REGULATION AND SYLLABUS FOR
B.Sc DEGREE COURSE IN NURSING (BASIC)
2010 – 2011

Modified up to 41st Standing Academic Board held on

The Tamilnadu Dr.M.G.R. Medical University
No.69, Anna Salai, Guindy, Chennai- 6000 032
REGULATION AND SYLLABUS FOR
B.Sc DEGREE COURSE IN NURSING (BASIC)
2010 – 2011

The University emblem symbolizes various systems of medicine ad Para medical systems. It also depicts the global character of preventive, promotive, and curative medicine. The motto “HEALTH FOR ALL” reflects all the objectives of this medical university.

The Tamil Nadu Dr.MGR. Medical University
No.69, Anna salai, Guindy, chennai- 6000 032
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</tbody>
</table>
PHILOSOPHY

(Adapted from Indian Nursing Council)
INC believes that:

Health is a state of well-being that enables a person to lead a psychologically, socially and economically productive life. Health is a right of all the people. Individuals, families and communities have a responsibility towards maintaining their health.

Nursing contributes to the health services in a vital and significant way in the health care delivery system. It recognizes national health goals and is committed to participate in the implementation of National Health policies and programmes. It aims at identifying health needs of the people, planning and providing quality care in collaboration with other health professionals and community groups.

Scope of nursing practice encompasses provision of promotive, preventive, curative and rehabilitative aspects of care to people across their life span in wide variety of health care settings. Practice of Nursing is based upon application of basic concepts and principles derived from the physical, biological, behavioral sciences, medicine and nursing.

Nursing is based on values of caring, and aims to help individuals to attain independence in self-care. It necessitates development of compassion and understanding of human behavior among its practitioners to provide care with respect and dignity and protect the rights of individuals and groups.

Undergraduate nursing program is broad based education within an academic framework, specifically directed to the development of critical thinking skills, competencies & standards required for practice of professional nursing and midwifery as envisaged in National Health Policy 2002.

The teachers have the responsibility to be role models and create learning environment that enables students to acquire inquiry driven, self directed learning and foster an attitude of life long learning.

Undergraduate nursing education program prepares its graduates to become exemplary citizen by adhering to code of ethics and professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.
AIMS

The aim of the undergraduate nursing program is to:

- Prepare graduates to assume responsibilities as professional, competent nurses and midwives at basic level in providing promotive, preventive, curative and rehabilitative services.

- Prepare nurses who can make independent decisions in nursing situations, protect the rights of, and facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor and manager in a clinical / public health setting.

OBJECTIVES

On completion of the four year B.Sc. Nursing program the graduates will be able to:

- Apply knowledge from physical, biological and behavioral sciences, medicine, including alternative systems and nursing in providing nursing care to individuals, families and communities.
- Demonstrate understanding of life style and other factors, which affect health of individuals and groups.
- Provide nursing care based on steps of nursing process in collaboration with the individuals and group.
- Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
- Utilize the latest trends and technology in providing health care.
- Provide promotive, preventive and restorative health services in line with the national health policies and programs.
- Practice within the framework of code of ethics and professional conduct and acceptable standards of practice within the legal boundaries.
- Communicate effectively with individuals and groups and members of the health team in order to promote effective interpersonal relationships and teamwork.
- Demonstrate skills in teaching to individuals and groups in clinical/ community health settings.
- Participate effectively as members of the health team in health care delivery system.
- Demonstrate leadership and managerial skills in clinical / community health settings.
- Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.
- Demonstrate awareness, interest and contribute towards advancement of self and of the profession.
THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI -600 032.

REGULATIONS OF THE UNIVERSITY

In exercise of the powers conferred by Section 44 of the Tamil Nadu Dr. M.G.R. Medical University, Chennai Act 1987 (Tamil Nadu Act 37 of 1987) the Standing Academic Board of the Tamil Nadu Dr. M.G.R. Medical University, Chennai hereby makes the following regulations:-

SHORT TITLE AND COMMENCEMENT:-

These regulations shall be called THE REGULATIONS FOR THE B.Sc., DEGREE COURSE IN NURSING (BASIC) OF THE TAMIL NADU Dr. M.G. R. MEDICAL UNIVERSITY, CHENNAI”.

They shall come into force from the academic year 2010-2011.

The regulations framed are subject to modification from time to time by the Standing Academic Board.

1. ELIGIBILITY FOR ADMISSION

• Candidates belonging to all categories for admission to the B.Sc., Degree course in Nursing (Basic) should have passed the qualifying examinations (Academic Stream) after period of 12 years of study with the following subjects of Physics, Chemistry and Biology or Botany and Zoology.

• Every candidate before admission to the course shall submit to the Principal of the institution a certificate of medical fitness from an authorized medical officer that the candidate is physically fit to undergo the academic course.

• The minimum educational requirements shall be passing of Higher Secondary School Certificate Examination (12 years course)

(Or)

• Senior School Certificate Examination (10+2), pre-degree Examinations (10+2)

(Or)

• An equivalent with 12 years schooling from a recognized Board or University with Science (Physics, Chemistry, Biology) and English with minimum 40% aggregate marks (PCBE); for SC/ST candidates – the minimum percentage of marks is 35%.
2. **AGE LIMIT FOR ADMISSION:**

   A candidate should have completed the age of 17 years at the time of admission or would complete the said age on or before 31st December of the year of admission to the B.Sc. (Nursing) degree course.

3. **ELIGIBILITY CERTIFICATE:**

   The candidate who has passed any qualifying examinations other than the Higher Secondary Course Examination conducted by the Government of Tamil Nadu, before seeking admission to any one of the affiliated institutions shall obtain an Eligibility Certificate from the University by remitting the prescribed fees along with application form which shall be downloaded from the University website (www.tnmmu.ac.in)

4. **REGISTRATION:**

   A Candidate admitted in the B.Sc. Degree Course in Nursing (Basic) in any one of the affiliated institutions of this University shall register his / her name with this university by submitting the prescribed application form for registration duly filled, along with the prescribed fee and a declaration in the format to the Academic Officer of this University through the affiliated institution within 60 days from the cut-off date prescribed for the course for admission. The applications should have date of admission of the course.

5. **MIGRATION/TRANSFER OF CANDIDATE:**

   (a) A student studying in B.Sc. Nursing (Basic) Course can be allowed to migrate/transfer to another Nursing College under same or another University.

   (b) The University concerned can allow the migration/transfer within three months after passing the first year B.Sc. Nursing (Basic) degree course examination, as a rule.

   (c) The number of students migrating/transferring from one college to another college during one year will be kept to the minimum so that the training of the regular students of the college is not adversely affected. The number of students migrating/transferring to/from any college should not exceed the limit of 5% of its intake subject to a maximum of 5 students in any one of the Nursing Colleges in one year. If any student is migrated from one institution to another, it should be informed immediately to the University.
6. **DURATION OF THE COURSE:**

The duration of certified study for the B.Sc. Degree course in Nursing (Basic) shall extend over a period of four academic years including integrated practice (Internship 24 weeks).

7. **COMMENCEMENT OF THE COURSE:**

The course shall commence from 1st August of the academic year.

8. **MEDIUM OF INSTRUCTION:**

English shall be the Medium of instruction for all the subjects of study and for examinations of the Bachelor of Science Degree Course in Nursing (Basic).

9. **CURRICULUM:**

The Curriculum and the syllabus for the course shall be as prescribed in these regulations and are subject to modifications by the Standing Academic Board from time to time.

10. **RE-ADMISSION AFTER BREAK OF STUDY:**

The regulations for re-admission are as per the University Common Regulation for Re-admission after break of study for all courses.

11. **WORKING DAYS IN THE ACADEMIC YEAR:**

Each academic year shall consist of not less than 270 working days.

12. **ATTENDANCE REQUIRED FOR ADMISSION TO EXAMINATION:**

(a) No candidate shall be permitted to appear in any one of the parts of B.Sc. in Nursing Degree course (Basic) Examinations unless he/she has attended the course in the subject for the prescribed period in an affiliated institution recognized by this University and produce the necessary certificate of study attendance, satisfactory conduct and progress from the Head of the institution.

(b) A candidate is required to put in a minimum of 90% of attendance in both theory and practical separately in each subject before admission to the examinations.
(c) The classes for Under Graduate students will commence from 1st August of every year and the University examination will commence from 1st August of the subsequent year. Therefore, the attendance will be calculated for the Under Graduate students from 1st August of the same year to 31st July of the next year including examination period.

(d) If the candidate is lacking attendance in any one of the subject(s), he/she will be detained for the subject(s) in which the candidate lacks attendance but will be permitted to appear for the rest of the subjects in which the candidate is having minimum required percentage of attendance.

(e) A candidate must have 100% attendance in each of the practical areas before award of Degree.

13. CONDONATION OF LACK OF ATTENDANCE:

There shall be No condonation of lack of attendance. (There shall be no condonation of any leave for any reason including Pregnancy, Child Birth, Medical conditions of any nature).

14. VACATION:

The Heads of Institutions shall declare 3 (three) weeks of vacation in an academic year to the students. The period(s) of vacation can be decided by the Head of the Institution.

15. INTERNAL ASSESSMENT MARKS:

The Internal Assessment should consist of the following points for evaluation:

1. Theory
2. Practical & oral
WEIGHTAGE OF MARKS

THEORY 50 MARKS  (common to all subjects)

- Term test 30 marks
- Assignment 20 marks

PRACTICAL 50 MARKS  (common to all practical)

- Practical Examination 25 marks
- Clinical Evaluation 10 marks
- Case study/case book 5 marks
- Practical record 5 marks
- Observational/field visit 5 marks

100 Marks each for English and Introduction to computer science
which are internal subjects to be conducted at the institution level and the marks to be sent to the University.

- Regular periodic assessment shall be conducted throughout the course. A minimum of three written examinations shall be conducted in each subject during a year. The written examination preceding the University examination may be similar to the pattern of University examination. The average marks of the three performances shall be taken into consideration for the award of internal assessment marks.

- A minimum of one practical examination shall be conducted in each subject (wherever practical have been included in the curriculum) and grades of ongoing clinical evaluation to be considered for the award of internal assessment marks.

- A failed candidate in any subject should be provided an opportunity to improve her/his internal assessment marks by conducting a minimum of two examinations in theory and practical separately and the average may be considered for improvement.

- If a failed candidate does not appear for any “Improvement Mark Examinations” in the failed subject(s) the internal marks awarded for the previous examination shall be carried over for his/her subsequent appearance(s).
The uniform dates for submission of Internal Assessment Marks are as follows:

At the end of October, January, April & and the aggregate of Final Internal Assessment Marks on or before 10th July.

The aggregate of Final Internal Assessment Marks shall be submitted on or before 10th July/10th January as per scheme of examination of the University.

A minimum of 50% of marks is mandatory in theory and practical separately in each subject/practical for permitting the candidates to University Examinations.

16. CUT-OFF DATES FOR ADMISSION TO EXAMINATIONS:

(i) 30th September of the academic year concerned.

(ii) The candidates admitted up to 30th September of the academic year shall be registered to take up their First year examinations from 1st August of the ensuing Academic year.

(iii) All kinds of admission shall be completed on or before 30th September of the academic year. There shall not be any admission after 30th September even if seats are vacant.

17. SUBMISSION OF PRACTICAL RECORD BOOKS:

The concerned Head of the Department shall evaluate the Practical Record (Internal Evaluation) and the Practical Record shall be submitted to the Principal 15 days prior to the commencement of the theory examination and to be presented to the external university practical examiner.

At the time of Practical Examination, each candidate shall submit to the Examiners his / her Practical Record Book duly certified by the Head of the Department as a bonafide record of the work done by the candidate.
### 18. COURSE OF INSTRUCTION:

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<tr>
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<th>Theory (In hrs.) (Class and Lab)</th>
<th>Practical (In hrs.) (Clinical)</th>
<th>In Hours</th>
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<tbody>
<tr>
<td>1. English</td>
<td>60</td>
<td></td>
<td></td>
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<tr>
<td>2. Anatomy</td>
<td>60</td>
<td></td>
<td></td>
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<tr>
<td>3. Physiology</td>
<td>60</td>
<td></td>
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<tr>
<td>4. Nutrition</td>
<td>40</td>
<td>20</td>
<td></td>
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<tr>
<td>5. Biochemistry</td>
<td>60</td>
<td></td>
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<td>6. Nursing Foundations</td>
<td>275 + 200</td>
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<tr>
<td>7. Psychology</td>
<td>80</td>
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<td>8. Microbiology</td>
<td>60</td>
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<td>9. Introduction to computers</td>
<td>55</td>
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<tr>
<td>10. Library Work /Self Study</td>
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<td>50</td>
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<td>11. Co-curricular activities</td>
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<td><strong>Total Hours</strong></td>
<td>950</td>
<td>610</td>
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<tr>
<td><strong>Total Hours = 1660 hrs.</strong></td>
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<tr>
<th>Second Year</th>
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<th>Practical (In hrs.) (Clinical)</th>
<th>In Hours</th>
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<tbody>
<tr>
<td>1. Sociology</td>
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<td>2. Pharmacology</td>
<td>50</td>
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</tr>
<tr>
<td>3. Pathology</td>
<td>30</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>4. Genetics</td>
<td>20</td>
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<tr>
<td>5. Medical-Surgical Nursing (Adult including Geriatrics)-I</td>
<td>210</td>
<td>800</td>
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<td>6. Community Health Nursing-I</td>
<td>100</td>
<td>160</td>
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<td>7. Communication and Educational Technology</td>
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<td>8. Library Work / Self Study</td>
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<td>9. Co-curricular activities</td>
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<td><strong>Total Hours</strong></td>
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### Third Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>Theory (In hrs.) (Class and Lab)</th>
<th>Practical In hrs) (Clinical)</th>
<th>In Hours</th>
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<td>1. Medical Surgical Nursing (Adult including Geriatrics)- II</td>
<td>120</td>
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<tr>
<td>2. Child Health Nursing</td>
<td>100</td>
<td>300</td>
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<td>3. Mental Health Nursing</td>
<td>100</td>
<td>300</td>
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<tr>
<td>4. Midwifery and Obstetrical Nursing</td>
<td>80</td>
<td>260</td>
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<td>5. Library Work / Self Study</td>
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<td>50</td>
</tr>
<tr>
<td>6. Co-curricular activities</td>
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<td>50</td>
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<tr>
<td><strong>Total Hours</strong></td>
<td><strong>400</strong></td>
<td><strong>1160</strong></td>
<td><strong>100</strong></td>
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<tr>
<td><strong>Total Hours = 1660 hrs</strong></td>
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</table>

### Fourth Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>Theory (In hrs.) (Class and Lab)</th>
<th>Practical (In hrs) (Clinical)</th>
<th>In Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Midwifery and Obstetrical Nursing</td>
<td>50</td>
<td>170</td>
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</tr>
<tr>
<td>2. Community Health Nursing – II</td>
<td>90</td>
<td>140</td>
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</tr>
<tr>
<td>3. Nursing Research &amp; Statistics</td>
<td>50</td>
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<tr>
<td>4. Management of Nursing Services and Education</td>
<td>60</td>
<td>30</td>
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<td><strong>Total Hours</strong></td>
<td><strong>250</strong></td>
<td><strong>340</strong></td>
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<td><strong>Total Hours = 590 hrs</strong></td>
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*project work to be carried out during internship*
### Integrated Nursing Training (INTERNSHIP)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Practical (In hrs)</th>
<th>In weeks</th>
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</thead>
<tbody>
<tr>
<td>1. Midwifery and Obstetrical Nursing</td>
<td>240</td>
<td>5</td>
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<td>2. Community Health Nursing – II</td>
<td>195</td>
<td>4</td>
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<tr>
<td>3. Medical Surgical Nursing (Adult and Geriatric)</td>
<td>430</td>
<td>9</td>
</tr>
<tr>
<td>4. Child Health Nursing</td>
<td>145</td>
<td>3</td>
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<td>5. Mental Health Nursing</td>
<td>95</td>
<td>2</td>
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<td>6. Research Project*</td>
<td>45</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>1150</strong></td>
<td><strong>24</strong></td>
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</tbody>
</table>

*Total Hours = 1740

*project work to be carried out during internship*

**Note:**

- Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included.
- Internship should be carried out as 8 hours per day @ 48 hours per week.
- Students during internship will be supervised by nursing teachers.
- Students will be eligible to appear in the fourth year final examination only after completion of Internship (24 weeks).
19. SCHEME OF EXAMINATION

First Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>Assessment</th>
<th>Hours</th>
<th>Internal</th>
<th>University</th>
<th>Total</th>
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<tbody>
<tr>
<td>Theory</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1. Anatomy &amp; Physiology*</td>
<td></td>
<td>3</td>
<td>50</td>
<td>100</td>
<td>150</td>
</tr>
<tr>
<td>2. Nutrition &amp; Biochemistry*</td>
<td></td>
<td>3</td>
<td>50</td>
<td>100</td>
<td>150</td>
</tr>
<tr>
<td>3. Nursing Foundations</td>
<td></td>
<td>3</td>
<td>50</td>
<td>100</td>
<td>150</td>
</tr>
<tr>
<td>4. Psychology</td>
<td></td>
<td>3</td>
<td>50</td>
<td>100</td>
<td>150</td>
</tr>
<tr>
<td>5. Microbiology</td>
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<td></td>
<td>50</td>
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</tbody>
</table>

* The student should get pass marks in each subject (Section A and B)

** The respective Colleges will conduct the examinations for Introduction to Computers and English with a minimum pass of 50% and the marks will be sent to the University.
## SECOND YEAR

<table>
<thead>
<tr>
<th>Subject</th>
<th>Assessment</th>
<th>Hours</th>
<th>Internal</th>
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<tr>
<td>3. Pharmacology * Pathology &amp; Genetics*</td>
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<tr>
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<td>5. Communication and Educational Technology</td>
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<td><strong>Practical and Viva voce</strong></td>
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* The student should get pass marks in each subject (Section A and B)

## THIRD YEAR

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<tr>
<th>Subject</th>
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<td>3. Mental Health Nursing</td>
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<tr>
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<tr>
<td>2. Child Health Nursing</td>
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<tr>
<td>3. Mental Health Nursing</td>
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FOURTH YEAR

<table>
<thead>
<tr>
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<td></td>
<td>Hours</td>
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<tr>
<td><strong>Theory</strong></td>
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<tr>
<td>1. Midwifery and Obstetrical Nursing</td>
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<tr>
<td>3. Nursing Research &amp; Statistics</td>
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<td>2. Community Health Nursing</td>
<td></td>
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<td>100</td>
<td>150</td>
</tr>
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</table>

20. COMMENCEMENT OF THE EXAMINATIONS:

1st August / 1st February. If the date of commencement of examination falls on Saturdays / Sundays or declared Public Holidays, the examination shall begin on the next working day.

21. DISTRIBUTION OF TYPE OF QUESTION PATTERN FOR 100 MARKS (APPLICABLE FOR ALL THE SINGLE SUBJECTS):

- Essay questions 2 x 20 = 40 marks
- Short Notes 8 x 5 = 40 marks
- Short Answer 10 x 2 = 20 marks

----------

100 marks
----------
DISTRIBUTION OF TYPE OF QUESTION PATTERN FOR 50 MARKS
(APPLICABLE FOR ALL THE COMBINED SUBJECTS)

**FIRST YEAR**

**Anatomy and Physiology**

<table>
<thead>
<tr>
<th>Section</th>
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<tbody>
<tr>
<td>A – Anatomy</td>
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<tr>
<td>B – Physiology</td>
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**Anatomy**

<table>
<thead>
<tr>
<th>Type</th>
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<tbody>
<tr>
<td>Essay questions</td>
<td>$1 \times 20 = 20$ marks</td>
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<tr>
<td>Short Notes</td>
<td>$4 \times 5 = 20$ marks</td>
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<tr>
<td>Short Answer</td>
<td>$5 \times 2 = 10$ marks</td>
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</table>

50 marks

**Physiology**

<table>
<thead>
<tr>
<th>Type</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essay questions</td>
<td>$1 \times 20 = 20$ marks</td>
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<tr>
<td>Short Notes</td>
<td>$4 \times 5 = 20$ marks</td>
</tr>
<tr>
<td>Short Answer</td>
<td>$5 \times 2 = 10$ marks</td>
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50 marks

**Nutrition and Biochemistry**

<table>
<thead>
<tr>
<th>Section</th>
<th>Marks</th>
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<tbody>
<tr>
<td>A – Nutrition</td>
<td>50</td>
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<tr>
<td>B – Biochemistry</td>
<td>50</td>
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</tbody>
</table>

**Nutrition**

<table>
<thead>
<tr>
<th>Type</th>
<th>Marks</th>
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<tbody>
<tr>
<td>Essay questions</td>
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<tr>
<td>Short Notes</td>
<td>$4 \times 5 = 20$ marks</td>
</tr>
<tr>
<td>Short Answer</td>
<td>$5 \times 2 = 10$ marks</td>
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</table>

50 marks
**Biochemistry**

Essay questions  1 x 20 = 20marks
Short Notes     4   x 5 = 20 marks
Short Answer    5   x 2 = 10 marks

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50 marks

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**SECOND YEAR - Distribution of Marks**

**Pharmacology, Pathology & Genetics**

Section – A – Pharmacology - 50 marks
Section – B – Pathology & Genetics - 50 marks

**Pharmacology**

Essay questions  1 x 20 = 20marks
Short Notes     4   x 5 = 20 marks
Short Answer    5   x 2 = 10 marks

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50 marks

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**Pathology**

Essay questions  1 x 20 = 20 marks
Short Answer    5 x 2 = 10 marks

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30 marks

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**Genetics**

Short Answer    5 x 2 = 10 marks
Short Note      2 x 5 = 10 marks

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20 marks

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FOURTH YEAR

(1) *Nursing Research and Statistics (Single Combined Paper)*

Distribution and type of question pattern for 100 marks

**NURSING RESEARCH**

- Essay questions: 2 x 20 = 40 marks
- Short Notes: 4 x 5 = 20 marks
- Short Answer: 5 x 2 = 10 marks

**STATISTICS**

- Short Notes: 4 x 5 = 20 marks
- Short Answer: 5 x 2 = 10 marks

22. **MARKS QUALIFYING FOR PASS:**

- 50% of marks in the University Theory Examinations.
- 50% of marks in the University Practical Examinations.
- 50% of marks in the subject where internal evaluation alone is conducted at the institution level.
- 50% of marks in aggregate in Theory, Practical and internal assessment marks taken together.
- 50% of marks in each Section A & B separately where two subjects are combined in single paper. If a candidate who has failed to secure the minimum pass mark of 50% ether in Section A or B, the candidate has to write again both the Sections irrespective the fact whether the candidate has passed in one Section.
23. **CARRY OVER OF FAILED SUBJECTS:**

- A candidate has to **pass in theory and practical examinations separately** in each of the paper.
- If a candidate fails in either theory or practical examinations, he/she has to **reappear for both (theory and practical).**
- Only **five attempts are allowed in each subject including 1st attempt.**
- A candidate **failing in more than 3 subjects will not be promoted** to next year.
- Candidate are **permitted to carry over any THREE failed subjects to the 2nd and 3rd year.**
- The candidates who has **failed MORE THAN THREE subjects shall not be permitted to undergo study and training of the next year.**
- The failed candidates in **more than THREE subjects can appear for the ensuing examinations in subsequent February/August.**
- The candidate **shall not be permitted into FINAL year unless she/he has passed all the subjects of the I,II &III year. No arrear can be carried over to FINAL year.**

24. **PRACTICAL EXAMINATION**

   Maximum number of candidates for practical examination should not exceed 20 per day.

   The examiner should be a Lecturer or above in a college of Nursing with M.Sc. (N) in the concerned subject and minimum of 5 years of teaching experience.

   Faculty with M.Sc.(N) qualification and required teaching experience in any Speciality shall be considered for conducting Practical Examination in the subject "Nursing Foundation".

25. **EXAMINERS:**

   One **internal** and one **external** examiner should jointly conduct practical/oral examination for each student.
26. **REVALUATION / RETOTALLING OF ANSWER PAPERS:**

Revaluation of answer papers is not permitted. Only re-totaling of theory answer papers is allowed in the failed subjects and should be applied through the institution.

27. **AWARD OF MEDALS AND PRIZES:**

The University shall award at its Convocation Medals and Prizes to outstanding candidates as and when instituted by the donors as per the prescribed terms and condition for the award of the same.

28. **AUTHORITY TO ISSUE TRANSCRIPT OF MARKS:**

The University shall be the Authority for issuing Transcript after remitting the prescribed fee.
ANNEXURE-I
DECLARARTION

I ----------------------------------------------------------Son of / Daughter of -------------------

----------------------Residing at -----------------------------

and admitted to in I year of -----------------------------

(Name of the Course ) at -----------------(Name of the College) do hereby solemnly affirm and sincerely state as follows.

I declare that I shall abide by the rules and regulations prescribed by the Tamil Nadu Dr. M.G.R Medical University, Chennai for the (course) including regulations for re-admission after the break of study.

Date: signature of candidate

/counter Signed/

(Official date seal) Dean/Principal/ Director
ENGLISH

Placement: First year  
Theory - 60 Hours

Course description:

The course is designed to enable students to enhance ability to comprehend spoken and written English (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experience.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 10         | Speak & write  
Grammatically correct English | Review of Grammar  
Remedial study of grammar  
Building Vocabulary  
Phonetics  
Public Speaking | Demonstrate use of dictionary grammar  
Class-room Conversation  
Exercise on use of Grammar  
Practice in Public speaking | Objective type  
Fill in the blanks  
Para Phrasing |
| II   | 30         | Develop ability to read, understand and express meaningfully, the prescribed text. | Read and comprehend prescribed course books | Exercise on:  
Reading  
Summarizing  
Comprehension | Short Answers  
Essay type. |
| III  | 10         | Develop writing skills | Various forms of composition  
Letter writing  
Note takings  
Precise writings  
Nurses Notes  
Anecdotal records  
Diary writing  
Reports on health problem etc | Exercise on writing:  
Letter writing  
Nurses Notes  
Précis  
Diary  
Anecdotal  
Health problem  
Resume /CV  
Essay Writing - Discussion on written reports / documents | Assessment of the skills based on the checklist. |
| IV   | 6          | Develop skill in spoken English | Spoken English  
Oral report  
Discussion  
Debate  
Telephonic Conversion | Exercise on:  
Debating  
Participating in Seminar, Panel, Symposium  
Telephonic Conversion  
Conversation in different situations, practice in public speaking | Assessment of the skills based on the checklist. |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| V    | 4         | Developing skills in listening comprehension | Listening Comprehension  
Media, audio, video, speeches etc. | Exercise on:  
Listening to audio, video tapes and identify the key points | Assessment of the skills based on the checklist. |

**ENGLISH 100 MARKS**

**Internal Examination :** 100

**REFERENCES**


ANATOMY

Placement: First year

Course description:

The course is designed to assist students to acquire the knowledge of the normal structure of human body & functions. To ensure the students to understand the alternation in anatomical structure and function in disease and practice of Nursing.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5          | Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands | Introduction to Anatomical terms organization of the human body  
➢ Human Cell structure  
➢ Tissues -Definition, Types, characteristics, classification, location, functions and formation  
➢ Membranes and glands - classification and structure Alterations in disease Applications and implications nursing | ➢ Lecture discussion  
➢ Explain using charts, microscopic slides, Skeleton & torso  
➢ Demonstrate cells, types of tissues membranes and glands  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
| II   | 6          | Describe the structure & function of bones and joints | The Skeletal System  
➢ Bones- types, structure, Axial & Appendicular Skeleton,  
➢ Bone formation and growth  
➢ Description of bones  
➢ Joints - classification and structure  
➢ Alterations in disease Applications and implications in nursing | ➢ Lecture discussion  
➢ Explain using charts, skeleton, loose bones, and joints  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
| III  | 7          | Describe the structure and function of muscles | The Muscular System  
➢ Types and structure of muscles  
➢ Muscle groups Alterations in disease Applications and implications in nursing | ➢ Lecture discussion  
➢ Explain using chart, models and films  
➢ Demonstrate muscular movements  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
| IV   | 6          | Describe the structure & function of nervous system | The Nervous System  
➢ Structure of neurologia & neurons  
➢ Somatic Nervous system  
- Structure of brain, spinal cord, cranial nerves, | ➢ Lecture discussion  
➢ Explain using models, charts, slides, specimens  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| V    | 6          | Explain the structure & functions of sensory organs | **The Sensory Organs**  
- Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus)  
- Alterations in disease  
- Applications and implications in nursing | ➢ Lecture discussion  
➢ Explain using models, charts, slides, specimens  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
| VI   | 7          | Describe the structure & function of the circulatory and lymphatic system | **Circulatory and lymphatic system**  
- The Circulatory System  
  - Blood — Microscopic structure  
  - Structure of Heart  
  - Structure of blood vessels — Arterial & Venous System, Circulation: systemic, pulmonary, coronary  
  - Lymphatic system  
  - Lymphatic vessels and lymph  
  - Lymphatic tissues  
  - Thymus gland  
  - Lymph nodes  
  - Spleen  
  - Lymphatic nodules  
- Alterations in disease  
- Applications and implications in nursing | ➢ Lecture discussion  
➢ Explain using models, charts, slides, specimens  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
| VII  | 5          | ➢ Describe the structure & functions of the respiratory system | **The Respiratory System**  
- Structure of the organs of respiration  
- Muscles of respiration: Intercostal and Diaphragm  
- Alterations in disease  
- Applications and implications in nursing | ➢ Lecture discussion  
➢ Explain using models, charts, slides, specimens  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
| VIII | 6          | Describe the structure & functions of the digestive system | **The Digestive System**  
- Structure of Alimentary tract and accessory organs of digestion  
- Alterations in disease  
- Applications and implications in | ➢ Lecture discussion  
➢ Explain using models, charts, slides, specimens  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| IX   | 4          | Describe the structure & functions of excretory system | **The Excretory System** *(Urinary)*  
- Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra, structure of skin  
- Alterations in disease Applications and implications in nursing | ➢ Lecture discussion  
➢ Explain using models, charts, slides, specimens  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
| X    | 4          | Describe the structure & functions of endocrine system | **The Endocrine System**  
- Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands  
- Alterations in disease Applications and implications in nursing | ➢ Lecture discussion  
➢ Explain using models, charts, slides, specimens  
➢ Record book | ➢ Short answer questions  
➢ Objective type |
| XI   | 4          | Describe the structure and functions of reproductive system | **The Reproductive system including breast**  
- Structure of female reproductive organs  
- Structure of male reproductive organs.  
- Structure of breast Alterations in disease Applications and implications in nursing | ➢ Lecture discussion  
➢ Explain using models, charts, slides, specimens  
➢ Record book | ➢ Short answer questions  
➢ Objective type |

**Prescribed Internal Assessment Weightage:**

<table>
<thead>
<tr>
<th>Internal Assessment</th>
<th>Weightage</th>
</tr>
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<tbody>
<tr>
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<td>(ii) Assignment</td>
<td>5</td>
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<tr>
<td>(iii) Record Work</td>
<td>5</td>
</tr>
</tbody>
</table>

**Anatomy & Physiology**  
**Recommended Books:**

Cohen – Memmler’s Structure & Function of Human Body, 2009, LWW.  
Reference Books

1. Tortora – Anatomy & Physiology, 2007, Wiley
3. Standring - Gray’s Anatomy, 2006, Elsevier
4. Snell – Clinical Anatomy by Regions, WK.
**PHYSIOLOGY**

Placement: First year        Theory - 60 Hours

Course Description:

The Course is designed to assist the students to acquire knowledge of the normal physiology of various human body systems and understand the alterations in physiology in diseases and practice of nursing.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>4</td>
<td>Describe the physiology of cell, tissues, membranes and glands</td>
<td><strong>Cell Physiology</strong>&lt;br&gt;➢ Tissue-formation, repair&lt;br&gt;➢ Membranes &amp; glands — functions Alterations in disease Applications and implications in nursing</td>
<td>Lecture discussion</td>
<td>Short answer questions, Objective type</td>
</tr>
<tr>
<td>II</td>
<td>4</td>
<td>Describe the bone formation and growth and movements of skeleton system</td>
<td><strong>Skeletal System</strong>&lt;br&gt;➢ Bone formation &amp; growth&lt;br&gt;➢ Bones - Functions and movements of bones of axial and appendicular skeleton, bone healing&lt;br&gt;➢ Joints and joint movement Alterations in disease Applications and implications in nursing</td>
<td>Lecture discussion, Explain using Charts, models and films, Demonstration of joint movements</td>
<td>Short answer questions, Objective type</td>
</tr>
<tr>
<td>III</td>
<td>4</td>
<td>Describe the muscle movements and tone and demonstrate muscle contraction and tone</td>
<td><strong>Muscular System</strong>&lt;br&gt;➢ Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture&lt;br&gt;➢ Alterations in disease Applications and implications in nursing</td>
<td>Lecture discussion, Explain using Charts, models slides, specimen and films, Demonstration of muscle movements, tone and contraction</td>
<td>Short answer questions, Objective type</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
</tr>
<tr>
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</tr>
</tbody>
</table>
| IV   | 7          | ✓ Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves  
 ✓ Demonstrate reflex action and stimulus | **Nervous System**  
 ✓ Functions of Neurolgia & neurons  
 ✓ Stimulus & nerve-impulse-definitions and mechanism  
 ✓ Functions of brain, spinal cord, cranial and spinal nerves  
 ✓ Cerebrospinal fluid-Composition, circulation and function  
 ✓ Reflex arc, Reflex action and reflexes  
 Autonomic functions—Pain: somatic, visceral, and referred  
 Autonomic learning and biofeedback  
 Alternations in disease  
 Applications and implications in nursing. | ✓ Lecture discussion  
 ✓ Explain using Charts, models and films  
 ✓ Demonstrate nerve stimulus, reflex action, reflexes | ✓ Short answer questions  
 ✓ Objective type |
| V    | 8          | Describe the physiology blood and functions of Heart  
 Demonstrate blood cell count, coagulation, grouping, Hb: BP and Pulse monitoring | **Circulatory System**  
 ✓ Blood formation, composition, blood groups, blood coagulation  
 ✓ Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation  
 ✓ Functions of Heart, Conduction, Cardiac cycle, circulation—Principles, Control, factors influencing BP and Pulse  
 ✓ Alternations in disease  
 Applications and implications in nursing. | ✓ Lecture discussion  
 ✓ Explain using Charts, films  
 ✓ Demonstration of Blood cell count, coagulation, grouping, Hemoglobin estimation, Heart conduction system.  
 ✓ Measurement of pulse, BP | ✓ Short answer questions  
 ✓ Objective type |
| VI   | 6          | ✓ Describe the physiology and mechanisms of respiration  
 ✓ Demonstrates spirometry | **The Respiratory System**  
 ✓ Functions of respiratory organs  
 ✓ Physiology of respiration  
 ✓ Pulmonary ventilation, Volume  
 ✓ Mechanics of respiration  
 ✓ Gaseous exchange in lungs  
 ✓ Carriage of oxygen & carbon-dioxide Exchange of | ✓ Lecture discussion  
 ✓ Explain using Charts, films  
 ✓ Demonstration of spirometry | ✓ Short answer questions  
 ✓ Objective type |
<table>
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<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| VII  | 6          | • Describes the physiology of digestive system • Demonstrates BMR | Gases in tissues  
  ➢ Regulation of respiration.  
  ➢ Alterations in disease Applications and implications in nursing. | ➢ Lecture discussion  
  ➢ Explain using Charts, Films | ➢ Short answer questions  
  ➢ Objective type |
| VIII | 5          | Describe the physiology of Excretory System | The Digestive System  
  • Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas  
  • Metabolism of carbohydrates, protein and fat Applications and implications in nursing. | ➢ Lecture discussion  
  ➢ Explain using Charts, Films | ➢ Short answer questions  
  ➢ Objective type |
| IX   | 4          | • Describe the physiology of sensory organs | The Excretory System  
  • Functions of kidneys, ureters, urinary bladder & urethra  
  • Composition of urine  
  • Mechanism of urine formation  
  • Functions of skin  
  • Regulation of body temperature  
  • Fluid and electrolyte balance. Alterations in disease Applications and implications in nursing. | ➢ Lecture discussion  
  ➢ Explain using Charts, films | ➢ Short answer questions  
  ➢ Objective type |
| X    | 5          | Describe the physiology of endocrine glands | The Sensory Organ  
  • Functions of skin, eye, ear, nose, tongue,  
  • Alterations in disease Applications and implications in nursing | ➢ Lecture discussion  
  ➢ Explain using Charts, films | ➢ Short answer questions  
  ➢ Objective type |
| XI   | 5          | Describe the physiology of male and female reproductive | The Endocrine System  
  • Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Supra renal, Placenta and ovaries & Testes  
  Alterations in disease Applications and implications in nursing  
  Reproduction of cells — DNA, Mitosis, Meiosis, spermatogenesis, oogenesis. | ➢ Lecture discussion  
  ➢ Explain using Charts, films, Demonstration of BMR | ➢ Short answer questions  
  ➢ Objective type |
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<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
|      |            | system              | • Functions of female reproductive organs; Functions of breast, Female sexual cycle.  
• Introduction to embryology.  
• Functions of male reproductive organs, Male function in reproduction, Male fertility system, Alterations in disease Applications and implications in nursing. | models, specimens | models, specimens |
| XII  | 2          | Describe the physiology of Lymphatic and Immunological System | Lymphatic and Immunological System  
• Circulation of lymph  
• Immunity  
Formation of T-cells and cells  
Types of Immune response  
Antigens  
Cytokines  
Antibodies  
Applications and implications in nursing. | Lecture discussion  
Explain using Charts, films | Short answer questions  
Objective type |

**Prescribed Internal Assessment Weightage:**

**Internal Assessment**  :  **Term Test**  - 15  
**Assignment**  - 5  
**Record Work**  - 5

**Anatomy & Physiology**

**Recommended Books:**

3. Venkatesh – Basic Medical Physiology for Nursing, 2009, LWW

**Reference Books:**

Venkatesh – Basic Medical Physiology, 2009, LWW  
West – Best&Taylor Physiologic Basis of Disease, Waverly.
NUTRITION

Placement: First year

Course Description:

The Course is designed to assist the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life and its application for practice of nursing.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
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</thead>
<tbody>
<tr>
<td>I</td>
<td>4</td>
<td>➢ Describe the relationship between nutrition &amp; Health.</td>
<td>Introduction • Nutrition: - History - Concepts • Role of nutrition in maintaining health • Nutritional problems in India • National nutritional policy • Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, lifestyle and food habits etc • Role of food and its medicinal value • Classification of foods • Food standards • Elements of nutrition: macro and micro • Calorie, BMR</td>
<td>➢ Lecture Discussion ➢ Explaining using charts ➢ Panel discussion</td>
<td>➢ Short answer questions ➢ Objective type</td>
</tr>
<tr>
<td>II</td>
<td>2</td>
<td>➢ Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates</td>
<td>Carbohydrates • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions • Digestion, absorption and storage, metabolism of carbohydrates • Malnutrition: Deficiencies and Over</td>
<td>➢ Lecture Discussion ➢ Explaining using charts</td>
<td>➢ Short answer questions ➢ Objective type</td>
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<tr>
<td>Unit</td>
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<tr>
<td>III</td>
<td>2</td>
<td>▶ Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats</td>
<td>Fats • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions. • Digestion, absorption and storage, metabolism • Malnutrition: Deficiencies and Over consumption</td>
<td>▶ Lecture Discussion ▶ Explaining using charts</td>
<td>▶ Short answer questions ▶ Objective type</td>
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<tr>
<td>IV</td>
<td>2</td>
<td>▶ Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins</td>
<td>Proteins • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions. • Digestion, absorption, metabolism and storage • Malnutrition: Deficiencies and Over consumption</td>
<td>▶ Lecture Discussion ▶ Explaining using charts</td>
<td>▶ Short answer questions ▶ Objective type</td>
</tr>
<tr>
<td>V</td>
<td>3</td>
<td>▶ Describe the daily calorie requirement for different categories of people</td>
<td>Energy • Unit of Energy - Kcal • Energy requirements of different categories of people. • Measurements of energy. • Body Mass Index (BMI) and basic metabolism • Basal Metabolic Rate (BMR) - determination and factors affecting</td>
<td>▶ Lecture Discussion ▶ Explaining using charts ▶ Exercise ▶ Demonstration</td>
<td>▶ Short answer questions ▶ Objective type</td>
</tr>
<tr>
<td>VI</td>
<td>4</td>
<td>▶ Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins</td>
<td>Vitamins • Classification • Recommended daily allowances • Dietary sources. • Functions. • Absorption, synthesis, metabolism storage and excretion • Deficiencies</td>
<td>▶ Lecture Discussion ▶ Explaining using charts</td>
<td>▶ Short answer questions ▶ Objective type</td>
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<td>Unit</td>
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<td>Hypervitaminosis</td>
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</table>
| VII  | 4          | ▶ Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals | Minerals  
▶ Classification  
▶ Recommended daily allowances  
▶ Dietary sources.  
▶ Functions.  
▶ Absorption, synthesis, metabolism storage and excretion  
▶ Deficiencies  
▶ Over consumption and toxicity | ➢ Lecture Discussion  
➢ Explaining using charts | ➢ Short answer questions  
➢ Objective type |
| VIII | 3          | ▶ Describe the sources, functions and requirements of Water & electrolytes | Water, Metabolism, & Electrolytes  
• Water: Daily requirement, regulation distribution of body water,  
• Electrolytes: Types, sources, composition of body fluids  
• Maintenance of fluid & electrolyte balance  
• Over hydration, dehydration and water intoxication  
• Electrolyte imbalances | ➢ Lecture Discussion  
➢ Explaining using charts | ➢ Short answer questions  
➢ Objective type |
| IX   | 5          | 15                  |Cookery rules and preservation of nutrients  
• Principles, methods of cooking and serving  
Preservation of nutrients  
• Safe Food handling-toxicity  
• Storage of food  
• Food preservation, food additives and its principles  
• Prevention of food adulteration Act (PFA)  
• Food standards  
• Preparation of simple beverages and different types of food | ➢ Lecture Discussion  
➢ Demonstration  
➢ Practice session | ➢ Short answer questions  
➢ Objective type  
➢ Assessment of practice sessions |
| X    | 7          | 5                   | Describe and plan balanced diet for Balanced diet  
▶ Elements  
▶ Food groups  
▶ Recommended Daily | ➢ Lecture Discussion  
➢ Explaining using charts | ➢ Short answer questions  
➢ Objective type |
| XI | 4 | **Describe various national programmes related to nutrition**<br>**Describe The role of nurse in assessment of nutritional status and nutrition education**<br>**Role of nurse in nutritional programmes**<br>• National programmes related to nutrition<br>o Vitamin A deficiency programme<br>o National iodine deficiency disorders (IDD) programme<br>o Mid-day meal programme<br>o Integrated child development scheme (ICDS)<br>• National and International agencies working towards food/nutrition<br>o NIPCCD, CARE, FAO, NIN, CFTRI(Central food technology and research institute) etc<br>• Assessment of nutritional status<br>• Nutrition education and role of nurse | **Practice session**<br>**Meal planning** | **Lecture Discussion**<br>Explaining using charts<br>Slide /Film shows<br>Demonstration of Assessment of nutritional status | **Exercise on menu Planning**<br>**Short answer questions**<br>**Objective type** |

**Prescribed Internal Assessment Weightage:**

**NUTRITION**

| Internal Assessment : Term Test | - 15 |
| Assignment | - 5 |
| Dietary practical | - 5 |
**BIOCHEMISTRY**

Placement: First year  
Theory - 60 Hours

Course Descriptions:

The Course is designed to assist the students to acquire knowledge of the normal biochemical composition and functioning of human body and alterations in understand the biochemistry in diseases for practice of nursing.

<table>
<thead>
<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 6          | - Describe the structure  
Composition and functions of cell  
- Differentiate between Prokaryote and Eukaryote cell  
- Identify techniques of Microscopy  
**Introduction**  
- Definition and significance in nursing  
- Review of structure, Composition and functions of cell  
- Prokaryote and Eukaryote cell organization  
- Microscopy | Lecture discussion using charts, slides  
Demonstrate use of microscope | ➢ Short answer questions  
➢ Objective type |
| II   | 6          | ➢ Describe the Structure and functions of Cell membrane | **Structure and functions of Cell membrane**  
- Fluid mosaic model tight junction, Cytoskeleton  
- Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump  
- Acid base balance-maintenance & diagnostic tests  
- PH buffers | Lecture discussion | ➢ Short answer questions  
➢ Objective type |
| III  | 12         | ➢ Explain the metabolism of carbohydrates | **Composition and metabolism of Carbohydrates**  
- Types, structure, composition and uses  
  - Monosaccharides,  
  - Disaccharides, Polysaccharides, Oligosaccharides  
  - Glycolysis  
  - Gluconeogenesis: Cori’s | Lecture discussion  
Demonstration of blood glucose monitoring | Short answer questions  
Objective type |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<tbody>
<tr>
<td>I</td>
<td></td>
<td>Unit Time cycle, Tricarboxylic acid (TCA) cycle - Glycogenolysis - Pentose phosphate pathways (Hexose mono phosphate) Regulation of blood glucose level Investigations and their Interpretations</td>
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<td>IV</td>
<td>10</td>
<td>Explain the metabolism of Lipids</td>
<td><strong>Composition and metabolism of Lipids</strong> - Types, structure, composition and uses of fatty acids - Nomenclature, Roles and Prostaglandins - Metabolism of fatty acid - Breakdown - Synthesis - Metabolism of triacylglycerols - Cholesterol metabolism - Biosynthesis and its Regulation - Bile salts and bilirubin - Vitamin D - Steroid hormones - Lipoproteins and their functions: - VLDLs, IDLs, LDLs and HDLs - Transport of lipids - Atherosclerosis, Investigations and their interpretations</td>
<td>Lecture Discussion using charts Demonstration of laboratory tests</td>
<td>Short answer questions Objective type</td>
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<tr>
<td>V</td>
<td>11</td>
<td>Explain the metabolism of Amino acids and Proteins</td>
<td><strong>Composition and metabolism of Amino acids and Proteins</strong> - Types, structure, composition and uses of Amino acids and Proteins - Metabolism of Amino acids and Proteins</td>
<td>Lecture Discussion using charts Demonstration of laboratory tests</td>
<td>Short answer questions Objective type</td>
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<td>Protein synthesis, targeting and glycosylation - Chromatography - Electrophoresis</td>
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<td>Unit</td>
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<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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<td>- Sequencing</td>
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<td>Lecture</td>
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<td>- Metabolism of Nitrogen</td>
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<td>Discussion</td>
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<td>- Fixation and Assimilation</td>
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<td>Demonstrate laboratory tests</td>
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<td>- Urea Cycle</td>
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<td>- Hemes and chlorophylls</td>
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<td>- Enzymes and co-enzymes</td>
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<td>- Classification</td>
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<td>- Properties</td>
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<td>- Kinetics and inhibition</td>
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<td>Investigations and their interpretations</td>
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<td>VI</td>
<td>7</td>
<td>Describe types, composition and utilization of Vitamins &amp; minerals</td>
<td>Composition of Vitamins and minerals</td>
<td>Lecture</td>
<td>Short answer questions</td>
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<td>• Vitamins and minerals:</td>
<td>Discussion</td>
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<td>- Structure</td>
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<td>- Classification</td>
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<td>- Storage &amp; transportation</td>
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<td>- Normal concentration</td>
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<td>Investigations and their interpretations</td>
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<td>VII</td>
<td>8</td>
<td>Describe Immuno-chemistry</td>
<td>Immuno chemistry</td>
<td>Lecture</td>
<td>Short Answer questions</td>
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<td>• Immune response,</td>
<td>Discussion</td>
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<td>• Structure and classification of immunoglobins</td>
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<td>• Mechanism of antibody production</td>
<td>laboratory tests</td>
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<td>• Antigens: HLA typing.</td>
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<td>• Free radical and Antioxidants.</td>
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<td>• Specialised Protein:</td>
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<td>Collagen, Elastin, Keratin, Myosin, Lens Protein.</td>
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<td>• Electrophoretic and Quantitative determination of immunoglobins</td>
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<td>— ELISA etc. Investigations and their interpretations</td>
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</table>

**Prescribed Internal Assessment Weightage:**

- **Internal Assessment**: Term Test - 15
- **Laboratory**: - 5
- **Assignment**: - 5
NURSING FOUNDATIONS

Placement: First year

Time: Theory - 275 hours
Practical - 750 hours
(200 lab and 550 clinical)

Course Description:

This course is designed to help the students to develop an understanding of the philosophy, objectives, theories and process of nursing in various Supervised Clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in Supervised Clinical settings.

<table>
<thead>
<tr>
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<th>Assessment method</th>
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</table>
| I    | 10         | Describe the concept of health, illness and health care agencies | **Introduction**  
- Concept of Health: Health – Illness continuum  
- Factors influencing health  
- Causes and risk factors for developing illness  
- Body defences: Immunity and immunization  
- Illness and illness Behaviour:  
- Impact of illness on patient and family /  
- Health Care Services: Health Promotion and prevention and Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care  
- Health care teams  
- Types of health care agencies:  
- Hospitals: Types, Organization Functions  
- Health Promotion and Levels of Disease Prevention  
- Primary health care and its delivery: Role of nurse | Lecture discussion  
Visit to health care agencies | Essay type  
Short answer questions  
Objective type |
| II   | 16         | Explain concept and scope of nursing  
Describe values, code of ethics and professional conduct for nurses in India | **Nursing as a profession**  
- Definition and Characteristics of a profession  
- Nursing:  
- Definition, Concepts, philosophy, objectives  
- Characteristics, nature and scope of nursing practice  
- Functions of nurse  
- Qualities of a nurse  
- Categories of nursing personnel | Lecture discussion  
Case discussion  
Role plays | Essay type  
Short answers  
Objective type |
<table>
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</thead>
</table>
|      | 4          | ➢ Explain the admission and discharge procedure ➢ Performs admission and discharge procedure | **Hospital admission and discharge**  
- Admission to the hospital  
- Unit and its preparation  
- Admission bed  
- Admission procedure  
- Special considerations  
- Medico-legal issues  
- Roles and Responsibilities of the nurse  
- Discharge from the hospital  
- Types: Planned discharge, LAMA and abscond, Referrals and transfers  
- Discharge Planning  
- Discharge procedure  
- Special considerations  
- Medico--legal issues  
- Roles and Responsibilities of the nurse  
- Care of the unit after discharge | Lecture  
Discussion  
Demonstration  
Lab Practice  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assess skills with check list  
Clinical practical examination |
| III  | 4          |                      |         |                            |                   |
| IV   | 10         | Communicate effectively with patient, families and team member and maintain effective human | **Communication and Nurse patient relationship**  
- Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication  
- Methods of Effective Communication, Attending skills | Lecture  
Discussion  
Role play and video film on the nurses interacting with the patient  
Practice session on patient | Essay type  
Short answers  
Objective type |
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</table>
| V    | 17         | ➢ Explain the concept, uses, format and steps of nursing process  
➢ Documents nursing process as per the format | **The Nursing Process**  
• Critical Thinking and Nursing Judgment  
  Critical Thinking: Thinking and Learning,  
  o Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing  
  • Nursing Process Overview: Application in Practice  
  o Nursing process format: INC, current format  
  o Assessment Collection of Data: Types, Sources, Methods  
  - Formulating Nursing judgment: Data interpretation  
  o Nursing diagnosis  
  - Identification of client problems  
  - Nursing diagnosis statement  
  • Difference between medical and nursing diagnosis  
  o Planning | teaching  
Supervised Clinical practice | Essay type  
Short answers Objective type |
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</table>
|      |            | - Establishing Priorities  
- Establishing Goals and Expected Outcomes,  
- Selection of interventions: Protocols and standing Orders  
- Writing the Nursing Care Plan Implementation  
— Implementing the plan of care Evaluation  
- Outcome of care  
- Review and modify Documentation and Reporting | **Documentation and Reporting**  
- Documentation: Purposes of Recording and reporting  
- Communication within the Health Care Team,  
- Types of records; ward records, medical/nursing records,  
- Common Record-keeping forms, Computerized documentation  
- Guidelines for Reporting: Factual Basis, Accuracy, Completeness, currentness, Organization, confidentiality  
- Methods of Recording,  
- Reporting: Change-of shift reports: Transfer reports, Incident reports  
- Minimizing legal Liability through effective record keeping | Lecture discussion  
Demonstration Practice  
Session Supervised Clinical practice | Essay type  
Short answers  
Objective type |
| VI   | 4          | ➢ Describe the purposes, types and techniques of recording and reporting | **Vital signs**  
- Guidelines for taking vita! signs:  
- Body temperature:  
  - Physiology, Regulation, Factors affecting body temperature,  
  - Assessment of body temperature: sites, equipments and technique, special considerations | Lecture  
Discussion  
Demonstration Practice  
Supervised Clinical practice | Essay type  
Short answers  
Objective type |
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| VIII | 30         | - Describe purpose and process of health assessment  
- Describe the health assessment each body system  
- Perform health assessment of each body system | Health assessment  
- Purposes  
- Process of Health assessment  
- Health history  
- Physical examination:  
- Methods: inspection, Palpation, Percussion, Auscultation, Olfaction  
Preparation for examination: patient and unit.  
General assessment  
Assessment of each body system  
Recording of health assessment. | Lecture discussion  
Demonstration  
Practice on simulators  
Supervised Clinical practice | Essay type  
Short answers  
Objective Type |
| IX   | 5          | - Identifies the various | Machinery, Equipment and linen | Lecture discussion | Essay type  
Short |
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<th>Unit</th>
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<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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| X    | 62         | ➢ Describe the basic, physiological and psychosocial needs of patient  
➢ Describe the principles and techniques for meeting basic, physiological and psychosocial needs of patient  
➢ Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient | Meeting needs of patient  
• Basic needs (Activities of daily living)  
Providing safe and clean environment:  
- Physical environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control  
- Reduction of Physical hazards: fire, accidents  
- Safety devices: Restraints, side rails, airways, trapez etc  
- Role of nurse in providing safe and clean environment  
Hygiene: -  
- Factors Influencing Hygienic Practice  
- Hygienic care: Care of the Skin-Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears, and Nose  
  - Assessment, Principles, Types, Equipments, Procedure, Special Considerations  
- Patient environment: Room Equipment and linen,  
  - Making patient beds  
Types of beds and bed making Comfort: -  
- Factors Influencing Comfort  
- Comfort devices Physiological needs:  
  - Sleep and Rest:  
  - Physiology of sleep  
  - Factors affecting sleep  
  - Promoting Rest and sleep | ➢ Demonstration  
➢ Lecture discussion  
➢ Demonstration  
➢ Practice sessions  
➢ Supervised  
➢ Clinical practice | ➢ Essay type  
➢ Short  
➢ answers  
➢ Objective type  
➢ Assess with check list and clinical practical examination |
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<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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|      |            |                     | - Sleep Disorders
Nutrition: -
- Importance
- Factors affecting nutritional
- Assessment of nutritional needs:
Variables
- Meeting Nutritional needs:
Principles, equipments, procedure and special
considerations
- Oral
- Enteral: Naso/ Orogastric, gastrostomy
- Parenteral:
- Urinary Elimination
- Review of Physiology of Urine Elimination, Composition and characteristics of urine Factors Influencing Urination
Alteration in Urinary Elimination
Types and Collection of urine specimen:
Observation, urine testing
Facilitating urine elimination: assessment, types, equipments, procedures and special
considerations
- Providing urinal / bed pan
  o Condom drainage
  o Perineal care
  o Catheterization
  o Care of urinary drainage
  o Care of urinary diversions
  o Bladder irrigation
  ▪ Bowel Elimination
- Review of Physiology of Bowel Elimination, Composition and characteristics of faeces
- Factors affecting Bowel elimination
- Alteration in Bowel Elimination
- Types and Collection of specimen of faeces:
Observation
- Facilitating bowel elimination: assessment,
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<td>equipments, procedures and special considerations</td>
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<td>Passing of Flatus tube Enemas Suppository Sitz bath Bowel wash</td>
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<td>Care of Ostomies Mobility and Immobility - Principles of Body Mechanics - Maintenance of normal body alignment and mobility - Factors affecting body alignment and mobility - Hazards associated with immobility - Alteration in body alignment and mobility - Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects</td>
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<td>Range of motion exercises o Maintaining body alignment: Positions Moving Lifting Transferring Walking Restraints - Oxygenation - Review of Cardiovascular and respiratory Physiology - Factors Affecting Oxygenation - Alterations in oxygenation - Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations Maintenance of patent airway Oxygen administration Suction Inhalations: dry and moist Chest physiotherapy and postural drainage</td>
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<td>Care of Chest drainage</td>
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<td>Pulse oximetry</td>
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<td>CPR- Basic life support</td>
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<td>- Review of Physiological Regulation of Fluid, Electrolyte, and Acid - Base Balances</td>
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<td>Nursing interventions in Fluid, Electrolyte, and Acid</td>
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<td>- Base imbalances: assessment, types, equipment, procedure and special considerations</td>
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<td>o Measuring fluid intake and output</td>
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<td>Corrcting Fluid, Electrolyte Imbalance:</td>
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<td>Replacement of fluids: Oral and Parenteral Venipuncture, regulating IV Flow rates, changing IV solutions and tubing, Changing IV dressing, Administering Blood transfusion</td>
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<td>Restriction of fluids</td>
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<td>Psychosocial Needs</td>
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<td>Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, Coping with loss, death and grieving</td>
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<td>Assessment of psychosocial needs</td>
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<td>- Nursing intervention for psychosocial needs</td>
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<td>- Assist with coping and adaptation</td>
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<td>- Creating therapeutic environment</td>
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<td>o Recreational and diversional therapies.</td>
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| XI   | 22         | Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical settings | **Infection control in Clinical settings**  
- Infection control  
  - Nature of infection  
  - Chain of infection transmission  
  - Defenses against infection: natural and acquired  
  - Hospital acquired infection (Nosocomial infection)  
  - Concept of asepsis: medical asepsis, and surgical asepsis  
  - Isolation precautions (Barrier nursing):  
    - Hand washing: simple, hand antisepsis and surgical antisepsis (scrub)  
    - Isolation: source and protective  
    - Personal protecting equipments: types, uses and technique of wearing and removing  
    - Decontamination of equipment and unit  
    - Transportation of infected patients  
    - Standard safety precautions (Universal precautions)  
    - Transmission based precautions  
  - Biomedical waste management:  
    - Importance  
    - Types of hospital waste  
    - Hazards associated with hospital waste  
    - Decontamination of hospital waste  
    - Segregation and Transportation and disposal | Lecture discussion  
Demonstration  
Practice session  
Supervised Clinical practice |
| XII  | 42         | Explain the principles, routes, effects of administration of medications  
Calculate conversions of drugs and dosages within | **Adminstration of Medications:**  
- General  
  - Principles / consideration  
  - Purposes of Medication  
  - Principles: 5 rights; special consideration; Prescriptions; Safety in Administering | Essay type  
Short answers  
Objective type  
Assess with check list and clinical practical examination |
<table>
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<th>Unit</th>
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<td>XIII</td>
<td>10</td>
<td>Describe the pre and post operative care of patients Explain the process of wound healing Explain the principles and requirements Meeting needs of Peri operative patients</td>
<td>- Definition and concept of Peri operative Nursing Preoperative Phase - Preparation of patient for surgery Intra-operative Operation theatre Set up and environment</td>
<td>Lecture discussion Demonstration Practice session Supervised Clinical practice</td>
<td>Essay type Short answers Objective type Assess with check list and clinical practical</td>
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<tr>
<td>Unit</td>
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<td>15</td>
<td>Explain care of patients having alterations in body functioning</td>
<td><strong>Meeting special needs of the patient</strong>&lt;br&gt;• Care of patients having alteration in:&lt;br&gt;- Temperature (hyper and hypothermia); Types, Assessment, Management&lt;br&gt;- Sensorium (Unconsciousness); Assessment, Management&lt;br&gt;- Urinary Elimination (retention and incontinence); Assessment, Management&lt;br&gt;- Functioning of sensory organs: (Visual &amp; hearing impairment)&lt;br&gt;- Assessment of Self-Care ability&lt;br&gt;- Communication Methods and special considerations&lt;br&gt;- Mobility (physically challenged, cast), assessment of Self-Care ability:&lt;br&gt;Communication Methods and special considerations&lt;br&gt;- Mental state (mentally challenged), assessment of Self-Care ability;&lt;br&gt;- Communication Methods and special considerations&lt;br&gt;- Respiration (distress); Types, Assessment, Management&lt;br&gt;Comfort - (Pain) - Nature, Types,</td>
<td>Lecture discussion&lt;br&gt;Case discussions&lt;br&gt;Supervised clinical practice</td>
<td>Essay type&lt;br&gt;Short answers&lt;br&gt;Objective Type</td>
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<td>Unit</td>
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<td>XV</td>
<td>5</td>
<td>Explain care of terminally ill patient</td>
<td>Factors influencing Pain, Coping, Management; Treatment related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric – analysis</td>
<td>Lecture discussion Demonstration Case discussion / Role play Practice session Supervised Clinical practice</td>
<td>Essay type Short answers Objective Type</td>
</tr>
<tr>
<td>XVI</td>
<td>6</td>
<td>Explain the basic concepts of conceptual and theoretical models of nursing</td>
<td>Professional Nursing concepts and practices • Conceptual and theoretical models of nursing practice: Introduction to models- holistic model, health belief model, health promotion model etc Introduction to Theories in Nursing; Peplau’s, Henderson’s, Orem’s, Neuman’s, Roger’s and Roy’s Linking theories with nursing process</td>
<td>Lecture discussion</td>
<td>Essay type Short Answers</td>
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Prescribed Internal Assessment Weightage:

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<tr>
<th>Internal Assessment</th>
<th>Term Test</th>
<th>Assignment</th>
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</table>
Fundamentals of Nursing

Recommended Books:


Reference Books:

4. LWW – Lippincott’s Nursing Procedure, 2008, LWW.
5. Jacob – Clinical Nursing Skills & Procedures, 2008, Jaypee
NURSING FOUNDATIONS- PRACTICAL

Placement: First year
750 hours

Time: Practical -
(200 lab and 550 clinical)

Course Description:

This course is designed to help the students to develop an understanding the philosophy, objectives, theories and process of nursing in various clinical settings. It is aimed helping the students to acquire knowledge, understanding and skills techniques of nursing and practice them in clinical settings.

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<tr>
<th>Areas</th>
<th>Time (Hrs)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
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<tbody>
<tr>
<td>Demonstration</td>
<td></td>
<td></td>
<td>Hospital admission and discharge (III)</td>
<td>Practice in Unit Hospital</td>
<td>Evaluate with checklist</td>
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<tr>
<td>Lab General</td>
<td>200</td>
<td>Performs admission and discharge procedure</td>
<td>• Admission</td>
<td>Write nursing process records of patient</td>
<td>Assessment of clinical</td>
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<td>Medical and surgery ward</td>
<td>550</td>
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<td>• Prepare Unit for new patient</td>
<td>Simulated - Actual -</td>
<td>performance with</td>
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<td>Minimum practice time in clinical</td>
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<td>• Prepare admission bed</td>
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<td>rating scale</td>
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<td>area</td>
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<td>• Performs admission procedure</td>
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<td>Completion of</td>
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<td>• New patient</td>
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<td>• Transfer in Prepare patient records</td>
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<td>Assessment of</td>
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<td>• Discharge/Transfer out</td>
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<td>nursing process</td>
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<td>• Gives discharge counseling</td>
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<td>records with</td>
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<td>• Perform discharge procedure (Planned discharge, LAMA and abscond,</td>
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<td>checklist</td>
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<td>Referrals and transfers)</td>
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<td>Assessment of</td>
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<td>• Prepare records of discharge/transfer</td>
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<td>actual care given</td>
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<td>• Dismantle, and disinfect unit and equipment after</td>
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<td>with rating scale</td>
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<td>• discharge/transfer</td>
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<td>Perform assessment:</td>
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<td>• History taking, Nursing diagnosis, problem list, Prioritization,</td>
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<td>Goals &amp; Expected Outcomes, selection of interventions</td>
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<td>• Write Nursing Care Plan</td>
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<td>Vocation</td>
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<td>Preparres nursing care plan as per the nursing</td>
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<td>Areas</td>
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<td>• Gives care as per the plan</td>
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<td>• Gives care as per the plan</td>
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<td>effectively with patient, and team members and Maintain effective human relations</td>
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<td>Role-plays in simulated situations on communication techniques</td>
<td>Assess role plays with the checklist on communication techniques</td>
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<td>Develops plan for patient teaching</td>
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<td>Prepare a plan for patient teaching session</td>
<td>Assess health talk with the checklist</td>
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<td>Prepare patient reports</td>
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<td>Presents reports</td>
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<td>Assess-ment of comm-unication tech-niques by rating scale</td>
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<td>Monitor vital signs</td>
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<td>Perform health assessment of each body system</td>
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<td>Assess-ment of comm-unication tech-niques by rating scale</td>
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<td>Vital signs</td>
<td>• Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure</td>
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<td>Health assessment</td>
<td>6. Health history taking</td>
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<td>7. Perform assessment:</td>
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<td>- General</td>
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<td>- Body systems</td>
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<td>8. Use various methods of physical examination</td>
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<td>9. Inspection, Palpation,</td>
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<td>10. Percussion, Auscultation,</td>
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<td>11. Olfaction</td>
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<td>12. Identification of system wise deviations</td>
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<td>Prepare Patient’s unit:</td>
<td>Prepare beds:</td>
<td>Practice in lab &amp; hospital</td>
<td>Assessment of each skill with</td>
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<td>Prepare Patient’s unit:</td>
<td>• Prepare beds:</td>
<td>Practice in lab &amp; hospital</td>
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<td>Prepare Patient’s unit:</td>
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<td>Areas</td>
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<td>patients</td>
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<td></td>
<td>▪ Open, closed, occupied,</td>
<td>Simulated exercise on CPR</td>
<td>rating scale</td>
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<td></td>
<td>▪ Operation, amputation,</td>
<td>manikin</td>
<td>Completion of activity</td>
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<td>▪ Cardiac, fracture, burn, divided &amp; Fowlers bed</td>
<td></td>
<td>record</td>
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<td>▪ Pain assessment and provision for comfort</td>
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<td>Use comfort devices</td>
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<td>Hygienic care:</td>
<td>▪ Oral hygiene:</td>
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<td>▪ Baths and care of pressure points</td>
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<td>▪ Hair wash,</td>
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<td>▪ Pediculosis treatment</td>
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<td></td>
<td>Feeding:</td>
<td>▪ Oral, Enteral, Naso / Orogastric, gastrostomy and Parenteral feeding</td>
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<td>▪ Naso-gastric insertion, suction, and irrigation</td>
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<td></td>
<td></td>
<td>Assisting patient in urinary elimination</td>
<td>▪ Provides urinal/bed pan</td>
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<td>▪ Condom drainage</td>
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<td>▪ Perineal care</td>
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<td>▪ Catheterization</td>
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<td>▪ Care of urinary drainage</td>
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<td>Bladder irrigation</td>
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<td>Assisting bowel Elimination:</td>
<td>▪ Insertion of Flatus tube</td>
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<td>▪ Enemas</td>
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<td>▪ Insertion of Suppository</td>
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<td>Bowel wash</td>
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<td>Body Alignment and Mobility:</td>
<td>▪ Range of motion exercises</td>
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<td>▪ Positioning:</td>
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<td>▪ Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone,</td>
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<td>Areas</td>
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<td>Trendelenburg position</td>
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<td>Assist patient in Moving, lifting, transferring, walking</td>
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<td>Restraints</td>
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<td>Oxygen administration</td>
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<td>Suctioning: oropharyngeal, nasopharyngeal</td>
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<td>Chest physiotherapy and postural drainage</td>
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<td>Care of Chest drainage</td>
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<td>CPR- Basic life support</td>
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<td>Intravenous therapy</td>
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<td>Blood and blood component therapy</td>
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<td></td>
<td>Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids</td>
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<td>Perform lab tests:</td>
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<td>Urine: sugar, -albumin, acetone</td>
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<td>Blood: sugar (with strip glucometer)</td>
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<td>Hot and cold applications: local and general Sitz bath</td>
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<td>Communicating and assisting with self-care of visually &amp; hearing impaired patients</td>
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<td>Communicating and assisting with self-care of mentally challenged/disturbed patients</td>
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<td>Areas</td>
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<td>Recreational and diversional therapies</td>
<td>Caring of patient with alteration in sensorium</td>
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<td>Perform infection control procedures</td>
<td><strong>Infection control</strong></td>
<td>Observation study -2 Department of Infection control &amp; CSSD Visits CSSD write observation report Collection of samples for culture Do clinical posting in infection control department and write report Practice in lab/ward</td>
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<td></td>
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<td>Provide care to pre and post operative patients Perform procedures for care of wounds</td>
<td><strong>Decontamination of equipment and unit:</strong></td>
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<td>Surgical asepsis:</td>
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<td>- Sterilization</td>
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<td>- Handling sterilized equipment</td>
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<td>- Calculate strengths of lotions,</td>
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<td>- Prepare lotions</td>
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<td>- Care of articles</td>
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<td><strong>Pre and post operative care:</strong></td>
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<td>- Skin preparations for surgery:</td>
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<td>- Local</td>
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<td>- Preparation of Post operative unit</td>
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<td>- Pre &amp; post operative teaching and counseling</td>
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<td>- Pre and post operative monitoring</td>
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<td>- Care of the wound</td>
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<td>Areas</td>
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<tr>
<td>▪ Administer drugs</td>
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<td>Administration of medications</td>
<td>▪ Administer Medications in different forms and routes</td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Oral, Sub lingual and Buccal</td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Parenteral Intra-dermal, subcutaneous, Intramuscular etc.</td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Assist with Intra Venous medications</td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Drug measurements and dose calculations</td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Preparation of lotions and solutions</td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Administers topical applications</td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Insertion of drug into body cavity: Suppository &amp; medicated packing etc.</td>
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<td></td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Instillation of medicines and spray into Ear, Eye, Nose and throat</td>
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<td></td>
<td></td>
<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Irrigations: Eye, Ear, Bladder, Vagina and Rectum</td>
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<td>▪ Administer Medications in different forms and routes</td>
<td>▪ Inhalations: dry and moist</td>
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<td>▪ Provide care to dying and dead</td>
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<td>Care of dying patient</td>
<td>▪ Caring and packing of dead body</td>
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<td>▪ Counsel and support relatives</td>
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<td>▪ Counseling and supporting grieving relatives</td>
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<td>▪ Terminal care of the unit</td>
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Prescribed Internal Assessment Weightage:

**NURSING FOUNDATIONS – PRACTICAL**

<table>
<thead>
<tr>
<th>Internal Assessment</th>
<th>Weightage</th>
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<tbody>
<tr>
<td>Practical Examination</td>
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<tr>
<td>Clinical Evaluation</td>
<td>10</td>
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<tr>
<td>Procedural Demonstration</td>
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<td>Practical Record</td>
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<td>Observational Study</td>
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</table>
**PSYCHOLOGY**

**Placement:** First year  
**Time:** Theory - 80 hours

**Course Description:**

This course is designed to assist the students to acquire knowledge of fundamentals of psychology and develop an insight into behaviour of self and others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| I    | 2          | Describe the history, scope and methods of psychology | **Introduction**  
- History and origin of science of psychology  
- Definitions & Scope of Psychology  
- Relevance to nursing  
- Methods of Psychology | Lecture discussion | Essay type  
Short answer |
| II   | 7          | ➢ Explain the biology of Human behaviour | **Biology of behaviour**  
- Body mind relationship- modulation process in health and illness  
- Genetics and behaviour: Heredity and environment  
- Brain and behaviour: Nervous System,, Neurons and synapse,  
- Association Cortex, Rt and Lt Hemispheres  
- Psychology of Sensations  
- Muscular and glandular controls of behaviour  
- Nature of behaviour of an organism/Integrated responses | Lecture discussion | ➢ Essay type  
➢ Short answers |
| III  | 24         | ➢ Describe various cognitive processes and their applications | **Cognitive processes**  
- Attention: Types, determinants, Duration & degree, alterations  
- Perception: Meaning, Principles, factors affecting, Errors,  
- Learning: Nature, Types, learner and learning, Factors influencing, laws and theories, process, transfer, study habits  
- Memory: Meaning, Types, Nature Factors influencing, Development Theories and methods of memorizing and Forgetting  
- Thinking: Types and levels, stages of development, Relationship with | Lecture Discussion  
Psychometric assessment: Practice sessions | Essay type  
Short answers |
<table>
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<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| IV   | 12         | Describe motivation, emotions, stress, attitudes and their influence on behaviour | **Motivation and Emotional Processes:**  
- Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution  
- Emotions & stress: Emotion: Definition, components, Changes in emotions, theories emotional adjustments, emotions in health and illness  
- Stress: stressors, cycle, effect, adaptation & coping  
- Attitude: Meaning, nature, development, factors affecting, Behaviour and attitudes  
- Attitudinal change  
- Psychometric assessments of emotions and attitudes  
- Alterations in emotions Applications | Lecture  
Discussion  
Role plays  
Case Discussion  
Demonstration | Essay type  
Short answers |
| V    | 9          | Explain the concepts of personality and its influence on behaviour | **Personality**  
Definitions, topography, types, Theories  
Psychometric assessments of personality  
Alterations in personality Applications | Lecture  
Discussion  
Demonstration | Essay type  
Short answers |
| VI   | 9          | Describe psychology of people during the life cycle | **Developmental Psychology**  
- Psychology of people at different ages from infancy to old age  
- Psychology of vulnerable individuals-challenged, women, sick, etc  
- Psychology of groups | Lecture  
Discussion  
Case Discussion  
Demonstration | Essay type  
Short answers |
| VII  | 11         | Describe the characteristics of Mentally healthy Person  
Explain ego defence mechanisms | **Mental hygiene and mental Health**  
- Concepts of mental hygiene and mental health  
- Characteristics of mentally healthy person  
- Warning signs of poor mental health  
- Promotive and Preventive mental health- | Lecture  
Discussion  
Case Discussion  
Role play  
Demonstration | Essay type  
Short answers |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<tbody>
<tr>
<td>VIII</td>
<td>6</td>
<td>Explain the Psychological assessments and role of nurse</td>
<td>Psychological assessment &amp; tests • Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment</td>
<td>Lecture Discussion Demonstration Practice sessions</td>
<td>Assessment of practice</td>
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**Prescribed Internal Assessment Weightage:**

*Internal Assessment:*  
- **Term Test** - 30  
- **Assignment** - 20
## MICROBIOLOGY

**Placement:** First year  
**Time:** Theory - 80 hours  
*(Theory 60+ 20 lab)*

### Course Description:

This course is designed to enable students to acquire understanding of fundamentals of Microbiology and identification of various micro-organisms. It also provides opportunities for practicing infection control measures in hospital and community settings.

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<tr>
<th>Unit</th>
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<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| I    | 5          | Explain concepts and principles of microbiology and their Importance to nursing | **Introduction:**  
  - Importance and relevance to nursing  
  - Historical perspective  
  - Concepts and terminology  
  - Principles of microbiology | Lecture Discussion | Short answer questions  
  Objective type |
| II   | 14         | Describe structure, classification, morphology and growth of bacteria  
Identify Micro-organisms | **General characteristics of Microbes**  
  - Structure and classification of Microbes  
  - Morphological types  
  - Size and form of bacteria  
  - Motility  
  - Colonization  
  - Growth and nutrition of microbes  
  - Temperature  
  - Moisture  
  - Blood and body fluids  
  - Laboratory methods for Identification of Microorganisms  
  - Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation  
  - Culture; various medias | Lecture Discussion  
Demonstration | Short answer questions  
Objective type |
<table>
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<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| III  | 14 T 2 P   | Describe the methods of infection control Identify the role of nurse in hospital infection control programme | **Infection control**  
  - Infection: Sources, portals of entry and exit, transmission  
  - Asepsis  
  - Disinfection; Types and methods  
  - Sterilization; Types and Methods  
  - Chemotherapy and antibiotics  
  - Standard safety measures  
  - Biomedical waste management  
  - Role of Nurse  
  - Hospital acquired infection  
  - Hospital infection control programme  
  - Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse’s accountability, continuing education etc. | Lecture Discussion  
 Demonstration  
 Visits to CSSD  
 Clinical practice | Short answers  
 Objective type |
| IV   | 16 T 6 P   | Describe the different disease producing organisms | **Pathogenic organisms**  
  - Micro-organisms  
  - Cocci — gram positive and gram negative bacilli— gram positive and gram negative Spirochaete Mycoplasma Rickettsiae Chlamydiae  
  - Viruses  
  - Fungi -Superficial and Deep mycoses  
  - Parasites  
  - Rodents & vectors  
  Characteristics, Source, portal of entry, transmission of infection  
  Identification of disease producing micro-organisms  
  Collection, handling and transportation of various specimens | Lecture Discussion  
 Demonstration | Short answer questions  
 Objective type |
<p>| V    | 11 T 5 P   | Explain the | <strong>Immunity</strong> | Lecture | Short answers |</p>
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
|      | T | P | concept of immunity, hypersensitivity and immunization | • Immunity-Types, classification  
• Antigen and antibody reaction  
• Hypersensitivity — skin test  
• Serological tests  
• Immunoprophylaxis  
Vaccines & sera -Types & Classification, storage and handling, cold chain  
Immunization for various diseases  
-Immunization Schedule | Discussion  
Demonstration  
Clinical practice | Objective type |

**Prescribed Internal Assessment Weightage:**

**MICROBIOLOGY**

- Internal Assessment
  - Term Test - 30
  - Assignment - 20
INTRODUCTION TO COMPUTERS

Placement: First year               Time: Theory - 55 hours
Practical – 20hours

Course Description:

This course is designed for students to develop basic understanding of uses of computer and its applications in nursing.

<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5          | Identify & define various concepts used in computer identify application of computer in nursing | **Introduction:**
  • Concepts of Computers
  • Hardware and software; trends and technology
  • Application of computers in nursing | Lecture Discussion
Demonstration | Short answers Objective type |
| II   | 15         | Describe and Use the Disk Operating System
Demonstrate skill in the use of MS Office | • Introduction to disk-operating system
DOS c Windows (all version)
• Introduction u MS-Word MS-Excel with pictorial presentation MS-Access MS-Power point | Lecture Discussion
Demonstration
Practice Session | Short answer questions Objective type Practical Exam |
| III  | 10         | Demonstrate skill in using multi-media Identify features of computer aided teaching and testing | Multimedia; types & uses Computer aided teaching & testing. | Lecture Discussion
Demonstration | Short answers Objective type Practical Exam and Viva Voce |
| IV   | 5          | Demonstrate use of internet and Email | Use of Internet and: e-mail | Lecture Discussion
Demonstration
Practice Session | Short answers Objective type Practical Exam and Viva Voce |
| V    | 10         | Describe and use the statistical packages | Statistical packages: types and their features | Lecture Discussion
Demonstration
Practice Session | Short answers Objective type Practical Exam and Viva Voce |
| VI   | 10         | Describe the use of Hospital Management System | Hospital Management System: Types and uses | Lecture Discussion
Demonstration | Short answer questions Objective type Practical Exam and Viva Voce |
INTRODUCTION TO COMPUTERS  100 marks

Internal Examination : 100

References

SOCIOLOGY

Placement: Second year  
Theory- 80 Hours

Course Description:

This course is designed to introduce the concepts of sociology related to community and social institutions in India and its relationship with health, illness and nursing.

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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| I    | 1          | State the importance of sociology in Nursing | Introduction  
- Definition of Sociology  
- Nature and Scope of the discipline  
- Importance and application of Sociology in Nursing | Lecture Discussion | Essay type  
Short answers |
| II   | 3          | Describe the inter-relationship of individual in society and community | Individual & Society  
- Society and Community  
- Nature of Society  
- Difference between Society and Community  
- Process of Socialization and individualization  
- Personal disorganization | Lecture Discussion | Essay type  
Short answers |
| III  | 5          | Describe the influence of culture and on health and disease | Culture  
- Nature of culture  
- Evolution of culture  
- Diversity and uniformity of culture  
- Culture and socialization  
- Transcultural society  
- Influence on health and disease | Lecture Discussion  
Panel Discussion | Essay type  
Short answers |
| IV   | 6          | Identify various social groups and their interactions | Social groups and Processes  
The meaning and classification of groups Primary & Secondary | Lecture Discussion | Essay type  
Short answers |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<tr>
<td>V</td>
<td>8</td>
<td>Explain the growth of population in India and its impact on health</td>
<td><strong>Population</strong>&lt;br&gt;• Society and population&lt;br&gt;• Population distribution in India- Demographic characteristics&lt;br&gt;• Malthusian theory of Populations&lt;br&gt;• Population explosion in India and its impact on health status&lt;br&gt;• Family welfare programmes</td>
<td>Lecture&lt;br&gt;Discussion&lt;br&gt;Community identification</td>
<td>Essay type&lt;br&gt;Short answers&lt;br&gt;Assessment of report on community identification</td>
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<td>VI</td>
<td>7</td>
<td>Describe the institutions of family and marriage in India</td>
<td><strong>Family and Marriage</strong>&lt;br&gt;• Family- Functions&lt;br&gt;• Types-Joint, Nuclear, Blended and extended family: Characteristics&lt;br&gt;• The Modern Family — Changes, Problems-Dowry etc., welfare Services&lt;br&gt;• Changes &amp; legislations on family and marriage in India - marriage acts&lt;br&gt;• Marriage: Forms and functions of marriage, marriage and family problems in India&lt;br&gt;• Family, marriage and their influence on health and health practices</td>
<td>Lecture&lt;br&gt;Discussion&lt;br&gt;Family Case study</td>
<td>Essay type&lt;br&gt;Short answers&lt;br&gt;Assessment of family case study</td>
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<td>VII</td>
<td>9</td>
<td>Describe the</td>
<td><strong>Social Stratification</strong></td>
<td>Lecture</td>
<td>Essay type</td>
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<td>Unit</td>
<td>Time (Hrs)</td>
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<tr>
<td>class and caste system and their influence on health and health practices</td>
<td>Meaning &amp; types of social stratification</td>
<td>The Indian Caste System- origin &amp; features Features of Caste in India Today • Social Class system and status • Social Mobility-Meaning &amp; Types • Race as a biological concept, criteria of racial classification • Salient features of Primary races- Racism • Influence of Class, Caste and Race on health and health practices</td>
<td>Discussion Community survey</td>
<td>Short answers Assessment of report on community survey</td>
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<tr>
<td>Describe the types of communities in India, their practices and the impact on health</td>
<td>Types of Communities in India (Rural, Urban and Regional) Features of village community &amp; Characteristics of Indian villages- Panchayat system, social dynamics Community Development project &amp; planning Changes in Indian Rural Life Availability of health facilities in rural and its impact on health and health practices Urban Community features The growth of cities: Urban isation and its impact on health and health practices Major Urban problems- Urban Slums Region: Problems and impact on Health</td>
<td>Lecture Discussion Visits to rural and urban community Community survey</td>
<td>Essay type Short answers Assessment of report on community survey</td>
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<td>Unit</td>
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| IX   | 6          | Explain the process of Social Change | Social Change  
- Nature and process of Social Change  
- Factors influencing Social change: cultural change, Cultural lag.  
- Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional  
- Role of nurse-Change agents | Lecture Discussion | Essay type Short answers |
| X    | 6          | Explain the process of Social Change | Social organization and social system  
- Social organization: elements, types  
- Democratic and authoritarian modes of participation,  
- Voluntary associations  
- Social system: Definition and Types of social system  
- Role and Status as structural elements of social system  
- Inter-relationship of institutions | Lecture Discussion  
Observation visits | Essay type Short answers  
Assessment of visit reports |
| XI   | 4          | Explain the nature and process of social control | Social Control  
- Nature and process of social control  
- Political, Legal, Religious, Educational, Economic, Industrial and Technological systems, Norms & Values- Folkways & Mores  
Customs, Laws and Fashion  
Role of Nurse. | Lecture Discussion  
Community survey | Essay type Short answers  
Assessment of report on community survey. |
| XII  | 17         | Describe the role of the nurse in Social Problems | Social Problems  
- Social disorganization | Lecture Discussion | Essay type Short |
<table>
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<tr>
<th>Unit Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<td>dealing with social problems in India</td>
<td>• Control &amp; planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women &amp; children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS. • Social Welfare programmes in India Role of nurse</td>
<td>Institutional visits</td>
<td>Answers Assessment of visit reports</td>
</tr>
</tbody>
</table>

**Prescribed Internal assessment weightage:**

**Internal Assessment :**

- **Term Test** - 30
- **Assignment** - 20
PHARMACOLOGY

Placement: Second year

Course Description:

Objectives: To enable the students to acquire understanding of Pharmacodynamics, Pharmacokinetics and Principles of Therapeutics and Nursing implications.

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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<td>I</td>
<td>8</td>
<td>Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration</td>
<td><strong>Introduction to pharmacology</strong>&lt;br&gt;• Definitions&lt;br&gt;• Sources&lt;br&gt;• Terminology used&lt;br&gt;• Types: Classification&lt;br&gt;• Pharmacodynamics: Actions, therapeutic, • Adverse, toxic&lt;br&gt;• Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion&lt;br&gt;• Review: Routes and principles of administration of drugs&lt;br&gt;• Indian pharmacopoeia: Legal issues&lt;br&gt;• Rational use of drugs&lt;br&gt;• Principles of therapeutics</td>
<td>Lecture Discussion</td>
<td>Short answers Objective type</td>
</tr>
<tr>
<td>II</td>
<td>6</td>
<td>Explain chemotherapy of specific infections and infestations and nurse’s responsibilities</td>
<td><strong>Chemotherapy</strong>&lt;br&gt;• Pharmacology of commonly used;&lt;br&gt;• Penicillin&lt;br&gt;• Cephalosporins.&lt;br&gt;• Aminoglycosides&lt;br&gt;• Macrolide &amp; Broad Spectrum Antibiotics&lt;br&gt;• Sulfonamides&lt;br&gt;• Quinolones.&lt;br&gt;• Antiamoebic&lt;br&gt;• Antimalarials&lt;br&gt;• Anthelmintics&lt;br&gt;• Antiscabies agents&lt;br&gt;• Antiviral &amp; anti-fungal agents.</td>
<td>Lecture Discussion Drug study/presentation</td>
<td>Short answers Objective type</td>
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<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
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</table>
| III  | 2          | Describe Antiseptics, disinfectants, insecticides and nurse’s responsibilities | Pharmacology of commonly used antiseptics, disinfectants and insecticides  
• Antiseptics; Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse  
• Disinfectants  
• Insecticides | Lecture Discussion Drug study / presentation | Short answers Objective type |
| IV   | 2          | Describe Drugs acting on Gastro Intestinal system and nurse’s responsibilities | Drugs acting on G.I. system  
• Pharmacology of commonly used-  
  - Antiemetics,  
  - Emetics  
  - Purgatives  
  - Antacids  
  - Cholinergic  
  - Anticholinergics  
  - Fluid and electrolyte therapy  
  - Anti diarrhoeals  
  - Histamines Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse | Lecture Discussion Drug study/presentation | Short answers Objective type |
| V    | 2          | Describe Drugs used on Respiratory Systems and nurse’s responsibilities | Drugs used on Respiratory Systems  
• Pharmacology of commonly used-  
  - Antiasthmatics  
  - Mucolytics  
  - Decongestants  
  - Expectorants  
  - Antitussives | Lecture Discussion Drug study/presentation | Short answers Objective type |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| VI   | 2          | Describe Drugs used on Urinary System and nurse’s responsibilities | **Drugs used on Urinary System**  
**Pharmacology of commonly used-**  
- Diuretics and anti-diuretics  
- Urinary antiseptics  
- Cholinergic and anticholinergics  
- Acidifiers and alkalanizeis  
- Composition, action, dosage, route,  
- indications, contraindications, drug  
- interactions, side effects, adverse  
- effects, toxicity and role of nurse | Lecture Discussion Drug study/presentation | Short’ answers Objective type |
| VII  | 4          | Describe Drugs used in De-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immuno suppression and nurse’s responsibilities | **Miscellaneous**  
- Drugs used in de-addiction  
- Drugs used in CPR and emergency  
- Vitamins and minerals  
- Immunosuppressant  
- Antidotes  
- Antivenom  
- Vaccines and sera | Lecture Discussion Drug study / presentation | Short answers Objective type |
| VIII | 1          | Describe Drugs used on skin and mucous membranes and nurse’s responsibility | **Drugs used on skin and mucous membranes**  
- Topical applications for skin, eye, ear, nose and buccal cavity  
- Antipruritics | Lecture Discussion, Drug study / presentation | Short answers Objective Type |
<table>
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<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<tr>
<td></td>
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<td>bilities</td>
<td>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</td>
<td>Lecture, Discussion, Drug study / Presentation</td>
<td>Short answers Objective type</td>
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<tr>
<td>IX</td>
<td>8</td>
<td>Describe Drugs used on Nervous System and nurses responsibilities</td>
<td><strong>Drugs acting on Nervous system</strong>&lt;br&gt;Basic &amp; applied pharmacology of commonly used: /)&lt;br&gt;Analgesics and Anaesthetics&lt;br&gt;Analgesics - Non steroidal anti Inflammatory (NSAID) drugs&lt;br&gt;Antipyretics&lt;br&gt;Hypnotics and Sedatives - Opioids - Non-Opioids - Tranquilizers - General l &amp; local anesthetics - Gases: oxygen, nitrous oxide, carbon dioxide&lt;br&gt;Cholinergic and anti-cholinergic: Musceral relaxants&lt;br&gt;Major tranquilizers&lt;br&gt;Anti-psychotics&lt;br&gt;Antidepressants&lt;br&gt;Anticonvulsants&lt;br&gt;Adrenergics&lt;br&gt;Noradregenics&lt;br&gt;Mood stabilizers&lt;br&gt;Acetylcholine&lt;br&gt;Stimulants&lt;br&gt;Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</td>
<td>Lecture, Discussion, Drug study / Presentation</td>
<td>Short answers Objective type</td>
</tr>
<tr>
<td>X</td>
<td>5</td>
<td>Describe Drugs used on Cardiovascular System and nurse’s responsibilities</td>
<td><strong>Cardiovascular drugs</strong>&lt;br&gt;• Haematinics&lt;br&gt;• Cardiotonics,&lt;br&gt;• Anti anginals&lt;br&gt;• Anti-hypertensives &amp; Vasodilators&lt;br&gt;• Anti-arrhythmics</td>
<td>Lecture, Discussion, Drug study Presentation</td>
<td>Short answers Objective Type</td>
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<td>Unit</td>
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</table>
| bilities | 4 | Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse’s responsibilities | Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy.  
- Insulins & Oral hypoglycemics  
- Thyroid supplements and suppressants  
- Steroids, Anabolics  
- Uterine stimulants and relaxants  
- Oral contraceptives  
- Other estrogen-progestrone preparations  
- Corticotrophine & Gonadotropines  
- Adrenaline.  
- Prostaglandins -  
- Calcitonins  
- Calcium salts  
- Calcium regulators  
Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse | Lecture Discussion  
Drug study / presentation | Short answers  
Objective type |
| XII | 6 | Demonstrate awareness of the common drugs used in alternative systems of medicine | Introduction to Drugs used in alternative systems of medicine:  
- Ayurveda, Homeopathy, Unani and Siddha etc | Lecture Discussion  
Observational Visits | Short answers  
Objective type |
Prescribed Internal assessment weightage:

Internal Assessment : Term Test - 15  
Assignment       - 10
### Course Description:

This course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| I    | 5          | Define the common terms used in pathology. Appreciate the deviations from normal to abnormal structure and functions of the body system. | **Introduction**  
* Importance of the study of pathology  
* Definition of terms  
* Methods and techniques  
* Cellular and Tissue changes  
* Infiltration and regeneration  
* Inflammations and Infections  
* Wound healing  
* Vascular changes  
* Cellular growth, Neoplasms  
* Normal and Cancer cell  
* Benign and Malignant growths  
* In situ carcinoma  
Disturbances of fluid and electrolyte imbalance. | Lecture Discussion Explain using Charts | Short answer questions Objective type |
| II   | 14 5      | Explain Pathological changes in disease conditions of various systems | **Special pathology**  
* Pathological changes in disease conditions of various systems:  
  * Respiratory tract  
  - Tuberculosis, Bronchitis, Pleural effusion and pneumonia,  
  - Lung abscess, emphysema, bronchiectasis, Bronchial asthma, Chronic obstructive Pulmonary disease & tumours | Lecture Discussion Explain using Charts, slides, specimen, X-rays and Scans  
Visit to Pathology lab, endoscopy unit and OT | Short answer Objective type |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Teaching Learning Activities</th>
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<td>Cardiovascular system</td>
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<td>Pericardial effusion</td>
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<td>- Rheumatic heart disease</td>
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<td>- Infective endocarditis,</td>
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<td>atherosclerosis,</td>
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<td>- Ischemia, infarction &amp;</td>
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<td>aneurysm</td>
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<td>Gastro Intestinal Tract</td>
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<td>- Peptic ulcer, typhoid</td>
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<td>- Carcinoma of GI tract</td>
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<td>- buccal, Esophageal,</td>
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<td>- Gastric &amp; intestinal</td>
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<td>Liver, Gall bladder &amp;</td>
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<td>pancreas</td>
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<td>- Hepatitis, Chronic liver</td>
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<td>abscess, cirrhosis</td>
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<td>- Tumours of liver, gall</td>
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<td>bladder and pancreas,</td>
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<td>- Cholecystitis</td>
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<td>- Kidneys &amp; Urinary tract</td>
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<td>- Glomerulonephritis,</td>
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<td>pyelonephritis</td>
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<td>- Calculi, renal failure,</td>
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<td>renal carcinoma &amp; cystitis</td>
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<td>- Male genital systems</td>
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<td>Cryptorchidism testicular</td>
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<td>- Prostatic hyperplasia,</td>
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<td>Carcinoma Penis &amp; prostate</td>
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<td>• Female genital system.</td>
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<td>Fibroids</td>
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<td>- Vesicular mole,</td>
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<td>- Ectopic gestation</td>
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<td>- Ovarian cyst &amp; tumours</td>
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<td>- Stroke, paraplegia,</td>
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<td>- Tumours, meningiomas</td>
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<td>Unit</td>
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<td>Assessment methods</td>
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<tr>
<td>III</td>
<td>6</td>
<td>3</td>
<td>Describe various laboratory tests in assessment and monitoring of disease conditions</td>
<td><strong>Clinical pathology</strong> Various blood and bone marrow tests in assessment and monitoring of disease conditions Hemoglobin, RBC. White cell &amp; platelet counts Bleeding time, clotting time and prothrombine time - Blood grouping and cross matching - Blood chemistry Blood culture - Serological and immunological tests - Other blood tests - Examination of Bone marrow - Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values</td>
<td>Lecture Discussion Demonstration Visit to Clinical Pathology &amp; Biochemistry lab and Blood bank</td>
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<tr>
<td>IV</td>
<td>4</td>
<td>1</td>
<td>Describe the laboratory tests for examination of body cavity fluids, transudates and exudates</td>
<td><strong>Examination of body cavity fluids, transudates and exudates</strong> The laboratories tests used in CSF analysis Examination of other body cavity fluids, transudates and exudates sputum, wound discharge etc • Analysis of gastric and duodenal contents Analysis of semen-sperm count, motility and morphology and their importance in infertility Methods of collection of CSF and other cavity fluids specimen</td>
<td>Lecture Discussion Demonstration</td>
</tr>
<tr>
<td>Unit</td>
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</table>
| V    | 1 1        | Describe the laboratory tests for examination of Urine and faeces | **Urine and faeces**  
- Urine  
- Physical characteristics  
- Analysis  
- Culture and sensitivity  
- Faeces  
Characteristics  
Stool examination: occult blood, ova, parasite and cyst, reducing substance etc.  
Methods of collection for various tests, inference and normal values | Lecture Discussion  
Demonstration | Short answers  
Objective type |
Section- B Genetics  
Placement: Second  

Course Description: 

This course is designed to enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 4          | Explain nature, principles and perspectives of heredity | **Introduction:**  
  • Practical application of genetics in Nursing  
  • Impact of genetic condition on families  
  • Review of cellular division mitosis and meiosis  
  • Characteristics and structure of genes  
  • Chromosomes — sex determination  
  • Chromosomal aberrations Patterns of inheritance  
  Mendelian theory of inheritance  
  Multiple allots and blood groups  
  Sex linked inheritance  
  Mechanism of inheritance  
  Errors in transmission (Mutation) | Lecture  
Discussion  
Explain using charts, slides | Short answers  
Objective type |
| II   | 4          | Explain Maternal, prenatal and genetic influences on development of defects and diseases | **Maternal, prenatal and genetic influences on development of defects and diseases**  
  • Conditions affecting the mother: genetic and infections  
  • Consanguinity atopy  
  • Prenatal nutrition and food allergies.  
  • Maternal Age  
  • Maternal drug therapy  
  • Prenatal testing and diagnosis  
  • Effect of Radiation, drugs and chemicals  
  • Infertility  
  • Spontaneous abortion | Lecture  
Discussion  
Explain using charts, slides | Short answers  
Objective Type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| III  | 3          | Explain the screening methods for genetic defects and diseases in neonates and children | **Genetic testing in the neonates and children**  
- Screening for  
  - Congenital abnormalities  
  - Developmental delay  
  - Dysmorphism | Lecture  
Discussion  
Explain using charts, slides | Short Answers  
Objective type |
| IV   | 3          | Identify genetic disorders in adolescents and adults | **Genetic conditions of adolescents and adults**  
- Cancer genetics — Familial Cancer  
- Inborn errors of metabolism  
- Blood group alleles and haematological disorder  
- Genetic haemochromatosis  
- Huntington’s disease  
- Mental illness | Lecture  
Discussion  
Explain using charts, slides | Short answers  
Objective Type |
| V    | 6          | Describe the role of nurse in genetic services and counselling | **Services related to Genetics**  
- Genetic testing  
- Human genome project  
- Gene therapy  
- The Eugenics movement  
- Genetic Counselling  
- Legal and Ethical issues  
- Role of nurse | Lecture  
Discussion | Short answers  
Objective Type |

*Prescribed Internal Assessment Weightage:*

- **Internal Assessment**:  
  - **Term Test**: 15  
  - **Assignment**: 10
The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

<table>
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<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 15         | Appreciate the trends in medical and surgical nursing. Describe the role of a nurse in caring for adult patient in hospital and community. Describe the concepts of Medical Surgical asepsis | **Introduction:**  
- Introduction to medical surgical nursing- Evolution and trends of medical and surgical nursing  
- Review of Concepts of Health and illness Disease-concepts, causations, classification-International Classification Diseases (ICD- 10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness  
- Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process.  
- Role of Nurse, patient and family in care of adult patient  
- Role and responsibilities of a nurse in medical surgical settings:  
  - Outpatient department.  
  - In-patient unit  
  - Intensive care unit.  
  - Home and Community settings  
  Introduction to Medical Surgical asepsis  
  - Inflammation and Infection  
  - Immunity  
  - Wound healing  
  Care of Surgical Patient  
  -Pre-operative  
  -Intra operative  
  -Post Operative | Lecture discussion  
Demonstration  
Practice session  
Supervised clinical practice | Short answers  
Objective Type  
Assessment of skills with checklist |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| II   | 15         | Describe the common signs, symptoms, problems and their Specific nursing interventions | **Common signs and symptoms and management**  
- Fluid and electrolyte imbalance.  
- Vomiting  
- Dyspnea and cough, respiratory obstruction  
- Fever  
- Shock  
- Unconsciousness, Syncope  
- Pain  
- Incontinence  
- Edema  
- Age related problems-geriatric | Lecture discussion  
Seminar  
Case discussion | Short answers  
Objective Typ |
| III  | 20         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems | **Nursing management of patients (adults including elderly) with respiratory problems**  
- Review of anatomy and physiology of respiratory system,  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with –  
Upper Respirator’ that infection  
Bronchitis  
Asthma  
Emphysema  
Empyema  
Atelectasis  
Chronic Obstructive Pulmonary Diseases (COPD)  
Bronchiectasis  
Pneumonia | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar  
Health education  
Supervised clinical practice book /presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| IV   | 30         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems | Nursing management of patient (adults including elderly) with disorders of digestive system  
• Review of anatomy and physiology of digestive system  
• Nursing Assessment-History and Physical assessment  
• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management  
• Disorders of  
  • Oral cavity- lips, gums, and teeth  
  • Oesophagus —inflammation? stricture, obstruction, bleeding and tumours  
  • Stomach and duodenal hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis  
  • Small intestinal disorders inflammation and infection, entiritis, malabsorption, obstruction, tumour and perforation  
  • Large intestinal disorders- Colitis, inflammation and infection, obstruction and tumour and lump | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar  
Health education  
Supervised clinical practice  
Drug book/presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
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<th>Unit</th>
<th>Time (Hrs)</th>
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<tbody>
<tr>
<td>V</td>
<td>30</td>
<td>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems</td>
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**Nursing management of patient (adults including elderly) with blood and cardio vascular problems**

- Review of anatomy and physiology of blood and cardio vascular system,
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of-
  - Vascular system
  - Hypertension, Hypotension
  - Artherio sclerosis
  - Raynaud’s disease
  - Aneurism and Peripheral vascular disorders
- Heart
  - Coronary artery diseases
  - Ischemic Heart Disease
  - Coronary atherosclerosis | Lecture discussion
Explain using Charts, graphs
Models, films, slides
Demonstration
Practice session
Case discussions / Seminar
Health education
Supervised clinical practice
Drug book /presentation
Visit to blood bank
Participation in blood donation camps
Counseling | Essay type
Short answers
Objective type
Assessment of skills with check list
Assessment of patient management problem |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
|      |            |                     | • Angina pectoris  
• Myocardial infarction  
• Valvular disorders of the heart  
  - Congenital and acquired  
  - Rheumatic Heart diseases  
• Endocarditis, Pericarditis Myocarditis  
• Cardiac Myopathies  
• Cardiac dysrhythmias, Heart Block  
• Congestive cardiac failure  
  Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade  
• Cardiac emergencies and arrest  
• Cardio Pulmonary Resuscitation (CPR)  
• Blood  
• Anaemias  
• Polycythemia  
• Bleeding disorders; clotting factor defects and platelets defects  
• Thalassemia  
• Leukaemias  
• Leukopenias and agranulocytosis  
• Lymphornas  
• Myelornas  
• Special therapies  
• Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reactions;, records for blood transfusion.  
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<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| VI   | 10         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system | • Role of a nurse in Organ donation, retrieval and banking  
Alternative therapies  
Nursing procedures  
Drugs used in treatment of blood and cardio vascular disorders | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar  
Health education  
Supervised clinical practice  
Drug book/presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |

**Nursing management of patient (adults including elderly) with genito-urinary problems**  
- Review of anatomy and physiology of genito-urinary system  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of-  
- Nephritis  
- Nephrotic syndrome  
- Nephrosis  
- Renal calculus  
- Tumours  
- Acute renal failure  
- Chronic renal failure  
- End stage renal disease  
- Dialysis, renal transplant  
- Congenital disorders, urinary infections  
- Benign prostate hypertrophy.  
- Disorders of ureter, urinary bladder and urethera inflammation, infection, stricture, obstruction, tumour, prostrate  
- Special therapies, alternative therapies  
- Nursing procedures  
- Drugs used in treatment of genitourinary disorders.
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<th>VII</th>
<th>5</th>
<th>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system</th>
<th><strong>Nursing Management of disorders of male(adults including elderly) reproductive system</strong></th>
<th>Lecture discussion Explain using</th>
<th>Essay type Short answers</th>
</tr>
</thead>
</table>
|  |  |  | • Review of anatomy and physiology of male reproductive system  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of male reproductive system  
- Congenital malformations; Hypospadiasis  
- A1ospadiasis, Epispadiasis  
- Infections  
- Testis and adjacent structures Penis  
- Prostate: inflammation, infection, hypertrophy, tumour  
- Sexual Dysfunction Infertility  
- Contraception  
- Breast; gynecomastia, tumour  
- Climacteric changes Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system. | Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book / presentation | Objective type Assessment of skills with check list Assessment of patient management problem |
<p>| VIII | 10 | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system | <strong>Nursing management of patient(adults including elderly) with disorders of endocrine system</strong> | Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice | Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem |</p>
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<th>Unit</th>
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<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| IX   | 10         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of Skin | Nursing management of patient (adults including elderly) with disorders of Integumentary system  
- Review of anatomy and physiology of Skin and its appendages  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of skin and its appendages –  
- Lesions and abrasions  
- Infection and infestations; Dermatitis  
- Dermatoses; infect mis and Non infectious “inflammatory dermatoses”  
- Acne Vulgaris  
- Allergies and Eczema  
- Psoriasis  
- Malignant melanoma  
- Alopecia  
Special therapies, alternative therapies  
Nursing procedures Drugs used in treatment of disorders of Integumentary system. | Lecture discussion  
Explain using Charts, graphs Models, films, slides  
Demonstration  
Practice session  
Case discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book / presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| X    | 15         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system | Nursing management of patient (adults including elderly) with musculoskeletal problems  
- Review of anatomy and physiology of musculoskeletal system,  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of -  
  - Disorders of:  
    - Muscles, Ligaments and Joints - inflammation, infection, trauma  
    - Bones-inflammation, infection, dislocation, fracture, tumour and trauma  
    - Osteomalacia and osteoporosis  
    - Arthritis  
    - Congenital deformities  
    - Spinal column- defects and deformities, Tumour, Prolapsed inter vertebral disc, pott’s spine Paget’s disease  
    - Amputation  
    - Prosthesis  
    - Transplant & replacement surgeries  
    - Rehabilitation. Special therapies, alternative therapies  
    - Nursing procedures Drugs used in treatment of disorders of musculoskeletal system. | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar  
Health education  
Supervised clinical practice  
Drug book /presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
| XI   | 10         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic | Nursing management of patient (adults including elderly) with Immunological problems  
- Review of Immune system,  
- Nursing Assessment-History and Physical assessment | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides | Essay type  
Short answers  
Objective type |
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
|      | 20         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases. | **Nursing management of patient (adults including elderly) with Communicable Diseases**  
- Overview of infectious disease, the infectious process  
- Nursing Assessment-History and Physical assessment  
- Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common Communicable Diseases | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar  
Health education | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient Management Problem |

|      |            | measures and management of patients (adults including elderly) with disorders of Immunological system | • Etiology, Pathophysiology, clinical manifestations, diagnosis. treatment modalities and medical, surgical, dietetics & nursing management of-  
• Immunodeficiency disorder.  
• Primary immuno deficiency.  
• Phagocytic dysfunction B-cell and T-cell deficiencies  
• Secondary immunodeficiencies  
Acquired immunodeficiency syndrome (AIDS)  
• Incidence of HIV & AIDS  
Epidemiology  
Transmission-Prevention of Transmission  
• Standard Safety precautions  
• Role of Nurse; Counseling  
• Health education and home care consideration.  
• National AIDS Control Program - NACO, various national and international agencies  
• Infection control program  
• Rehabilitation. Special therapies, alternative therapies  
Nursing procedures Drugs used in treatment of disorders of immune logical system. | Demonstration  
Practice session  
Case  
Discussions/Seminar  
Health education  
Supervised clinical practice  
Drug hook /presentation  
Orientation visit to Hospital  
Control system | of skills with check list  
Assessment of patient management problem |
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<tr>
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<tbody>
<tr>
<td>XIII</td>
<td>20</td>
<td>Describe the Organization and physical set up of operation theatre Identify the various instruments and equipments used for</td>
<td>Peri operative nursing: - Organization and Physical set up of the Operation Theatre (OT): - Classifications - O.T. DESIGN - Staffing - Members of the OT team. - Duties and responsibilities of nurse in O.T. - Principles of Health and operating room attire.</td>
<td>Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Supervised clinical practice Drug book /presentation</td>
<td>Essay type Short answers Objective type Assessment of skills with check list</td>
</tr>
<tr>
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<tr>
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<td>used for common surgical procedures</td>
<td>• Instruments, • Sutures and suture materials • Equipments • O.T. tables and sets for common surgical procedures • Positions and draping for common surgical procedures • Scrubbing procedures • Gowning and gloving • Preparation of O.T. Sets • Monitoring the patient during surgical procedures • Maintenance of therapeutic environment in O.T. • Standard Safety measures Infection control; fumigation, disinfection and sterilization Biomedical waste management • Prevention of accidents and hazards in O.T • Anaesthesia • Types • Methods of administration Effects and Stages • Equipments • Drugs • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects</td>
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</tbody>
</table>

**Prescribed Internal assessment weightage:**

*Internal Assessment : Term Test - 30  
Assignment - 20*
**Medical Surgical Nursing**

**Recommended Books:**

- Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010, LWW
- Black – Medical Surgical Nursing, 2009, Elsevier
- Lewis – Medical Surgical Nursing, 2008, Elsevier

**Reference Books:**

- Davidson’s Principles & Practice of Medicine, 2010, Elsevier
- Bailey & Love Short Practice of Surgery, 2008, Hodder Arnold
- Timby – Introductory Medical Surgical Nursing, 2009, WK
- Das – Textbook of Surgery, SD Publishers
- Woods – Cardiac Nursing, 2010, LWW
- Hickey – Neurologic & Neurosurgical Nursing, 2009, LWW
- Morton – Critical Care Nursing, 2009, LWW
- Thelan’s Critical Care Nursing, 2008, Elsevier
- Spring House – Medical Surgical Nursing Made Incredibly Easy, 2008, LWW
- Gulanick – Nursing Care Plans, 2008, Elsevier
- Carpenito – Nursing Care Plans & Documentation
- Carpenito – Nursing Diagnosis, 2009, LWW
- Webber – Health assessment In Nursing, 2010, WK
- Nettina – Lippincott manual of Nursing Practice, 2009, LWW
# Medical Surgical Nursing
(Adult including Geriatrics) - I
Practical

## Placement: Second year

### Time: 800 hours

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
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<tbody>
<tr>
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</table>
| General Surgical Ward (GI, Urinary, CTVS) | 180 hrs           | Provide pre and post operative nursing care to adult patients with surgical disorders Counsel and educate patients and families | Enema Urinary drainage  
  • Maintain Intake, output and documentation  
  • Counsel and teach related to specific disease conditions | Plan and give care to 3-4 assigned patients  
  Nursing care plan - 2  
  Nursing case study! presentation - I | Assess performance with rating scale  
  Assess each skill with checklist  
  Evaluation of case study! presentation  
  Completion of activity record |
| Cardiology ward              | 150 hrs           | Provide nursing care to patients with cardiac disorders Counsel and educate patients and families | Physical examination of the cardio vascular system  
  Recording and interpreting ECG  
  Monitoring of patients  
  Preparation and assisting in non-invasive and invasive diagnostic procedures  
  Administer cardiac drugs  
  Cardio pulmonary Resuscitation | Plan and give care to 2-3 assigned patients  
  Nursing care plan - I  
  Nursing case study! Presentation Health talk - I | Assess performance with rating scale  
  Assess each skill with checklist  
  Evaluation of case study! presentation  
  Completion of activity record |
<p>| Skin &amp; Commu                 | 30 hrs            | Identify skin problems | Assessment of patients with skin disorders | Plan and give care to 2-3 assigned patients | Assess performance |</p>
<table>
<thead>
<tr>
<th>Areas</th>
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<tbody>
<tr>
<td>Communicable diseases Ward</td>
<td>80 hrs</td>
<td>Provide nursing care to patients with Skin disorders &amp; Communicable diseases Counsel and educate patients and families</td>
<td>Assist in diagnostic and therapeutic procedures Administer topical medication Practice medical surgical asepsis - Standard safety measures Use of personal protective equipment (PPE) Give Medicated baths Counseling HIV positive patients Teach prevention of infectious diseases.</td>
<td>Health talk Counseling HIV positive patients and families -1 Maintain drug book Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction- buck’s extension traction. Assist in application and removal of prosthesis Physiotherapy-Range of motion exercises (ROM), muscle strengthening exercises Crutch maneuvering technique. Activities of daily living Ambulation Teach and counsel patients and families</td>
<td>Assess performance with rating scale Evaluation of health talk/Counseling session Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction- buck’s extension traction. Assist in application and removal of prosthesis Physiotherapy-Range of motion exercises (ROM), muscle strengthening exercises Crutch maneuvering technique. Activities of daily living Ambulation Teach and counsel patients and families</td>
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<tr>
<td>Orthopaedic ward</td>
<td>80 hrs</td>
<td>Provide nursing care to patients with musculo skeletal disorders Counsel and educate patients and families</td>
<td>Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction- buck’s extension traction. Assist in application and removal of prosthesis Physiotherapy-Range of motion exercises (ROM), muscle strengthening exercises Crutch maneuvering technique. Activities of daily living Ambulation Teach and counsel patients and families</td>
<td>Plan and give care to 2-3 assigned patients Nursing care plan—1 Nursing care plan—1 Counseling HIV positive patients and families -1 Maintain drug book</td>
<td>Assess performance with rating scale Evaluation of health talk/Counseling session Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction- buck’s extension traction. Assist in application and removal of prosthesis Physiotherapy-Range of motion exercises (ROM), muscle strengthening exercises Crutch maneuvering technique. Activities of daily living Ambulation Teach and counsel patients and families</td>
</tr>
<tr>
<td>Operation Theatre</td>
<td>180 hrs</td>
<td>Identify instruments used in common operations Participate in Infection control practice in the Operation Theatre Set-up the table/trolleys for common</td>
<td>Scrubbing, gowning, gloving Identify instruments, suturing materials for common operations Disinfection, Carbolization, fumigation Preparation of instrument sets for common operations Sterilization of sharps and other instruments Prepare the OT table</td>
<td>Assist as a circulatory nurse in Major cases — 10 Minor cases-5 Assist as a scrub nurse in Major cases-10 Minor cases-5. Maintain drug book</td>
<td>Assess performance with rating scale Completion of activity record</td>
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<tr>
<td>Areas</td>
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<td></td>
<td></td>
<td>operative procedures</td>
<td>depending upon the operation</td>
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<td></td>
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<td>Assist in giving anesthesia</td>
<td>Positioning and monitoring of patients</td>
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<td></td>
<td>Assist in the operative procedures</td>
<td>Endotracheal intubation</td>
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<tr>
<td></td>
<td></td>
<td>Provide pen operative nursing care</td>
<td>Assisting in minor and major operations</td>
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<td>Handling specimens</td>
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<td>Disposal of waste as per the guidelines</td>
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**Internship**

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<thead>
<tr>
<th>Areas</th>
<th>Duration in weeks</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
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</thead>
<tbody>
<tr>
<td>ICU, CCU, CARDIAC OT.</td>
<td>2</td>
<td>To gain proficiency in ICU nursing</td>
<td>Assist in arterial puncture for blood gas analysis.</td>
<td>Arterial puncture-5</td>
<td>Record hook</td>
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<td></td>
<td></td>
<td>Develop advance skill in special procedures used in critical care unit.</td>
<td>Perform ECG and interpret accordingly.</td>
<td>Taking out ECG stripe-5</td>
<td>Checking with supervisor.</td>
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<td></td>
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<td>Identify potential problems and provide accordingly.</td>
<td>Conduct and analysis pulse oximetry.</td>
<td>Tracheal suction-5</td>
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<td></td>
<td></td>
<td>Skill in setting and handling ventilator</td>
<td>Care with artificial airway.</td>
<td>For all assigned patients</td>
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<td></td>
<td>Assist in endotracheal intubation</td>
<td>Oxygen administration</td>
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<td>Setting up ventilator</td>
<td>by CPAP mask and use Ambu bag.</td>
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<td></td>
<td>Giving care in ventilator</td>
<td>Assessment for all assigned patients</td>
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<td></td>
<td>Assist in arterial puncture for blood gas analysis.</td>
<td>Drug sheet.</td>
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<td>Observation of special procedure in OT.</td>
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<td></td>
<td>Administer injection in infusion pump.</td>
<td>Nursing care of Ventilator patients</td>
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<td></td>
<td>Record accurately findings and medications.</td>
<td>Drug sheet.</td>
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<td>Develop IPR with family members.</td>
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<td>Acquint with OT technique</td>
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<tr>
<td>Neuro ICU, ITU, OT</td>
<td>2</td>
<td>Develop skill in neurological assessment:</td>
<td>Assess neurological status.</td>
<td>Assessment for all assigned patients</td>
<td>Record book</td>
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<td></td>
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<td>Give care to the</td>
<td>Implement care to head injury spinal injury patients.</td>
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<td>Observation Checklist</td>
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<tr>
<td>Areas</td>
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<td>Pre and postoperative care with neuro surgery patients.</td>
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<tr>
<td>Burns and plastic reconstructive surgery</td>
<td>2</td>
<td>Assess the severity of burns. Administer rehydration therapy. Observe reconstructive surgery.</td>
<td>Nursing care</td>
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</tbody>
</table>

**Prescribed Internal assessment weightage:**

- **Internal Assessment**:
  - Practical Examination - 25
  - Clinical Evaluation - 10
  - Care Study - 5
  - Practical Record - 5
  - Observational Visit - 5
Community Health Nursing - I

Placement: Second year

Theory - 100 Hours
Practical - 160 hours

Course description:
This course is designed for students to appreciate the principles of prevention, promotion and maintenance of health for individuals, families and community.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>2</td>
<td>Describe concept and dimensions of health</td>
<td>Introduction • community health nursing definition, concept and dimensions of health emotion of health Measurement of health &amp; diseases, vital statistics ▪ Maintenance of health</td>
<td>Lecture discussion</td>
<td>Short answers</td>
</tr>
<tr>
<td>II</td>
<td>20</td>
<td>Describe determinants of health</td>
<td>Determinants of health • Eugenics • Environment: Physical: Air, light, ventilation, Water, Housing, Sanitation; disposal of waste disposal of dead bodies, Forestation, Noise, Climate, communication infrastructure facilities arid Linkages Acts regulating the environment: National Pollution control board Bacterial &amp; viral: Agents, host carriers and immunity Arthropods and Rodents, Food hygiene: Production, Preservation, Purchase, preparation, consumption Acts regulating food hygiene- Prevention of food adulteration act, Drugs and cosmetic act Sociocultural Customs, taboos “Marriage system family structure of Status of special</td>
<td>Lecture discussion Explain using Charts, graphs, Models, films, slides Visits to water supply, sewage disposal milk plant house etc</td>
<td>Essay type Short answers Objective type</td>
</tr>
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<td>groups; Females, Children, Elderly, challenged groups and Sick persons Life Style Hygiene Physical activity Recreation and sleep Sexual life Spiritual life philosophy Dietary pattern Education Occupation Financial Management Income Budget Purchasing power Security.</td>
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<tr>
<td>III</td>
<td>13</td>
<td>Describe concept, scope, uses methods and approaches of epidemiology</td>
<td>Epidemiology Definition&lt;concept, aims, scope, uses and terminology used in epidemiology Epidemiological investigation International classification of diseases. Medical entomology Dynamics of disease transmission: epidemiological triad 17. Morbidity and mortality: measurements Levels of prevention Methods of epidemiology of Descriptive Analytical: Epidemic investigation Experimental</td>
<td>Lecture discussion Explain using Charts, graphs Models, films, slides</td>
<td>Essay type Short answers</td>
</tr>
<tr>
<td>IV</td>
<td>30</td>
<td>Describe Epidemiology and nursing management of common Communicable Diseases</td>
<td>Epidemiology and nursing management of common Communicable Diseases Respiratory infections Small Pox Chicken Pox Measles influenza Rubella ARI’s &amp; Pneumonia Mumps</td>
<td>Lecture discussion Explain using Charts, graphs Models, films, slides Seminar Supervised field practice-health centers, clinics and homes Group projects Health education</td>
<td>Essay type Short answers Objective type</td>
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<tr>
<td></td>
<td>20</td>
<td>- Intestinal Infections -</td>
<td>Whooping cough, Meningococcal meningitis u., Tuberculosis, SARS</td>
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<td>25</td>
<td>- Poliomyelitis, Viral Hepatitis, Cholera, Diarrhoecal diseases, Typhoid Fever, Food poisoning, Amoebiasis, Hook worm infection, Ascariasis, Dracunculiasis, Arthropod infections, Dengue, Malaria, Filariasis, Zoonoses, Viral, Rabies, Yellow fever, Japanese encephalitis -</td>
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<td></td>
<td>30</td>
<td>- Rickettsial Zoonoses -</td>
<td>Kyasnr Forest Disease, Bacterial, Brucellosis, Plague, Human Salmonellosis, Anthrax, Leptospirosis, Rickettsial diseases, U Rickettsial Zoonoses, Scrub typhus, Murine typhus, Tick typhus, fever, Parasitic zoonoses, Taeniasis, Hydatid disease, Leishmaniasis, Surface infection, Trachoma, Tetanus, Leprosy, STD &amp; RTI, Yaws, HIV/AIDS</td>
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<td>Unit</td>
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<tr>
<td>V</td>
<td>12</td>
<td>Describe Epidemiology and nursing management of common Non communicable diseases</td>
<td><strong>Epidemiology and Nursing management of Non communicable diseases</strong>&lt;br&gt;Malnutrition: under nutrition, over nutrition, nutritional deficiencies&lt;br&gt;Anaemia&lt;br&gt;Hypertension&lt;br&gt;Stroke&lt;br&gt;Rheumatic Heart Disease&lt;br&gt;Coronary Heart Disease&lt;br&gt;Cancer&lt;br&gt;Diabetes mellitus&lt;br&gt;Blindness&lt;br&gt;Accidents&lt;br&gt;Mental illness&lt;br&gt;Obesity&lt;br&gt;Iodine Deficiency&lt;br&gt;Fluorosis&lt;br&gt;Epilepsy</td>
<td>Seminar&lt;br&gt;Supervised field practice-health centers, clinics and homes&lt;br&gt;Group projects! Health education&lt;br&gt;Lecture discussion. Explain using Charts, graphs Models, films, slides</td>
<td>Essay type Short answers Objective type</td>
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<tr>
<td>VI</td>
<td>6</td>
<td>Describe the concepts and scope of demography Describe methods of data collection, analysis and interpretation’ of demographic data</td>
<td><strong>Demography</strong>&lt;br&gt;• Definition, concept and scope&lt;br&gt;• Methods of collection, analysis and interpretation of demographic data&lt;br&gt;• Demographic rates and ratios</td>
<td>Lecture discussion&lt;br&gt;Community identification survey</td>
<td>Essay type Short answers Objective type Assessment of Survey report</td>
</tr>
<tr>
<td>VII</td>
<td>17</td>
<td>Identify the impact of population explosion in India Describe methods of population control</td>
<td><strong>Population and its control</strong>&lt;br&gt;• Population explosion and its impact on social, economic development of individual, society ad country&lt;br&gt;• Population control: Overall development: Women empowerment, social, economic and educational development&lt;br&gt;Limiting family size: Promotion of small family norm&lt;br&gt;Methods: spacing (natural, biological, chemical, mechanical methods etc)&lt;br&gt;Terminal: surgical methods</td>
<td>Lecture discussion&lt;br&gt;Population survey Counseling&lt;br&gt;Demonstration Practice session Supervised field practice</td>
<td>Essay type Short answers Objective type Assessment of Survey report</td>
</tr>
<tr>
<td>Unit</td>
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<td>Emergency contraception</td>
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*Prescribed Internal Assessment Weightage:*

*Internal Assessment*:  
- Term Test - 30  
- Assignment - 20
## Community Health Nursing I – Practical

### Placement: Second year

**Time:** 160 hours

<table>
<thead>
<tr>
<th>Areas</th>
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<tbody>
<tr>
<td>Community health nursing</td>
<td>Urban– 60 hrs</td>
<td>• Build and Maintain rapport</td>
<td>• Use Techniques of interpersonal relationship</td>
<td>• To work with 2 assigned families each in urban and rural /</td>
<td>• Assess clinical performance with rating scale</td>
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<td></td>
<td>Rural–100 hrs</td>
<td>• Identify demographic characteristics, health determinants and community health resources</td>
<td>• Identification of health determinants of community</td>
<td>• Family Study</td>
<td>• Assess each skill with checklist</td>
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<td></td>
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<td>• Diagnose health needs of individual and families</td>
<td>• History taking</td>
<td>• Observation report of community -l</td>
<td>• Evaluation of family study, observation report and health talk</td>
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<td>• Provide primary care in health centre</td>
<td>• Physical examination</td>
<td>• Health talks 2 (1 in urban and in rural)</td>
<td>• Completion of activity record.</td>
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<td>• Counsel and educate individual, family and community</td>
<td>• Collect specimens- sputum, malaria smear</td>
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<td>• Perform simple lab tests at centre- blood for Hemoglobin and sugar, urine for albumin and</td>
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<td>sugar</td>
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<td>• Administer vaccines and medications to adults</td>
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<td>• Counsel and teach individual, family and community</td>
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<td>Nutrition</td>
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<td>Hygiene</td>
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<td>Self health monitoring</td>
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<td>Seeking health services</td>
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<td>Healthy life style</td>
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<td>Family welfare methods</td>
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<td>Health promotion</td>
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</table>

### Prescribed Internal Assessment Weightage

**Practical Internal Assessment**

- **Practical Examination**: 25
- **Clinical Evaluation**: 10
- **Family Care study**: 5
- **Practical Record**: 5
- **Field Visit**: 5
Communication & Educational Technology

Placement: Second year

Hours – 100 hrs

Theory - 70 Hours

Practice Teaching - 30 hours

Course Description:

This course is designed to help the students acquire an understanding of the principles and methods of communication and teaching. It helps to develop skill in communicating effectively, maintaining effective interpersonal relations, teaching individuals and groups in clinical, community health and educational settings.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
|      |            | Describe the communica
tion process identify techniques of effective communica
tion | Review of Communication Process | Lecture Discussion | Respond to critical incidents |
<p>|      |            |                      | Process; elements And channel Facilitators Barriers and methods of overcoming Techniques | Role plays | Short answers |
|      |            |                      |          | Exercises with audio/video tapes | Objective type |
| I    | 6          | Establish effective interpersonal relations with patients, families &amp; co-workers | Interpersonal relations | Lecture Discussion | Short Answer | Objective type |
|      |            |                      | Purpose &amp; types Phases Barriers &amp; methods of overcoming Johari Window | Role Plays | Objective type |
|      |            |                      |          | Exercises with audio/video tapes | Objective type |
|      |            |                      |          | Process recording | Objective type |
| II   | 6          | Develop effective human relations in context of nursing | Human relations | Lecture Discussion | Short Answer | Objective type |
|      |            |                      | • Understanding self • Social behaviour, motivation, social attitudes • Individual and groups • Groups &amp; individual • Human relations in context of nursing • Group dynamics Team work | Sociometry | Objective type |
|      |            |                      |          | Psychometric exercise followed by discussion | Respond to test based on critical incidents |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Assessment methods</th>
</tr>
</thead>
</table>
| IV   | 12 5       | Develop basic skill of counseling and guidance | Guidance & counseling  
- Definition  
- Purpose, scope and need  
- Basic principles  
- Organization of counseling services  
- Types of counseling approaches  
- Role and preparation of counselor  
- Issues for counseling in nursing: students and practitioners  
- Counseling process — steps & techniques, tools of counselor  
- Managing disciplinary problems  
- Management of crisis & referral | Lecture Discussion  
Role play on counseling in different situations followed by discussion | Short Answer  
Objective type  
Assess performance in role play situations |
| V    | 6          | Describe the philosophy & principles of Education  
Explain the teaching learning process | Principles of education & teaching learning process  
- Education: meaning, philosophy, aims, functions & principles  
- Nature and Characteristics of learn  
- Principles and maxims of teaching,  
- Formulating objectives; general and specific  
- Lesson planning  
- Classroom management | Lecture. Discussion  
Prepare lesson plan  
Micro teaching  
Exercise on writing Objectives | Short Answer  
Objective type  
Assess lesson plans & teaching sessions |
<p>| VI   | 11 10      | Demonstrate | Methods of teaching | Lecture Discussion | Short Answer |</p>
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<tr>
<td></td>
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<td>teaching skill using various teaching. methods in clinical, classroom and community settings</td>
<td>Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted learning, micro teaching problem based learning. Self instructional module and simulation etc. Clinical teaching methods: case method, nursing round &amp; reports, bedside clinic, conference (individual &amp; group) process recording.</td>
<td>Conduct 5 teaching sessions using different methods &amp; media</td>
<td>Objective type Assess teaching sessions</td>
</tr>
<tr>
<td>VII</td>
<td>11</td>
<td>Prepare and use different type of educational media effectively</td>
<td><strong>Educational Media</strong> Purposes and types of A.V. Aids, Principles &amp; Sources etc., Graphic aids: chalk board, chart, graphs, posters, flash cards, flannel graph, bulletin, cartoon. 3 Dimensional Aids: Objects, Specimens, Models, Puppets Printed Aids: Pamphlets &amp; leaflets. Projected Aids: Slides, OHP, Films, TV, VCR/ VCD, Camera, Microscope, LCD. Audio Aids: Tape recorder, public address system. Computer</td>
<td>Lecture, discussions, Demonstration Prepare different teaching aids- Projected and non-projected.</td>
<td>Short answers Objective Type Assess the teaching aids prepared.</td>
</tr>
<tr>
<td>VIII</td>
<td>6</td>
<td>Prepare different assessment</td>
<td><strong>Assessment:</strong></td>
<td>Lecture, Discussions,</td>
<td>Short answers</td>
</tr>
<tr>
<td>Unit</td>
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<tr>
<td>T</td>
<td>P</td>
<td>types of questions for assessment of knowledge, skills and attitudes</td>
<td>Purpose and scope of evaluation and assessment Criteria for selection of assessment techniques and methods Assessment of knowledge: Essay type questions Short answer questions (SAQ). Multiple Choice Questions (MCQ). Assessment of skills: Observation Check List, Practical Exam, Viva, Objective Structured clinical examination (OSCE) Assessment of attitude: Attitude scales.</td>
<td>Exercise on writing different types of assessment tools.</td>
<td>Objective types Assess the strategies used in practice teaching sessions and exercise sessions</td>
</tr>
<tr>
<td>IX</td>
<td>6</td>
<td>Teach individuals, groups and communities about health with their active participation</td>
<td><strong>Information, Education &amp; communication for health (IEC)</strong> o Health behaviour &amp; health education Planning for health education Health education with individuals, groups &amp; communities Communicating health messages Methods &amp; media for communicating health messages Using mass media</td>
<td>Lecture Discussion Plan &amp; conduct health education, sessions for individuals, group &amp; communities</td>
<td>Short Answer Objective type Assess the planning &amp; conduct of the educational session</td>
</tr>
</tbody>
</table>
**Prescribed Internal Assessment Weightage:**

*Internal Assessment*: Term Test - 30

*Practice Teaching/Assignment* - 20

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**Nursing Education**

**Recommended Books:**

2. Young – Teaching Nursing, 2008, LWW
3. Neeraja – Nursing Education, 2008, Jaypee

**Reference Books:-**

1. Bosek – Ethical Component of Nursing Education, LWW
3. Smith - The Legal, Professional and Ethical Dimensions of Higher Education, Kluwer in
Medical Surgical Nursing (Adult including Geriatrics) II

Placement: Third year

Time: Theory - 120 hours
Practical - 300 hours

Course Description:

The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

<table>
<thead>
<tr>
<th>Unit</th>
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<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| 1    | 15         | Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures and management of patients with disorders of Ear Nose and Throat | Nursing management of Patient with disorders of Ear Nose and Throat  
- Review of anatomy and physiology of the Ear Nose and Throat  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Ear Nose and Throat disorders:  
  - External ear: deformities otalgia, foreign bodies, and tumours  
  - Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours  
  - Inner ear- Meniere’s Disease, labyrinthitis, ototoxicity, tumours  
  - Upper airway infections — Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsilitis and adenoiditis, peritonsilar abscess, laryngitis  
  - Upper respiratory airway — epistaxis,  
  - Nasal obstruction, laryngeal | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book /presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
<table>
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<tr>
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</thead>
</table>
| I    |            |                      | obstruction, cancer of the larynx  
➤ Cancer of the oral cavity  
➤ Speech defects and speech therapy  
➤ Deafness -  
➤ Prevention, control and rehabilitation  
➤ Hearing Aids, implanted hearing devices  
➤ Special therapies nursing procedures Drugs used in treatment of disorders of Ear Nose and Throat Role of nurse Communicating with hearing impaired and muteness. | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book /presentation  
Visit to eye bank  
Participation in eye-camps | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
| II   | 15         | Describe the Etiology, Pathophysiology, clinical manifestations diagnostic measures and management of patients with disorders of eye. | **Nursing management of patient with disorders of eye**  
➤ Review of anatomy and physiology of the eye  
➤ Nursing Assessment-History and Physical assessment  
➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders:  
➤ Refractive errors  
➤ Eyelids-infection, tumours and deformities  
➤ Conjunctiva- inflammation and infection, bleeding  
➤ Cornea- inflammation and infection  
➤ Lens-Cataracts  
➤ Glaucoma  
➤ Disorder of the urinary tract,  
➤ Ocular tumours  
➤ Disorders of posterior chamber and retina: Retinal and vitreous problems.  
➤ Retinal detachment  
➤ Ocular emergencies and their prevention  
➤ Blindness  
➤ National blindness control. Program Eye Banking  
➤ Eye prostheses and Rehabilitation Role of a nurse- Communication with visually impaired Patient, Eye camps | | |
<table>
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<tbody>
<tr>
<td>III</td>
<td>16</td>
<td>Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and nursing management of patients with neurological disorders</td>
<td>Nursing management of patient with neurological disorders&lt;br&gt;- Review of anatomy and physiology of the neurological system&lt;br&gt;- Nursing Assessment-History and Physical and neurological assessment and Glasgow coma scale&lt;br&gt;- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of neurological disorders&lt;br&gt;- Congenital malformations&lt;br&gt;- Headache&lt;br&gt;- Head Injuries&lt;br&gt;- Spinal Injuries: Paraplegia, Hemiplegia, Quadriplegia&lt;br&gt;- Spinal cord compression- herniation of intervertebral disc&lt;br&gt;- Tumors of the brain &amp; spinal cord&lt;br&gt;- Intra cranial and cerebral aneurysms&lt;br&gt;- Infections: Meningitis, Encephalitis, Brain abscess, neurocysticercosis&lt;br&gt;- Movement disorders: Chorea, Seizures, Epilepsies&lt;br&gt;- Cerebro Vascular Accidents (CVA): Cranial, Spinal Neuropathies — Bell’s palsy, trigeminal neuralgia&lt;br&gt;- Peripheral Neuropathies: GuillainBarr’e Syndrome&lt;br&gt;- Myasthenia gravis&lt;br&gt;- Multiple sclerosis&lt;br&gt;- Degenerative diseases</td>
<td>Lecture discussion&lt;br&gt;- Explain using Charts, graphs&lt;br&gt;- Models, films, slides&lt;br&gt;- Demonstration&lt;br&gt;- Practice session&lt;br&gt;- Case discussions / Seminar&lt;br&gt;- Health education&lt;br&gt;- Supervised clinical practice&lt;br&gt;- Drug book / presentation&lt;br&gt;- Visit to rehabilitation centre.</td>
<td>Essay type&lt;br&gt;Short answers&lt;br&gt;Objective type&lt;br&gt;Assessment of skills with check list&lt;br&gt;Assessment of patient management problem</td>
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<td>Delirium&lt;br&gt;- Dementia&lt;br&gt;- Alzheimer’s disease&lt;br&gt;- Parkinson’s disease&lt;br&gt;- Management of unconscious</td>
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<td>Unit</td>
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</table>
| I    |            |                     | patients and patients with stroke  
• Role of the nurse in communicating with patient having neurological deficit  
• Rehabilitation of patients with neurological deficit  
Role of nurse in long stay facility (institutions) and at home  
Special therapies Nursing procedures Drugs used in treatment of neurological disorders | | | |
| IV   | 16         | Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and nursing management of patients with disorders of female reproductive system  
Describe concepts of reproductive health and family welfare programme | Nursing management of patients with disorders of female reproductive system  
Review of anatomy and physiology of the female reproductive system  
Nursing Assessment-History and Physical assessment  
Breast Self Examination  
Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management disorder of female reproductive system  
Congenital abnormalities of female reproductive system  
Sexuality and Reproductive Health  
Sexual Health Assessment  
Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome  
Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia  
Pelvic Inflammatory Disease-Ovarian and fallopian tube disorders; infections, cysts, tumours  
Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/UrethrocceleRectocele  
• Vaginal disorders; Infections and Discharges,Fistulae  
• Vulvar disorders; Infections, cysts, tumours  
• Diseases of breasts; Deformities, Infections, Cysts and Tumours  
• Menopause and Hormonal | Practice session  
Case  
Discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book/presentation  
Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| V    | 10         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery | Replacement Therapy  
- Infertility  
- Contraception; Types Methods, Risk and effectiveness  
Spacing Methods  
- Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, Terminal methods  
- Sterilization  
- Emergency Contraception methods  
- Abortion - Natural, Medical and surgical abortion - MTP Act  
- Toxic Shock Syndrome  
- Injuries and Trauma; Sexual violence  
Special therapies Nursing procedures Drugs used in treatment of gynaecological disorders National family welfare programme etc | Lecture discussion  
Explain using  
- Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions!  
Seminar  
Health education  
Supervised clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |

|   |   | Nursing management of patients with Burns, reconstructive and cosmetic surgery | Nursing management of patients with Burns, reconstructive and cosmetic surgery;  
- Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes  
Role of Nurse  
Legal aspects  
Rehabilitation  
Special therapies  
Q Psycho social aspects  
Nursing procedures  
Drugs used in treatment of Burns, | Drug book /presentation |
<table>
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<tr>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| VI   | 10         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology | Nursing management of patients with oncological conditions  
• Structure & characteristics of normal & cancer cells  
• Nursing Assessment-History and Physical assessment  
• Prevention, Screening, Early detection, Warning signs of cancer  
• Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions  
• Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast,Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc  
• Oncological emergences  
• Modalities of treatment  
• Immunotherapy  
• Chemotherapy  
• Radiotherapy  
• Surgical Interventions  
• Stem cell and Bone marrow transplants  
• Gene therapy  
• Other forms of treatment  
• Psychosocial aspects of cancer.  
• Rehabilitation | Lecture discussion  
Explain using  
Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case  
Discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book /presentation | Essay type  
Short answers  
Objective type  
Assessment of skills  
with check list  
Assessment of patient management problem |
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<tbody>
<tr>
<td>VII</td>
<td>10</td>
<td>Describe organization of emergency and disaster care services</td>
<td>Nursing management of patient in EMERGENCY &amp; DISASTER situations <strong>Disaster Nursing:</strong> Concepts and principles of Disaster Nursing Causes and Types of Disaster: Natural and Man-made Earthquakes, Floods, Epidemics, Cyclones Fire, Explosion, Accidents Violence, Terrorism; bio-chemical, War Policies related to emergency/disaster management; International, national, state, institutional Disaster preparedness: Team, Guidelines, protocols, Equipments, Resources Coordination and involvement of; Community, various govt. departments, non-Governement organizations and International agencies Role of nurse: working Legal Aspects of Disaster Nursing Impact on Health and after effects; Post Traumatic Stress Disorder Rehabilitation; physical, psychosocial, Financial, Relocation Emergency Nursing Concept, priorities, principles and Scope of emergency nursing</td>
<td>Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar education Supervised clinical practice Disaster management Drills Drug book /presentation</td>
<td>Essay type Short answers Objective type Assessment of skills with check list Assessment of patient Management problem</td>
</tr>
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<td>Unit</td>
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<tr>
<td>VIII</td>
<td>10</td>
<td>Explain the concept and problems of aging</td>
<td>Nursing care of the elderly <em>Nursing Assessment-History and Physical assessment of aging;</em> • Demography; Myths and realities • Concepts and theories of aging</td>
<td>Lecture discussion Explain using Charts, graphs Models, films, slides</td>
<td>Essay type Short answers Objective type Assessment</td>
</tr>
<tr>
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<td></td>
<td>Describe nursing care of the elderly</td>
<td>Cognitive Aspects of Aging Normal biological aging Age related body systems changes Psychosocial Aspects of Aging Medications and elderly Stress &amp; coping in older adults Common Health Problems &amp; Nursing Management; Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal Neurological, Skin and other</td>
<td>Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book presentation</td>
<td>of skills with check list Assessment of patient management problem</td>
</tr>
</tbody>
</table>

Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency Principles of emergency management Common Emergencies; Respiratory Emergencies Cardiac Emergencies Shock and Haemorrhage Pain Poly-Trauma, road accidents, crush injuries, wound Bites Poisoning: Food, Gas, Drugs & chemical poisoning Seizures Thermal Emergencies; Heat stroke & Cold injuries Pediatric Emergencies Psychiatric Emergencies Obstetrical Emergencies Violence, Abuse, Sexual assault Cardio Pulmonary Resuscitation Crisis Intervention Role of the nurse; Communication and Inter Personal Relations • Medico-Legal Aspects

VIII 10 Explain the concept and problems of aging Nursing care of the elderly Nursing Assessment-History and Physical assessment of aging; Demography; Myths and realities Concepts and theories of aging |

Describe nursing care of the elderly Cognitive Aspects of Aging Normal biological aging Age related body systems changes Psychosocial Aspects of Aging Medications and elderly Stress & coping in older adults Common Health Problems & Nursing Management; Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal Neurological, Skin and other | Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book presentation | of skills with check list Assessment of patient management problem |

VIII 10 Explain the concept and problems of aging Nursing care of the elderly Nursing Assessment-History and Physical assessment of aging; Demography; Myths and realities Concepts and theories of aging |

Describe nursing care of the elderly Cognitive Aspects of Aging Normal biological aging Age related body systems changes Psychosocial Aspects of Aging Medications and elderly Stress & coping in older adults Common Health Problems & Nursing Management; Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal Neurological, Skin and other | Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book presentation | of skills with check list Assessment of patient management problem |
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<th>Time (Hrs)</th>
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</tr>
</thead>
</table>
| IX   | 10         | Describe organization of critical care units | Sensory organs  
Psychosocial and Sexual  
Abuse of elderly  
Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual  
Role of nurse for caregivers of elderly  
Role of family and formal and non formal caregivers  
Use of aids and prosthesis (hearing aids, dentures, Legal & Ethical Issues  
Provisions and Programmes for elderly; privileges, Community Programs and health services; Home and institutional care  
Nursing management of patient in critical care units  
• Nursing Assessment-History and Physical assessment  
• Classification  
• Principles of critical care nursing  
• Organization; Physical setup, Policies, staffing norms,  
• Protocols, equipment and supplies  
• Special equipments; ventilators, cardiac monitors, defibrillator,  
• Resuscitation equipments  
• Infection Control Protocols | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Role plays  
Counseling  
Practice session  
Case discussions/ Seminar | Assessment of patient management problem  
Essay type  
Short answers  
Objective type  
Assessment of skills with check list |
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<tr>
<td></td>
<td>8</td>
<td>Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder</td>
<td>Nursing management of critically ill patient; Monitoring of critically ill patient CPR-Advance Cardiac Life support Treatments and procedures. Transitional care Ethical and Legal Aspects Communication with patient and family Intensive care records Crisis Intervention Death and Dying-coping with Drugs used in critical</td>
<td>Health education Supervised clinical practice Drug book / presentation</td>
<td></td>
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<tr>
<td>X</td>
<td>8</td>
<td>Nursing management of patients adults including elderly with Occupational and Industrial Disorders</td>
<td>Nursing Assessment-History and Physical assessment Etiology. Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of occupational and industrial health disorders Role of nurse Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational and Industrial disorders</td>
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</tbody>
</table>

**Prescribed Internal Assessment Weightage:**

- **Internal Assessment**
  - Term Test - 30
  - Assignment - 20


Medical Surgical Nursing

Recommended Books:

1. Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010, LWW
2. Black – Medical Surgical Nursing, 2009, Elsevier
4. Lewis – Medical Surgical Nursing, 2008, Elsevier

Reference Books:

1. Davidson’s Principles & Practice of Medicine, 2010, Elsevier
3. Timby – Introductory Medical Surgical Nursing, 2009, WK
4. Das – Textbook of Surgery, SD Publishers
5. Woods – Cardiac Nursing, 2010, LWW
7. Morton – Critical Care Nursing, 2009, LWW
8. Thelan’s Critical care Nursing, 2008, Elsevier
9. Spring House – Medical Surgical Nursing Made Incredibly Easy, 2008, LWW
11. Carpenito – Nursing Care Plans & Documentation, 2009, LWW
12. Carlpenito – Nursing Diagnosis, 2009, LWW
# Medical Surgical Nursing (Adult including Geriatrics) - II
## Practical

**Placement:** Third Year  
**Time:** Theory - 120hrs  
Practical - 300 hrs  
Internship - 430 hrs

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| ENT         | 30 hrs            | Provide care to patients with ENT disorders  
Counsel and educate patient and families | Perform examination of ear, nose and throat  
Assist with diagnostic procedures  
Assist with therapeutic procedures  
Instillation of drops  
Perform/assist with irrigations.  
Apply ear bandage  
Perform tracheotomy care  
Teach patients and families | Provide care to 2-3 assigned patients  
Nursing care plan — I  
Observation reports of OPD  
Maintain drug book. | Assess each skill with checklist  
Assess performance with rating scale  
Evaluation of observation report of OPD  
Completion of activity record |
| Ophthalmology | 30 hours          | Provide care to patients with Eye disorders  
Counsel and educate patient and families | Perform examination of eye  
Assist with diagnostic procedures  
Assist with therapeutic procedures  
Perform/assist with irrigations.  
Apply eye bandage  
Apply eye drops! ointments  
Assist with foreign body removal.  
Teach patients and families | Provide care to 2-3 assigned patients  
Nursing care plan — I  
Observation reports of OPD & Eye bank  
Maintain drug book | Assess each skill with checklist  
Assess performance with rating scale  
Evaluation of observation report of OPD/Eye bank  
Completion of activity record |
<table>
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<tr>
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<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
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</thead>
<tbody>
<tr>
<td>Neurology</td>
<td>60 hours</td>
<td>Provide care to patients with neurological disorders. Counsel and educate patient and families</td>
<td>Perform Neurological Examination Use Glasgow coma scale Assist with diagnostic procedures Assist with therapeutic procedures Teach patients &amp; families Participate in rehabilitation program</td>
<td>Provide care to assigned 2-patients with neurological disorders. Case study/Case presentation- Maintains drug book Health Teaching- I</td>
<td>Assess each skill with checklist Assess performance with rating scale 3. Evaluation of case study &amp; health teaching Completion of activity record</td>
</tr>
<tr>
<td>Gynecology ward</td>
<td>30 hours</td>
<td>Provide care to patients with gynecological disorders. Counsel and educate patient and families</td>
<td>Assist with gynecological Examination Assist with diagnostic procedures: Assist with therapeutic procedures Teach patients families Teaching self Breast Examination. Assist with PAP smear collection.</td>
<td>Provide care to 2-3 assigned patients Nursing care plan— i Maintain drug book</td>
<td>Assess each skill with checklist Assess performance with rating scale Evaluation of care plan Completion of activity record</td>
</tr>
<tr>
<td>Burns Unit</td>
<td>25 hours</td>
<td>Provide care to patients with Burns Counsel and educate patient and families</td>
<td>Assessment of the burns patient Percentage of burns Degree of burns. Fluid &amp; electrolyte replacement therapy Assess Calculate Replace Record intake/output Care of Burn wounds</td>
<td>Provide care to 1-2 assigned patients Nursing care plan -1 Observation report of Burns unit</td>
<td>Assess each skill with checklist Assess performance with rating scale Evaluation of care plan an observation report Completion of activity record</td>
</tr>
<tr>
<td>Areas</td>
<td>Duration in hours</td>
<td>Objectives</td>
<td>Skills</td>
<td>Assignments</td>
<td>Assessment methods</td>
</tr>
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</tr>
<tr>
<td>Oncology Unit</td>
<td>50 hours</td>
<td>Provide care to patients with cancer</td>
<td>Screen for common cancers-TNM Classification Assist with diagnostic Procedures Biopsies Pap smear Bone-marrow aspiration Breast examination Assist with therapeutic procedures Participates in various modalities of treatment • Chemotherapy • Radiotherapy • Pain management Stoma therapy • Hormonal therapy Immunotherapy • Gene therapy • Alternative therapy Participate in palliative care Counsel and teach patients families</td>
<td>Provide care to 2-3 assigned patients Nursing care plan 1 Observation report of cancer unit</td>
<td>Assess each skill with checklist Assess performance with rating scale Evaluation of care plan and observation report Completion of activity record</td>
</tr>
<tr>
<td>Areas</td>
<td>Duration in hours</td>
<td>Objectives</td>
<td>Skills</td>
<td>Assignments</td>
<td>Assessment methods</td>
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</tr>
<tr>
<td>Critical care unit</td>
<td>50 hours</td>
<td>Provide care to critically ill patients</td>
<td>Chest physiotherapy</td>
<td>Provide care to I assigned patient</td>
<td>Assess each skill with checklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Counsel patient and families for grief and bereavement</td>
<td>Perform active &amp; passive exercises</td>
<td>Observation report of Critical care unit</td>
<td>Assess performance with rating scale</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Monitoring of patients in ICU</td>
<td>Drugs book.</td>
<td>Evaluation of observation report</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Maintain flow sheet</td>
<td></td>
<td>Completion of activity record</td>
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<tr>
<td></td>
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<td></td>
<td>Care of patient on ventilators</td>
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<td>Perform Endotracheal suction</td>
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<td>- Demonstrates use of ventilators, cardiac monitors etc.</td>
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<td>Collect specimens and interprets ABG analysis</td>
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<td>Assist with arterial puncture</td>
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<td>Maintain CVP line</td>
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<td></td>
<td>Pulse oximetry</td>
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<td>CPR-ALS</td>
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<td>Defibrillator</td>
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<td>Pace makers</td>
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<td>Bag-mask ventilation</td>
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<td>Emergency tray/ Crash Cart</td>
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<td>Administration of drugs</td>
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<td>• Infusion pump</td>
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<td>• Epidural</td>
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<td>Intrathecal</td>
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<td>Intra cardiac</td>
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<td>Total parenteral therapy</td>
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<th>Areas</th>
<th>Duration in weeks</th>
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<th>Skills</th>
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<tr>
<td></td>
<td></td>
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<td>Chest physiotherapy</td>
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<td>Perform active &amp; passive exercises</td>
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<td></td>
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<td></td>
<td>Counsel the patient and family in dealing with grieving and bereavement</td>
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</tbody>
</table>
### Casualty! Emergency

- **25 hours**
  - Provide care to patients in emergency and disaster situation
  - Counsel patient and families for grief and bereavement
  - Practice triage
  - Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations
  - Assist in documentations
  - Assist in legal procedures in emergency unit
  - Participate in managing crowd
  - Counsel patient and families in grief and bereavement

### Observation report of Emergency unit

- Assess performance with rating scale
- Evaluation of observation report
- Completion of activity record

### Placement: Internship (weeks)

<table>
<thead>
<tr>
<th>Placement</th>
<th>Duration</th>
<th>Task Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Ward</td>
<td>2</td>
<td>Provide comprehensive care to patients with medical and surgical conditions including emergencies</td>
</tr>
<tr>
<td>Surgical Ward</td>
<td>2</td>
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<tr>
<td>Critical care unit</td>
<td>1</td>
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<td>ICCU</td>
<td>1</td>
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</tr>
<tr>
<td>Casualty/Emergency</td>
<td>2</td>
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<tr>
<td>Operation Theatre</td>
<td>2</td>
<td>Assist with common operations</td>
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<tr>
<td>(Eye, ENT, Neuro)</td>
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</tbody>
</table>

### Prescribed Internal Assessment Weightage:

**Internal Assessment**: Practical Examination 25

- Clinical Evaluation 10
- Care Study 5
- Practical Record 5
- Observational Visit 5

Assess clinical performance with rating scale
Child Health Nursing

Placement: Third year
Time: Theory - 100 hours
Practical - 300 hours
Internship 145 hours

Course Description:

This course is designed for developing an understanding of the modern approach to child- care, identification, prevention and nursing management of common health problems of neonates and children.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
<tbody>
<tr>
<td>I</td>
<td>10</td>
<td>Explain the modern concept of childcare &amp; principles of child health nursing Describe national policy programs and legislation in relation to child health and welfare. List major causes of death during infancy, early &amp; late childhood Describe the major functions and role of the paediatric nurse in caring for a hospitalized child. Describe the principles of child health nursing</td>
<td><strong>Introduction</strong> &lt;br&gt; <strong>Modern concepts of childcare</strong> &lt;br&gt; Internationally accepted rights of the Child &lt;br&gt; National policy and legislation in relation to child health and welfare &lt;br&gt; National programmes related to child health and welfare &lt;br&gt; Agencies related to welfare services to the children &lt;br&gt; Changing trends in hospital care, preventive, promotive and curative aspects of child health. &lt;br&gt; Child morbidity and mortality rates. &lt;br&gt; Differences between an adult and child &lt;br&gt; Hospital environment for a sick child &lt;br&gt; Impact of hospitalization on the child and family. &lt;br&gt; Grief and bereavement &lt;br&gt; The role of a Child health nurse in caring for a hospitalized child &lt;br&gt; Principles of pre and post operative care of infants and children &lt;br&gt; Child health nursing procedures.</td>
<td>Lecture Discussion &lt;br&gt; Demonstration of common paediatric procedures</td>
<td>Short answers &lt;br&gt; Objective type &lt;br&gt; Assessment of skills with checklist</td>
</tr>
<tr>
<td>II</td>
<td>20</td>
<td>Describe the healthy child</td>
<td></td>
<td>Lecture Discussion</td>
<td>Short answers</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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</table>
|      |            | normal growth & development of children at different ages | • Principles of growth and development  
• Factors affecting growth & development  
• Growth and development from birth to adolescence  
• The needs of normal children through the stages of developmental and parental guidance  
• Nutritional needs of children & infants: breast feeding, exclusive breast feeding supplementary! artificial feeding and weaning,  
Baby friendly hospital concept  
Accidents: causes and prevention  
Value of play and selection of play material  
Preventive immunization, immunization programme and cold chain  
Preventive paediatrics  
Care of under five & under five clinics/ well baby clinics | Developmental study of infant and children  
Observation study of normal and sick child  
Field visit to Anganwadi, child guidance clinic  
Film show on breast feeding  
Clinical practice/field | Objective type  
Assessment of field visits and developmental study reports |
| III  | 12         | Provide care to normal & high risk neonates  
Perform neonatal resuscitation. Recognize and manage common neonatal problems | Nursing care of a neonate  
Nursing care of a normal newborn/ Essential newborn care  
Neonatal resuscitation  
Nursing management of a low birth weight baby  
Kangaroo mother care  
Nursing management of common neonatal disorders Organization of neonatal unit. Identification & nursing management of common congenital malformations. | Lecture Discussion  
Workshop on - neonatal resuscitation  
Demonstration  
Practice session  
Clinical practice | Short answers  
Objective type  
Assessment of skills with checklist |
<p>| IV   | 08         | Integrated management of neonatal and childhood illnesses (IMNCI) | | | |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>43</td>
<td>Identify measures to prevent common childhood diseases including immunization</td>
<td>Nursing management in common childhood diseases</td>
<td>Lecture Discussion Demonstration Practice session Clinical practice</td>
<td>Objective type Assessment of skills with checklist Short answers</td>
</tr>
<tr>
<td>VI</td>
<td>07</td>
<td>Manage the child with behavioral social problems Identify the social &amp; welfare services for challenged children</td>
<td>Management of behavioral &amp; social problems in children • Management of common behavioral disorders • Management of common psychiatric problems • Management of challenged children: Mentally, Physically, &amp; Socially challenged • Welfare services for challenged children in India. Child guidance clinics</td>
<td>Lecture discussion Field visits to child guidance clinics, school for mentally &amp; physically, socially challenged</td>
<td>Short answers Objective type Assessment of field Reports</td>
</tr>
</tbody>
</table>
**Prescribed Internal Assessment Weightage:**

*Internal Assessment : Theory - 30  
Assignment- 20*

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**Pediatric Nursing**

**Recommended Books:**

4. Potts – Pediatric Nursing, 2007, Thomson Learning
5. Bowden – Pediatric Nursing Procedure, 2009, LWW

**Reference Books:**

2. Ricci – Maternal & pediatric nursing, 2009, LWW
3. Hatfield – Broadribb’s Introductory Pediatric Nursing, 2007, LWW
4. Lakshmana’s – Clinical Pediatrics, Lakshmana Publications
5. Bowden – Children and Their Families, 2010, LWW
8. Avery’s Neonatology, 2006, LWW
9. Fleisher – Pediatric emergency Medicine, 2006,
# Child Health Nursing Practical

**Placement: Third Year**  
**Time: 300 hrs (9 weeks)**

**Fourth Year**  
**Internship- 145 hrs (3 weeks)**

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| Paediatric Medicine Ward      | 120 hours         | Provide nursing care to children with various medical disorders  
|                               |                   | Counsel and educate parents.                                                                                                                | Taking Paediatric History’  
|                               |                   | Physical examination and assessment of children  
|                               |                   | Administer of oral, J/M & IV medicine/fluuids  
|                               |                   | Calculation of fluid requirements  
|                               |                   | Prepare different strengths of I. V. fluids  
|                               |                   | Apply restraints  
|                               |                   | Administer 02 inhalation by different methods  
|                               |                   | Give baby bath  
|                               |                   | Feed children by Katori spoon, etc.  
|                               |                   | Collect specimens for common investigations  
|                               |                   | Assist with common diagnostic procedures  
|                               |                   | Teach mothers/parents  
|                               |                   | Malnutrition Oral rehydration therapy  
|                               |                   | • Feeding & Weaning Immunization schedule  
|                               |                   | • Play therapy  
|                               |                   | • Specific Disease conditions  
|                               |                   | Give care to three assigned paediatric patients  
|                               |                   | Nursing Care Plan -I  
|                               |                   | Case study/ presentation - I  
|                               |                   | Health Talk -I  
|                               |                   | Assess clinical performance with rating scale  
|                               |                   | Assess each skill with checklist  
|                               |                   | OSCE/OSPE Evaluation of case study! presentation and Health education session  
|                               |                   | Completion of activity record.  
| Pediatri c Surgery Ward        | 90 hrs            | Recognize different pediatric surgical conditions/ Malformations  
|                               |                   | Provide pre and post operative care  
|                               |                   | Calculate, prepare and administer I/V fluids  
|                               |                   | • bowel wash  
|                               |                   | Care for ostomies:  
|                               |                   | • Colostomy irrigation  
|                               |                   | Ureterostomy  
|                               |                   | u Gastrostomy  
|                               |                   | Enteroctomy  
|                               |                   | Urinary catheterization and drainage  
|                               |                   | Give care to three assigned paediatric surgical patients  
|                               |                   | Nursing Care Plan - I  
|                               |                   | Case study / Presentation - 1  
|                               |                   | Assess clinical performance with rating scale  
|                               |                   | Assess each skill with checklist  
|                               |                   | OSCE/OSPE Evaluation of case study!  


<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pediatric medicine ward/ICU</td>
<td>1 week</td>
<td>Provide comprehensive care to children with medical conditions</td>
<td>Integrated Practice</td>
<td></td>
<td>Assess clinical performance with rating scale</td>
</tr>
<tr>
<td>NICU/Nursery – 30 hours</td>
<td></td>
<td>Perform nursing care to critically ill children</td>
<td></td>
<td></td>
<td>Completion of activity record</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Give Immunization</td>
<td></td>
<td></td>
<td>Completion of activity record</td>
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<tr>
<td></td>
<td></td>
<td>Give Health Education / Nutritional Education</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Intensive care setting (Surgery)</td>
<td>Surgery - 30 hours</td>
<td>Provide care to critically ill children</td>
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<tr>
<td></td>
<td>NICU/Nursery – 30 hours</td>
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**Internship**

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in weeks</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pediatric medicine ward/ICU</td>
<td>1 week</td>
<td>Provide comprehensive care to children with medical conditions</td>
<td>Integrated Practice</td>
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<td>Assess clinical performance with rating scale</td>
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<tr>
<td>Pediatric</td>
<td>1 week</td>
<td>Provide</td>
<td>Integrated Practice</td>
<td></td>
<td>Assess clinical performance with rating scale</td>
</tr>
</tbody>
</table>

Presentation Completion of activity record.
<table>
<thead>
<tr>
<th>Surgery ward/ICU</th>
<th>comprehensive care to children with surgical conditions</th>
<th>performance with rating scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>NICU</td>
<td>1 Provide intensive care to neonates</td>
<td>Integrated Practice</td>
</tr>
</tbody>
</table>

**Prescribed Internal Assessment Weightage:**

**Internal Assessment** :  
- Practical Examination  25
- Clinical Evaluation  10
- Care Study  5
- Practical Record  5
- Observational Visit  5
Mental Health Nursing

Placement: Third Year

Theory — 100 Hours
Practical — 300 Hours
Internship- 95 hours (2 weeks)

Course Description:

This course is designed for developing an understanding of the modern approach to mental health, identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| 1    | 5          | Describes the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems Describe the National Mental Health Act, programmes and mental health policy Discusses the scope of mental health nursing Describe the concept of normal & abnormal behaviour | **Introduction**  
- Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatments and nursing practices.  
- Prevalence and incidence of mental health problems and disorders.  
- Mental Health Act  
- National Mental health policy vis a vis National Health Policy  
- National Mental Health programme  
- Mental health team  
- Nature and scope of mental health nursing  
- Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice  
- Concepts of normal and abnormal behaviour | Lecture Discussion | Objective type  
Short answer  
Assessment of the field visit reports |
| 2    | 7          | Defines the various terms used in mental health Nursing | **Principles and Concepts of Mental Health Nursing**  
Definition: mental health nursing and terminology used  
Classification of mental disorders: ICD | Lecture discussion  
Explain using Charts  
Review of personality development | Essay type  
Short answer  
Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Explains the classification of mental disorders</td>
<td>Review of personality development, defense mechanisms Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s) Etiology: bio-psycho-social factors Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission Principles of Mental health Nursing Standards of Mental health Nursing practice Conceptual models and the role of nurse: • Existential Model • Psycho-analytical models • Behavioural model • Interpersonal model</td>
<td>Lecture discussion Demonstration Practice session Clinical practice</td>
<td>Short answer Objective type Assessment of skills with check list</td>
</tr>
<tr>
<td>III</td>
<td>8</td>
<td>Describe nature, purpose and process of assessment of mental health status</td>
<td>Assessment of mental health status • History taking • Mental status examination • Mini mental status examination • Neurological examination: Review • Investigations: Related Blood chemistry, EEG, CT &amp; MRI • Psychological tests Role and responsibilities of nurse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV</td>
<td>8</td>
<td>Identify therapeutic communication techniques Describe therapeutic relationship Describe therapeutic impasse and its</td>
<td>Therapeutic communication and nurse-patient relationship • Therapeutic communication: Types, techniques, characteristics Types of relationship, Ethics and responsibilities Elements of nurse patient contract Review of technique of IPR-Johari Window Goals, phases, tasks, therapeutic techniques Therapeutic impasse and its</td>
<td>Lecture discussion Demonstration Role play Process recording</td>
<td>Short answer Objective Type</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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<tr>
<td>V</td>
<td>15</td>
<td>Explain treatment modalities and therapies used in mental disorders and role of the nurse</td>
<td>Treatment modalities and therapies used in mental disorders  • Psycho Pharmacology  • Psychological therapies: Therapeutic community, psycho therapy-Individual: psycho-analytical, cognitive and supportive, Family, Group, Behavioural, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback  • Alternative systems of medicine  • Occupational therapy  • Physical Therapy: electro convulsive therapy  • Geriatric considerations  Role of nurse in above therapies</td>
<td>Lecture discussion Group work Practice session Clinical practice</td>
<td>Essay type Short answers Objective Type</td>
</tr>
<tr>
<td>VI</td>
<td>7</td>
<td>Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders</td>
<td>Nursing management of patient with Schizophrenia, and other psychotic disorders  Classification: ICD  Etiology, psycho-pathology, types, clinical manifestations, diagnosis  Nursing Assessment-History, Physical and mental assessment  Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders  Geriatric considerations  Follow-up and home care and Rehabilitation</td>
<td>Lecture discussion Case discussion Case presentation Clinical practice</td>
<td>Essay type Short answers Assessment of patient management problems.</td>
</tr>
<tr>
<td>VII</td>
<td>5</td>
<td>Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients</td>
<td>Nursing management of patient with mood disorders  • Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc  • Etiology, psycho-pathology, clinical manifestations, diagnosis,  • Nursing Assessment-History, Physical and mental assessment</td>
<td>Lecture discussion Case discussion Case presentation Clinical practice</td>
<td>Essay type Short answers Assessment of patient management problems</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
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<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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</table>
| VIII | 8          | Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders | **Nursing management of patient with neurotic, stress related and somatization disorders**  
Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder  
Etiology, psycho-pathology, clinical manifestations, diagnosis  
Nursing Assessment-History, Physical and mental assessment  
Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders  
Geriatric considerations  
Follow-up and home care and rehabilitation | Lecture discussion  
Case discussion  
Case presentation  
Clinical practice | Essay type  
Short answers  
Assessment of patient management problems |
| IX   | 5          | Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders | **Nursing management of patient with Substance use disorders**  
Commonly, used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal  
Treatment (detoxification, anti abuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders  
Geriatric considerations  
Follow-up and home care and rehabilitation | Lecture discussion  
Case discussion  
Case presentation  
Clinical practice | Essay type  
Short answers  
Assessment of patient management problems |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| X    | 4          | Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders | **Nursing management of patient with Personality, Sexual and Eating disorders**  
• Classification of disorders  
• Etiology, psycho-pathology, characteristics, diagnosis,  
• Nursing Assessment-History, Physical and mental assessment  
• Treatment modalities and nursing management of patients with Personality, Sexual and Eating disorders  
• Geriatric considerations  
• Follow-up and home care and rehabilitation | Lecture discussion  
Case discussion  
Case presentation  
Clinical practice | Essay type  
Short answers  
Assessment of patient management Problems |
| XI   | 8          | Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency | **Nursing management of childhood and adolescent disorders including mental deficiency**  
Classification Etiology, psycho-pathology, characteristics, diagnosis  
Nursing Assessment-History, Physical, mental and IQ assessment  
Treatment modalities and nursing management of childhood disorders including mental deficiency  
Follow-up and home care and rehabilitation | Lecture discussion  
Case discussion  
Case presentation | Essay type  
Short answers  
Assessment of patient |
| XII  | 5          | Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of organic brain disorders. | **Nursing management of organic brain disorders**  
• Classification: ICD?  
• Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis (parkinsons and alzheimers)  
• Nursing Assessment-Fistory, Physical, mental and neurological assessment  
• Treatment modalities and nursing management of organic brain disorders  
• Geriatric considerations  
• Follow-up and home care and rehabilitation | Lecture discussion  
Case discussion  
Case presentation  
Clinical practice | Essay type  
Short answers  
Assessment of patient management problems |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>XIII</td>
<td>6</td>
<td>Identify psychiatric emergencies and carry out crisis intervention</td>
<td><strong>Psychiatric emergencies and crisis intervention</strong>&lt;br&gt;Types of psychiatric emergencies and their management&lt;br&gt;Stress adaptation Model: stress and stressor, coping, resources and mechanism&lt;br&gt;Grief: Theories of grieving process, principles, techniques of counseling&lt;br&gt;Types of crisis&lt;br&gt;Crisis Intervention: Principles, Techniques and Process&lt;br&gt;Geriatric considerations&lt;br&gt;Role and responsibilities of nurse</td>
<td>Lecture discussion&lt;br&gt;Demonstration&lt;br&gt;Practice session&lt;br&gt;Clinical practice</td>
<td>Short answers Objective type</td>
</tr>
<tr>
<td>XIV</td>
<td>4</td>
<td>Explain legal aspects applied in mental health settings and role of the nurse</td>
<td><strong>Legal issues in Mental Health Nursing</strong>&lt;br&gt;• The Mental Health Act 1987: Act, Sections, Articles and their implications etc.&lt;br&gt;• Indian Lunacy Act 1912&lt;br&gt;• Rights of mentally ill clients&lt;br&gt;• Forensic psychiatry&lt;br&gt;• Acts related to narcotic and psychotropic substances and illegal drug trafficking&lt;br&gt;• Admission and discharge procedures&lt;br&gt;Role and responsibilities of nurse</td>
<td>Lecture discussion&lt;br&gt;Case discussion</td>
<td>Short answers Objective Type</td>
</tr>
<tr>
<td>XV</td>
<td>5</td>
<td>Describe the model of preventive psychiatry&lt;br&gt;Describe Community Mental health services and role of the nurse</td>
<td><strong>Community Mental Health Nursing</strong>&lt;br&gt;• Development of Community Mental Health Services:&lt;br&gt;• National Mental Health Programme&lt;br&gt;• Institutionalization Versus Deinstitutionalization&lt;br&gt;• Model of Preventive psychiatry: Levels of Prevention&lt;br&gt;• Mental Health Services available at the primary,</td>
<td>Lecture discussion&lt;br&gt;Clinical / field practice&lt;br&gt;Field visits to mental health service agencies</td>
<td>Short answers Objective type Assessment of the field visit reports</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
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<td>secondary, tertiary levels including rehabilitation and Role of nurse • Mental Health Agencies: Government and voluntary, National and International • Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV/AIDS etc.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Prescribed Internal Assessment Weightage:**

*Internal Assessment : Theory - 30 Assignment- 20*

**Psychiatric Nursing**

**Recommended Books:**

1. Townsend – Psychiatric Mental Health Nursing,2007,F.A.Davis
2. Shives – Basic Concepts in Psychiatric Mental Health Nursing,2007,LWW

**Reference Books:**

5. Lalitha - Psychiatric Mental Health Nursing ,VMG Publishers
# Mental Health Nursing-Practical

**Placement:** Third Year  
(10 weeks)  
**Time:** Practical - 300 hours  
**Internship:** 95 hours (2 weeks)

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychiatric OPD</td>
<td>30</td>
<td>Assess patients with mental health problems</td>
<td>History taking</td>
<td>History taking and Mental status examination- 2</td>
<td>Assess performance with rating scale</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Observe and assist in Therapies</td>
<td>Perform mental status examination (MSE)</td>
<td>Health education- 1</td>
<td>Assess each skill with checklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Counsel and educate patient, and families</td>
<td>Assist in Psychometric assessment</td>
<td>Observation report of OPD</td>
<td>Evaluation of health education</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Perform Neurological examination</td>
<td></td>
<td>Assessment of observation report</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Observe and assist in Therapies</td>
<td></td>
<td>Completion of activity record</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Teach patients and family members</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child Guidance clinic</td>
<td>60</td>
<td>Assessment of children with various mental health problems</td>
<td>History taking</td>
<td>Case work-1</td>
<td>Assess performance with rating scale</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Counsel and educate children, families and significant others</td>
<td>Assist in psychometric assessment</td>
<td>Observation report of different therapies-I</td>
<td>Assess each skill with checklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Perform Neurological examination</td>
<td></td>
<td>Evaluation of the observation report</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Observe and assist in various therapies</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Teach family and significant others</td>
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<tr>
<td>Inpatient ward</td>
<td>180</td>
<td>Assess patients with mental health problems</td>
<td>History taking</td>
<td>Give care to 2-3 patients with various mental disorders</td>
<td>Assess performance with rating scale</td>
</tr>
<tr>
<td></td>
<td></td>
<td>To provide nursing care for patients with various mental health problems</td>
<td>Perform mental status examination (MSE)</td>
<td>Case study- 1</td>
<td>Assess each skill with checklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assist in various therapies</td>
<td>Perform Neurological examination</td>
<td>Care plan -2</td>
<td>Evaluation of the case study, care plan, clinical presentation, process recording</td>
</tr>
<tr>
<td></td>
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<td>Assist in psychometric assessment</td>
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<td>Record therapeutic, communication</td>
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<td>Administer medications</td>
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<td>Assist in Electro-convulsive Therapy (ECT)</td>
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<td>Participate in all therapies</td>
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<td>Prepare patients for Activities of Daily</td>
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<tr>
<td>Areas</td>
<td>Duration in hours</td>
<td>Objectives</td>
<td>Skills</td>
<td>Assignments</td>
<td>Assessment methods</td>
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<tr>
<td>Community Psychiatry</td>
<td>30</td>
<td>To identify patients with various mental disorders</td>
<td>Conduct case work</td>
<td>Case work-l Observe ript on field visits</td>
<td>• Assess performance with rating scale</td>
</tr>
<tr>
<td></td>
<td></td>
<td>To motivate patients for early treatment and follow up</td>
<td>Identify individuals with mental health problems</td>
<td></td>
<td>• Evaluation of case work and observation report</td>
</tr>
<tr>
<td></td>
<td></td>
<td>To assist’ in follow up clinic</td>
<td>Assists in mental health camps and clinics</td>
<td></td>
<td>• Completion of activity record</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Counsel and educate patient, family and community</td>
<td>Counsel and Teach family members, patients and community</td>
<td></td>
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</tr>
<tr>
<td>Internship</td>
<td></td>
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</tr>
<tr>
<td>Psychiatry ward</td>
<td>2 weeks</td>
<td>Provide comprehensive care to patients with mental health problems</td>
<td>Integrated Practice</td>
<td></td>
<td>Assess clinical performance with rating scale</td>
</tr>
</tbody>
</table>

**Prescribed Internal Assessment Weightage:**

**Internal Assessment** : Practical Examination  
  
  - Clinical Evaluation 10
  - Care Study 5
  - Practical Record 5
  - Observational Visit 5
Midwifery and Obstetrical Nursing

Placement: Third year & Fourth year  Time: Theory -80 + 50 hours
Practical - 260+170 hours

Course Description:

This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5          | Recognize the trends and issues in midwifery and obstetrical nursing | **Introduction to midwifery and obstetrical Nursing**
Introduction to concepts of midwifery and obstetrical Nursing
Trends in midwifery and obstetrical nursing
Historical perspectives and current trends
Legal and ethical aspects
Preconception care and preparing for parenthood
Role of nurse in midwifery and obstetrical care.
National policy and legislation in relation to maternal health and welfare.
Maternal, morbidity, mortality and fertility rates
Perinatal, morbidity and mortality rates | Lecture discussion
Explain using Charts and graphs | Short answers
Objective type |
| II   | 10         | Describe the anatomy and physiology of female reproductive system | **Review of anatomy and physiology of female reproductive system and foetal development**
Female pelvis — general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape.
Female organs of reproduction - external genitalia, internal genital organs and their anatomical | Lecture discussion
Review with Charts and models | Short answers
Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| III  | 10         | Describe the diagnosis and management of women during antenatal period. | relations, musculature — blood-supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum.  
Physiology of menstrual cycle  
Human sexuality  
Foetal development  
Conception  
Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term — functions, abnormalities, the foetal sac, amniotic fluid, the umbilical chord,  
Foetal circulation, foetal skull, bones, sutures and measurements.  
Review of Genetics | Lecture discussion  
Demonstration  
Case discussion! presentation  
Health talk  
Practice session  
Counseling session  
Supervised Clinical practice | Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problems |

**Assessment and management of pregnancy (ante-natal)**  
- Normal pregnancy  
- Physiological changes during pregnancy.  
- Reproductive system  
- Cardio vascular system  
- Respiratory system  
- Urinary system  
- Gastro intestinal system  
- Metabolic changes  
- Skeletal changes  
- Skin changes  
- Endocrine system  
- Psychological changes  
- Discomforts of pregnancy  
- Diagnosis of pregnancy  
- Signs  
- Differential diagnosis  
- Confirmatory tests  
- Ante-natal care C Objectives  
- Assessment  
- History and physical examination  
- Antenatal Examination  
- Signs of previous child-birth
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| IV   | 15        | Describe the physiology and stages of labour. Describe the management of women during intra-natal period | **Assessment and management of intra-natal period,**  
- Physiology of labour, mechanism of labour  
- Management of labour. First stage  
- Signs and symptoms of onset of labour; normal and abnormal  
- Duration  
- Preparation of:  
- Labour room  
- Woman  
- Assessment and observation of women in labour; partogram-maternal and foetal monitoring | Lecture discussion  
Demonstration  
Case discussion! presentation  
Simulated practice  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problems |
<table>
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<tr>
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<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| V    | 15         | Describe the physiology of puerperium. | **Assessment and management of women during post natal period**  
- Normal puerperium; Physiology  
- Duration  
- Postnatal assessment and management  
- Promoting physical and emotional well-being  
- Lactation management  
- Immunization  

Lecture discussion  
Demonstration  
Health talk - Practice Session  
Supervised Clinical practice |
|     |            | Describe the management of women during post-natal period |  | | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment |
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<tbody>
<tr>
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<td></td>
<td>Family dynamics after child-birth, Family welfare services; methods, counseling Follow-up Records and reports</td>
<td>of patient management problems</td>
<td></td>
</tr>
</tbody>
</table>
| VI   | 10         | Describe the assessment and management of normal neonate | **Assessment and management of normal neonates**  
Normal Neonate;  
- Physiological adaptation,  
- Initial & Daily assessment  
- Essential newborn care; Thermal control,  
- Breast feeding, prevention of infections  
Immunization  
Minor disorders of newborn and its management Levels of Neonatal care (level I, II, & III)  
At primary, secondary and tertiary levels Maintenance of Reports and Records | Lecture discussion Demonstration Practice Session Supervised Clinical practice | Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems |
| VII  | 20         | Describe the Identification and management of women with high risk pregnancy | **High-risk pregnancy - assessment & management**  
• Screening and assessment  
- Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive,  
- Newer modalities of diagnosis  
• High-risk approach  
• Levels of care; primary, secondary and tertiary levels  
• Disorders of pregnancy  
- Hyper-emesis gravidurum, bleeding in early pregnancy, abortion, ectopic  
- Pregnancy, vesicular mole,  
- Ante-partum haemorrhage.  
• Uterine abnormality and displacement.  
• Diseases complicating pregnancy  
- Medical and surgical conditions  
- Infections, RTI (STD), UTI, HIV, TORCH | Lecture discussion Demonstrate using video films, scan reports, partograph etc Case discussion/presentation Health talk Practice Session Supervised Clinical practice | Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems |
<table>
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<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| VIII | 15         | Describe management of abnormal labour. And obstetrical emergencies | **Abnormal Labour - assessment and management**  
- Disorders in labour  
- CPD and contracted pelvis  
- Malpositions and malpresentations  
- Premature labour, disorders of uterine actions - precipitate labour, prolonged labour  
- Complications of third stage: injuries to birth canal  
- Obstetrical emergencies and their management;  
- Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock  
- Obstetrical procedures and operations;  
- Induction of labour, forceps, vacuum version, manual removal of placenta, cesarean section, destructive operations  
- Nursing management of women undergoing Obstetrical operations and procedures | Lecture discussion  
Demonstration  
Case discussion! presentation  
Practice Session  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with checklist. Assessment of patient management problems |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| IX   | 5          | Describe management of post natal complications | Abnormalities during Postnatal Periods  
Assessment and management of woman with postnatal complications  
Puerperal infections, breast engorgement & infections, thrombo-Embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution, Psychological complications: - Post partum Blues - Post partum Depression - Post partum Psychosis | Lecture discussion  
Demonstration  
Case discussion presentation  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with checklist. Assessment of patient management problems |
| X    | 10         | Identify the high risk neonates and their nursing management | Assessment and management of High risk newborn  
• Admission of neonates in the neonatal intensive care units-protocols  
Nursing management of: - Low birth weight babies - Infections - Respiratory problems - haemolytic disorders - Birth injuries - Malformations  
• Monitoring of high risk neonates  
• Feeding of high risk neonates  
• Organization and management of neonatal intensive care units  
• Infection control in neonatal intensive care units  
• Maintenance of reports and records | Lecture discussion  
Demonstration  
-Practice session  
Case discussion presentation  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with checklist. Assessment of patient management problems |
| XI   | 5          | Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers | Pharmaco-therapeutics in obstetrics  
Indication, dosage, action, contra indication and side effects of drugs  
Effect of drugs on pregnancy, labour & puerperium, Nursing responsibilities in the administration of drug in Obstetrics - oxytocins, antihypertensives, diuretics, tocolytic agents, anti convulsants; Analgesics and anesthetics in | Lecture discussion  
Drug book  
Drug presentation | Short answers  
Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>XII</td>
<td>10</td>
<td>Appreciate the importance of family welfare programme</td>
<td>Obstetrics. Effects of maternal medication on foetus and neonate</td>
<td>Lecture discussion, Demonstration, Practice session, Supervised practice Group project, Counseling session, Field visits</td>
<td>Essay type, Short answers, Objective type, Assessment of skills with check list, project and field visits reports</td>
</tr>
</tbody>
</table>
|      |            | Describe the methods of contraception and role of nurse in family welfare programme | Family Welfare Programme  
• Population trends and problems in India  
• Concepts, aims, importance and history of family welfare programme  
• National Population: dynamics, policy and education  
• National family welfare programme; RCH, ICDS, MCH. Safe motherhood  
• Organization and administration; at national, state, district, block and village levels  
• Methods of contraception; spacing, temporary and permanent, Emergency contraception  
• Infertility and its management  
• Counseling for family welfare  
• Latest research in contraception  
• Maintenance of vital statistics  
• Role of national, international and voluntary organizations  
• Role of a nurse in family welfare programme  
• Training / Supervision / Collaboration with other functionaries in community like ANMs, LHV’s, Anganwadi workers, TBAs (Traditional birth attendant - Dai) |
MIDWIFERY & OBSTETRICAL NURSING:

Recommended Books:

1.) Myle’s Textbook for Midwives, 2008, Elsevier
2.) Reeder & Martin – Maternity Nursing, Lippincott

Reference Books:

1. Orshan – Maternity Nursing, 2009, LWW
5. Berek - Novak’s Gynecology, 2008, LWW
7. Dutta – Obstetrics, NCBA
# Midwifery and Obstetrical Nursing- Practical

**Placement: Third Year & Fourth year**  
**Practical: 260 hours (Third year)**  
**170 hours (Fourth year)**

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| Antenatal clinic/OPD         | 60 hours          | Assessment of pregnant women                        | Antenatal history taking, Physical examination, Recording of Weight & B.P, Hb, & Urine testing for sugar and albumin, Antenatal examination - abdomen and breast, Immunization, Assessment of risk status, Teaching antenatal mothers, Maintenance of Antenatal records | *Conduct Antenatal Examinations 30*  
Health talk - 1 Case book recordings | Verification of findings of Antenatal examinations, Completion of casebook recordings |
| Labour room O.T.            | 150 hours         | Assess woman in labour, Carry out per-vaginal examinations, Conduct normal deliveries, Perform episiotomy and suture it, Resuscitate newborns, Assist with Cesarean Sections, | Assessment of Woman in labour, Per vaginal examinations and interpretation, Monitoring and caring of woman in labour, Maintenance of partograph, Conduct normal delivery, Newborn assessment and immediate care, Resuscitation of newborns | *Conduct normal deliveries - 20*  
*Per vaginal examinations 5*  
*Perform and Suture the episiotomies - 5*  
*Resuscitate newborns - 5*  
*Assist with Caesarean Sections - 2*  
*Witness abnormal deliveries - 5* | Assessment of clinical performance with rating scale, Assessment of each skill With checklists, Completion of Case book recordings |
<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTP and other surgical procedures</td>
<td></td>
<td>Assessment of risk status of newborn Episiotomy aid suturing Maintenance of labour and birth records Arrange for and assist with Cesarean section and care for woman &amp; baby during Cesarean Arrange for and assist with MTP and other surgical procedures</td>
<td>Assist with MTP and other Surgical procedures - Case book recordings</td>
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<tr>
<td>Post natal ward</td>
<td>120 hours</td>
<td>Provide nursing care to post natal mother and baby Counsel and teach mother and family for parenthood</td>
<td>Examination and assessment of mother and Baby Identification of deviations Care of postnatal mother and baby Perineal care Lactation. management Breast feeding Babybath Immunization, Teaching postnatal mother: Mother craft Post natal care &amp; Exercises Immunization</td>
<td>Case presentation - I Case book recordings *Give care to Post natal - mothers - 20 Health talks-I Case study —</td>
<td>Assessment of clinical performance Assessment of each skill With checklists Completion of Case book recording Evaluation of case study and presentation and health education sessions</td>
</tr>
<tr>
<td>Newborn nursery</td>
<td>70 hours</td>
<td>Provide nursing care to newborn at risk</td>
<td>Newborn assessment Admission of neonates Feeding of at neonates risk</td>
<td>Case study-1 Observation Study – I</td>
<td>Assessment of clinical performance Assessment of each skill With checklists Evaluation</td>
</tr>
<tr>
<td>Areas</td>
<td>Duration in hours</td>
<td>Objectives</td>
<td>Skills</td>
<td>Assignments</td>
<td>Assessment methods</td>
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</table>
| Family Planning Clinic| Rotation from postnatal ward – 30 hours | Counsel for and provide family welfare services | Counseling technique  
Insertion of IUD  
Teaching on use of family planning methods  
Arrange for and Assist with family planning operations  
Maintenance of records and reports | * IUD insertion-5  
Observation Study-i  
Counseling- 2  
Simulation exercise on recording and reporting - 1 | Assessment of each skill  
With checklists  
Evaluation of and observation study |
* Essential Requirements for registration as midwife

* Antenatal examination 30
* Conducting normal deliveries in Hospital/home/health centre 20
* Vaginal Examination 5
* Episiotomy and suturing 5
* Neonatal resuscitation 5
* Assist with Cesarean Section 2
* Witness/Assist abnormal deliveries 5
* Postnatal cases nursed in hospital/home/health centre 20
* Insertion of IUD 5

Note: All casebooks must be certified by teacher on completion of essential requirements

**Internship Obstetrical Nursing**

Duration- 5 weeks

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in weeks</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labour Ward</td>
<td>2</td>
<td>Provide comprehensive care to mothers and neonates</td>
<td>integrated Practice</td>
<td>Completion of other essential requirements</td>
<td>Assess clinical performance with rating scale</td>
</tr>
<tr>
<td>Neonatal intensive care unit NICU</td>
<td>1</td>
<td></td>
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<td>Case book recordings</td>
<td>Completion of case book recordings</td>
</tr>
<tr>
<td>Antenatal</td>
<td>2</td>
<td></td>
<td></td>
<td>Completion of case book recordings</td>
<td></td>
</tr>
</tbody>
</table>

**Prescribed Internal Assessment Weightage:**

**Internal Assessment : Practical Examination**

Clinical Evaluation 10
Care Study/Case book 5
Practical Record 5
Observational Visit 5
Community Health Nursing-II

Placement: Fourth year

Time: Theory - 90 hours
Practical - 140 hours

Course description:

This course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by using concept and principles of health and community health nursing.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 4          | Define concepts, scope, principles and historical development of Community Health and community health Nursing | **Introduction**  
- Definition, concept & scope of Community Health and Community Health Nursing  
- Historical development of Community health  
- Community health Nursing  
- Pre-independence  
- Post-independence | Lecture discussion | Essay type  
Short answers |
| II   | 6          | Describe health plans, policies, various health committees and health problems in India | **Health planning and policies and problems**  
- National health planning in India-Five Year Plans  
- Various committees and commissions on health and family welfare  
- Central council for health and family welfare (CCH and FW)  
- National population policy  
- Health problems in India | Lecture discussion  
Panel discussion | Essay type  
Short answers |
| III  | 15         | Describe the system of delivery of community health services in rural and urban areas | **Delivery of community health services**  
Planning, budgeting and material management of SCs, PHC and, CHC  
Rural: Organization, staffing and functions of rural health services provided by government at: | Lecture discussion  
Visits to various health delivery systems  
Supervised field practice | Essay type  
Short answers |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
|      |            | List the functions of various levels and their staffing pattern | • Village  
• Sub centre  
• Primary health centre  
• Community health center / sub divisional  
• Hospitals  
• District  
• State  
• Center  
• Urban: Organization, staffing and functions of urban health services provided by government at:  
• Slums  
• Dispensaries  
• Maternal and child health centers  
• Special Clinics • Hospitals  
• Corporation / Municipality / Board  
• Components of health services  
• Environmental sanitation  
• Health education  
• Vital statistics  
• M.C.H.-antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act  
• Family Welfare  
• National health programmes  
• School health services  
• Occupational health  
• Defence services  
• Institutional services  
• Systems of medicine and health care  
• Allopathy  
• Indian System of Medicine and Homeopathy  
• Alternative health care systems like yoga, meditation, social and spiritual healing etc  
• Referral system | ➢ |
<table>
<thead>
<tr>
<th>Unit</th>
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</tr>
</thead>
</table>
| IV   | 25         | Describe Community health Nursing approaches and concepts Describe the roles and responsibilities of Community health nursing personnel | **Community health nursing approaches, concepts and roles and responsibilities of nursing personnel**  
- Approaches  
- Nursing theories And Nursing process  
- Epidemiological approach  
- Problem solving approach  
- Evidence based approach  
- Empowering people to care for themselves  
- Concepts of Primary Health Care:  
  - Equitable distribution  
  - Community participation  
  - Focus on prevention  
  - Use of appropriate technology  
  - Multi-sectoral approach  
  - Roles and responsibilities of Community health nursing personnel in  
    - Family health services  
    - Information Education Communication (IEC)  
    - Management Information System (Mis): Maintenance of Records & reports  
    - Training arid supervision of various categories of health workers  
    - National Health Programmes  
    - Environmental sanitation  
    - Maternal and child health and Family welfare  
    - Treatment of Minor ailments  
    - School Health Services  
    - Occupational Health  
    - Organization of clinics, camps: Types, Preparation, planning, conduct and evaluation  
    - Waste management in the center, clinics etc.  
    - Home visit: Concept, Principles, Process, Techniques: Bag technique home visit  
    - Qualities of Community Health Nurse | Lecture discussion  
Demonstration  
Practice session  
Supervised field practice  
Participation in camps  
Group Project | Essay type  
Short answers |
<table>
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<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
<tbody>
<tr>
<td>V</td>
<td>15</td>
<td>Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health</td>
<td>Assisting individuals and groups to promote and maintain their health Empowerment for self care of individuals, families and groups in A. Assessment of self and family • Monitoring growth and development Milestones Weight measurement Social development • Temperature and Blood pressure monitoring • Menstrual cycle • Breast self examination and testicles • Warning Signs of various diseases • Tests : Urine for sugar and albumin, blood sugar B. Seek health services for • Routine checkup • Immunization • Counseling • Diagnosis • Treatment • Follow up • Maintenance of health records for self and family • Continue medical care and follow up in community for various diseases and disabilities</td>
<td>Lecture discussion Demonstration Practice session Supervised field practice Individual group/family community health education</td>
<td>Essay type Short answers</td>
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<tr>
<td></td>
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<td>E. Carryout therapeutic procedures as prescribed! required for self and family</td>
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<td>F. Waste Management</td>
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<td>• Collection and disposable of waste at home and community</td>
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<td>G. Sensitize and handle social issues affecting health and development for self and family</td>
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<td>• Women Empowerment</td>
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<td></td>
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<td>• Women and child abuse</td>
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<td></td>
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<td>• Abuse of elders</td>
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<td>• Female Foeticide</td>
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<td>• Commercial sex workers</td>
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<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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<tr>
<td>VI</td>
<td>20</td>
<td>Describe National Health and Family Welfare Programmes and Role of Nurse</td>
<td>Describe the various health schemes in India</td>
<td>National Health &amp; Family Welfare Programmes and the Role of Nurse</td>
<td>Lecture, Discussions Participation in National Health Programmes Field Visits</td>
</tr>
</tbody>
</table>
|      |            |                     | - Food adulteration  
- Substance abuse  
H. Utilize community resources for self and family  
Trauma services  
- Old age homes  
- Orphanage  
- Homes for physically and mentally challenged individuals  
- Homes for destitute | National ARI Programme  
Revised National Tuberculosis Control Programme (RNTCP)  
National Anti-Malaria Programme  
National Filaria control Programme  
National Guinea worm eradication Programme  
National Leprosy Eradication Programme  
National AIDS Control Programme  
STD Control Programme  
National Programme for Control of Blindness  
Iodine Deficiency Disorder Programme  
Expanded Programme on Immunization  
National Family Welfare Programme – RCH Programme  
Historical Development, Organization, Administration, Research, Constraints  
National Water Supply & Sanitation Programme  
Minimum need programme  
National Diabetics Control Programme  
Polio Eradication: Pulse Polio Programme  
National Cancer Control Programme  
Yaws eradication programme  
National Nutritional Anemia |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<td>Prophylaxis Programme 20 Point Programme ICDS Programme Mid-day Meal Applied Nutritional Programme National Mental Health Programme Health Schemes -ESI -CGHS -Health Insurance</td>
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</table>

**Prescribed Internal Assessment Weightage:**

Internal Assessment : Term Test - 30  
Assignment - 20
Community Health Nursing

Recommended Books

Park – Social and Preventive Medicine, Bannott Publishers

Reference Books

1. Allender – Community Health Nursing, 2009, LWW
2. Stanhope – Community Health Nursing, 2008, Elsevier
3. Anderson – Community as Partner, 2009, LWW
4. Deim – Community Health Projects, 2006, Lippincott
## Community Health Nursing-II Practical

**Placement:** Fourth year

**Time:** Practical — 140 hours  
Internship- 195 hours

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in weeks</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community health nursing</td>
<td>Urban – 40 hours</td>
<td>Identify community profile</td>
<td>Community health survey</td>
<td>Community survey report-I</td>
<td>Assess clinical performance with rating scale</td>
</tr>
<tr>
<td></td>
<td>Rural – 100 hours</td>
<td>Identify prevalent communicable and non-communicable diseases</td>
<td>Community diagnosis</td>
<td>Family care study- I</td>
<td>Evaluation of community survey report, family care study, project and health talk</td>
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<tr>
<td></td>
<td></td>
<td>Diagnose health needs of Individual, families and community Plan, provide and</td>
<td>Family care: Home adaptation of common procedures</td>
<td>Project-I</td>
<td>Completion of activity record.</td>
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<tr>
<td></td>
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<td>evaluate care</td>
<td>Home visit: Bag technique</td>
<td>Health talk-I</td>
<td>Completion of case book recording.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Participate in school health program</td>
<td>Organize and conduct clinics- antenatal, post natal, well baby clinic,</td>
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<td></td>
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<td>Participate in national health programs</td>
<td>camps etc</td>
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<td>Organize group for self help and involve clients in their own health activities</td>
<td>Screen manage and referrals for: High risk mothers and neonates</td>
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<td>Provide family welfare services</td>
<td>Accidents and emergencies</td>
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<td></td>
<td></td>
<td>Counsel and educate individual, family and community</td>
<td>Illnesses: Physical and mental Disabilities</td>
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<td>Collect Vital health statistics</td>
<td>Conduct delivery at centre/home: episiotomy and suturing</td>
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<td>Maintain Records &amp; Reports</td>
<td>Resuscitate newborn</td>
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<td>School Health programme</td>
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<td>Screen, manage, refer children</td>
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<td>Collaborate with health and allied agencies</td>
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<td>Train and Supervise health workers</td>
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<td>Provide family welfare services: insertion of IUD</td>
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<td>Counsel and teach individual, family and community</td>
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<td>about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly health,</td>
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<td>Areas</td>
<td>Duration in weeks</td>
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<td>Skills</td>
<td>Assignments</td>
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<td>physically and mentally challenged individuals etc</td>
<td>Collect and Calculate Vital health statistics</td>
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<tr>
<td></td>
<td></td>
<td>Document and maintain Individual, family and administrative records.</td>
<td>Write reports-center, disease, national health programme/ projects</td>
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</table>

**Placement: Internship Time: 4 Weeks**

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in weeks</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urban</td>
<td>4 weeks</td>
<td>Provide comprehensive care to individual, family and community</td>
<td>Integrated Practice and group project- l in each rural and urban</td>
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<td>Assess clinical performance with rating scale</td>
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<td>Evaluation of project</td>
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</tbody>
</table>

Note: During the Rural posting they should stay in health centers under the supervision of teachers

**Prescribed Internal Assessment Weightage:**

- Internal Assessment : Practical Examination 25
- Clinical Evaluation 10
- Family Care Study 5
- Practical Record 5
- Field/Observational Visit 5
NURSING RESEARCH AND STATISTICS

Placement: Fourth year
Internship

Time: Theory - 50 hours
Practical - 45 hours

Course Description:

The Course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/participate in need based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

<table>
<thead>
<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5          | Describe the concept of research, terms, need and areas of research in nursing. Explain the steps of research process. | **Research and research process**  
- Introduction and need for nursing research  
- Definition of Research & nursing research  
- Steps of scientific method  
- Characteristics of good research  
- Steps of Research process-overview | Lecture  
Discussion  
Narrate steps of research process followed from examples of published studies | Short answer Objective type |
| II   | 4          | Identify and state the research problem and objectives | **Research Problem Question**  
- Identification of problem area  
- Problem statement  
- Criteria of a good research problem.  
- Writing objectives | Lecture  
Discussion  
Exercise on writing statement of problem and objectives | Short answer Objective type |
| III  | 4          | Review the related literature | **Review of Literature**  
- Location  
- Sources  
- On line search; CINHAL, COCHRANE etc  
- Purposes  
- Method of review | Lecture  
Discussion  
Exercise on reviewing one research report/article for a selected research problem. Prepare annotated bibliography | Short answer Objective type |
| IV   | 6          | Describe the research approaches and designs | **Research approaches and designs:**  
- Historical, survey and experimental  
- Qualitative and Quantitative designs | Lecture  
Discussion  
Explain types of research approaches used from examples of published and unpublished research | Short answer Objective type |
<table>
<thead>
<tr>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| V    | 8          | Explain the sampling process  
Describe the methods of data collection | **Sampling and data collection:**  
• Definition of Population, Sample, Sampling criteria, factors influencing  
• sampling process, types of sampling techniques.  
• Data- why, what, from whom, when and where to collect.  
• Data collection methods and instruments:  
Methods of data collection  
Questioning, interviewing  
Observations, record analysis and measurement  
Types of instruments  
Validity & Reliability of the Instrument  
Pilot study  
Data collection procedure | Lecture Discussion  
Reading  
Conduct assignment on examples of data collection tools.  
Preparation of sample data collection tool group research project | Short answer Objective type |
| VI   | 4          | Analyze, Interpret and summarize the research data | **Analysis of data:**  
Compilation, Tabulation, classification, summarization, presentation, interpretation of data | Lecture Discussion  
Preparation of sample tables. | Short answer Objective type |
| VII  | 15         | Explain the use of statistics, scales of measurement and graphical presentation of data  
Describe the measures of central tendency and variability and methods of correlation. | **Introduction to statistics:**  
• Definition, use of statistics, scales of measurement.  
• Frequency distribution and graphical presentation of data  
• Mean, Median, Mode, Standard deviation  
• Normal Probability and tests of significance  
• Co-efficient of correlation.  
• Statistical packages and its application | Lecture Discussion  
Practice on graphical presentations  
Practice on computation of measures of central tendency, variability & correlation | Short answer Objective type |
| VIII | 4          | Communicate and utilize the research findings. | **Communication and utilization of Research:**  
• Communication of research findings  
• Verbal report  
• Writing research report  
• Writing scientific article/paper | Lecture, Discussion  
Read/Presentations of sample published / unpublished research report.  
Writing group research project | Short answer Objective type |


<table>
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<tr>
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<th>Assessment methods</th>
</tr>
</thead>
</table>
|      |            |                     | - Critical review of published research  
|      |            |                     | - Utilization of research findings      |                     |                     |

**Prescribed Weightage for Internal Assessment:**

- **Internal Assessment**
  - Term Test - 30
- **Research Project** - 20
**Nursing Research & Statistics**

**Recommended Books:**

- Polit – Nursing Research ,2007, LWW
- Polit – Essentials of Nursing Research ,2009, LWW
- Basvanthappa – Nursing Research, Jaypee Publications

**Reference Books:**

- Macnee – Understanding Nursing Research, 2007, LWW
- Burns – Practice of Nursing Research , 2009, Elsevier
- Plitcha – Statistics for Nursing & allied Health Sciences, Lippincott.
- Munro – Statistical Method for Health care Research , 2006
- Stubert – Qualitative Research in nursing , 2010, LWW.
MANAGEMENT OF NURSING SERVICES AND EDUCATION

Placement: Fourth year

Hours- 90 Hours
Theory: 60 hours
Practical: 30 hours

Course Description:

This course is designed to enable students to acquire understanding of management of clinical and community health nursing services, nursing educational programmes. This is also designed to enable students to acquire understanding of the professional responsibilities, prospects and contribution to the growth of the profession.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 4          | Explain the principles and functions of management. | **Introduction to management in nursing**  
• Definition, concepts and theories  
• Functions of management  
• Principles of Management  
• Role of Nurse as a manager | Lecture Discussion  
Explain using organization chart | Short answers |
| II   | 5          | Describe the elements and process of management | Management process  
Planning; mission, philosophy, objectives, operational plan  
Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling  
Human resource management; recruiting, selecting, deployment, retaining, promoting, superannuation etc  
Budgeting: concept, principles, types, cost benefit analysis, audit  
Material management: equipment and supplies  
Directing process (Leading )Controlling: Quality management Program Evaluation | Lecture Discussion  
Simulated Exercises  
Case studies | Essay type  
Short answers |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>P</td>
<td></td>
<td>Description the Management of nursing services in the hospital and Community</td>
<td>Lecture Discussion, Demonstration, Simulated Exercises, Case studies, Supervised practice in ward- writing, preparing indents, preparing duty roaster, ward supervision, Assignment on duties and responsibilities of ward sister, Writing report</td>
<td>Essay type, Short answers, Assessment of problem solving exercises, Assessment of the assignments, Performance evaluation by ward sister with rating scale</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>---------------------</td>
<td>--------------------------------------------------------------------------</td>
<td>-----------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>I</td>
<td>10</td>
<td>Describe the concepts, theories and techniques of Organizational behaviour and human relations</td>
<td>control, auditing and maintenance in Hospital and patient care units • Emergency and disaster management Directing and leading: delegation, participatory management • Assignments, rotations, delegations • Supervision &amp; guidance • Implement Standards, policies, procedures and practices • Staff development and welfare • Maintenance of discipline Controlling / Evaluation: • Nursing Rounds/Visits, Nursing protocols, Manuals Quality Assurance Model, documentation - a Records and reports Performance appraisal</td>
<td>Lecture Discussion Role plays Group games Self assessment Case discussion Practice Session</td>
<td>Essay type Short answers Assessment of problem solving</td>
</tr>
</tbody>
</table>

**Organizational behaviour and human relations:**
- Concepts and theories of organizational behaviours
- Review of Channels of communication
- Leadership styles
- Review of Motivation; concepts and theories
- Group dynamics
- Techniques of Communication;
- Interpersonal relationships
- Human relations;
- Public relations in context of nursing
- Relations with professional associations and employee unions and Collective
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| V    | 5 5        | Participate in planning and organizing in service education program | In service education:  
- Nature & scope of in-service education program,  
- Organization of in service education  
- Principles of adult learning,  
- Planning for in-service education program, techniques, methods & evaluation of staff education program  
- Preparation of report | Lecture Discussion Plan & conduct an educational session for in service nursing personnel | Short Answer Objective type Assess the planning & conduct of the educational session |
| VI   | 10 5       | Describe management of Nursing educational institutions | Management of nursing educational institutions  
- Establishment of Nursing educational institution-INC norms and guidelines  
- Co-ordination with  
- Regulatory bodies  
- Accreditation  
- Affiliation  
- Philosophy! objectives  
- Organization  
- Structure  
- Committees  
- Physical facilities  
- College/School  
- Hostel  
- Students  
- Selection  
- Admission  
- Guidance and Counseling  
- Maintaining discipline  
- Faculty and staff  
- Selection  
- Recruitment  
- Job description  
- Placement  
- Performance appraisal  
- Development and welfare Budgeting Equipments and supplies: audio visual equipments, laboratory equipment, books, journals etc Curriculum; Planning, | Lecture Discussion Role plays Counseling session Group Exercises | Essay type Short answers |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>P</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>VII</td>
<td>15</td>
<td>Describe the ethical and legal responsibilities of a professional nurse. Explain the nursing practice standards</td>
<td>Nursing as a profession:  - Philosophy; nursing practice  - Aims and objectives  - Characteristics of a professional nurse  - Regulatory bodies; INC. SNC Acts; - constitution, functions  - Current trends and issues in Nursing  Professional ethics  - Code of ethics; INC,  - Code of Professional conduct; INC,ICN  Practice standards for Nursing; INC  Consumer protection act  Legal Aspects in Nursing  - Legal terms related to practice; registration and licensing  - Laws related to nursing practice; Breach and penalties  - Malpractice and negligence ICN</td>
<td>Lecture Discussion  Case discussion  Panel discussion  Role plays  Critical incidents  Visit to INC/SNC</td>
<td>Short answers  Assessment of critical incidents</td>
</tr>
<tr>
<td>VIII</td>
<td>3</td>
<td>Explain the various opportunities for professional advancement</td>
<td>Professional Advancement:  - Continuing education Career Opportunities  - Collective bargaining  - Membership with Professional organizations; National. and International  - Participation in research activities  - Publications; Journals, Newspapers etc.</td>
<td>Lecture Discussion  Review! Presentation of published articles</td>
<td>Short answers</td>
</tr>
</tbody>
</table>
Prescribed Weightage for Internal Assessment:

<table>
<thead>
<tr>
<th>Internal Assessment</th>
<th>Term Test</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Observational visit</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Nursing Management

Recommended Books:

2.) Marquis – Leadership Roles & Management Functions in Nursing, 2008, LWW
3.) Basavanthappa – Nursing Administration, 2009, Jaypee.

Reference Books:

Huber – Nursing Management & Leadership, 2008, Elsevier
Marriner – Guide to Nursing management, 2008, Elsevier
Powell – Case Management, 2009, LWW
Ellis – Managing and coordinating Nursing, 2009, WK
REGULATION AND SYLLABUS FOR M.Sc POST GRADUATE DEGREE IN NURSING 2010 – 2011

Modified upto 41st Standing Academic Board held on 14.6.2011.

The Tamil Nadu Dr.MGR. Medical University
No.69, Anna salai, Guindy, chennai- 6000 032
The University emblem symbolizes various systems of medicine and Para medical systems. It also depicts the global character of preventive, promotive, and curative medicine. The motto “HEALTH FOR ALL” reflects all the objectives of this medical university.

The Tamil Nadu Dr.MGR. Medical University
No.69, Anna salai, Guindy, chennai- 600032
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<td>Mental Health Nursing</td>
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<td>Community Health Nursing</td>
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<td>10.</td>
<td>Nursing Research &amp; Statistics</td>
<td>53</td>
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<td>11.</td>
<td>Nursing Management</td>
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<td>12.</td>
<td>Clinical speciality – II</td>
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<td></td>
<td>Medical Surgical Nursing</td>
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<td>Cardio Vascular and Thoracic Nursing . .</td>
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<td>Mental Health Nursing</td>
<td>149</td>
<td></td>
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<td>Community Health Nursing</td>
<td>155</td>
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</tr>
</tbody>
</table>
PHILOSOPHY, AIMS & OBJECTIVES

(Adapted from Indian Nursing Council)

INC believes that:

Philosophy
Graduate programme is essential to prepare nurses to improve the quality of nursing education and practice in India.

Post graduate programme in nursing builds upon and extends competence acquired at the graduate levels, emphasizes application of relevant theories into nursing practice, education, administration and development of research skills.

The programme prepares nurses for leadership position in nursing and health fields who can function as nurse specialists, consultants, educators, administrators and researchers in a wide variety of professional settings in meeting the National priorities and the changing needs of the society.

This programme provides the basis for the post masteral programme in nursing.
Further the programme encourages accountability and commitment to life long learning which fosters improvement of quality care.

Aim
The aim of the postgraduate program in nursing is to prepare graduates to assume responsibilities as nurse specialists, consultants, educators, administrators in a wide variety of professional settings.

Objectives
On Completion of the two year M.Sc Nursing programme, the graduate will be able to:

1. Utilize/apply the concepts, theories and principles of nursing science
2. Demonstrate advance competence in practice of nursing
3. Practice as a nurse specialist.
4. Demonstrate leadership qualities and function effectively as nurse educator and manager.
5. Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research.
6. Demonstrate the ability to plan and effect change in nursing practice and in the health care delivery system.
7. Establish collaborative relationship with members of other disciplines
8. Demonstrate interest in continued learning for personal and professional advancement.

THE TAMILNADU DR. M. G. R. MEDICAL UNIVERSITY
CHENNAI - 600 032.
REGULATIONS OF THE UNIVERSITY

In exercise of the powers conferred by section 44 of the Tamilnadu Dr.MGR Medical university, Madras Act, 1987 (Tamilnadu Act, 37 of 1987), the standing Academic Board of the Tamilnadu Dr.MGR Medical University, hereby makes the following regulations:

SHORT TITLE AND COMMENCEMENT

These regulations shall be called “THE REGULATIONS FOR THE M.Sc POST GRADUATE DEGREE COURSE IN NURSING, THE TAMILNADU DR.MGR MEDICAL UNIVERSITY, CHENNAI”

They shall come into force from the academic year 2010-2011 onwards.

The regulations framed are subject to modifications from time to time by the Standing Academic Board.

OVERALL OBJECTIVES:

The candidate is prepared to function in a leadership position in selected areas of Clinical Speciality, Nursing Education, Nursing Administration and in Nursing Research and carry out independent Research Studies

1. ELIGIBILITY FOR ADMISSION

The candidates should have:

- Passed the qualification of B.Sc. Nursing Degree of this University or any other University accepted as equivalent there to.

- Should have registered with the State Registration Council of Nursing and Midwifery.

- B.Sc. Nursing Graduates should have one year of experience in a hospital or in a College or in a School of Nursing or in Community Health Programme after registration in State Nursing Council.

- Minimum one year of work experience prior or after Post Basic B.Sc Nursing

- In case of male candidates they should have passed any other course recommended by the Indian Nursing Council in place of Midwifery. Those who have studied Midwifery are eligible for admission to Branch III and IV.

- Every candidate before admission to this course shall submit to the Principal of the institution a certificate of Medical Fitness from an authorized Medical Officer that the candidate is physically fit to undergo the Academic Programme.

2. ELIGIBILITY CERTIFICATE

Candidate before seeking admission to any one of the affiliated nursing Institutions shall obtain an Eligibility Certificate from the University by remitting the
prescribed fees along with the application form which shall be downloaded from the University website (www.tnmmu.ac.in)

3. MIGRATION CERTIFICATE:
Other university candidates must obtain migration certificate from the concerned University.

4. MEDIUM OF INSTRUCTION

English shall be the medium of instruction for all the subjects of study and for examinations of the M.Sc. Degree Nursing course.

5. REGISTRATION
A Candidate admitted in the M.Sc. Post Graduate Degree Course in Nursing in any one of the affiliated institutions of this University shall register his / her name with this university by submitting the prescribed application form for registration duly filled, along with the prescribed fee and a declaration in the format to the Academic Officer of this University through the Head of the affiliated institution within 60 days from the cut-off date prescribed for the course for admission. The applications should have date of admission of the course.

6. DURATION OF THE COURSE
The duration of certified study for the M.Sc Nursing course shall extend over a period of two academic years.

7. COMMENCEMENT OF THE COURSE
The course shall commence from the 1st June and 1st September of the academic year.

8. MEDIUM OF INSTRUCTION:
English shall be the Medium of instruction for all the subjects of study and for examinations of the Master of Science Degree Course in Nursing.

9. CURRICULUM
The curriculum and the syllabi for the course shall be as prescribed by the Standing Academic Board from time to time.

10. BRANCHES OF STUDY
The following shall be the Branches of study for M.Sc. Degree in Nursing

Branch I - Medical Surgical Nursing
Branch II - Child Health Nursing (Paediatric Nursing)
Branch III - Obstetrics & Gynecological Nursing (Maternity Nursing)
Branch IV - Community Health Nursing
Branch V - Psychiatric Nursing (Mental Health Nursing)

11. RE-ADMISSION AFTER BREAK OF STUDY:
The regulations for re-admission are as per the University Common Regulation for Re-admission after break of study for all courses.

12. WORKING DAYS IN THE ACADEMIC YEAR

Each academic year shall consist of not less than **270 working days**.

1. The classes for Post Graduate students will commence from 1st June of every year and the University examination will commence from 1st June of the Subsequent year. Therefore, the attendance will be calculated for the Post Graduate students from 1st June of the same year to 31st May of the next year including examination period.

2. The total number of Working days for the Post Graduate Students M.Sc Nursing course during one academic year is as follows:-

<table>
<thead>
<tr>
<th>Description</th>
<th>No. of Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total No. of days in a year</td>
<td>365</td>
</tr>
<tr>
<td>a) No. of weekly off (Sundays)-</td>
<td>52</td>
</tr>
<tr>
<td>b) No. of Government Holidays</td>
<td>22</td>
</tr>
<tr>
<td>c) No. of Holidays</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td><strong>95</strong></td>
</tr>
<tr>
<td>Total No. of Working days</td>
<td><strong>270</strong></td>
</tr>
<tr>
<td>Including examination period</td>
<td></td>
</tr>
</tbody>
</table>

13. ATTENDANCE

The candidate should have **90%** of attendance in theory and practical separately and should have completed all the requirements prescribed for each program of study including clinical practice before admission to examinations.

a) No candidate shall be permitted to any one of the parts of M.Sc. Degree course in Nursing unless he/she has attended the course in the subject for the prescribed period in an affiliated institution recognized by this University and produces the necessary certificate of study, attendance and progress from the Head of the Institution.

b) If the candidate is lacking attendance in any one of the subject(s), he/she will be detained for the subject(s) in which the candidate lacks attendance but will be permitted to appear for the rest of the subjects in which the candidate is having minimum required percentage of attendance.

c) A candidate must have **100%** attendance in each of the practical areas before award of Degree.

d) The Post Graduate students shall attend conferences, workshops, seminars and do publication / presentation of papers during their study period.

e) The Post Graduate students who do not have adequate attendance to appear for the 1st year examination will take up the said examination in the subsequent session after
acquiring the required attendance. The duration of the 2nd year of the Post Graduate programme will be calculated only from the time of appearance in the 1st year examination.

14. CONDONATION OF LACK OF ATTENDANCE

There shall be no condonation of lack of attendance to Post-graduate course. There shall be no condonation of any kind of leave for any reason including Pregnancy, Child Birth, Medical conditions of any nature.

15. INTERNAL ASSESSMENT

1. There shall be an internal assessment in all the subjects, and marks for each subject will be according the weight age given to each subject. A minimum of three written examinations shall be conducted in each subject during a year. The written examination preceding the University examination may be similar to the pattern of University examination. The average marks of the three performances shall be taken into consideration for the award of internal assessment marks.

2. A minimum of one practical examination shall be conducted in each subject (wherever practical have been included in the curriculum) and grades of ongoing clinical evaluation to be considered for the award of internal assessment marks.

3. The college examinations along with marks of all evaluation will form the final grade for the Internal Assessment for the subjects. These marks should be submitted to the University two weeks before commencement to the University Examinations.

4. Any candidate who fails in the Internal Assessment should be given an opportunity to improve the Internal Assessment. A candidate shall secure 50% marks in theory/practical separately in each subject/practical to be eligible to appear for the University examinations.

Internal Assessment Marks

<table>
<thead>
<tr>
<th>Theory (Common to all)</th>
<th>: 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical (Common to all)</td>
<td>: 100</td>
</tr>
</tbody>
</table>

Weightage for Internal Assessment:

A  Theory  
Term Test : 30  
Assignment : 20

B  Practical

Practical Examination : 50
Clinical Evaluation : 20
Project : 10
Case study (or) Case Record : 10
Field/ Observational visit : 10

16. CUT OFF DATES FOR ADMISSION TO THE EXAMINATIONS
(α) The candidates admitted up to 30th June of the academic year will be registered to take up their first year M.Sc. Nursing examinations on 1st June of the ensuing year.

(β) The candidates admitted upto 30th September of the academic year will be registered to take up their 1st year M.Sc. Nursing examinations, after fulfillment of the regulations on 1st December of the ensuing year.

17. SCHEME OF EXAMINATIONS

Theory and practical examinations shall be conducted at the end of first year and second year respectively in the subjects as per syllabus. If the candidate fails, he/she will be allowed to appear in supplementary examinations (December / June) in failed subjects.

(α) Maximum number of attempts permitted for each paper is 3 including first attempt.
(β) The maximum period to complete the course successfully should not exceed 4 (four) years.
(γ) Candidate who fails in any subject, shall be permitted to continue the studies into the second year. However the candidates shall not be allowed to appear for the second year examination till such time that he or she passes all subjects of the first year M.Sc Nursing Examination.

18. SUBMISSION OF DISSERTATION

The candidate shall submit a dissertation in the field of speciality, two months before the final examination for valuing the certification. During the program of study the candidate is required to write a dissertation in his/her speciality.

19. EVALUATION OF DISSERTATION

The dissertation shall be valued by

- Professor or Reader in Clinical speciality.
- An external examiner with Nursing Research experience who will be common to all.

The number of pages of dissertation should not exceed 100 pages.

20. RESUBMISSION OF DISSERTATION
Resubmission of thesis with corrections can be submitted within 6 months from the date of return from the University. Resubmission of thesis with total re-doing can be done within 1 (one) year.

21. COURSE OF INSTRUCTION

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Theory (hrs)</th>
<th>Practical (hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing Education</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>Advance Nursing Practice</td>
<td>150</td>
<td>250</td>
</tr>
<tr>
<td>Nursing Research and Statistics</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>*Clinical Speciality – I</td>
<td>150</td>
<td>750</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>600</td>
<td>1300</td>
</tr>
<tr>
<td><strong>2nd year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing Management</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>Nursing Research (Dissertation)</td>
<td></td>
<td>400</td>
</tr>
<tr>
<td>*Clinical Speciality – II</td>
<td>150</td>
<td>1050</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>300</td>
<td>1600</td>
</tr>
</tbody>
</table>

**Education visit – 2 weeks**

*Clinical Speciality – Medical Surgical Nursing (Cardiovascular and Thoracic Nursing, Critical Care Nursing, Oncology Nursing, Neurosciences Nursing, Nephro-Urology Nursing, Orthopaedic Nursing, Gastroenterology Nursing), Child Health (Paediatric) Nursing, Obstetric & Gynaecological Nursing, Community Health Nursing, Psychiatric (Mental Health) Nursing, etc.

**Note**: Students have to maintain log book for each activity during the course of study

22. SCHEME OF EXAMINATIONS
<table>
<thead>
<tr>
<th>Subjects</th>
<th>Theory</th>
<th>Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hrs.</td>
<td>Internal</td>
</tr>
<tr>
<td>I Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing Education</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td>Advanced Nursing Practice</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td>Nursing Research &amp; Statistics</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td>Clinical Specialty – I</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td>II Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing Management</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td>Dissertation &amp; Viva</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical Specialty – II</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Theory:**

The distribution of the theory marks for the university examination is : 100 Marks

**Types of Question and distribution of marks(common for all subjects):**

1. Long Essays : 2 x 20marks = 40 marks

2. Short notes : 10 x 6 marks = 60 marks

**NURSING RESEARCH & STATISTICS : 100 marks**

**SECTION- A**

**NURSING RESEARCH**

1. Long Essays : 1x 20marks = 20 marks

2. Short notes : 5 x 6 marks =30 marks

**SECTION- B**

**STATISTICS**

1. Long Essays : 1x 20marks = 20 marks

2. Short notes : 5 x 6 marks =30 marks

**Practicals**
4 hours of practical examination per student.

Maximum number of 10 students of the same year of study per day per speciality.

The examination should be held in clinical area only for clinical specialities

One internal and external should jointly conduct practical examination

Examiner – Nursing faculty teaching respective speciality area in M.Sc Nursing programme with minimum 7 years post graduate teaching experience after acquiring post graduate qualification.

23. ELIGIBILITY FOR AWARD OF THE DEGREE

The candidate will be awarded the Degree of Master of Science in Nursing when a candidate has put in the prescribed program of study for two years and successfully completed all program requirements including the submission of dissertation.

24. MARKS QUALIFYING FOR A PASS

A candidate shall be declared to have passed the examination in each subject if he/she secures:

50% of the marks in the University written examinations,
50% of the marks in the University practical examination and
50% of marks in the aggregate of the Internal Assessment and University written, practical and oral examinations together

50% of marks in each Section A & B separately where two subjects are combined in single paper. If a candidate who has failed to secure the minimum pass mark of 50% either in Section A or B, the candidate has to write again both the Sections irrespective the fact whether the candidate has passed in one Section.

25. CARRY-OVER OF FAILED SUBJECTS

(a) A Candidate is permitted to carry over a maximum of two subjects to the next academic year. The candidate has to pass the carried over subjects before appearing second year University Examinations.

(b) A candidate who has failed in more than two subjects shall not be promoted to the second year.

(c) The failed candidates can appear for the ensuing December/June examinations.

(d) Only three attempts are allowed in each subjects including first attempt.

26. REVALUATION / RETOTALLING OF ANSWER PAPERS:
Revaluation of answer papers is not permitted. Only re-totaling of theory answer papers is allowed in the failed subjects and should be applied through the institution.

27 AWARD OF MEDALS AND PRIZES

The University shall award at its Convocation Medals and Prizes to outstanding candidates as and when instituted by the donors as per the prescribed terms and condition for the award of the same.

28. AUTHORITY TO ISSUE TRANSCRIPT OF MARKS

The University shall be the Authority for issuing Transcript after remitting the prescribed fee.
<table>
<thead>
<tr>
<th>S.No.</th>
<th>Description</th>
<th>Page no.</th>
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<tbody>
<tr>
<td>1.</td>
<td>Objectives</td>
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<td>Admission Requirements</td>
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<td>6.</td>
<td>Scheme of Examination</td>
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<td>Nursing Education</td>
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<td>Medical Surgical Nursing</td>
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<td>Community Health Nursing</td>
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<td>Nursing Research &amp; Statistics</td>
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<td>Nursing Management</td>
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<td>Clinical speciality – II</td>
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<td>Medical Surgical Nursing</td>
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<td></td>
<td>Cardio Vascular and Thoracic Nursing</td>
<td>68</td>
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<td>Critical Care Nursing</td>
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<td>Oncology Nursing</td>
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<td>Specialty</td>
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<tr>
<td>Neuro Sciences Nursing</td>
<td>97</td>
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<td>Nephrology, Urology Nursing</td>
<td>108</td>
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<td>Orthopedic Nursing</td>
<td>115</td>
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<td>Gastro Enterology Nursing</td>
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<td>Obstetrics and Gynaecological Nursing</td>
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<tr>
<td>Child Health Nursing</td>
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<td>Mental Health Nursing</td>
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<td>Community Health Nursing</td>
<td>155</td>
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</table>
ANNEXURE-I
DECLARARTION

I ----------------------------------------------------------Son of / Daughter of -----------------------------
---------Residing at ----------------------------------------------------------and
admitted to in I year of ---------------------------------------------------------- (Name of the
Course /U.G./P.G) at ----------------------------------------------------------(Name of the
College) do hereby solemnly affirm and sincerely state as follows.

I declare that I shall abide by the rules and regulations prescribed by the Tamil
Nadu Dr. M.G.R Medical University, Chennai for the ----------------------------- (course)
including regulations for re-admission after the break of study.

Date: signature of candidate

/counter Signed/

(Official date seal)

Dean/Principal/Director

17
CURRICULUM

NURSING EDUCATION

Placement: 1st Year

Hours of instruction
Theory 150 Hours
Practical 150 ours
Total: 300 Hours

Course Description

This course is designed to assist students to develop a broad understanding of Fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

Objectives

At the end of the course, students will be able to:

1. Explain the aims of education, philosophies, trends in education and health: its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing.
9. Demonstrate skill in guidance and counseling.
10. Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.
14. Explain the concept, principles, steps, tools and techniques of evaluation
15. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude
### Course Content:

<table>
<thead>
<tr>
<th>Units</th>
<th>Hours</th>
<th>Course Content</th>
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<tr>
<td></td>
<td>Theory</td>
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<td>I</td>
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<td></td>
<td>Introduction:</td>
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<td>• Education: Definition, aims, concepts, philosophies &amp; their education implications,</td>
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<td>• Impact of Social, economical, political &amp; technological changes on education:</td>
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<td>- Professional education</td>
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<td>- Current trends and issues in education</td>
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<td>- Educational reforms and National Educational policy, various educational commissions-reports</td>
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<td>- Trends in development of nursing education in India</td>
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<td>II</td>
<td>20</td>
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<tr>
<td></td>
<td>Teaching – Learning Process</td>
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<td></td>
<td>• Concepts of teaching and learning: Definition, theories of teaching and learning, relationship between teaching and learning.</td>
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<td>• Educational aims and objectives: types, domains, levels, elements and writing of educational objectives</td>
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<td>• Competency based education (CBE) and outcome based education (OBE)</td>
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<td>• Instructional design: Planning and designing the lesson, writing lesson plan: meaning, its need and importance, formats.</td>
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<td>• Instruction strategies – Lecture, discussion, demonstration, simulation, laboratory, seminar, panel, symposium, problem solving, problem based learning (PBL), workshop, project, role-play (socio-drama), clinical teaching methods, programmed instruction, self directed learning (SDL), micro teaching, computer assisted instruction (CAI), computer assisted learning (CAL)</td>
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<td>Units</td>
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<td></td>
<td>Theory</td>
<td>Practical</td>
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</table>
| VIII  | 5      | 6         | Nursing Educational programs  
|       |         |           | • Perspectives of nursing education: Global and national.  
|       |         |           | • Patterns of nursing education and training programmes in India. Non-university and University programs: ANM, GNM, Basic B.Sc. Nursing, Post Certificate B.Sc. Nursing, M.Sc(N) programs, M.Phil and Ph.D) in Nursing, post basic diploma programs, nurse practitioner programs. |
| IX    | 12     | 25        | Continuing Education in Nursing  
|       |         |           | concepts Definition, importance, need scope, principles of adult learning, assessments of learning needs, priorities, resources.  
|       |         |           | • Program planning, implementation and evaluation of continuing education programs.  
|       |         |           | • Research in continuing education.  
|       |         |           | • Distance education in nursing. |
| X     | 10     | 10        | Curriculum Development  
|       |         |           | • Definition, curriculum determinants, process and steps of curriculum development, Curriculum models, Types and framework.  
|       |         |           | • Formulation of philosophy, objectives, selection and organization of learning experiences; master plan, course plan, unit plan.  
|       |         |           | • Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders.  
|       |         |           | • Equivalency of courses: Transcripts, credit system. |
| XI    | 6      | 5         | Teacher preparation  
|       |         |           | • Teacher – roles & responsibilities, functions, characteristics, competencies, qualities,  
|       |         |           | • Preparation of professional teacher  
|       |         |           | • Organizing professional aspects of teacher preparation programs  
|       |         |           | • Evaluation: self and peer  
<p>|       |         |           | • Critical analysis of various programs of teacher education in India. |</p>
<table>
<thead>
<tr>
<th>Units</th>
<th>Hours</th>
<th>Course Content</th>
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<tbody>
<tr>
<td>XII</td>
<td>10</td>
<td>Guidance and counseling</td>
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<tr>
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<td></td>
<td>• Concept, principles, need, difference between guidance and counseling, trends and issues.</td>
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<td></td>
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<td>• Guidance and counseling services: diagnostic and remedial.</td>
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<td>• Coordination and organization of services.</td>
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<td>• Techniques of counseling: Interview, case work, characteristics of counselor, problems in counseling.</td>
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<td>• Professional preparation and training for counseling.</td>
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<td>XIII</td>
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<td>Administration of Nursing Curriculum</td>
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<td>• Role of curriculum coordinator – planning, implementation and evaluation.</td>
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<td>• Evaluation of educational programs in nursing - course and program.</td>
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<td>• Factors influencing faculty staff relationship and techniques of working together.</td>
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<td>• Concept of faculty supervisor (dual) position.</td>
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<td>• Curriculum research in nursing.</td>
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<td>• Different models of collaboration between education and</td>
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<td>XIV</td>
<td>10</td>
<td>Management of nursing educational institutions</td>
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<tr>
<td></td>
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<td>• Planning, organizing, staffing, budgeting, recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel,</td>
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<td>XV</td>
<td>5</td>
<td>• Development and maintenance of standards and accreditation in nursing education programs.</td>
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<td>• Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University.</td>
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<td>• Role of Professional associations and unions.</td>
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</table>

**Activities:**

- Framing philosophy, aims and objectives.
- Lesson Planning.
- Micro teaching-2.
- Conduct practice teachings using different teaching strategies -10
  (like lecture cum discussion, demonstration- lab method, field trips, seminars, project, role play, panel discussion, clinical methods etc)
- Preparation and utilization of instructional Aids using different media.
- Develop course plans, unit plans, rotation plans.
- Conduct a continuing education workshop.
- Annotated bibliography.

- Critical evaluation of any nursing education program offered by a selected institution.
- Planning and Organizing field visits
Educational visits.
- Field visits (INC/SNRC) to get familiar with recognition/registration process.
- Construct, administer and evaluate tools (objective & essay type test, observation checklist, rating scale etc)
- Observe and practice application of various non-standardized tests (intelligence, Aptitude, Personality, Sociometry, physical & mental disabilities tests.)

Methods of Teaching
- Lecture cum discussion
- Demonstration/ Return demonstration
- Seminar / Presentations
- Project work
- Field visits
- Workshop

Methods of evaluation
- Tests
- Presentation
- Project work
- Written assignments

Internal Assessment

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<th>Techniques</th>
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<td>Assignment &amp; Seminar/presentation</td>
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<td><strong>Total</strong></td>
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</table>

Practical – Internal assessment

- Practice Teaching 30
- Learning resource material & conducting workshop
  /Short Term Course 20
- **Total** 50

Practical – External assessment

- Practice teaching- 1- 30
- Preparation/use of learning resource material-/ Construction of tests/rotation plan 20
- **Total** 50
Nursing Education

Recommended Books:

1.) Sankar Narayanan – Education & Communication Technology, 2007, Brainfill
2.) Young – Teaching Nursing, 2008, LWW
3.) Neeraja – Nursing Education, 2008, Jaypee

Reference Books:-

1.) Bosek – Ethical Component of Nursing Education, LWW
2.) Mariner – Teaching Nursing, 2008, Elsevier
3.) Smith - The Legal, Professional and Ethical Dimensions of Higher Education, Kluwer
4.) Keating – Curriculum Development in Nursing, WoltersKluwer
**ADVANCED NURSING PRACTICE**

**Placement: 1st Year**

<table>
<thead>
<tr>
<th>Hours of Instruction</th>
<th>Theory : 150 Hours</th>
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<tr>
<td>Practical</td>
<td>250Hours</td>
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<td>Total</td>
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</table>

**Course Description**

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

**Objectives:**

At the end of the course the students will be able to:

1. Appreciate and analyze the development of nursing as a profession.
2. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Describe scope of nursing practice.
6. Provide holistic and competent nursing care following nursing process approach.
7. Identify latest trends in nursing and the basis of advance nursing practice.
8. Perform extended and expanded role of nurse.
10. Describe the concept of quality control in nursing.
11. Identify the scope of nursing research.
12. Use computer in patient care delivery system and nursing practice.
13. Appreciate importance of self development and professional advancement.
## Course Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</table>
| I    | 10    | **Nursing as a Profession**  
- History of development of nursing profession, characteristics, criteria of the profession, perspective of nursing profession-national, global.  
- Code of ethics(INC), code of professional conduct(INC), autonomy and accountability, assertiveness, visibility of nurses, legal considerations,  
  * Role of regulatory bodies  
- Professional organizations and unions-self defense, individual and collective bargaining  
- Educational preparations, continuing education, career opportunities, professional advancement & role and scope of nursing education.  
- Role of research, leadership and management.  
- Quality assurance in nursing (INC).  
- Futuristic nursing. |
| II   | 5     | **Health care delivery**  
- Health care environment, economics, constraints, planning process, policies, political process vis a vis nursing profession.  
- Health care delivery system- national, state, district and local level.  
- Major stakeholders in the health care system-Government, non-govt, Industry and other professionals.  
- Patterns of nursing care delivery in India.  
- Health care delivery concerns, national health and family welfare programs, inter-sectoral coordination, role of non-governmental agencies.  
- Information, education and communication (IEC).  
- Tele-medicine. |
| III  | 10    | **Genetics**  
- Basic concepts of Genes, Chromosomes & DNA.  
- Approaches to common genetic disorders.  
- Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening.  
- Ethical, legal & psychosocial issues in genetic testing.  
- Genetic counseling.  
- Practical application of genetics in nursing. |
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</table>
| IV   | 10    | Epidemiology  
- Scope, epidemiological approach and methods,
- Morbidity, mortality,
- Concepts of causation of diseases and their screening,
- Application of epidemiology in health care delivery, Health surveillance and health informatics
- Role of nurse |
| V    | 20    | Bio-Psycho social pathology  
- Pathophysiology and Psychodynamics of disease causation
- Life processes, homeostatic mechanism, biological and psycho-social dynamics in causation of disease, life style
- Common problems: Oxygen insufficiency, fluid and electrolyte imbalance, nutritional problems, hemorrhage and shock, altered body temperature, unconsciousness, sleep pattern and its disturbances, pain, sensory deprivation.
- Treatment aspects: pharmacological and pre- post operative care aspects,
- Cardio pulmonary resuscitation.
- End of life Care
- Infection prevention (including HIV) and standard safety measures, bio-medical waste management.
- Role of nurse- Evidence based nursing practice; Best practices
- Innovations in nursing |
| VI   | 20    | Philosophy and Theories of Nursing  
- Values, Conceptual models, approaches.
- Nursing theories: Nightingale’s, Hendersons’s, Roger’s, Peplau’s, Abdella’s, Lewine’s, Orem’s, Johnson’s, King’s, Neuman’s, Roy’s, Watson parsee, etc and their applications,
- Health belief models, communication and management, etc
- Concept of Self health.
- Evidence based practice model. |
| VIII | 10    | Nursing process approach  
- Health Assessment-illness status of patients/clients (Individuals, family, community), Identification of health- illness problems, health behaviors, signs and symptoms of clients.
- Methods of collection, analysis and utilization of data relevant to nursing process.
- Formulation of nursing care plans, health goals, implementation, modification and evaluation of care. |
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<th>Unit</th>
<th>Hours</th>
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<tr>
<td>IX</td>
<td>30</td>
<td>Psychological aspects and Human relations</td>
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<td>- Human behavior, Life processes &amp; growth and development, personality development, defense mechanisms,</td>
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<td>- Communication, interpersonal relationships, individual and group, group dynamics, and organizational behavior,</td>
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<td>- Basic human needs, Growth and development, (Conception through preschool, School age through adolescence, Young &amp; middle adult, and Older adult)</td>
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<td>- Sexuality and sexual health.</td>
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<td>- Stress and adaptation, crisis and its intervention,</td>
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<td>- Coping with loss, death and grieving,</td>
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<td>- Principles and techniques of Counseling.</td>
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<td>X</td>
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<td>Nursing practice</td>
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<td>- Framework, scope and trends.</td>
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<td>- Alternative modalities of care, alternative systems of health and complimentary therapies.</td>
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<td>- Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions.</td>
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<td>- Health promotion and primary health care.</td>
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<td>- Models of Prevention,</td>
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<td></td>
<td></td>
<td>- Family nursing, Home nursing,</td>
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<tr>
<td></td>
<td></td>
<td>- Gender sensitive issues and women empowerment.</td>
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<tr>
<td></td>
<td></td>
<td>- Disaster nursing.</td>
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<tr>
<td></td>
<td></td>
<td>- Geriatric considerations in nursing.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Evidence based nursing practice- Best practices</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Trans-cultural nursing.</td>
</tr>
<tr>
<td>XI</td>
<td>25</td>
<td>Computer applications for patient care delivery system and nursing practice</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Use of computers in teaching, learning, research and nursing practice.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Windows, MS office: Word, Excel, Power Point,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Internet, literature search,</td>
</tr>
<tr>
<td></td>
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<td>- Statistical packages,</td>
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<tr>
<td></td>
<td></td>
<td>- Hospital management information system: software’s.</td>
</tr>
</tbody>
</table>

**Practical**
Clinical posting in the following areas:

- Specialty area- in-patient unit - 3 weeks
- Community health center/PHC - 2 weeks
- Emergency/ICU - 2 weeks
Activities

• Prepare Case studies with nursing process approach and theoretical basis
• Presentation of comparative picture of theories
• Family case-work using model of prevention
• Annotated bibliography
• Report of field visits (5)

Methods of Teaching

• Lecture cum discussion
• Seminar
• Panel discussion
• Debate
• Case Presentations
• Exposure to scientific conferences
• Field visits

Methods of evaluation:

• Tests
• Presentation
• Seminar
• Written assignments

Advance nursing Procedures

Definition, Indication and nursing implications;

• CPR, TPN, Hemodynamic monitoring, Endotracheal intubation, Tracheotomy, medical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, BT Pleural and abdominal parenthesis OT techniques, Health assessment, Triage, Pulseoxymetry.

Internal Assessment

<table>
<thead>
<tr>
<th>Techniques</th>
<th>Weight age</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test- (2 tests)</td>
<td>30</td>
</tr>
<tr>
<td>Assignment /Seminar/presentation</td>
<td>20</td>
</tr>
</tbody>
</table>

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50

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**Recommended Books:**
1.) Taylor – Fundamentals of Nursing, 2007, LWW
3.) Potter – Basic Nursing, 2008, Elsevier
4.) Lynn – Taylor’s Clinical Nursing Skills, 2008, LWW

**Reference Books:**
1.) Craven – Fundamentals of Nursing, 2010, LWW
2.) Potter – Fundamentals of Nursing, 2009, Elsevier’s
3.) St John’s Ambulance – First AID, 2007, St John’s Ambulance Association.
4.) LWW – Lippincott’s Nursing Procedure, 2008, LWW.
5.) Jacob – Clinical Nursing Skills & Procedures, 2008, Jaypee
6.) Carpenito – Understanding Nursing Process, 2007, LWW
CLINICAL SPECIALITY – I

MEDICAL SURGICAL NURSING

Placement: 1st Year

Hours of instruction
- Theory: 150 Hours
- Practical: 750 Hours
- Total: 900 Hours
Course Description
This course is common for the students undergoing clinical speciality-II in neuroscience/nursing/cardiovascular & thoracic nursing/critical care nursing/oncology nursing/orthopedic and rehabilitation nursing/nephro & urology nursing, gastroenterology nursing/geriatric nursing.

It is designed to assist students in developing expertise and in depth knowledge in the field of medical Surgical Nursing. It will help students to appreciate the patient as a holistic individual and develop skill to function as a specialized Medical-Surgical Nurse. It will further enable the student to function as educator, manager and researcher in the field of Medical – Surgical Nursing.

Objectives
At the end of the course the students will be able to:

1. Appreciate the trends & issues in the field of Medical – Surgical Nursing as a speciality.
2. Apply concepts & theories related to health promotion.
3. Appreciate the client as a holistic individual.
4. Perform physical, psychosocial assessment of Medical – Surgical patients.
5. Apply Nursing process in providing care to patients.
6. Integrate the concept of family centered nursing care with associated disorder such as genetic, congenital and long-term illness.
7. Recognize and manage emergencies with Medical- Surgical patients.
8. Describe various recent technologies & treatment modalities in the management of critically ill patients.
9. Appreciate the legal & ethical issues relevant to Medical – Surgical Nursing.
10. Prepare a design for layout and management of Medical – Surgical Units.
11. Appreciate the role of alternative systems of Medicine in care of patients.
12. Incorporate evidence based Nursing practice and identify the areas of research in the field of Medical – Surgical Nursing.
13. Recognize the role of Nurse practitioner as a member of the Medical – Surgical health team.
14. Teach Medical – Surgical nursing to undergraduate nursing students & in-service nurses.

COURSE CONTENT:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>5</td>
<td><strong>Introduction:</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Historical development of Medical- Surgical Nursing in India.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Current status of health and disease burden in India.</td>
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<tr>
<td></td>
<td></td>
<td>- Current concept of health.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Trends &amp; issues in Medical – Surgical Nursing.</td>
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<td></td>
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<td>- Ethical &amp; cultural issues in Medical – Surgical Nursing.</td>
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<tr>
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<td>- Rights of patients.</td>
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<tr>
<td></td>
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<td>- National health policy, special laws &amp; ordinances relating to older people</td>
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<td>- National goals.</td>
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<tr>
<td></td>
<td></td>
<td>- Five year plans.</td>
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<tr>
<td></td>
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<td>- National health programs related to adult health.</td>
</tr>
<tr>
<td>Unit</td>
<td>Hours</td>
<td>Content</td>
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</tbody>
</table>
| II   | 20    | **Health Assessment of patients**  
- History taking.  
- Physical examination of various systems.  
- Nutritional assessment.  
- Related investigations and diagnostic assessment. |
| III  | 5     | **Care in hospital settings:**  
- Ambulatory care.  
- Acute and Critical care.  
- Long term care.  
- Home Health Care.  
- Characteristics, care models, practice settings, interdisciplinary team.  
- Hospitalization- effects of hospitalization on the patient & family.  
- Stressors & reactions related to disease process.  
- Nursing care using Nursing process approach. |
| IV   | 10    | **Management of patients with disorders of Gastrointestinal tract**  
- Review of anatomy and physiology.  
- Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis.  
- Health assessment- History taking, physical examination, investigation and diagnostic assessment.  
- Treatment modalities and trends.  
- Nursing management.  
- Related research studies.  
- Evidence based nursing practice.  
- Rehabilitation and follow-up. |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Management of patients with disorders of nervous system</th>
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</thead>
<tbody>
<tr>
<td>V</td>
<td>10</td>
<td>- Review of anatomy and physiology.</td>
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<tr>
<td></td>
<td></td>
<td>- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Health assessment-History taking, physical examination, investigation and diagnostic assessment.</td>
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<tr>
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<td>- Treatment modalities and trends.</td>
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<td>- Nursing management.</td>
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<td>- Related research studies.</td>
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<td>- Evidence based nursing practice.</td>
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<td></td>
<td></td>
<td>- Rehabilitation and follow-up.</td>
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<tr>
<td>VI</td>
<td>10</td>
<td>Management of patients with disorders of respiratory system</td>
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<tr>
<td></td>
<td></td>
<td>- Review of anatomy and physiology.</td>
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<tr>
<td></td>
<td></td>
<td>- Common disorders – etiology; pathophysiology; clinical manifestations, complications &amp; prognosis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Health Assessment – History taking, physical examination, investigation and diagnostic assessment.</td>
</tr>
<tr>
<td>VII</td>
<td>10</td>
<td>Management of patients with disorders of cardiovascular system</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Review of anatomy and physiology.</td>
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<tr>
<td></td>
<td></td>
<td>- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</td>
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<tr>
<td></td>
<td></td>
<td>- Health assessment-History taking, physical examination, investigation and diagnostic assessment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Treatment modalities and trends.</td>
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<tr>
<td></td>
<td></td>
<td>- Nursing management.</td>
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<tr>
<td>VIII</td>
<td>5</td>
<td>Management of patients with disorders of blood</td>
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<tr>
<td></td>
<td></td>
<td>- Review of anatomy and physiology.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Health assessment-History taking, physical examination, investigation and diagnostic assessment.</td>
</tr>
<tr>
<td>IX</td>
<td>10</td>
<td>Management of patients with disorders of genito urinary system</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Review of anatomy and physiology.</td>
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<tr>
<td></td>
<td></td>
<td>- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</td>
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<td></td>
<td>- Health assessment-History taking, physical examination, investigation and diagnostic assessment.</td>
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<tr>
<td>X</td>
<td>10</td>
<td>Management of patients with disorders of endocrine system</td>
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<tr>
<td></td>
<td></td>
<td>- Review of anatomy and physiology.</td>
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<tr>
<td></td>
<td></td>
<td>- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Health assessment-History taking, physical examination, investigation and diagnostic assessment.</td>
</tr>
<tr>
<td>XI</td>
<td>10</td>
<td>Management of patients with disorders of muscular-skeletal system</td>
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<tr>
<td></td>
<td></td>
<td>- Review of anatomy and physiology.</td>
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<tr>
<td></td>
<td></td>
<td>- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Health assessment-History taking, physical examination, investigation and diagnostic assessment.</td>
</tr>
<tr>
<td>Unit</td>
<td>Hours</td>
<td>Content</td>
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</tbody>
</table>
| XII  | 8     | **Management of patients with disorders of integumentary system**  
- Review of anatomy and physiology.  
- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.  
Health assessment-History taking, physical examination, investigation and diagnostic assessment. |
| XIII | 5     | **Management of patients with disorders of Eye and ENT**  
- Review of anatomy and physiology.  
- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.  
Nursing management.  
Related research studies.  
Evidence based nursing practice. |
| XIV  | 8     | **Management of patients with disorders of reproductive system**  
- Review of anatomy and physiology.  
- Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.  
Health assessment-History taking, physical examination, investigation and diagnostic assessment. |
| XV   | 8     | **Geriatric nursing**  
- Nursing Assessment-History and Physical assessment.  
- Ageing; Demography; Myths and realities.  
- Concepts and theories of ageing.  
- Cognitive Aspects of Ageing.  
- Normal biological ageing.  
- Age related body systems changes.  
- Psychosocial Aspects of Aging.  
- Medications and elderly.  
- Stress & coping in older adults.  
Common Health Problems & Nursing Management; |
| XVI  | 8     | **Management of patients with communicable and sexually transmitted diseases:**  
- Review of immune system.  
- Common Disorders of immune system – HIV/AIDS.  
- Review of infectious disease process.  
- Nursing management.  
- Related research studies.  
- Evidence based nursing practice. |
| XVII | 8     | **Emergency, trauma and multi-system organ failure**  
- DIC (disseminated intra vascular coagulation)  
- Trauma, burns, poisoning  
- Etiology, Pathophysiology, Clinical manifestations, complications, prognosis.  
Health assessment-History taking, physical examination, investigation and diagnostic assessment.  
- Treatment, ambulances, transport. |
Practical

Total = 750 Hours
1 Week = 30 Hours

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Dept/Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>General Medical Ward</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td></td>
<td>General Surgical Ward</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td></td>
<td>ICUs</td>
<td>6</td>
<td>180 Hours</td>
</tr>
<tr>
<td></td>
<td>Oncology</td>
<td>2</td>
<td>60 Hours</td>
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<td></td>
<td>Ortho</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td></td>
<td>Cardio</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td></td>
<td>Emergency Department</td>
<td>3</td>
<td>90 Hours</td>
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<tr>
<td></td>
<td>Neuro</td>
<td>2</td>
<td>60 Hours</td>
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<td></td>
<td><strong>Total</strong></td>
<td><strong>25 Weeks</strong></td>
<td><strong>750 Hours</strong></td>
</tr>
</tbody>
</table>

Student Activities:

- Clinical presentations
- History taking
- Health Assessment
- Nutritional Assessment
- Health Education related to disease conditions
- Case studies
- Project work
- Field visits

Weightage for Internal Assessment:

A  Theory  
  Term Test: 30  
  Assignment: 20

B  Practical
  
  Practical Examination : 50
  Clinical Evaluation : 20
  Project : 10
  Case study : 10
  Field /Observational visit : 10
Medical Surgical Nursing

Recommended Books:
1.) Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010,LWW
2.) Black – Medical Surgical Nursing, 2009, Elsevier

Reference Books:
1.) Davidson’s Principles & Practice of Medicine, 2010, Elsevier
2.) Nettina – Lippincott manual of Nursing Practice, 2009, LWW
3.) Bailey & Love Short Practice of Surgery, 2008, Hodder Arnold
4.) Lewis – Medical Surgical Nursing, 2008, Elsevier
5.) Timby – Introductory Medical Surgical Nursing, 2009, WK
6.) Das – Textbook of Surgery, SD Publishers
7.) Woods – Cardiac Nursing, 2010, LWW
8.) Hickey – Neurologic & Neurosurgical Nursing, 2009, LWW
9.) Morton – Critical Care Nursing, 2009, LWW
10.) Thelan’s Critical care Nursing, 2008, Elsevier
10.) Spring House – Medical Surgical Nursing Made Incredibly Easy, 2008, LWW
11.) Gulanick – Nursing care Plans, 2008, Elsevier
12.) Carpenito – Nursing Care Plans & Documentation, 2009, LWW
13.) Carlpenito – Nursing Diagnosis, 2009, LWW
14.) Webber – Health assessment In Nursing, 2010, WK
CLINICAL SPECIALTY –I

CHILD HEALTH (PAEDIATRIC) NURSING

Placement : 1st Year

Hours of Instruction
Theory : 150 Hours
Practical : 750 Hours
Total : 900 Hours

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of Pediatric Nursing. It will help students to appreciate the child as a holistic individual and develop skill to function as neonatal and pediatric nurse specialist. It will further enable the student to function as educator, manager, and researcher in the field of Pediatric nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate the history and developments in the field of pediatrics and pediatric nursing as a specialty
2. Apply the concepts of growth and development in providing care to the pediatric clients and their families.
3. Appreciate the child as a holistic individual
4. Perform physical, developmental, and nutritional assessment of pediatric clients
5. Apply nursing process in providing nursing care to neonates & children
6. Integrate the concept of family centered pediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illness.
7. Recognize and manage emergencies in neonates
8. Describe various recent technologies and treatment modalities in the management of high risk neonates
9. Appreciate the legal and ethical issues pertaining to pediatric and neonatal nursing
10. Prepare a design for layout and management of neonatal units
11. Incorporate evidence based nursing practice and identify the areas of research in the field of pediatric/neonatal nursing
12. Recognize the role of pediatric nurse practitioner and as a member of the pediatric and neonatal health team
13. Teach pediatric nursing to undergraduate students & in-service nurses
## Course Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>10</td>
<td><strong>Introduction</strong>&lt;br&gt;Historical development of Pediatrics and Pediatric Nursing in India;&lt;br&gt;Current status of child health in India;&lt;br&gt;Trends in Pediatrics and Pediatric Nursing,&lt;br&gt;Ethical and cultural issues in pediatric care&lt;br&gt;Rights of children&lt;br&gt;National health policy for children, special laws and ordinances relating to children.&lt;br&gt;National goals,&lt;br&gt;Five year plans,&lt;br&gt;National health programs related to child health.</td>
</tr>
<tr>
<td>II</td>
<td>10</td>
<td><strong>Assessment of pediatric clients</strong>&lt;br&gt;History taking&lt;br&gt;Developmental assessment&lt;br&gt;Physical assessment&lt;br&gt;Nutritional assessment&lt;br&gt;Family assessment</td>
</tr>
<tr>
<td>III</td>
<td>10</td>
<td><strong>Hospitalized child</strong>&lt;br&gt;Meaning of hospitalization of the child, preparation for hospitalization, effects of hospitalization on the child and family&lt;br&gt;Stressors and reactions related to developmental stages, play activities for ill hospitalized child.&lt;br&gt;Nursing care of hospitalized child and family -principles and practices</td>
</tr>
<tr>
<td>IV</td>
<td>15</td>
<td><strong>Pre-natal Pediatrics</strong>&lt;br&gt;Embryological and fetal development, Prenatal factors influencing growth and development of fetus.&lt;br&gt;Genetic patterns of common pediatric disorders, chromosomal aberrations, genetic assessment and counseling legal and ethical aspects of genetic, screening and counseling role of nurse in genetic counseling,&lt;br&gt;Importance of prenatal care and role of pediatric nurse.</td>
</tr>
<tr>
<td>V</td>
<td>15</td>
<td><strong>Growth and Development of children</strong>&lt;br&gt;Principles of growth and development,&lt;br&gt;Concepts and theories of growth and development,&lt;br&gt;Developmental tasks and special needs from infancy to adolescence, developmental milestones,&lt;br&gt;Assessment of growth and development of pediatric clients,&lt;br&gt;Factors affecting growth and development.</td>
</tr>
<tr>
<td>Unit</td>
<td>Hours</td>
<td>Content</td>
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</tr>
<tr>
<td>VI</td>
<td>15</td>
<td><strong>Behavioral Pediatrics and Pediatric Nursing</strong>&lt;br&gt;Parent child relationship,&lt;br&gt;Basic behavioral pediatric principles and specific behavioral pediatric concepts/disorders- maternal deprivation, failure to thrive, child abuse, the battered child,&lt;br&gt;Common behavioral problems and their management,&lt;br&gt;Child guidance clinic.</td>
</tr>
<tr>
<td>VII</td>
<td>15</td>
<td><strong>Preventive Pediatrics and Pediatric Nursing</strong>&lt;br&gt;Concept, aims and scope of preventive pediatrics,&lt;br&gt;Maternal health and its influence on child health antenatal aspects of preventive pediatrics,&lt;br&gt;Immunization, expanded program on immunization/universal immunization program and cold chain,&lt;br&gt;Nutrition and nutritional requirements of children, changing patterns of feeding, baby-friendly hospital initiative and exclusive breast feeding,&lt;br&gt;Health education, nutritional education for children&lt;br&gt;Nutritional programs&lt;br&gt;National and international organizations related to child health,&lt;br&gt;Role of pediatric nurse in the hospital and community.</td>
</tr>
<tr>
<td>VIII</td>
<td>30</td>
<td><strong>Neonatal Nursing</strong>&lt;br&gt;New born baby-profile and characteristics of the new born,&lt;br&gt;Assessment of the new born,&lt;br&gt;Nursing care of the new born at birth, care of the new born and family,&lt;br&gt;High risk newborn- pre term and term neonate and growth retarded babies,&lt;br&gt;Identification and classification of neonates with infections,HIV &amp; AIDS, Ophthalmia neonatorum, congenital syphilis.&lt;br&gt;High risk newborn- Identification, classification and nursing management&lt;br&gt;Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.</td>
</tr>
<tr>
<td>IX</td>
<td>30</td>
<td><strong>IMNCF</strong>&lt;br&gt;(Integrated management of neonatal and childhood illnesses)</td>
</tr>
</tbody>
</table>
Practical

Total = 750 Hours
1 Week = 30 Hours

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Dept./Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pediatric Medicine Ward</td>
<td>5</td>
<td>150 Hours</td>
</tr>
<tr>
<td>2</td>
<td>Pediatric Surgery Ward</td>
<td>5</td>
<td>150 Hours</td>
</tr>
<tr>
<td>3</td>
<td>Labor Room/Maternity Ward</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>4</td>
<td>Pediatric OPD</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>5</td>
<td>NICU</td>
<td>5</td>
<td>150 Hours</td>
</tr>
<tr>
<td>6</td>
<td>Creche</td>
<td>1</td>
<td>30 Hours</td>
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<tr>
<td>7</td>
<td>Child Guidance Clinic</td>
<td>1</td>
<td>30 Hours</td>
</tr>
<tr>
<td>8</td>
<td>Community</td>
<td>4</td>
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<tr>
<td></td>
<td>Total</td>
<td></td>
<td>750 Hours</td>
</tr>
</tbody>
</table>

**Student Activities**

- Clinical presentations
- Growth & developmental assessment
- Assessment & prescription of nursing interventions for sick children
- Health education related to disease conditions
- Nutritional assessment
- Project work
- Field visits

**Weightage for Internal Assessment:**

\[
\text{A Theory} \quad \text{Term Test: 30} \\
\quad \text{Assignment: 20}
\]

\[
\text{B Practical} \\
\quad \text{Practical Examination: 50} \\
\quad \text{Clinical Evaluation: 20} \\
\quad \text{Project: 10} \\
\quad \text{Case study: 10} \\
\quad \text{Field/ Observational visit: 10}
\]

**References**

- Bowden: Pediatric Nursing Procedures, 2E
- Potts R.O.: Pediatric Nursing With Cd, 2/E
- Springhouse: Maternal-Neonatal Nursing In A Flash
- Ricci S.S.: Maternity And Pediatric Nursing
CLINICAL SPECIALITY-I

OBSTETRIC AND GYNAECOLOGICAL NURSING

Placement: 1st year

Hours of Instruction
Theory: 150 Hours.
Practical: 750 Hours.
Total: 900 Hours.

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of Obstetric and Gynaecological Nursing. It will help students to appreciate the client as a holistic individual and develop skill to function as an independent midwifery practitioner. It will further enable the student to function as educator, manager, and researcher in the field of Obstetric and Gynaecological nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate the trends in the field of midwifery, obstetrics and gynecology as a speciality.
2. Describe the population dynamics and indicators of maternal and child health.
3. Describe the concepts of biophysical, psychological and spiritual aspects of normal pregnancy, labor and puerperium.
4. Provide comprehensive nursing care to women during reproductive period and newborns.
5. Integrate the concepts of family centered nursing care and nursing process approach in obstetric and gynaecological nursing.
6. Identify and analyze the deviations from normal birth process and refer appropriately.
7. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse.
8. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation.
9. Describe the role of various types of complementary and alternative therapies in obstetric and gynaecological nursing.
10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynaecological nursing.
11. Describe the recent advancement in contraceptive technology and birth control measures.
12. Appreciate the legal and ethical issues pertaining to obstetric and gynaecological nursing.
## Course Content

<table>
<thead>
<tr>
<th>Units</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| I     | 10    | **Introduction**  
• Historical and contemporary perspectives  
• Epidemiological aspects of maternal and child health  
• Magnitude of maternal and child health problems  
• Issues of maternal and child health: Age, Gender, Sexuality, psychological  
  Socio-cultural factors  
• Preventive obstetrics.  
• National health and family welfare programmes related to maternal and child health: health care delivery system- National Rural health mission,  
  Role of NGO’s  
• Theories, models and approaches applied to midwifery practice  
• Role and scope of midwifery practice: Independent Nurse midwifery practitioner  
• Legal and Ethical issues: Code of ethics and standards of midwifery practice, standing orders  
• Evidence based midwifery practice  
• Research priorities in obstetric and gynaecological nursing. |
| II    | 15    | **Human reproduction**  
• Review of anatomy and physiology of human reproductive system: male and female  
• Hormonal cycles  
• Embryology  
• Genetics, teratology and counseling  
• Clinical implications |
III 25

Pregnancy
- Maternal adaptation: Physiological, psychosocial
  - Assessment—Maternal and foetal measures
    - Maternal measures: History taking, examination—General, physical and obstetrical measure, identification of high risk,
    - Foetal measure—Clinical parameters, biochemical—Human estriol, Maternal Serum Alpha Feto Protein, Acetyl Choline esterase (AchE), Triple Test Amniocentesis, Amniocentesis, chorionic villus sampling (CVS).
    - Biophysical—US Imaging, Foetal movement count, Ultra Sonography, Cardiotocography, electrocardiography, Non Stress Test (NST), Contraction stress test (CST), amniocentesis, foetoscopy,
  - Radiological examination,
    - Interpretation of diagnostic tests and nursing implications
    - Nursing management of the pregnant women, minor disorders of pregnancy and management, preparation for child birth and parenthood, importance of institutional delivery, choice of birth setting, importance and mobilizing of transportation, prenatal counseling, role of nurse and crisis intervention, identification of high risk pregnancy and refer
    - Alternative/complementary therapies

IV 25

Normal Labour and nursing management:
- Essential factors of labour
- Stages and onset

First stage: Physiology of normal labour
- Use of partograph: Principles, use and critical analysis, evidence based studies
  - Analgesia and anaesthesia in labour
  - Nursing management

Second stage
- Physiology, intrapartum monitoring
  - Nursing management.
  - Resuscitation, immediate newborn care and initiate breast feeding (Guidelines of National Neonatology forum of India)

Third stage
- Physiology and nursing management

Fourth stage—Observation, critical analysis and Nursing management.
- Various child birth practice: water birth, position change etc
- Evidence based practice in relation to labour intervention

Role of nurse midwifery practitioner
- Alternative/complementary therapies
<table>
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<tr>
<th>Units</th>
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<th>Content</th>
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</table>
| V     | 20    | **Normal puerperium and nursing management**  
  - Physiology of puerperium  
  - Physiology of lactation, lactation management, exclusive breast feeding, Baby friendly hospital initiative (BFHI)  
  - Assessment of postnatal women  
  - Minor discomforts and complications of puerperium  
  - Management of mothers during puerperium: Postnatal exercises, Rooming in, bonding, warm chain  
  - Evidence based studies  
  Role of nurse midwifery practitioner  
  • Alternative/complementary therapies |
| VI    | 20    | **Normal Newborn**  
  - Physiology and characteristics of normal newborn  
  - Physical and Behavioural assessment of newborn  
  - Needs of newborn  
  - Essential newborn care: Exclusive breast feeding, Immunization, Hygiene measures, Newborn nutrition  
  - Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU  
  - Observation and care of newborn  
  - Parenting process |
| VII   | 10    | **Pharmacodynamics in obstetrics**  
  - Drugs used in pregnancy, labour, post partum and newborn  
  - Calculation of drug dose and administration  
  - Effects of drugs used  
  - Anesthesia and analgesia in obstetrics  
  - Roles and responsibilities of midwifery nurse practitioner  
  - Standing orders and protocols and use of selected life saving drugs and interventions of obstetric emergencies approved by the MOHFW |
| VIII  | 10    | **Family welfare services**  
  - Population dynamics  
  - Demography trends: vital statistics, calculation of indicators especially maternal and neonatal mortality rates and problems and other health problems  
  - Recent advancement in contraceptive technology  
  - Role of nurses in family welfare programmes in all settings  
  - Role of independent nurse midwifery practitioner  
  - Family life education  
  - Evidence based studies  
  - Information, Education and Communication (IEC)  
  - Management information and evaluation system (MIES)  
  - Teaching and supervision of health team members |
<table>
<thead>
<tr>
<th>Units</th>
<th>Hours</th>
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<tbody>
<tr>
<td>IX</td>
<td>5</td>
<td>Infertility</td>
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<td></td>
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<td>Primary and secondary causes</td>
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<td>Diagnostic procedures</td>
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<td></td>
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<td>Counseling: ethical and legal aspects of assisted reproductive technology (ART)</td>
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<td>Recent advancement in infertility management.</td>
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<td>Adoption procedures</td>
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<td>Role of nurses in infertility management.</td>
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<td>X</td>
<td>5</td>
<td>Menopause</td>
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<td>Physiological, psychological and social aspects</td>
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<tr>
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<td>Hormone Replacement Therapy</td>
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<td>Surgical menopause</td>
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<td></td>
<td>Counseling and guidance</td>
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<td>Role of midwifery nurse practitioner</td>
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<tr>
<td>XI</td>
<td>5</td>
<td>Abortion</td>
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<tr>
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<td>Types, causes</td>
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<td>Legislations, Clinical rights and professional responsibility</td>
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<td></td>
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<td>Abortion procedures</td>
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<td>Complications</td>
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<td></td>
<td>Nursing management</td>
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<td>Role of midwifery nurse practitioner</td>
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</table>
Practical

Total = 750 Hours
1 week = 30 Hours

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Dept./Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>Antenatal Wards &amp; OPDs</td>
<td>5</td>
<td>150</td>
</tr>
<tr>
<td>2</td>
<td>Labour Room</td>
<td>6</td>
<td>180</td>
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<tr>
<td>3</td>
<td>Postnatal Ward</td>
<td>2</td>
<td>60</td>
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<tr>
<td>4</td>
<td>Family Planning Clinics/Ward</td>
<td>2</td>
<td>60</td>
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<tr>
<td>5</td>
<td>PHC/Rural maternity settings</td>
<td>4</td>
<td>120</td>
</tr>
<tr>
<td>6</td>
<td>Gynaec OP/Ward</td>
<td>3</td>
<td>90</td>
</tr>
<tr>
<td>7</td>
<td>Maternity OT</td>
<td>2</td>
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<tr>
<td>8</td>
<td>NICU</td>
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<td></td>
<td><strong>Total</strong></td>
<td><strong>25 Weeks</strong></td>
<td><strong>750 Hours</strong></td>
</tr>
</tbody>
</table>

Procedures observed
- Diagnostic investigations: amniocentesis, chordocentesis, chorionic villi sampling
- Infertility management: artificial reproduction: artificial insemination, in vitro fertilization, and related procedures

Procedures assisted
- Medical termination of pregnancy,

Procedures performed
- Antenatal assessment-20
- Postnatal assessment-20
- Assessment during labour: use of partograph - 20
- Per vaginal examination-20
- Conduct of normal delivery-20
- Episiotomy and suturing-10
- Setting up of delivery areas
- Insertion of intra uterine devices (copper T) 5

Others
- Identification of high risk women and referral
- Health education: to women and their families
- Motivation of couples for planned parenthood
Weightage for Internal Assessment:

A  Theory  
Term Test:  30  
Assignment:  20  

B  Practical  
Practical Examination :  50  
Clinical Evaluation :  20  
Project :  10  
Case record /Case Study :  10  
Field visit/procedure :  10  

REFERENCES  
Paradic.R  Psychology For Midwives  
Pillitteri A  Maternal & Child Health Nursing 6Ed: Care Of The Childbearing & Childrearing Family Ie  
Orshan S.A.  Maternal, Newborn, And Women's Health Nursing: Comprehensive Care Across The Life Span  
Tiran  Bailliere's Midwives Dictionary, 11/E  
Ignatavicius D.D.  Medical Surgical Nursing, A Nursing Process Approach, Vol I & Ii  
Walsh  Essential Midwifery Practice - Intrapartum Care  
Elizabeth M.  Midwifery For Nurses  
Fraser  Myles Textbook For Midwives, 15/E Ie  
Ament  Professional Issues In Midwifery  
Paradice R.  Psychology For Midwives
CLINICAL SPECIALITY - I
COMMUNITY HEALTH NURSING

Placement : 1st Year

Hours of Instructions
Theory : 150 hours
Practical : 750 hours
Total : 900 hours

Course Description

The course is designed to assist students in developing expertise and in-depth understanding in the field of Community Health Nursing. It would help students to appreciate holistic lifestyle of individuals, families & groups and develop skills to function as Community Health Nurse specialist/practitioner. It would further enable student to function as an educator, manager and researcher in the field of Community Health nursing.

Objectives

At the end of the course, the student will be able to:

1. Appreciate the history and development in the field of Community Health and Community Health Nursing.
2. Appreciate role of individuals and families in promoting health of the Community.
3. Perform physical, developmental and nutritional assessment of individuals, families and groups.
4. Apply the concepts of promotive, preventive, curative and rehabilitative aspects of health while providing care to the people.
5. Apply nursing process approach while providing care to individuals, families, groups and community.
6. Integrate the concepts of family centered nursing approach while providing care to the community.
7. Recognize and participate in the management of emergencies, epidemics and disasters.
8. Apply recent technologies and care modalities while delivering community health nursing care.
9. Appreciate legal and ethical issues pertaining to community health nursing care.
10. Conduct community health nursing care projects.
11. Participate in planning, implementation and evaluation of various national health and family welfare programmes at local, state and the national level.
12. Incorporate evidence based nursing practice and identify the areas of research in the community settings.
13. Participate effectively as a member of Community Health team.
14. Coordinate and collaborate with various agencies operating in the community by using inter-sectoral approach.
15. Teach community health nursing to undergraduates, in-service nurses and the community health workers.
16. Demonstrate leadership and managerial abilities in community health nursing practice

**Course Content**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
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<tbody>
<tr>
<td>I</td>
<td>10</td>
<td><strong>Introduction</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Historical development of Community Health and Community health Nursing - World and India, various health and family welfare committees</td>
</tr>
<tr>
<td></td>
<td></td>
<td>✭ Current status, trends and challenges of Community Health Nursing</td>
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<td>✭ Health status of the Community-community diagnosis</td>
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<td>✭ Scope of Community health Nursing practice</td>
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<td>✭ Ethical and legal concepts and issues in community health nursing.</td>
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<tr>
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<td>✭ Public Health legislation – eg THE DRUG ACT COPRA, STATE PUBLIC HEALTH ACT, MUNICIPAL ACT, ENVIRONMENTAL ACT.</td>
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<td>✭ Socio-cultural issues in Community health Nursing</td>
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<td>✭ National Policies, plans and programmes</td>
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<tr>
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<td>• National health policy</td>
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<td>• National Population policy</td>
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<td>• National Health and welfare Programmes</td>
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<td>• National Health goals/ indicators/ Millennium developmental goals(MDG)/ Strategies</td>
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<td>• Planning process: Five year plans</td>
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<td>• National Rural Health Mission</td>
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<td>II</td>
<td>10</td>
<td><strong>Health</strong></td>
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<td>Concepts, issues</td>
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<td>Determinants</td>
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<td>Measurements</td>
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<td>Alternate systems for health promotion and management of health problems</td>
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<td></td>
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<td>Health economics</td>
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<td>Health technology</td>
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<td>Genetics and health</td>
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<td>Waste disposal</td>
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<td>Eco system</td>
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<td>III</td>
<td>15</td>
<td><strong>Population dynamics and control</strong></td>
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<td></td>
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<td>Demography</td>
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<td>Transition and theories of population</td>
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<td>National population policy</td>
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<td>National population programmes</td>
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<td>Population control and related programmes</td>
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<td>Methods of family limiting and spacing</td>
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<td>Research, Census, National Family Health Survey</td>
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<tr>
<td>Unit</td>
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</table>
| IV   | 30    | **Community health Nursing**  
|      |       | Philosophy, Aims, Objective, Concepts, Scope, Principles, Functions  
|      |       | Community health Nursing theories and models  
|      |       | Quality assurance: Community health Nursing standards, competencies, Monitoring community health nursing, nursing audits  
|      |       | Family nursing and Family centered nursing approach  
|      |       | Family health nursing process  
|      |       | Family health assessment  
|      |       | Diagnosis  
|      |       | Planning  
|      |       | Intervention  
|      |       | Evaluation  
|      |       | Community Health Nursing Process  
|      |       | Nursing care for special groups: children, adolescents, adults, women, elderly, physically and mentally challenged- Urban and rural population at large  
|      |       | Community nutrition  
|      |       | Concept, role and responsibilities of community health Nurse practitioners/nurse midwifery practitioners-decision making skills, professionalism, legal issues |
| V    | 45    | **Maternal and neonatal care**  
|      |       | IMNCI(Integrated Management of Neonatal And Childhood Illnesses) module  
|      |       | Skilled Birth Attendant (SBA) module |
| VI   | 15    | **Disaster nursing** (INC module on Reaching out: Nursing Care in emergencies) |
| VII  | 10    | **Information, education and communication**  
|      |       | IEC/BCC: Principles and strategies  
|      |       | Communication Skills  
|      |       | Management information and evaluation system: Records and reports  
|      |       | Information technology  
|      |       | Tele-medicine and tele-nursing  
|      |       | Journalism  
|      |       | Mass media  
<p>|      |       | Folk media |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</thead>
</table>
| VIII | 15    | Health care delivery system: Urban, rural, tribal and difficult areas  
Health organization: National, State, District, CHC, PHC, Sub Centre, Village  
- Functions, Staffing, pattern of assistance, layout, drugs,  
  Responsibilities of DPHNO  
Critical review of functioning of various levels,  
evaluation studies, recommendations and nursing perspectives  
Alternative systems of medicine  
Training and supervision of health workers |
|      | %     | Health agencies: NGO’s, Roles and functions  
%     | Inter-sectoral coordination  
%     | Public private partnership  
%     | Challenges of health care delivery system |
Practical

Total = 750 Hours
1 Week = 30 Hours

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Dept./Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>Sub-centre, PHC, CHC</td>
<td>14</td>
<td>420 Hours</td>
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<tr>
<td>2</td>
<td>District family welfare bureau</td>
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<td>30 Hours</td>
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<tr>
<td>3</td>
<td>Urban centers</td>
<td>7</td>
<td>210 Hours</td>
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<tr>
<td>4</td>
<td>Field visits</td>
<td>3</td>
<td>90 Hours</td>
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<td><strong>Total</strong></td>
<td><strong>25 Weeks</strong></td>
<td><strong>750 Hours</strong></td>
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</tbody>
</table>

Student Activities

- Identification of community leaders and resource persons (community mapping)
- Community health survey
- Community health nursing process - individual, family and special groups and community
- Counseling
- Health education – campaign, exhibition, folk media, preparation of IEC materials
- Organizing and participating in special clinics/camps and national health and welfare programmes - Organize at least one health and family welfare mela/fair (all stalls of national health and family welfare activities should be included)
- Estimation of Vital health statistics - Exercise
- Drill for disaster preparedness
- Organize at least one in-service education to ANM’s/LHV/PHN/HW
- Nutrition – Exercise on nutritional assessment on dietary planning, demonstration and education for various age groups
- Filling up of Records, reports and registers maintained at SC/PHC/CHC
- Assist women in self breast examination
- Conduct antenatal examination
- Conduct vaginal examination
- Conduct deliveries
- Post natal visits
- Perform Episiotomy and suturing
- Prepare Pap smear
- Conduct Insertion/Removal of IUD
- Blood Slide preparation
- Field visits
- Maintenance of log book for various activities
**Weightage for Internal Assessment:**

<table>
<thead>
<tr>
<th>A</th>
<th>Theory</th>
<th>Term Test: 30</th>
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<tbody>
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<td>Assignment: 20</td>
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<tr>
<th>B</th>
<th>Practical</th>
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<tbody>
<tr>
<td></td>
<td><strong>Practical Examination</strong> : 50</td>
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<tr>
<td></td>
<td><strong>Clinical Evaluation</strong> : 20</td>
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<td></td>
<td><strong>Project</strong> : 10</td>
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<td><strong>Case study</strong> : 10</td>
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<tr>
<td></td>
<td><strong>Field/ Observational visit</strong> : 10</td>
</tr>
</tbody>
</table>

**Community Health Nursing**

**Recommended Books**

1. Park – Social and Preventive Medicine, Bannott Publishers

**Reference Books**

1. Allender – Community Health Nursing, 2009, LWW
2. Stanhope – Community Health Nursing, 2008, Elsevier
3. Anderson – Community as Partner, 2009, LWW
4. Deim – Community Health Projects, 2006, Lippincott
CLINICAL SPECIALITY – I

MENTAL HEALTH (PSYCHIATRIC) NURSING

Placement: 1st Year

Hours of Instruction
Theory: 150 hours
Practical 750 hours
Total: 900 hours

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of Psychiatric Nursing. It will help students to appreciate the client as a holistic individual and develop skill to function psychiatric nurse specialist. It will further enable the student to function as educator, manager, and researcher in the field of Psychiatric nursing

Objectives

At the end of the course the students will be able to:

1. Appreciate the trends and issues in the field of psychiatry and psychiatric nursing.
2. Explain the dynamics of personality development and human behavior.
3. Describe the concepts of psychobiology in mental disorders and its implications for psychiatric nursing
4. Demonstrate therapeutic communications skills in all interactions
5. Demonstrate the role of psychiatric nurse practitioner in various therapeutic modalities
6. Establish and maintain therapeutic relationship with individual and groups
7. Uses assertive techniques in personal and professional actions
8. Promotes self-esteem of clients, others and self
9. Apply the nursing process approach in caring for patients with mental disorders
10. Describe the psychopharmacological agents, their effects and nurses role
11. Recognize the role of psychiatric nurse practitioner and as a member of the psychiatric and mental health team
12. Describe various types of alternative system of medicines used in psychiatric settings
13. Incorporate evidence based nursing practice and identifies the areas of research in the field of psychiatric nursing
<table>
<thead>
<tr>
<th>Units</th>
<th>Hours</th>
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<tbody>
<tr>
<td>I</td>
<td>15</td>
<td><strong>Introduction</strong>&lt;br&gt;Mental Health and Mental Illness&lt;br&gt;Historical perspectives&lt;br&gt;Trends, issues and magnitude&lt;br&gt;Contemporary practices&lt;br&gt;Mental health laws/Acts&lt;br&gt;National mental health program -National mental health authority, state mental health authority&lt;br&gt;Human rights of mentally ill&lt;br&gt;Mental Health/ Mental Illness Continuum&lt;br&gt;Classification of mental illnesses-ICD, DSM&lt;br&gt;Standards of Psychiatric nursing&lt;br&gt;Challenges and Scope of psychiatric nursing&lt;br&gt;Multi-disciplinary team and role of nurse&lt;br&gt;Role of psychiatric nurse- extended and expanded</td>
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<tr>
<td>II</td>
<td>10</td>
<td><strong>Concepts of Psychobiology</strong>&lt;br&gt;The Nervous System:&lt;br&gt;•An Anatomical Review&lt;br&gt;•The Brain and limbic system&lt;br&gt;•Nerve Tissue&lt;br&gt;•Autonomic Nervous system&lt;br&gt;•Neurotransmitters&lt;br&gt;Neuroendocrinology&lt;br&gt;•Pituitary, Thyroid Gland&lt;br&gt;•Circadian Rhythms&lt;br&gt;Genetics&lt;br&gt;Neuro psychiatric disorders&lt;br&gt;Psycho-immunology&lt;br&gt;•Normal Immune response&lt;br&gt;•Implications for psychiatric Illness&lt;br&gt;Implications for Nursing</td>
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<tr>
<td>III</td>
<td>10</td>
<td><strong>Theories of Personality Development and relevance to nursing practice</strong>&lt;br&gt;Psychoanalytic Theory- Freud’s&lt;br&gt;Interpersonal Theory-Sullivan’s&lt;br&gt;Theory of Psychosocial Development-Erikson’s&lt;br&gt;Theory of object relations&lt;br&gt;Cognitive Development Theory&lt;br&gt;Theory of Moral Development&lt;br&gt;A Nursing Model-Hildegard E.Peplau</td>
</tr>
<tr>
<td>Units</td>
<td>Hours</td>
<td>Content</td>
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</tbody>
</table>
| IV    | 5     | **Stress and its management**  
An introduction to the concepts of stress  
Psychological Adaptation to stress  
Stress as a Biological Response.  
Stress as an Environmental Event. | |

|                      | Stress as Transaction between the Individual and the Environment.  
Stress management. | |
| V                  | 10    | **Therapeutic communication and interpersonal relationship**  
Review communication process, factors affecting communication  
Communication with individuals and in groups  
Techniques of therapeutic communication-touch therapy  
Barrier of communication with specific reference to psychopathology  
Therapeutic attitudes  
Dynamics of a therapeutic Nurse-client relationship; Therapeutic use of self Gaining self-awareness  
Therapeutic nurse-patient relationship its phases ; Conditions essential to development of a therapeutic relationship  
Therapeutic impasse and its management | |

| VI                 | 10    | **Assertive Training**  
Assertive Communication  
Basic Human Rights  
Response Patterns  
•(Non assertive Behavior  
•Assertive Behavior  
•Aggressive Behavior  
•Passive-Aggressive Behavior)  
Behavioral Components of Assertive Behavior  
Techniques that Promote Assertive Behavior  
Thought-Stopping Techniques Method | |

|                      | Role of The Nurse | |
| VII                | 10    | **Promoting Self-Esteem**  
Components of Self-Concept  
The Development of Self-Esteem  
The Manifestations of Low-Self-Esteem Boundaries | |

<p>|                      | Role of The Nurse |</p>
<table>
<thead>
<tr>
<th>Units</th>
<th>Hours</th>
<th>Content</th>
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</thead>
</table>
| VIII  | 5     | **Women and Mental Health**  
  - Normal reaction to conception, pregnancy and puerperium  
  - Problems related to conception, pregnancy and puerperium and its management.  
  - Counseling – Premarital, marital and genetic |
| IX    | 10    | **The nursing process in psychiatric/mental health nursing**  
  - Mental health assessment- History taking, mental status examination  
  - Physical and neurological examination  
  - Psychometric assessment  
  - Investigations, Diagnosis and Differential diagnosis  
  - Interpretation of investigations  
  - Nurse’s role |
| X     | 35    | **Psycho social and physical therapies**  
  - Individual therapy  
  - Behavioural Therapy- Relaxation therapy, cognitive therapy, positive-negative reinforcement, bio-feedback, guided imagery, ab-reactive therapy  
  - Group Therapy  
  - Family Therapy |
| XI    | 5     | **Electro convulsive Therapy**  
  - Historical Perspectives  
  - Indications  
  - Contraindications  
  - Mechanisms of Action  
  - Side Effects  
  - Risks Associated with Electroconvulsive Therapy |
| XII   | 10    | **Psycho pharmacology**  
  - Historical Perspectives  
  - Role of a Nurse in Psychopharmacological Therapy  
  - Anti anxiety Agents  
  - Antidepressants Agents  
  - Mood stabilizers  
  - Anti psychotics |
| XIII  | 15    | **Alternative systems of medicine in mental health**  
  - Types of Therapies  
  - Herbal Medicine  
  - Unani  
  - Siddha  
  - Homeopathic  
  - Acupressure and Acupuncture |
Practical

Total = 750 Hours
1 Week = 30 Hours

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Area of Posting</th>
<th>No. of Week</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Acute Psychiatric Ward</td>
<td>6</td>
<td>180 Hours</td>
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<tr>
<td>2</td>
<td>Chronic Psychiatric ward</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>3</td>
<td>Psychiatric Emergency Unit</td>
<td>2</td>
<td>60 Hours</td>
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<td>4</td>
<td>O.P.D</td>
<td>3</td>
<td>90 Hours</td>
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<tr>
<td>5</td>
<td>Family Psychiatric Unit</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>6</td>
<td>Community Mental Health Unit</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>7</td>
<td>Rehabilitation / Occupational Therapy Unit/ Half way home/ Day care centre</td>
<td>4</td>
<td>120 Hours</td>
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<td><strong>Total</strong></td>
<td><strong>25 Weeks</strong></td>
<td><strong>750 Hours</strong></td>
</tr>
</tbody>
</table>

**Student Activities**

- History taking
- Mental health assessment
- Psychometric assessment
- Personality assessment
- Process recording
- Therapies- Group Therapy
- Family Therapy
- Psychotherapy
- Milieu Therapy
- The Therapeutic Community
- Occupational therapy
- Recreational therapy
- Play therapy
- Music therapy
- Pet therapy
- Counseling
- Assisted ECT
- Assisted EEG
- Case studies
- Case presentation
- Project work
- Socio and psycho drama
- Field visits
Weightage for Internal Assessment:

A Theory

Term Test: 30
Assignment: 20

B Practical

Practical Examination: 50
Clinical Evaluation: 20
Project: 10
Case study: 10
Field/ Observational visit: 10

REFERENCES


NURSING RESEARCH AND STATISTICS

Placement: 1st Year

Hours of Instruction
- Theory: 150 Hours
- Practical: 150 Hours
- Total: 300 Hours

Part-A: Nursing Research

- Theory: 100 Hours
- Practical: 100 Hours
- Total: 200 Hours

Course Description:

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General Objectives:

At the end of the course, the students will be able to:

1. Define basic research terms and concepts.
2. Review literature utilizing various sources
3. Describe research methodology
4. Develop a research proposal.
5. Conduct a research study.
6. Communicate research findings
7. Utilize research findings
8. Critically evaluate nursing research studies.
9. Write scientific paper for publication.
<table>
<thead>
<tr>
<th>Unit</th>
<th>Theory</th>
<th>Practical</th>
<th>Course Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>10</td>
<td></td>
<td><strong>Introduction:</strong>&lt;br&gt;Methods of acquiring knowledge – problem solving and scientific method.&lt;br&gt;Research – Definition, characteristics, purposes, kinds of research&lt;br&gt;Historical Evolution of research in nursing&lt;br&gt;Basic research terms&lt;br&gt;Scope of nursing research: areas, problems in nursing, health and social research&lt;br&gt;Concept of evidence based practice&lt;br&gt;Ethics in research&lt;br&gt;Overview of Research process</td>
</tr>
<tr>
<td>II</td>
<td>5</td>
<td>5</td>
<td><strong>Review of Literature</strong>&lt;br&gt;Importance, purposes, sources, criteria for selection of resources and steps in reviewing literature.</td>
</tr>
<tr>
<td>III</td>
<td>12</td>
<td>10</td>
<td><strong>Research Approaches and designs</strong>&lt;br&gt;Type: Quantitative and Qualitative&lt;br&gt;Historical, survey and experimental –Characteristics, types advantages and disadvantages&lt;br&gt;Qualitative: Phenomenology, grounded theory, ethnography</td>
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<tr>
<td>IV</td>
<td>10</td>
<td>5</td>
<td><strong>Research problem:</strong>&lt;br&gt;Identification of research problem&lt;br&gt;Formulation of problem statement and research objectives&lt;br&gt;Definition of terms&lt;br&gt;Assumptions and delimitations&lt;br&gt;Identification of variables&lt;br&gt;Hypothesis – definition, formulation and types.</td>
</tr>
<tr>
<td>V</td>
<td>5</td>
<td>15</td>
<td><strong>Developing theoretical/conceptual framework.</strong>&lt;br&gt;Theories: Nature, characteristics, Purpose and uses&lt;br&gt;Using, testing and developing conceptual framework, models and theories.</td>
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<td>Unit</td>
<td>Hours</td>
<td>Course Content</td>
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<td>Theory</td>
<td>Practical</td>
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<tr>
<td>VI</td>
<td>6</td>
<td>Sampling</td>
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<td></td>
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<td>- Population and sample</td>
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<td>- Factors influencing sampling</td>
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<td>- Sampling techniques</td>
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<td>- Sample size</td>
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<td>- Probability and sampling error</td>
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<td>- Problems of sampling</td>
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<td>VII</td>
<td>20</td>
<td>Tools and methods of Data collection:</td>
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<td></td>
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<td>- Concepts of data collection</td>
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<td>- Data sources, methods/techniques quantitative</td>
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<td>- Tools for data collection – types, characteristics and their development</td>
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<td>- Validity and reliability of tools</td>
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<td>- Procedure for data collection</td>
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<td>VIII</td>
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<td>Implementing research plan</td>
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<td>- Pilot Study, review research plan (design), planning for data collection, administration of tool/interventions, collection of data</td>
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<td>IX</td>
<td>10</td>
<td>Analysis and interpretation of data</td>
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<td>- Plan for data analysis: quantitative and qualitative</td>
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<td>- Preparing data for computer analysis and presentation.</td>
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<td>- Statistical analysis</td>
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<td>- Interpretation of data</td>
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<td>- Conclusion and generalizations</td>
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<td>- Summary and discussion</td>
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<td>X</td>
<td>10</td>
<td>Reporting and utilizing research findings:</td>
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<td>- Communication of research results; oral and written</td>
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<td>- Writing research report purposes, methods and style- vancouver, American Psychological Association(APA), Campbell etc</td>
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<td>- Writing scientific articles for publication: purposes &amp; style</td>
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<tr>
<td>XI</td>
<td>3</td>
<td>Critical analysis of research reports and articles</td>
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<tr>
<td>XII</td>
<td>4</td>
<td>Developing and presenting a research proposal</td>
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</table>

Activities:

- Annotated Bibliography of research reports and articles.
- Review of literature of selected topic and reporting
- Formulation of problem statement, objective and hypothesis
- Developing theoretical/conceptual framework.
- Preparation of a sample research tool
• Analysis and interpretation of given data
• Developing and presenting research proposal
• Journal club presentation
• Critical evaluation of selected research studies
• Writing a scientific paper.

Method of Teaching

• Lecture-cum-discussion
• Seminar/Presentations
• Project
• Class room exercises
• Journal club

Methods of Evaluation

• Quiz, Tests (Term)
• Assignments/Term paper
• Presentations
• Project work

Internal Assessment

<table>
<thead>
<tr>
<th>Weightage</th>
<th>(25 marks)</th>
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<tbody>
<tr>
<td>Term Test (2 tests)</td>
<td>10</td>
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<tr>
<td>Assignment/presentation</td>
<td>10</td>
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<tr>
<td>project</td>
<td>5</td>
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<tr>
<td>Total</td>
<td>25</td>
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</table>
Part –B : Statistics

Hours of Instruction
Theory : 50 Hours
Practical : 50 Hours
Total : 100 Hours

Course Description

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing.

General Objectives

At the end of the course the students will be able to:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully.
4. Use descriptive and inferential statistics to predict results.
5. Draw conclusions of the study and predict statistical significance of the results.
7. Use statistical packages for data analysis
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Theory</th>
<th>Practical</th>
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<tbody>
<tr>
<td>I</td>
<td>7</td>
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<td>Introduction:</td>
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<td></td>
<td></td>
<td>Concepts, types, significance and scope of statistics, meaning data, sample, parameter type and levels of data and their measurement Organization and presentation of data – Tabulation of data; Frequency distribution Graphical and tabular presentations.</td>
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<td>II</td>
<td>4</td>
<td>4</td>
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<td></td>
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<td>Measures of central tendency:</td>
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<td>Mean, Median, Mode</td>
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<td>III</td>
<td>4</td>
<td>5</td>
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<td>Measures of variability:</td>
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<td>Range, Percentiles, average deviation, quartile deviation, standard deviation</td>
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<td>IV</td>
<td>3</td>
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<td>Normal Distribution:</td>
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<td>Probability, characteristics and application of normal probability curve; sampling error.</td>
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<td>V</td>
<td>6</td>
<td>8</td>
<td>8</td>
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<tr>
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<td>Measures of relationship:</td>
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<td></td>
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<td>Correlation – need and meaning Rank order correlation; Scatter diagram method Product moment correlation Simple linear regression analysis and prediction.</td>
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<td>VI</td>
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<td>Designs and meaning:</td>
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<td>Experimental designs Comparison in pairs, randomized block design, Latin squares.</td>
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<td>VII</td>
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<td>Significance of Statistic and Significance between two Statistics (Testing hypothesis ) Non parametric test – Chi-square test, Sign, median test, Mann Whitney test. Parametric test – ‘t’ test, ANOVA, MANOVA, ANCOVA</td>
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<td>VIII</td>
<td>5</td>
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<td></td>
<td>Use of statistical methods in psychology and education:</td>
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<tr>
<td>Unit</td>
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<td>Course Content</td>
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<tr>
<td></td>
<td>Theory</td>
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<tr>
<td>IX</td>
<td>4</td>
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</tbody>
</table>
|      | Application of statistics in health:  
|      | Ratios, Rates, Trends  
|      | Vital health statistics – Birth and death rates.  
|      | Measures related to fertility, morbidity and mortality |
| X    | 4      | 8            |
|      | Use of Computers for data analysis  
|      | Use of statistical package. |

**Activities**

- Exercises on organization and tabulation of data,
- Graphical and tabular presentation of data
- Calculation of descriptive and inferential statistics (chi square, t-test, correlation)
- Practice in using statistical package
- Computing vital health statistics

**Methods of Teaching:**

- Lecture-cum-discussion
- Demonstration–on data organization, tabulation, calculation of statistics, use of statistical package, Classroom exercises, organization and tabulation of data,
- Computing Descriptive and inferential statistics; vital and health statistics and use of computer for data entry and analysis using statistical package.

**Methods of Evaluation**

- Test, Classroom statistical exercises.

**Internal Assessment**

*Weight age 25 marks*

**Test – (2 tests)** 25
Recommended Books:

1.) Polit – Nursing Research ,2007,LWW
2.) Polit – Essentials of Nursing Research ,2009,LWW

Reference Books:

1.) Kothari – Research Methodology,2007,Newage Publishers
3.) Macnee – Understanding Nursing Research,2007,LWW
4.) Burns – Practice of Nursing Research ,2009,Elsevier
5.) Plitcha – Statistics for Nursing & allied Health Sciences, Lippincott.
6.) Munro – Statistical Method for Health care Research ,2006

Anthony D. 
Understanding Advanced Statistics : A Guide For Nurses 
And Health Care Researchers

Brink P.J. 
Basic Steps In Planning Nursing Research (From Question To Proposal), 5E
NURSING MANAGEMENT

Placement: II Year

Hours of Instruction
Theory: 150 Hours
Practical: 150 Hours
Total: 300 Hours

Course Description

This course is designed to assist students to develop a broad understanding of Principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

Objectives

At the end of the course, students will be able to:

1. Describe the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public administration, health care administration vis a vis nursing administration
4. Describe the principles of administration applied to nursing
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Collaborate and co-ordinate with various agencies by using multi-sectoral approach
7. Discuss the planning, supervision and management of nursing workforce for various health care settings.
8. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care
9. Identify and analyze legal and ethical issues in nursing administration
10. Describe the process of quality assurance in nursing services.
11. Demonstrate leadership in nursing at various levels
# Course Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| I 10 | Introduction | Philosophy, purpose, elements, principles and scope of administration  
Indian Constitution, Indian Administrative system vis a vis health care delivery system: National, State and Local  
Organization and functions of nursing services and education at National, State, District and institutions: Hospital and Community  
Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH and plans, |
| II 10 | Management | Functions of administration  
Planning and control  
Co-ordination and delegation  
Decision making – decentralization basic goals of decentralization.  
Concept of management  
Nursing management  
Concept, types, principles and techniques  
Vision and Mission Statements  
Philosophy, aims and objective  
Current trends and issues in Nursing Administration  
Theories and models  
Application to nursing service and education |
| III 15 | Planning | Planning process: Concept, Principles, Institutional policies  
Mission, philosophy, objectives,  
Strategic planning  
Operational plans  
Management plans  
Programme evaluation and review technique(PERT), Gantt chart, Management by objectives(MBO)  
Planning new venture  
Planning for change  
Innovations in nursing  
Application to nursing service and education |
| IV 15 | Organization | Concept, principles, objectives, Types and theories, Minimum requirements for organization, Developing an organizational Structure, levels, organizational Effectiveness and organizational Climate,  
Organising nursing services and patient care: Methods of patient assignment-Advantages and disadvantages, primary nursing care,  
Planning and Organising: hospital, unit and ancillary services(specifically central sterile supply department, laundry, kitchen, laboratory services, emergency etc) |
<table>
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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<tr>
<td>%</td>
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<td>Disaster management: plan, resources, drill, etc</td>
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<td>Application to nursing service and education</td>
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<tr>
<td>V</td>
<td>15</td>
<td><strong>Human Resource for health</strong></td>
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<td><strong>Staffing</strong></td>
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<td>• Philosophy</td>
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<td>• Norms: Staff inspection unit (SIU), Baja Committee, High power committee, Indian nursing council (INC)</td>
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<td>• Estimation of nursing staff requirement- activity analysis</td>
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<td>• Various research studies</td>
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<td></td>
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<td>Recruitment: credentialing, selection, placement, promotion</td>
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<td>Retention</td>
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<td>Personnel policies</td>
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<td>Termination</td>
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<td>Staff development programme</td>
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<td>Duties and responsibilities of various category of nursing personnel</td>
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<td>Applications to nursing service and education</td>
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<td>VI</td>
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<td><strong>Directing</strong></td>
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<td><strong>Roles and functions</strong></td>
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<td>Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories</td>
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<td>Communication: process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations</td>
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<td>Delegation; common delegation errors</td>
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<td></td>
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<td>Managing conflict: process, management, negotiation, consensus</td>
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<td></td>
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<td>Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager</td>
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<td></td>
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<td>Occupational health and safety</td>
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<tr>
<td></td>
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<td>Application to nursing service and education</td>
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<tr>
<td>VII</td>
<td>10</td>
<td><strong>Material management</strong></td>
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<tr>
<td></td>
<td></td>
<td>Concepts, principles and procedures</td>
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<tr>
<td></td>
<td></td>
<td>Planning and procurement procedures: Specifications</td>
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<tr>
<td></td>
<td></td>
<td>ABC analysis,</td>
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<td></td>
<td></td>
<td>VED (very important and essential daily use) analysis</td>
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<td></td>
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<td>Planning equipments and supplies for nursing care: unit and hospital</td>
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<td>Inventory control</td>
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<td>Condemnation</td>
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<td>Application to nursing service and education</td>
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<tr>
<td>Unit</td>
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</table>
| VIII | 15    | **Controlling**  
Quality assurance – Continuous Quality Improvement  
- Standards  
- Models  
- Nursing audit  
Performance appraisal: Tools, confidential reports, formats, Management, interviews  
Supervision and management: concepts and principles  
Discipline: service rules, self discipline, constructive versus destructive discipline, problem employees, disciplinary proceedings- enquiry etc  
Self evaluation or peer evaluation, patient satisfaction, utilization review  
Application to nursing service and education |
| IX   | 15    | **Fiscal planning**  
Steps  
Plan and non-plan, zero budgeting, mid-term appraisal, capital and revenue  
Budget estimate, revised estimate, performance budget  
Audit  
Cost effectiveness  
Cost accounting  
Critical pathways  
Health care reforms  
Health economics  
Health insurance  
Budgeting for various units and levels  
Application to nursing service and education |
| X    | 10    | **Nursing informatics**  
Trends  
General purpose  
Use of computers in hospital and community  
Patient record system  
Nursing records and reports  
Management information and evaluation system (MIES)  
E- nursing, Telemedicine, telenursing  
Electronic medical records |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Leadership</th>
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<tbody>
<tr>
<td>XI</td>
<td>10</td>
<td>Concepts, Types, Theories</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Styles</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Manager behaviour</td>
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<td>Leader behaviour</td>
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<tr>
<td></td>
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<td>Effective leader: Characteristics, skills</td>
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<tr>
<td></td>
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<td>Group dynamics</td>
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<tr>
<td></td>
<td></td>
<td>Power and politics</td>
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<td>lobbying</td>
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<td>Critical thinking and decision making</td>
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<td>Stress management</td>
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<td>Applications to nursing service and education</td>
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<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Legal and ethical issues</th>
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<tr>
<td>XII</td>
<td>10</td>
<td>Laws and ethics</td>
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<tr>
<td></td>
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<td>Ethical committee</td>
</tr>
<tr>
<td></td>
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<td>Code of ethics and professional conduct</td>
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<tr>
<td></td>
<td></td>
<td>Legal system: Types of law, tort law, and liabilities</td>
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<tr>
<td></td>
<td></td>
<td>Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character</td>
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<td></td>
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<td>Patient care issues, management issues, employment issues</td>
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<td>Medico legal issues</td>
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<td>Nursing regulatory mechanisms: licensure, renewal, accreditation</td>
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<td>Patients rights, Consumer protection act(CPA)</td>
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<td>Rights of special groups: children, women, HIV, handicap, aging</td>
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<td>Professional responsibility and accountability</td>
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<td>Infection control</td>
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<td>Standard safety measures</td>
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</tbody>
</table>

**PRACTICALS**

- Prepare prototype personal files for staff nurses, faculty and cumulative records
- Preparation of budget estimate, revised estimate and performance budget
- Plan and conduct staff development programme
- Preparation of Organization Chart
- Developing nursing standards/protocols for various units
- Design a layout plan for speciality units /hospital, community and educational institutions
- Preparation of job description of various categories of nursing personnel
- Prepare a list of equipments and supplies for speciality units
- Assess and prepare staffing requirement for hospitals, community and educational institutions
- Plan of action for recruitment process
- Prepare a vision and mission statement for hospital, community and educational institutions
- Prepare a plan of action for performance appraisal
- Identify the problems of the speciality units and develop plan of action by using problem solving approach
- Plan a duty roster for speciality units/hospital, community and educational institutions
- Prepare: anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurses notes, Official letters, curriculum vitae, presentations Etc.,
- Prepare a plan for disaster management
- Group work
- Field appraisal report

*Weightage for Internal Assessment*

<table>
<thead>
<tr>
<th>A Theory</th>
<th>Term Test: 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Project/ Assignment: 20</td>
<td></td>
</tr>
</tbody>
</table>

*Nursing Management*

**Recommended Books:**

2.) Marquis – Leadership Roles & Management Functions in Nursing, 2008, LWW
3.) Basavanthappa – Nursing Administration, 2009, Jaypee.

**Reference Books:**

1.) Huber – Nursing Management & Leadership ,2008,Elsevier
2.) Marriner – Guide to Nursing management ,2008,Elsevier
3.) Powell – Case Management,2009,LWW
4.) Ellis – Managing and coordinating Nursing,2009,WK
CLINICAL SPECIALITY – II MEDICAL SURGICAL NURSING

SUB SPECIALITY – CARDIO VASCULAR AND THORACIC NURSING

Placement : II year                                                                               Hours of Instruction
Theory : 150 hours
Practical :1050 hours
Total : 1200 hours.

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of cardiovascular and thoracic nursing. It will help students to develop advanced skills for nursing intervention in various cardio medical and surgical conditions. It will enable the student to function as Cardiovascular and Thoracic Nurse practitioner/specialist. It will further enable the student to function as educator, manager and researcher in the field of cardiovascular and thoracic nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate trends and issues related to cardiovascular and thoracic Nursing.
2. Describe the epidemiology, etiology, psychology and diagnostic assessment of cardiovascular and thoracic conditions.
3. Participate in national health programs for health promotion, prevention and rehabilitation of patients with cardiovascular and thoracic conditions.
4. Perform physical, psychosocial & spiritual assessment.
5. Assist in various diagnostic, therapeutic and surgical procedures.
6. Apply nursing process in providing comprehensive care to patients with cardiovascular and thoracic conditions.
7. Demonstrate advance skills/competence in managing patients with cardiovascular and thoracic conditions including Advance Cardiac Life Support.
8. Describe the various drugs used in cardiovascular and thoracic conditions and nurses responsibility.
9. Demonstrate skill in handling various equipments/gadgets used for critical care of cardiovascular and thoracic patients.
10. Appreciate team work & coordinate activities related to patient care.
11. Practice infection control measures.
12. Identify emergencies and complications & take appropriate measures.
13. Discuss the legal and ethical issues in cardiovascular and thoracic nursing.
14. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs.
15. Appreciate the role of alternative system of medicine in care of patient.
16. Incorporate evidence based nursing practice and identify the areas of research in the field of cardiovascular and thoracic nursing
17. Identify the sources of stress and manage burnout syndrome among health care providers.
18. Teach and supervise nurses and allied health workers.

**Content Outline**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</thead>
</table>
| I    | 5     | **Introduction**  
  Historical development, trends and issues in the field of cardiology.  
  Cardiovascular and thoracic conditions – major health problem.  
  Concepts, principles and nursing perspectives  
  Ethical and legal issues  
  Evidence based nursing and its application in cardiovascular and thoracic nursing( to be incorporated in all the units) |
| II   | 5     | **Epidemiology**  
  Risk factors: hereditary, psycho social factors, hypertension, smoking, obesity, diabetes mellitus etc  
  Health promotion, disease prevention, Life style modification  
  National health programs related to cardiovascular and thoracic conditions  
  Alternate system of medicine  
  Complementary therapies |
| III  | 5     | **Review of anatomy and physiology of cardiovascular and respiratory system**  
  Coronary circulation  
  Hemodynamics and electro physiology of heart.  
  Bio-chemistry of blood in relation to cardio pulmonary function. |
| IV   | 20    | **Assessment and Diagnostic Measures:**  
  History taking  
  Physical assessment  
  • Heart rate variability: Mechanisms , measurements, pattern, factors, impact of interventions on HRV  
  Diagnostic tests  
  • Hemodynamic monitoring: Technical aspects, monitoring, functional hemodynamic indices, ventricular |
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<th>Unit</th>
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<tr>
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<td>output measurements (Arterial and swan Ganz monitoring). Blood gases and its significance, oxygen supply and demand</td>
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<td>• Radiologic examination of the chest: interpretation, chest film findings</td>
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<td>• Electrocardiography (ECG): electrical conduction through the heart, basic electrocardiography, 12 lead electrocardiogram, axis determination - ECG changes in: intra ventricular conduction abnormalities - Arrhythmias, ischemia, injury and infarction, atrial and ventricular enlargement, electrolyte imbalance,</td>
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<tr>
<td></td>
<td></td>
<td>• Electrocardiography: technical aspects, special</td>
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<td>• Nuclear and other imaging studies of the heart: Magnetic Resonance Imaging.</td>
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<td>• Cardio electro physiology procedures: diagnostic studies, interventional and catheter ablation, nursing care</td>
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<td>• Exercise testing: indications and objectives,</td>
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<td>• Cardiac catheterization: indications, contraindications, patient preparation, procedure, interpretation of data</td>
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<td>• Pulmonary function test: Bronchoscopy and graphies</td>
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<td>• Interpretation of diagnostic measures</td>
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<td>• Nurse’s role in diagnostic tests</td>
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</table>

Laboratory tests using blood: Blood specimen collection, Cardiac markers, Blood lipids, Hematologic studies, Blood cultures, Coagulation studies, Arterial blood gases, Blood Chemistries, cardiac enzyme studies, Serum Concentration of Selected drugs. Interpretation and role of nurse
<table>
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<tr>
<th>Unit</th>
<th>Hours</th>
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</table>
| V    | 25    | **Cardiac disorders and nursing management:**  
|      |       | Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of:  
|      |       | • Hypertension  
|      |       | • Coronary Artery Disease.  
|      |       | • Angina of various types.  
|      |       | • Cardiomegaly  
|      |       | • Myocardial Infarction, Congestive cardiac failure  
|      |       | • Heart Failure, Pulmonary Edema, Shock.  
|      |       | • Rheumatic heart disease and other Valvular Diseases  
|      |       | • Inflammatory Heart Diseases, Infective Endocarditis, Myocarditis, Pericarditis.  
|      |       | • Cardiomyopathy, dilated, restrictive, hypertrophic.  
|      |       | • Arrhythmias, heart block  
|      |       | Associated illnesses |
| VI   | 10    | **Altered pulmonary conditions**  
|      |       | Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of:  
|      |       | • Bronchitis  
|      |       | • Bronchial asthma  
|      |       | • Bronchiectasis  
|      |       | • Pneumonias  
|      |       | • Lung abscess, lung tumour  
|      |       | • Pulmonary tuberculosis, fibrosis, pneumonias etc  
|      |       | • Pleuritis, effusion  
|      |       | • Pneumo, haemo and pyothorax  
|      |       | • Interstitial Lung Disease  
|      |       | • Cystic fibrosis  
|      |       | • Acute and Chronic obstructive pulmonary disease (conditions leading to)  
|      |       | • Cor pulmonale  
|      |       | • Acute respiratory failure  
|      |       | • Adult respiratory distress syndrome  
|      |       | • Pulmonary embolism  
<p>|      |       | • Pulmonary Hypertension |</p>
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<tr>
<th>Unit</th>
<th>Hours</th>
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</table>
| VII  | 10    | **Vascular disorders and nursing management**  
Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of:  
• Disorders of arteries  
• Disorders of the aorta  
• Aortic Aneurysms,  
• Aortic dissection  
• Raynaud’s phenomenon  
• Peripheral arterial disease of the lower extremities  
• Venous thrombosis  
• Varicose veins  
• Chronic venous insufficiency and venous leg ulcers  
• Pulmonary embolism |
| VIII | 10    | **Cardio thoracic emergency interventions**  
CPR- BLS and ALS  
Use of ventilator, defibrillator, pacemaker  
Post resuscitation care.  
Care of the critically ill patients  
Psychosocial and spiritual aspects of care  
Stress management; ICU psychosis  
Role of nurse |
| IX   | 10    | **Nursing care of a patient with obstructive airway**  
Assessment  
Use of artificial airway  
Endotracheal intubation, tracheostomy and its care  
Complication, minimum cuff leak, securing tubes  
Oxygen delivery systems.  
Nasal Cannula  
Oxygen mask, Venturi mask  
Partial rebreathing bag  
Bi-PAP and C-PAP masks  
Uses, advantages, disadvantages, nursing implications of each.  
Mechanical Ventilation  
Principles of mechanical ventilation  
Types of mechanical ventilation and ventilators.  
Modes of ventilation, advantage, disadvantage, complications.  
PEEP therapy, indications, physiology, and complications. Weaning off the ventilator.  
Nursing assessment and interventions of ventilated patient. |
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<tr>
<th>Unit</th>
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</table>
| X    | 10    | **Congenital Heart Diseases,**  
Etiology, clinical manifestations, diagnosis, prognosis, related  
pathophysiology, treatment modalities and nursing management of:  
• Embryological development of heart.  
• Classification – cyanotic and acyanotic heart disease.  
• Tetralogy of Fallots.  
• Atrial Septal Defect, Ventricular Septal Defect, Eisenmenger’s complex.  
• Patent ductus arteriosus, AP window  
• Truncus Arteriosus.  
• Transposition of great arteries.  
• Total Anomaly of Pulmonary Venous Connection.  
• Pulmonary stenosis, atresia.  
• Coarctation of aorta.  
• Ebstein’s anomaly  
• Double outlet right ventricle, Single ventricle, Hypoplastic left heart syndrome. |
| XI   | 10    | **Pharmacology**  
Review  
Pharmacokinetics  
Analgesics/Anti inflammatory agents  
Antibiotics, antiseptics  
Drug reaction & toxicity  
Drugs used in cardiac emergencies  
Blood and blood components  
• Antithrombolytic agents  
• Inotropic agents  
• Beta-blocking agents  
• Calcium channel blockers.  
• Vaso constrictors  
• Vaso dilators  
• ACE inhibitors.  
• Anticoagulants  
• Anti arrhythmic drugs.  
• Anti hypertensives  
• Diuretics  
• Sedatives and tranquilizers.  
• Digitalis. |
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<th>Unit</th>
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<td>• <strong>Antilipemics</strong>&lt;br&gt;Principles of drug administration, role and responsibilities of nurses and care of drugs</td>
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<tr>
<td>XII</td>
<td>20</td>
<td><strong>Nursing Care of patient undergoing cardio thoracic surgery</strong>&lt;br&gt;Indications, selection of patient&lt;br&gt;Preoperative assessment and preparation; counseling.&lt;br&gt;Intraoperative care: Principles of open heart surgery, equipment, anaesthesia, cardiopulmonary by pass.&lt;br&gt;Surgical procedures for Coronary Artery Bypass Grafting, recent advances and types of grafts, Valve replacement or reconstruction, cardiac transplant, Palliative surgery and different Stents, vascular surgery, other recent advances.&lt;br&gt;Thoracic surgery: lobectomy, pneumonectomy, tumour excision etc&lt;br&gt;Immediate postoperative care : assessment, post operative problems and interventions : Bleeding, Cardiac tamponade, Low cardiac output, Infarction, Pericardial effusion,Pleural effusion, Pneumothorax, Haemothorax, Coagulopathy, Thermal imbalance, Inadequate, ventilation/perfusion, Neurological problems, renal problems, Psychological problems.&lt;br&gt;Chest physiotherapy&lt;br&gt;Nursing interventions- life style modification, complementary therapy/alternative systems of medicine.&lt;br&gt;Intermediate and late post operative care after CABG, valve surgery, others.&lt;br&gt;Follow up care</td>
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<tr>
<td>XIII</td>
<td>5</td>
<td><strong>Cardiac rehabilitation</strong>&lt;br&gt;Process&lt;br&gt;Physical evaluation&lt;br&gt;Life style modification&lt;br&gt;Physical conditioning for cardiovascular efficiency through exercise&lt;br&gt;Counseling&lt;br&gt;Follow up care</td>
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<tr>
<td>XIV</td>
<td>5</td>
<td><strong>Intensive Coronary Care Unit/intensive cardio thoracic unit:</strong>&lt;br&gt;Quality assurance&lt;br&gt;• Standards, Protocols, Policies, Procedures&lt;br&gt;• Infection control; Standard safety measures&lt;br&gt;• Nursing audit&lt;br&gt;• Design of ICCU/ICTU&lt;br&gt;• Staffing; cardiac team&lt;br&gt;• Burn out syndrome&lt;br&gt;Nurse’s role in the management of I.C.C.U and ICTU.&lt;br&gt;Mobile coronary care unit.&lt;br&gt;Planning in service educational programme and teaching</td>
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Practicals

Total – 1050 Hours
1 Weeks = 30 Hours

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<th>No. of Week</th>
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<tbody>
<tr>
<td>1</td>
<td>Cardio thoracic - Medical</td>
<td>4</td>
<td>120 Hours</td>
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<tr>
<td></td>
<td>-Surgical</td>
<td>4</td>
<td>120 Hours</td>
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<tr>
<td>2</td>
<td>OTs (Cardiac and thoracic)</td>
<td>5</td>
<td>150 Hours</td>
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<tr>
<td>3</td>
<td>Casualty</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>4</td>
<td>Diagnostic labs including cath lab</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>5</td>
<td>ICCU</td>
<td>5</td>
<td>150 Hours</td>
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<tr>
<td>6</td>
<td>ICU</td>
<td>4</td>
<td>120 Hours</td>
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<tr>
<td>7</td>
<td>CCU</td>
<td>5</td>
<td>150 Hours</td>
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<td>8</td>
<td>Pediatric Intensive</td>
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<td>9</td>
<td>OPD</td>
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<td>Total</td>
<td>35 Weeks</td>
<td>1050 Hours</td>
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Essential Nursing Skills

Procedures Observed

1. Echo cardiogram
2. Ultrasound
3. Monitoring JVP, CVP
4. CT SCAN
5. MRI
6. Pet SCAN
7. Angiography
8. Cardiac catheterization
9. Angioplasty
10. Various Surgeries
11. Any other

Procedures Assisted

1. Arterial blood gas analysis
2. Thoracentesis
3. Lung biopsy
4. Computer assisted tomography (CAT Scan)
5. M.R.I.
6. Pulmonary angiography
7. Bronchoscopy
8. Pulmonary function test
9. ET tube insertion
10. Tracheostomy tube insertion
11. Cardiac catheterization
12. Angiogram
13. Defibrillation
14. Treadmill test
15. Echo cardiography
16. Doppler ultrasound
17. Cardiac surgery
18. Insertion of chest tube
19. CVP Monitoring
20. Measuring pulmonary artery pressure by Swan-Ganz Catheter
21. Cardiac Pacing

II. Procedures Performed

1. Preparation of assessment tool for CT client (Cardiac, thoracic and vascular).
2. ECG – Recording, Reading, Identification of abnormalities
3. Oxygen therapy – Cylinder, central supply, Catheter, nasal canula, mask, tent Through ET and Tracheostomy tube Manual resuscitation bag
4. Mechanical ventilation
5. Spirometer
6. Tuberculin skin test
7. Aerosol therapy
8. Nebulizer therapy
9. Water seal drainage
10. Chest physiotherapy including – Breathing Exercises Coughing Exercises Percussion & Vibration
11. Suctioning – Oropharyngeal, nasotracheal, Endotracheal Through tracheostomy tube
12. Artificial airway cuff maintenance
13. CPR
14. Care of client on ventilator
15. Identification of different – Arrhythmias Abnormal pulses, respirations B.P. Variation Heart sounds Breath sounds
16. Pulse oxymetry
17. Introduction of intracath
18. Bolus I.V. Injection
19. Life line
20. Maintenance of “Heplock”
21. Subcutaneous of Heparin
22. Obtaining leg measurements to detect early swelling in thrombophlebites
23. Identification of Homans signs
24. Buergen – Allen exercises
Weightage for Internal Assessment: (common to all speciality)

A Theory Term Test: 30
Assignment: 20

B Practical

<table>
<thead>
<tr>
<th>Practical</th>
<th>Weightage</th>
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<tr>
<td>Practical Examination</td>
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<td>Clinical Evaluation</td>
<td>20</td>
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<tr>
<td>Project</td>
<td>10</td>
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<tr>
<td>Case study</td>
<td>10</td>
</tr>
<tr>
<td>Field/ Observational visit</td>
<td>10</td>
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</tbody>
</table>

Medical Surgical Nursing

Recommended Books:

3.) Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010, LWW
4.) Black – Medical Surgical Nursing, 2009, Elsevier

Reference Books:

15.) Davidson’s Principles & Practice of Medicine, 2010, Elsevier
16.) Nettina – Lippincott manual of Nursing Practice, 2009, LWW
17.) Bailey & Love Short Practice of Surgery, 2008, Hodder Arnold
18.) Lewis – Medical Surgical Nursing, 2008, Elsevier
19.) Timby – Introductory Medical Surgical Nursing, 2009, WK
20.) Das – Textbook of Surgery, SD Publishers
21.) Woods – Cardiac Nursing, 2010, LWW
22.) Hickey – Neurologic & Neurosurgical Nursing, 2009, LWW
23.) Morton – Critical Care Nursing, 2009, LWW
24.) Thelan’s Critical care Nursing, 2008, Elsevier
25.) Spring House – Medical Surgical Nursing Made Incredibly Easy, 2008, LWW
26.) Carpenito – Nursing Care Plans & Documentation, 2009, LWW
27.) Carpenito – Nursing Diagnosis, 2009, LWW
28.) Webber – Health assessment In Nursing, 2010, WK
CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING - CRITICAL CARE NURSING

Placement: II Year

Hours of instruction
Theory: 150 hours
Practical: 1050 hrs Total
: 1200 hours

Course Description

This course is designed to assist students in developing expertise and in-depth knowledge in the field of Critical care Nursing. It will help students to develop advanced skills for nursing intervention in caring for critically ill patients. It will enable the student to function as critical care nurse practitioner/specialist. It will further enable the student to function as educator, manager and researcher in the field of Critical Care Nursing.

Objectives

At the end of the course the students will be able to

1. Appreciate trends and issues related to Critical Care Nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patients
3. Describe the various drugs used in critical care and nurses responsibility
4. Perform physical, psychosocial & spiritual assessment
5. Demonstrate advance skills/competence in managing critically ill patients including Advance Cardiac Life Support.
6. Demonstrate skill in handling various equipments/gadgets used for critical care
7. Provide comprehensive care to critically ill patients.
8. Appreciate team work & coordinate activities related to patient care.
9. Practice infection control measures.
10. Assess and manage pain.
11. Identify complications & take appropriate measures.
12. Discuss the legal and ethical issues in critical care nursing
13. Assist patients and their family to cope with emotional distress, spiritual, grief and anxiety
14. Assist in various diagnostic, therapeutic and surgical procedures
15. Incorporate evidence based nursing practice and identify the areas of research in the field of critical care nursing
16. Identify the sources of stress and manage burnout syndrome among health care providers.
17. Teach and supervise nurses and allied health workers.
18. Design a layout of ICU and develop standards for critical care nursing practice.

### Course Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
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</table>
| I    | 5     | **Introduction to Critical Care Nursing**  
Historical review- Progressive patient care (PPC)  
Review of anatomy and physiology of vital organs, fluid and electrolyte balance  
Concepts of critical care nursing  
Principles of critical care nursing  
Scope of critical care nursing  
Critical care unit set up including equipments supplies, use and care of various type of monitors & ventilators  
Flow sheets |
| II   | 10    | **Concept of Holistic care applied to critical care nursing practice**  
Impact of critical care environment on patients:-  
- Risk factors, Assessment of patients, Critical care psychosis, prevention & nursing care for patients affected with psycho physiological & psychosocial problems of critical care unit, Caring for the patient’s family, family eaching  
The dynamics of healing in critical care unit:- therapeutic touch,  
Relaxation, Music therapy, Guided Imagery, acupressure  
Stress and burnout syndrome among health team members |
| III  | 14    | **Review**  
Pharmacokinetics  
Analgesics/Anti inflammatory agents  
Antibiotics, antiseptics  
Drug reaction & toxicity  
Drugs used in critical care unit (inclusive of ionotropic, life saving drugs)  
Drugs used in various body systems  
IV fluids and electrolytes  
Blood and blood components  
Principles of drug administration, role of nurses and care of drugs |
| IV   | 5     | **Pain Management**  
Pain & Sedation in Critically ill patients  
Theories of pain, Types of pain, Pain assessment, Systemic responses to pain  
pain management-pharmacological and non-pharmacological measures  
Placebo effect |
<table>
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<tr>
<th>Unit</th>
<th>Hours</th>
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<tbody>
<tr>
<td>V</td>
<td>5</td>
<td><strong>Infection control in intensive care unit</strong>&lt;br&gt;Nosocomial infection in intensive care unit; methyl resistant staphylococcus aureus (MRSA), Disinfection, Sterilization, Standard safety measures, Prophylaxis for staff</td>
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<tr>
<td>VI</td>
<td>10</td>
<td><strong>Gastrointestinal System</strong>&lt;br&gt;Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Gastrointestinal Bleeding, Abdominal injury, Hepatic Disorders:-Fulminent hepatic failure, Hepatic encephalopathy, Acute Pancreatitis, Acute intestinal obstruction, perforative peritonitis</td>
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<tr>
<td>VII</td>
<td>10</td>
<td><strong>Renal System</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Renal Failure, Chronic Renal Failure, Acute tubular necrosis, Bladder trauma&lt;br&gt;Management Modalities: Hemodialysis, Peritoneal Dialysis, Continuous Ambulatory Peritoneal Dialysis, Continuous arterio venous hemodialysis, Renal Transplant,</td>
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<td>VIII</td>
<td>10</td>
<td><strong>Nervous System</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Common Neurological Disorders:-Cerebrovascular disease, Cerebrovascular accident, Seizure disorders, GuillainBarre-Syndrome, Myasthenia Gravis, Coma, Persistent vegetative state, Encephalopathy, Head injury, Spinal Cord injury&lt;br&gt;Management Modalities: Assessment of Intracranial pressure, Management of intracranial hypertension, Craniotomy&lt;br&gt;Problems associated with neurological disorders: Thermo regulation, Unconsciousness, Herniation syndrome</td>
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<td>IX</td>
<td>5</td>
<td><strong>Endocrine System</strong>&lt;br&gt;Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing Management of :-Hypoglycemia, Diabetic Ketoacidosis, Thyroid crisis, Myxoedema, Adrenal crisis, Syndrome of Inappropriate/hyper secretion of Anti diuretic Hormone (SIADH)</td>
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<td>Unit</td>
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| X    | 15    | **Management of other Emergency Conditions**  
Mechanism of injury, Thoracic injuries, Abdominal injuries, pelvic fractures, complications of trauma, Head injuries  
Shock: Shock syndrome, Hypovolemic, Cardiogenic, Anaphylactic, Neurogenic and Septic shock  
Systemic inflammatory Response: The inflammatory response, Multiple organ dysfunction syndrome  
**Disseminated Intravascular Coagulation**  
Drug Overdose and Poisoning, Acquired Immunodeficiency Syndrome (AIDS) |
| XI   | 20    | **Cardiovascular emergencies**  
Principles of Nursing in caring for patient’s with Cardiovascular disorders  
Assessment: Cardiovascular system: Heart sounds, Diagnostic studies:- Cardiac enzymes studies, Electrocardiographic monitoring, Holter monitoring, Stress test. Echo cardiography, Coronary angiography, Nuclear medicine studies  
Causes, Pathophysiology, Clinical types, Clinical features, Diagnostic Prognosis, Management : Medical, Surgical & Nursing management of:-Hypertensive crisis, Coronary artery disease, Acute Myocardial infarction, Cardiomyopathy, Deep vein thrombosis, Valvular diseases, Heart block, Cardiac arrhythmias & conduction disturbances, Aneurysms, Endocarditis, Heart failure Cardio pulmonary resuscitation BCLS/ACLS  
Management Modalities: Thrombolytic therapy, Pacemaker – Temporary & permanent, Percutaneous transluminal coronary angioplasty, Cardioversion, Intra Aortic Balloon pump monitoring, De fribillations, Cardiac surgeries, Coronary Artery Bypass Grafts (CABG/MICAS), Valvular surgeries, Heart Transplantation, Autologous blood transfusion, Radio frequency Catheter Ablation |
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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| XII   | 15    | **Respiratory System**  
Acid-base balance & imbalance  
Assessment: History & Physical Examination  
Diagnostic Tests: Pulse Oximetry, End Tidal Carbon Dioxide  
Monitoring, Arterial blood gas studies, chest radiography, pulmonary Angiography, Bronchoscopy, Pulmonary function Test, Ventilation perfusion scan, Lung ventilation scan  
Causes: Pathophysiology, Clinical types, Clinical features, Prognosis, Management: Medical, Surgical and Nursing management of Common pulmonary disorders:-Pneumonia, Status asthmatics, interstitial drug disease, Pleural effusion, Chronic obstructive pulmonary disease, Pulmonary tuberculosis, Pulmonary edema, Atelectasis, Pulmonary embolism, Acute respiratory failure, Acute respiratory distress syndrome (ARDS), Chest Trauma Haemothorax, Pneumothorax  
Management Modalities:- Airway Management Ventilatory Management: Invasive, non-invasive, long term mechanical ventilations Bronchial Hygiene:- Nebulization, deep breathing exercise, chest physiotherapy, postural drainage, Inter Costal Drainage, Thoracic surgeries |
| XIII  | 7     | **Burns**  
Clinical types, classification, pathophysiology, clinical features, assessment, diagnosis, prognosis, Management: Medical, Surgical & Nursing management of burns  
Fluid and electrolyte therapy – calculation of fluids and its administration  
Pain management  
Wound care  
Infection control  
Prevention and management of burn complications  
Grafts and flaps  
Reconstructive surgery  
Rehabilitation |
| XIV   | 5     | **Obstetrical Emergencies**  
Causes, Pathophysiology, Clinical types, clinical features, diagnostic Prognosis, Management: Medical, Surgical and Nursing management of : Antepartum haemorrhage, Preeclampsia, eclampsia, Obstructed labour and ruptured uterus, Post partum hemorrhage, Puerperal sepsis, Obstetrical shock |
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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<tr>
<td>XV</td>
<td>10</td>
<td><strong>Neonatal Paediatric emergencies</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;• Neonatal emergencies&lt;br&gt;Asphyxia Neonatarum, Pathological Jaundice in Neonates, Neonatal seizures, Metabolic disorders, Intracranial Hemorrhage, Neonatal Sepsis, RDS/HMD (Respiratory Distress Syndrome/Hyaline Membrane Disease), Congenital disorders:-&lt;br&gt;• Cyanotic heart disease, tracheo oesophageal fistula, congenital hypertropic pyloric stenosis, imperforate anus&lt;br&gt;• Pediatric emergencies&lt;br&gt;Dehydration, Acute broncho pneumonia, Acute respiratory distress syndrome, Poisoning, Foreign bodies, seizures, traumas, Status asthmaticus</td>
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<tr>
<td>XVI</td>
<td>2</td>
<td><strong>Legal and ethical issues in critical care-Nurse’s role</strong>&lt;br&gt;Brain death&lt;br&gt;Organ donation &amp; Counselling&lt;br&gt;Do Not Resuscitate (DNR)&lt;br&gt;Euthanasia&lt;br&gt;Living will</td>
</tr>
<tr>
<td>XVII</td>
<td>2</td>
<td><strong>Quality assurance</strong>&lt;br&gt;Standards, Protocols, Policies, Procedures&lt;br&gt;Infection control; Standard safety measures&lt;br&gt;Nursing audit&lt;br&gt;Staffing&lt;br&gt;Design of ICU/CCU</td>
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Practical

Total = 1050 Hours
1 Week = 30 Hours

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<th>Dept./Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
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<tr>
<td>3</td>
<td>Burns ICU</td>
<td>3</td>
<td>90 Hours</td>
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<tr>
<td>5</td>
<td>Medical ICU</td>
<td>9</td>
<td>270 Hours</td>
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<tr>
<td>6</td>
<td>Surgical ICU</td>
<td>12</td>
<td>360 Hours</td>
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<td>9</td>
<td>CCU</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>10</td>
<td>Emergency Department</td>
<td>4</td>
<td>120 Hours</td>
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<tr>
<td>12</td>
<td>Dialysis Unit</td>
<td>1</td>
<td>30 Hours</td>
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<td>13</td>
<td>Transplant Room</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>14</td>
<td>Paediatric/NICU</td>
<td>2</td>
<td>60 Hours</td>
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<td><strong>Total</strong></td>
<td><strong>35 Weeks</strong></td>
<td><strong>1050 Hours</strong></td>
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ESSENTIAL CRITICAL CARE NURSING SKILLS

I. Procedures Observed

1. CT Scan
2. MRI
3. EEG
4. Hemodialysis
5. Endoscopic Retrograde cholangio Pancreaticogram (ERCP)
6. Heart/ Neuro/ GI./ Renal Surgeries

II. Procedures Assisted

1. Advanced life support system
2. Basic cardiac life support
3. Arterial line/arterial pressure monitoring/blood taking
4. Arterial blood gas
5. ECG recording
6. Blood transfusion
7. IV cannulation therapy
8. Arterial Catheterization
9. Chest tube insertion
10. Endotracheal intubations
11. Ventilation
12. Insertion of central line/cvp line
13. Connecting lines for dialysis
III. Procedure Performed

1. Airway management
   a. Application of oropharyngeal airway
   b. Oxygen therapy
   c. CPAP (Continuous Positive Airway pressure)
   d. Care of tracheostomy
   e. Endotracheal extubation

2. Cardiopulmonary resuscitation, Basic cardiac life support, ECG

3. Monitoring of critically ill patients – clinically with monitors, capillary refill time (CRT) assessment of jaundice, ECG.

4. Gastric lavage

5. Assessment of critically ill patients
   Identification & assessment of risk factors, Glasgow coma scale, and dolls eye movement, arterial pressure monitoring, cardiac output/pulmonary artery pressure monitoring, and detection of life threatening abnormalities

6. Admission & discharge of critically ill patients


8. Assessment of patient for alteration in blood sugar levels monitoring blood sugar levels periodically & administering insulin periodically.


10. Setting up dialysis machine and starting, monitoring and closing dialysis

11. Procedures for prevention of infections:
    Hand washing, disinfection & sterilization surveillance,


13. Setting, use & maintenance of basic equipment, ventilator, & syringe pumps, centrifuge machine.
### Weightage for Internal Assessment: (common to all speciality)

**A  Theory**  
- Term Test: 30  
- Assignment: 20

**B  Practical**
- Practical Examination: 50  
- Clinical Evaluation: 20  
- Project: 10  
- Case study: 10  
- Field/ Observational visit: 10
CLINICAL SPECIALITY-II

MEDICAL SURGICAL NURSING- ONCOLOGY NURSING

Placement : II Year

Hours of Instruction
Theory : 150Hrs.
Practical : 950 hrs.
Total : 1100 hrs.

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of oncology Nursing. It will help students to develop advanced skills for nursing intervention in various oncological conditions. It will enable the student to function as oncology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of oncology nursing

Objectives

1. Explain the prevention, screening and early detection of cancer
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems
3. Describe the psychosocial effects of cancer on patients and families.
4. Demonstrate skill in administering/assisting in various treatment modalities used for patients with cancer
5. Apply nursing process in providing holistic care to patients with cancer.
6. Apply specific concepts of pain management
7. Appreciate the care of death and dying patients and value of bereavement support.
8. Describe the philosophy, concept and various dimensions of palliative care
9. Appreciate the role of alternative systems of medicine in care of cancer patients
10. Appreciate the legal & ethical issues relevant to oncology nursing
11. Recognize and manage Oncological emergencies
12. Counsel the patients with cancer and their families
13. Incorporate evidence based nursing practice and identify the areas of research in the field of oncology nursing
14. Recognize the role of oncology nurse practitioner as a member of oncology team
15. Collaborate with other agencies and utilize resources in caring for cancer patients.
16. Teach and supervise nurses and allied health workers.
17. Design a layout and develop standards for management of oncology units/hospitals and nursing care.
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<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
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| I 4 | Introduction  
Epidemiology-Incidence, Prevalence – Global, National, State and Local  
Disease burden, concept of cancer, risk factors  
Historical perspectives  
Trends and issues  
Principles of cancer management  
Roles and responsibilities of oncology nurse |
| II 5 | The Nature of Cancer  
Normal cell biology  
The Immune system  
Pathological and pathophysiological changes in tissues  
• Biology of the cancer cell  
• Clone formation Transformation  
• Tumor stem lines  
• Structure of a solid tumor  
• Products produced by the tumor  
• Systemic effects of tumor growth |
| III 4 | Etiology of Cancer  
Carcinogenesis,  
Theories of cancer causation  
Risk factors  
Carcinogens – genetic factors, chemical carcinogens, radiation, viruses, Immune system failure, rapid tissue proliferation  
Hormone changes, diet, emotional factors. |
| IV 10 | Diagnostic Evaluation  
Health assessment: History taking, physical examination, Staging and grading of tumors, TNM Classification  
Common diagnostic tests  
• Blood investigation: Haematological, Bio-chemical, Tumor markers, Hormonal assay  
• Cytology: Fine needle aspiration cytology(FNAC)  
• Histopathology: Biopsy  
• Radiological assessment: MRI, Ultrasound, Computed tomography, Mammography, Positron emission tomography(PET), Radio nuclide imaging, Functional metabolism imaging  
• Endoscopies  
Nurses responsibilities in diagnostic measures |
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<th>Unit</th>
<th>Hours.</th>
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| V    | 10     | Levels of prevention and care  
Primary prevention – Guidelines for cancer detection, general measures,  
Warning signs of cancer,  
Self examination-Oral, Breast, Testicular  
Secondary prevention – early diagnosis.  
Screening  
Tertiary prevention – disability limitation,  
Rehabilitation :Mobility , Speech, Bowel and bladder, Ostomies etc  
Patient and family education,  
Discharge instruction, follow-up care and use of community resources. |
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<th>Unit</th>
<th>Hours.</th>
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<tr>
<td>VI</td>
<td>25</td>
<td><strong>Cancer Treatment Modalities and Nurse’s Role</strong></td>
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**Surgery**
- Principles of surgical oncology
- Current surgical strategy,
- Determining surgical risk
- Special surgical techniques
- Pre-intra-postoperative nursing care
- Acute and chronic surgical complications
- Future directions and advances

**Chemotherapy**
- Principles and classification of chemotherapeutics
- Pharmacology of anti neoplastic drugs- Mechanism of action, Absorption,
  protein binding, Bio-transformation, excretion, common side effects, drug toxicity
- Calculating drug doses,
  - Therapeutic response to chemotherapy-Tumor variables, drug resistance,
  - Safety precautions

**Radiation Therapy**
- Physics of radiotherapy
- Types of ionizing rays
- Radiation equipments: Linear accelerator, cobalt, Implants, Isotopes,
- Types of therapies: Oral, Brachy therapy, tele therapy, electron therapy
- Effects of radiation on the body tissue,
- Radiation biology – cell damage hypoxic cells, alteration of tumor kinetics.
- Approaches to radiation therapy –
- External radiotherapy
- Internal radiotherapy – unsealed,
- Sealed sources.
- Effectiveness of radiotherapy-Radio sensitivity, treatment effects
- Complications of radiotherapy
- Radiation safety: Standards of Bhaba Atomic Research Centre (BARC)
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<tr>
<th>Unit</th>
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|      |        | **Bone Marrow Transplantation /Stem Cell Transplantation**  
|      |        | • Types, indications, transplantation procedure, complications and nursing management  
|      |        | • Types and donor sources  
|      |        | • Preparation and care of donor and recipient  
|      |        | • Bone marrow bank  
|      |        | • Legal and ethical issues  
|      |        | **Immunotherapy (Biotherapy)**  
|      |        | • Concepts and principles  
|      |        | • Classification of agents  
|      |        | • Treatment and applications  
|      |        | **Gene Therapy**  
|      |        | • Current Concepts and practices  
|      |        | **Alternative and Complementary Therapies**  
|      |        | • Current practices  
| VII  | 10     | **Pain management**: Theories, types and  
|      |        | • Nature of cancer pain  
|      |        | • Pathophysiology of pain  
|      |        | • Pain threshold  
|      |        | **Assessment of pain**  
|      |        | • Principles of cancer pain control  
|      |        | • Pharmacological: Opioid and non-opioid analgesic therapy  
|      |        | • Patient controlled analgesia (PCA)  
|      |        | • Other invasive techniques of pain control  
|      |        | • Recent developments in Cancer pain  
|      |        | **Non-Pharmacological pain relief technique**-  
|      |        | • Complementary therapies (Music, massage, meditation, relaxation techniques, biofeedback back etc)  
|      |        | • Psychological intervention in pain control  
|      |        | • Alternative system of medicines  
<p>|      |        | Role of nurse |</p>
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<tr>
<td>VIII</td>
<td>5</td>
<td><strong>Palliative care</strong>&lt;br&gt;Definition and scope, philosophy&lt;br&gt;Concept and elements of palliative care&lt;br&gt;Global and Indian perspective of palliative care&lt;br&gt;Quality of life issues&lt;br&gt;Communication skill&lt;br&gt;Nursing perspective of palliative care and its elements&lt;br&gt;Home care&lt;br&gt;Hospice care&lt;br&gt;Role of nurse in palliative care</td>
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<td>IX</td>
<td>2</td>
<td><strong>Infection control:</strong>&lt;br&gt;- Process of infection, risk of hospitalization, nosocomial infections-prevention and control of infection in acute, long term care facility and community based care&lt;br&gt;- Standard safety measures</td>
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<tr>
<td>X</td>
<td>30</td>
<td><strong>Nursing Care of Patients With Specific Malignant Disorders</strong>&lt;br&gt;Malignancies of G.I. system-oral, oesophagus, stomach, rectal, liver &amp; pancreas, care of ostomies/stoma&lt;br&gt;Respiratory malignancies&lt;br&gt;Genito urinary system malignancies- prostate Bladder, renal testicular malignancies,&lt;br&gt;Gynecological malignancies-cervix, uterus, ovary&lt;br&gt;Hematological malignancies-Lymphomas, Leukemias.&lt;br&gt;Malignancies of musculoskeletal system&lt;br&gt;Endocrine malignancies&lt;br&gt;Skin&lt;br&gt;Head and Neck -brain tumors&lt;br&gt;Other malignancies – Breast cancer, AIDS related Malignancies (Kaposi's Sarcoma)</td>
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<td>XI</td>
<td>10</td>
<td><strong>Paediatric malignancies</strong>&lt;br&gt;Leukemia, Lymphoma, Neuro- blastoma&lt;br&gt;Wilm’s tumor, Soft tissue sarcoma, Retinoblastoma&lt;br&gt;Nursing Management of children with Paediatric Malignancies</td>
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| XII  | 15     | **Nursing Management of Physiological Conditions and Symptoms Of Cancer Patient**  
Nutrition:- effects of cancer on nutritional status and its consequences:-Anemia, electrolyte imbalances, taste alterations  
Impaired mobility: Decubitus ulcer, pathologic fractures, thrombophlebitis, pulmonary embolism, contractures, footdrop  
**Other symptoms**  
Dyspepsia & hiccups, dyspnoea  
Intestinal obstruction,  
Fungating wounds  
Anxiety & depression, insomnia  
Lymph edema  
**Impact of cancer on sexuality**:  
Effects of radiotherapy/ chemotherapy/surgery on sexuality of the cancer patient  
Nursing management of cancer patients experiencing sexual dysfunction  
Sexual counseling |
| XIII | 10     | **Cancer Emergencies**  
Disseminated intravascular coagulation(DIC),  
Malignant pleural effusion  
Neoplastic cardiac tamponade and septic shock spinal cord compression  
Superior venacava syndrome  
Metabolic emergency: hyper and hypo calcemia  
Surgical emergency  
Urological emergency  
Hemorrhage  
Organ obstruction  
Brain metastasis  
Nurses role in managing oncologic emergencies |
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<tr>
<td>XIV</td>
<td>8</td>
<td><strong>Psycho-Social Aspects of Nursing Care</strong>&lt;br&gt;Psychological responses of patients with cancer&lt;br&gt;Psychosocial assessment –&lt;br&gt;Crisis intervention, coping mechanisms&lt;br&gt;Stress management, spiritual/cultural care and needs&lt;br&gt;Counseling: individual and family&lt;br&gt;Maximizing quality of life of patient and family</td>
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<td><strong>Ethical, moral and legal issues -</strong>&lt;br&gt;End of life care&lt;br&gt;Grief and grieving process&lt;br&gt;Bereavement support&lt;br&gt;Care of Nurses who care for the dying.</td>
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<td>XV</td>
<td>2</td>
<td><strong>Layout and Design of an oncology institution/ ward, OPD, chemotherapy unit, Bone marrow transplantation unit, Pain clinic etc</strong>&lt;br&gt;Practice Standards of oncology nursing&lt;br&gt;•Policies and Procedures&lt;br&gt;Establishing Standing orders and Protocols</td>
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<td>Quality Assurance Programme in oncology units&lt;br&gt;Nursing audit</td>
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Clinical Experience

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<tr>
<th>S. No.</th>
<th>Dept./ Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>Medical Oncology ward</td>
<td>7</td>
<td>210 Hours</td>
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<tr>
<td>2</td>
<td>Surgical Oncology ward</td>
<td>6</td>
<td>180 Hours</td>
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<tr>
<td>3</td>
<td>Bone marrow transplantation Unit</td>
<td>2</td>
<td>60 Hours</td>
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<td>4</td>
<td>Operation Theatre</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>5</td>
<td>Radiotherapy Unit</td>
<td>3</td>
<td>90 Hours</td>
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<td>6</td>
<td>Chemotherapy Unit</td>
<td>4</td>
<td>120 Hours</td>
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<tr>
<td>7</td>
<td>Out patient department and pain clinic</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>8</td>
<td>Pediatric Oncology ward</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>9</td>
<td>Palliative Care ward</td>
<td>3</td>
<td>90 Hours</td>
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<tr>
<td>10</td>
<td>Community oncology</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>11</td>
<td>Hospice</td>
<td>1</td>
<td>30 Hours</td>
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<tr>
<td>12</td>
<td>Other field visits</td>
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<td>30 Hours</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>35 Weeks</strong></td>
<td><strong>1050 Hours</strong></td>
</tr>
</tbody>
</table>

Procedures Observed
1. CT Scan
2. MRI
3. PET Scan (Positron Emission Tomography)
4. Ultra sound
5. Mammography
6. Radio Nuclide Imaging
7. Bone Scan
8. Thyroid Function Test
9. Functional and Metabolic Imaging
10. Transportation of radioactive materials
11. Others

Procedures Assisted
1. IV cannulation – Open method
2. Chemotherapy
4. Interstitial implantation
5. Bio-therapy and Gene therapy
6. Teletherapy – Treatment planning
7. Bone marrow aspiration and biopsy
8. Biopsy – tissue
9. FNAC – Fine Needle Aspiration Cytology and biopsy
10. Advance Cardiac life support  
11. Endotracheal intubation  
12. Defibrillation Ventilation  
13. Tracheostomy  
14. Thoracentesis  
15. Paracentesis  
16. Lumbar Puncture  
17. Arterial Blood Gas  
18. Nerve Block  
19. Chest tube insertion  
20. Intercostal drainage  
21. CVP monitoring

Procedure Performed

1. Screening for cancer  
2. Assessment of pain  
3. Assessment of Nutritional status  
4. Care of Tracheostomy  
5. Endotracheal intubation  
6. Gastric gavage  
7. Pap smear  
8. IV cannulation  
9. Care of surgical flaps  
10. Care of ostomies  
11. Blood transfusion and component therapy  
12. Counseling  
13. Practice standard safety measures  
14. Care of dead body and mortuary formalities

Other procedures

(As per the institutional protocol):

1. Alternative therapies

Weightage for Internal Assessment: (common to all speciality)

A  Theory                                      Term Test:  30  
                                            Assignment: 20

B  Practical                                  
Practical Examination                     :  50  
Clinical Evaluation                      :  20  
Project                                    :  10  
Case study                                 :  10  
Field/ Observational visit     :  10
CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING- NEUROSCIENCES NURSING

Placement : II Years

Course Description

This course is designed to assist students in developing expertise and in-depth knowledge in the field of neurology and neurosurgical Nursing. It will help students to develop advanced skills for nursing intervention in caring for patients with neurological and neurosurgical disorders. It will enable the student to function as neuroscience nurse practitioner/specialist. It will further enable the student to function as educator, manager and researcher in the field of neurology and neurosurgical Nursing.

Objectives

At the end of the course the students will be able to

1. Appreciate trends and issues related to neurology and neurosurgical Nursing.
2. Review the anatomy and physiology of nervous system
3. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of patients with neurological and neurosurgical disorders
4. Perform neurological assessment and assist in diagnostic procedures
5. Describe the concepts and principles of neuroscience nursing
6. Describe the various drugs used in neurosciences and nurses responsibility
7. Assist in various therapeutic and surgical procedures in neuroscience nursing
8. Demonstrate advance skills/competence in managing patients with neurological and neurosurgical disorder following nursing process approach
9. Identify psychosocial problems of patients with disabilities and assist patients and their family to cope with emotional distress, spiritual, grief and anxiety
10. Participate in preventive, promotive and rehabilitative services for neurological and neurosurgical patients.
11. Explain the legal and ethical issues related to brain death, organ transplantation and practice of neuroscience nursing
12. Incorporate evidence based nursing practice and identify the areas of research in the field of neuroscience nursing
13. Organise and conduct inservice education program for nursing personnel.
14. Develop standards of care for quality assurance in neuroscience nursing practice
15. Identify the sources of stress and manage burnout syndrome among health care providers.
16. Teach and supervise nurses and allied health workers.
17. Plan and develop physical layout of neuro intensive care unit

**Course Content**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| I    | 5     | **Introduction**  
Introduction to neuroscience (neurological and neurosurgical) nursing  
• History-Development in neurological and neurosurgical nursing, Service & education  
• Emerging trends and issues in neurology and neurosurgery and its implication to nursing.  
• Neurological and neurosurgical problems –  
• Concepts, principles and nursing perspectives  
• Ethical and legal issues  
• Evidence based nursing and its application in neurological and neurosurgical nursing |
| II   | 5     | **Epidemiology**  
Major health problems-  
Risk factors associated with neurological conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations, occupational and infections.  
Health promotion, disease prevention, life style modification and its implications to nursing  
Alternate system of medicine/complementary therapies |
| III  | 10    | **Review of Anatomy and physiology**  
Embryology  
Structure and functions of Nervous system- CNS, ANS, cerebral circulation, cranial and spinal nerves and reflexes, motor and sensory functions  
Sensory organs |
### IV 15 Assessment and diagnostic measures

#### Assessment
- History taking
- Physical assessment, psychosocial assessment
- Neurological assessments, Glasgow coma scale interpretation & its relevance to nursing.
- Common assessment abnormalities

#### Diagnostic measures
- Cerebro spinal fluid analysis
- Radiological studies: Skull and spine X-ray, Cerebral Angiography, CT Scan, Single Photon Emission Computer Tomography (SPECT), MRI (Magnetic Resonance Imaging), MRA, MRS, Functional MRI, Myelography, PET (Positron Emission Test), Interventional radiology.
- Electrophysiological studies: Electroencephalography, MEG, EMG, video EEG,
- Nerve conduction studies: Evoked potentials, visual evoked potentials,
- Ultrasound studies: Carotid duplex, transcranial Doppler sonography,
- Immunological studies
- Biopsies – muscle, nerve and Brain.

#### Interpretation of diagnostic measures
Nurse’s role in diagnostic tests

### V 5 Meeting Nutritional needs of neurological patients

#### Basic nutritional requirements
- Metabolic changes following injury and starvation
- Nutritional assessment
- Common neurological problems that interfere with nutrition and strategies for meeting their nutritional needs
- Special metabolic and electrolyte imbalances
- Chronic fatigue syndrome

### VI 5 Drugs used in neurological and neurosurgical disorders

#### Classification
- Indications, contraindications, actions and effects, toxic effects

Role of nurse
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>VII</td>
<td>10</td>
<td><strong>Traumatic conditions.</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;• Cranio cerebral injuries.&lt;br&gt;• Spinal &amp; Spinal cord injuries.&lt;br&gt;• Peripheral nerve injuries.&lt;br&gt;• Unconsciousness</td>
</tr>
<tr>
<td>VIII</td>
<td>10</td>
<td><strong>Cerebro vascular disorders.</strong>&lt;br&gt;pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;• Stroke &amp; arterio venous thrombosis.&lt;br&gt;• Haemorrhagic embolus.&lt;br&gt;• Cerebro vascular accidents.&lt;br&gt;• Intracranial aneurysm.&lt;br&gt;• Subarchnoid Haemorrhage.&lt;br&gt;• Arterio venous fistula.&lt;br&gt;• Brain tumors&lt;br&gt;Diseases of cranial nerves; Trigiminal neuralgia, Facial palsy, Bulbar palsy.</td>
</tr>
<tr>
<td>IX</td>
<td>10</td>
<td><strong>Degenerating and desalinating disorders</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;• Motor neuron diseases.&lt;br&gt;• Movement disorders- Tics, dystopia, chorea, Wilson's disease, essential tremors&lt;br&gt;• Dementia.&lt;br&gt;• Parkinson’s disease.&lt;br&gt;• Multiple sclerosis.&lt;br&gt;• Alzheimer's</td>
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<tr>
<td>Unit</td>
<td>Hours</td>
<td>Content</td>
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<tr>
<td>X</td>
<td>10</td>
<td><strong>Neuro infections</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;Neuro infections&lt;br&gt;- Meningitis-types&lt;br&gt;- Encephalitis.&lt;br&gt;- Poliomyelitis.&lt;br&gt;- Parasitic infections.&lt;br&gt;- Bacterial infections&lt;br&gt;- Neurosyphilis.&lt;br&gt;- HIV &amp; AIDS.&lt;br&gt;- Brain abscess.</td>
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<tr>
<td>XI</td>
<td>10</td>
<td><strong>Paroxysmal disorders.</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;- Epilepsy and seizures.&lt;br&gt;- Status epilepticus.&lt;br&gt;- Syncope.&lt;br&gt;- Menier’s syndrome.&lt;br&gt;- Cephalgia.</td>
</tr>
<tr>
<td>XII</td>
<td>10</td>
<td><strong>Developmental disorders.</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;- Hydrocephalus.&lt;br&gt;- Craniosynostosis.&lt;br&gt;- spina bifida- Meningocele, Meningomyelocele encephalocele&lt;br&gt;- syringomyelia.&lt;br&gt;- Cerebro vascular system anomalies.&lt;br&gt;- Cerebral palsies.&lt;br&gt;- Down’s syndrome</td>
</tr>
<tr>
<td>XIII</td>
<td>10</td>
<td><strong>Neuro muscular disorders.</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;- Polyneuritis – G B Syndrome.s&lt;br&gt;- Muscular dystrophy.&lt;br&gt;- Myasthenia gravis.&lt;br&gt;- Trigeminal neuralgia.&lt;br&gt;- Bell’s palsy.&lt;br&gt;- Menier’s disease&lt;br&gt;- Carpal tunnel syndrome&lt;br&gt;- Peripheral neuropathies</td>
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<tr>
<td>Unit</td>
<td>Hours</td>
<td>Content</td>
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<tr>
<td>XIV</td>
<td>5</td>
<td><strong>Neoplasms – surgical conditions.</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Nursing management of&lt;br&gt;• Space occupying lesions - types&lt;br&gt;• Common tumors of CNS,</td>
</tr>
<tr>
<td>XV</td>
<td>5</td>
<td><strong>Other disorders</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;Metabolic disorders - diabetes, insipidus, metabolic encephalopathy&lt;br&gt;Sleep disorders&lt;br&gt;Autoimmune disorders - multiple sclerosis, inflammatory myopathies</td>
</tr>
<tr>
<td>XVI</td>
<td>10</td>
<td><strong>Neuro emergencies</strong>&lt;br&gt;Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of&lt;br&gt;• Increased intra cranial pressure&lt;br&gt;• Unconscious&lt;br&gt;• Herniation syndrome&lt;br&gt;• Seizures&lt;br&gt;• Severe head injuries&lt;br&gt;• Spinal injuries&lt;br&gt;• Cerebro vascular accidents</td>
</tr>
<tr>
<td>XVII</td>
<td>5</td>
<td><strong>Rehabilitation.</strong>&lt;br&gt;Concept and Principles of Rehabilitation.&lt;br&gt;Factors affecting quality of life and coping&lt;br&gt;Rehabilitation in acute care setting, and following stroke, head injury and degenerative disorders of brain&lt;br&gt;Physiotherapy.&lt;br&gt;Counselling&lt;br&gt;Care giver’s role&lt;br&gt;Speech &amp; Language.- Neurogenic communication disorders, Speech therapy</td>
</tr>
<tr>
<td>XVIII</td>
<td>5</td>
<td><strong>Ethical and legal issues in neuroscience nursing</strong>&lt;br&gt;Brain death and organ transplantation&lt;br&gt;Euthanasia&lt;br&gt;Negligence and malpractice&lt;br&gt;Nosocomial infections</td>
</tr>
<tr>
<td>Unit</td>
<td>Hours</td>
<td>Content</td>
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</table>
| XIX  | 5     | Quality assurance in neurological nursing practice  
Role of advance practitioner in neurological nursing  
Professional practice standards  
Quality control in neurological nursing  
Nursing audit  
Neuro ICU  
  • Philosophy, aims and objectives  
  • Policies, staffing pattern, design and physical plan of neuro ICU  
  • Team approach, functions  
  • Psychosocial aspects in relation to staff and clients of neuro ICU,  
  • In-service education |
<table>
<thead>
<tr>
<th>S.No.</th>
<th>AREA OF POSTING</th>
<th>No. of Week</th>
<th>Total Hours</th>
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<tr>
<td>1</td>
<td>O.P.D.</td>
<td>2</td>
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<tr>
<td>2</td>
<td>Casualty</td>
<td>2</td>
<td>60</td>
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<tr>
<td>3</td>
<td>Diagnostics</td>
<td>2</td>
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<tr>
<td>4</td>
<td>Neuro psychiatry</td>
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<td>5</td>
<td>Neuro Medical wards</td>
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<td>Paediatric Neuro ward</td>
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<tr>
<td>7</td>
<td>Neuro surgical wards</td>
<td>4</td>
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<td>8</td>
<td>Head Injury ward</td>
<td>4</td>
<td>120</td>
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<tr>
<td>9</td>
<td>ICU- neuro medicine</td>
<td>5</td>
<td>150</td>
</tr>
<tr>
<td>10</td>
<td>I.C.U.- neuro surgical</td>
<td>5</td>
<td>150</td>
</tr>
<tr>
<td>11</td>
<td>Rehabilitation</td>
<td>2</td>
<td>60</td>
</tr>
<tr>
<td>12</td>
<td>Operation Theatre</td>
<td>2</td>
<td>60</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>35 Weeks</strong></td>
<td><strong>1050 Hours</strong></td>
</tr>
</tbody>
</table>

**ESSENTIAL NEURO NURSING SKILLS 1.**

**Procedures Observed**

1. CT scan
2. MRI
3. PET
4. EEG
5. EMG
6. Sleep pattern studies/Therapy
7. Radiographical studies
8. Neuro surgeries
9. Nerve conduction studies
10. Ultrasound studies
11. Any other

**II. Procedures Assisted**

1. Advanced Cardiac life support
2. Lumbar Puncture
3. Biopsies – muscle, nerve and Brain
4. Arterial Blood Gas
5. ECG Recording
6. Blood transfusion
7. IV cannulation – open method
8. Endotracheal intubation
9. Ventilation
10. Tracheostomy
11. ICP monitoring
12. Gama Knife
13. Cerebral angiography
14. Myelography
15. Neuro surgeries

III. Procedures Performed:
1. Airway management
   a. Application of OroPharyngeal Airway
   b. Care of Tracheostomy
   c. Conduct Endotracheal Intubation
   d. Use of AMBU bag, artificial respirators
   e. Setting of Ventilators and Care of patients on ventilators
2. Cardio Pulmonary Resuscitation - Defibrillation
3. Neurological assessment - Glasgow coma scale
4. Gastric Lavage
5. IV Cannulation
6. Administration of emergency IV Drugs, fluid
7. Care of patients with incontinence, bladder training - Catheterization
8. Care of patients on traction related to the neurological conditions
10. Muscle strengthening exercises
11. Guidance and counseling

IV. Other Procedures:

Weightage for Internal Assessment: (common to all speciality)

A  Theory  Term Test: 30
       Assignment: 20

B  Practical
   Practical Examination : 50
   Clinical Evaluation   : 20
   Project              : 10
   Case study           : 10
   Field/ Observational visit : 10
CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING- NEPHRO-uroLOGY NURSING

Placement : II Year

Hour of Instruction
Theory : 150 Hours
Practical : 1050hrs Total :
1200
Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of Nephro and urological Nursing. It will help students to develop advanced skills for nursing intervention in various nephro and urological conditions. It will enable the student to function as nephro and urology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of nephro and urology nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate trends and issues related to nephro and urological nursing
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of nephro and urological conditions
3. Perform physical, psychosocial & spiritual assessment
4. Assist in various diagnostic, therapeutic and surgical interventions
5. Provide comprehensive nursing care to patients with nephro and urological conditions
6. Describe the various drugs used in nephro and urological conditions and nurses responsibility
7. Demonstrate skill in handling various equipments/gadgets used for patients with nephro and urological conditions
8. Appreciate team work & coordinate activities related to patient care.
9. Practice infection control measures.
10. Identify emergencies and complications & take appropriate measures
11. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs
12. Discuss the legal and ethical issues in nephro and urological nursing
13. Identify the sources of stress and manage burnout syndrome among health care providers
14. Appreciate the role of alternative system of medicine in the care of patient
15. Incorporate evidence based nursing practice and identify the areas of research in the field of nephro and urological nursing
16. Teach and supervise nurses and allied health workers.
17. Design a layout of kidney transplant unit and dialysis unit
18. Develop standards of nephro urological nursing practice
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| I | 5 | Introduction  
Historical development: trends and issues in the field of nephro and urological nursing.  
nephro and urological problems  
Concepts, principles and nursing perspectives  
Ethical and legal issues  
Evidence based nursing and its application in nephro and urological nursing (to be incorporated in all the units) |
| II | 5 | Epidemiology  
Major health problems- urinary dysfunction, urinary tract infections, Glomerular disorders, obstructive disorders and other urinary disorders  
Risk factors associated with nephro and urological conditions  
conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations  
Health promotion, disease prevention, lifestyle modification and its implications to nursing  
Alternate system of medicine/complementary therapies |
| III | 5 | Review of anatomy and physiology of urinary system  
Embryology  
Structure and functions  
Renal circulation  
Physiology of urine formation  
Fluid and electrolyte balance  
Acid base balance  
Immunology specific to kidney |
| IV | 20 | Assessment and diagnostic measures  
History taking  
Physical assessment, psychosocial assessment  
Common assessment abnormalities-dysuria, frequency, enuresis, urgency, hesitancy, hematuria, pain, retention, burning on urination, pneumaturia, incontinence, nocturia, polyuria, anuria, oliguria,  
Diagnostic tests-urine studies, blood chemistry, radiological procedures-KUB, IVP, nephrotomogram, retrograde pylogram, renal arteriogram, renal ultrasound, CT scan, MRI, cystogram, renal |
<table>
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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<tbody>
<tr>
<td></td>
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<td>scan, biopsy, endoscopy-cystoscopy, urodynamics studies- cystometrogram, urinary flow study, sphincter electromyography, voiding pressure flow study, videourodynamic, Whitaker study</td>
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<tr>
<td></td>
<td></td>
<td>Interpretation of diagnostic measures</td>
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<tr>
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<td></td>
<td>Nurse’s role in diagnostic tests</td>
</tr>
</tbody>
</table>
| V    | 5     | Renal immunopathy/Immunopathology  
General Concept of immunopathology  
Immune mechanism of glomerular vascular disease  
Role of mediator systems in glomerula vascular disease |
| VI   | 15    | Urological Disorders and Nursing Management  
Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of  
Urinary tract infections- pyelonephritis, lower urinary Disorders for ureters, bladder and urethra  
Urinary tract infections- Urinary dysfunctions- urinary retention, urinary incontinence, urinary reflux, Bladder disorders- neoplasms, calculi, neurogenic bladder, trauma, congenital abnormalities  
Benign prostrate hypertrophy(BPH)  
Ureteral disorders: ureteritis, ureteral trauma, congenital anomalies of ureters  
Ureteral disorders- tumours, trauma, congenital anomalies of ureters, |
| VII  | 25    | Glomueral disorders and nursing management  
Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of  
Glomueralo nephritis- chronic, acute, nephritic syndrome  
Acute Renal failure and chronic renal failure  
Renal calculi  
Renal tumours-benign and malignant  
Renal trauma  
Renal abscess  
Diabetic nephropathy  
Vascular disorders  
Renal tuberculosis  
Polycystic  
Congenital disorders  
Hereditary renal disorders |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</thead>
</table>
| VIII | 10    | Management of Renal emergencies  
Anuria  
Acute Renal failure  
Poisoning  
Trauma  
Urine retention  
Acute graft rejection  
Hematuria  
Nurse’s role |
| IX   | 10    | Drugs used in urinary disorders  
Classification  
Indications, contraindications, actions and effects, toxic effects  
Role of nurse |
| X    | 10    | Dialysis  
Dialysis- Historical, types, Principles, goals  
• Hemodialysis- vascular access sites- temporary and permanent  
• Peritoneal dialysis  
Dialysis Procedures- steps, equipments, maintenance,  
Role of nurse- pre dialysis, intra and post dialysis  
Complications-  
Counseling  
patient education  
Records and reports |
| XI   | 10    | Kidney transplantation  
Nursing management of a patient with Kidney transplantation  
Kidney transplantations- a historical review  
Immunology of graft rejections  
The recipient of a renal transplant  
Renal preservations  
Human Leucocytic Antigen(HLA) typing matching and cross matching in renal transplantation  
Surgical techniques of renal transplantations  
Chronic renal transplant rejection  
Complication after KTP: Vascular and lymphatic, Uroloical, cardiovascular, liver and neurological, infectious complication  
KTP in children and management of pediatric patient with KTP  
KTP in developing countries  
Results of KTP  
Work up of donor and recipient for renal transplant  
Psychological aspect of KTP and organ donations  
Ethics in transplants  
Cadaveric transplantation |
<table>
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</table>
| XII  | 5     | Rehabilitation of patient with nephrological problems  
|      |       | Risk factors and prevention  
|      |       | Rehabilitation of patients on dialysis and after kidney transplant  
|      |       | Rehabilitation of patients after urinary diversions  
|      |       | Family and patient teaching |
| XIII | 10    | Pediatric urinary disorders  
<p>|      |       | Etiology, clinical manifestations, diagnosis, prognosis, in children with Renal Diseases - UTI, ureteral reflux, glomerulonephritis, nephrotic syndrome infantile nephrosis, cystic kidneys, familial factors in renal diseases in childhood, Haemolytic uraemic syndrome |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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<tbody>
<tr>
<td></td>
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<td>syndrome. Benign recurrent haemturia, nephropathy, tumour</td>
</tr>
</tbody>
</table>
| XIV  | 5     | Critical care units- dialysis, KTP unit  
Philosophy, aims and objectives  
Policies, staffing pattern, design and physical plan of Dialysis and KTP units  
Team approach, functions  
Psychosocial aspects in relation to staff and clients of ICU, dialysis unit  
In-service education  
Ethical and legal issues |
| XV   | 5     | Quality assurance in nephrological nursing practice  
Role of advance practitioner in nephrological nursing  
Professional practice standards  
Quality control in nephrological nursing  
Nursing audit |
Practicals

Total = 1 050 Hours
1 Week = 30 Hours

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Dept./ Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>Nephrology Ward</td>
<td>6</td>
<td>180 Hours</td>
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<tr>
<td>2</td>
<td>Pediatrics</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>3</td>
<td>Critical Care Unit</td>
<td>3</td>
<td>90 Hours</td>
</tr>
<tr>
<td>4</td>
<td>Urology Ward</td>
<td>6</td>
<td>180 Hours</td>
</tr>
<tr>
<td>5</td>
<td>Dialysis Unit</td>
<td>5</td>
<td>150 Hours</td>
</tr>
<tr>
<td>6</td>
<td>Kidney Transplantation Unit</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>7</td>
<td>URO OT</td>
<td>3</td>
<td>90 Hours</td>
</tr>
<tr>
<td>8</td>
<td>Emergency Wards</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>9</td>
<td>Uro Nephro OPDs</td>
<td>4</td>
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</tr>
<tr>
<td>10</td>
<td>Diagnostic Labs</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>35 Weeks</strong></td>
<td><strong>1050 Hours</strong></td>
</tr>
</tbody>
</table>

Procedures observed

I. Procedures Observed

1. CT Scan
2. MRI
3. Radiographic studies
4. Urodynamics
5. Hemodialysis
6. Renal Surgeries

II. Procedures Assisted

1. Blood transfusion
2. IV cannulation therapy
3. Arterial Catheterization
4. Insertion of central line/evp line
5. Connecting lines for dialysis
6. Peritoneal dialysis
7. Renal biopsy
8. Endoscopies- Bladder, urethra
III. Procedure Performed

1. Health assessment
2. Insertion of urethral and supra pubic catheters
3. Urine analysis
4. Catheterisation
5. Peritoneal dialysis
6. Bladder irrigation
7. Care of ostomies
8. Care of urinary drainage
9. Bladder training
10. Care of vascular access
11. Setting up dialysis machine and starting, monitoring and closing dialysis
12. Procedures for prevention of infections:
15. Administration of drugs: IM, IV injection, IV cannulation & fixation of infusion pump, calculation of dosages, blood administration. monitoring -fluid therapy, electrolyte imbalance,
17. Counseling

IV. OTHER PROCEDURES:

Weightage for Internal Assessment: (common to all speciality)

<table>
<thead>
<tr>
<th>A  Theory</th>
<th>Term Test: 30</th>
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<tbody>
<tr>
<td>Assignment</td>
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<table>
<thead>
<tr>
<th>B  Practical</th>
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<tbody>
<tr>
<td>Practical Examination</td>
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<tr>
<td>Clinical Evaluation</td>
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<tr>
<td>Project</td>
</tr>
<tr>
<td>Case study</td>
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<tr>
<td>Field/ Observational visit</td>
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</tbody>
</table>
CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING - ORTHOPEDIC NURSING

Placement: II Year

Hours of Instruction
Theory: 150 Hours
Practical: 1050hrs
Total: 1200 Hours

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of orthopedic nursing. It will help students to develop advanced skills for nursing intervention in various orthopedic conditions. It will enable the student to function as orthopedic nurse practitioner/specialist providing quality care. It will further enable the student to function as educator, manager, and researcher in the field of orthopedic nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate the history and developments in the field of orthopedic nursing
2. Identify the psycho-social needs of the patient while providing holistic care.
3. Perform physical and psychological assessment of patients with orthopedic conditions and disabilities.
4. Describe various disease conditions and their management
5. Discuss various diagnostic tests required in orthopedic conditions
6. Apply nursing process in providing care to patients with orthopedic conditions and those requiring rehabilitation.
7. Recognize and manage orthopedic emergencies.
8. Describe recent technologies and treatment modalities in the management of patients with orthopedic conditions and those requiring rehabilitation.
9. Integrate the concept of family centered, long term care and community based rehabilitation to patients with orthopedic conditions.
10. Counsel the patients and their families with orthopedic conditions
11. Describe various orthodontic and prosthetic appliances
12. Appreciate the legal and ethical issues pertaining to patients with orthopedic conditions and those requiring rehabilitation.
13. Appreciate the role of alternative system of medicine in care of patients with orthopedic conditions
14. Incorporate evidence based nursing practice and identify the areas of research in the field of orthopedic nursing.
15. Recognize the role of orthopedic nurse practitioner and as a member of the orthopedic and rehabilitation team.
16. Teach orthopedic nursing to undergraduate students and in-service nurses.
17. Prepare a design and layout of orthopedic and rehabilitative units.

Course Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| I    | 5     | **Introduction**  
 |      |       | Historical perspectives – History and trends in orthopedic nursing  
 |      |       | Definition and scope of orthopedic nursing  
 |      |       | Anatomy and physiology of Musculo-skeletal system  
 |      |       | Posture, Body landmarks  
 |      |       | Skeletal system  
 |      |       | Muscular system  
 |      |       | Nervous system - Main nerves  
 |      |       | Healing of Injury, bone injury,  
 |      |       | Repair of ligaments  
 |      |       | Systemic response to injury  
 |      |       | Ergonomics, Body mechanics, biomechanical measures  
 |      |       | Orthopedic team |
| II   | 8     | **Assessment of Orthopedic Patient**  
 |      |       | Health Assessment: History, physical examination - Inspection, palpation, movement, Measurement, muscle strength Testing.  
 |      |       | Diagnostic studies – Radiological studies, Muscle enzymes, serologic studies |
| III  | 10    | **Care of patients with devices**  
 |      |       | Splints, braces, various types of plaster cast  
 |      |       | Various types of tractions,  
 |      |       | Various types of orthopedic beds and mattresses  
 |      |       | Comfort devices  
 |      |       | Implants in orthopedic  
 |      |       | Prosthetics and Orthotics |
| IV   | 15    | **Injuries**  
 |      |       | *Trauma & Injuries*  
 |      |       | Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of:  
 |      |       | - Early management of Trauma  
 |      |       | - Fractures  
 |      |       | - Injuries of the  
 |      |       | - Shoulder and arm  
 |      |       | - Elbow, fore arm, wrist, hand  
 |      |       | - Hip, thigh, knee, leg, ankle, foot  
<p>|      |       | - Spine |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
|       |       | Head injury  
       |       | Chest injury  
       |       | • Polytrauma  
       |       | • Nerve injuries  
       |       | • Vascular injuries  
       |       | • Soft tissue injuries  
       |       | • Sports injuries  
       |       | • Amputation  |
| V     | 8     | **Infections of Bones and Joint** Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of:  
       |       | • Tuberculosis  
       |       | • Osteomyelitis  
       |       | • Arthritis  
       |       | • Leprosy  |
| VI    | 5     | **Bone Tumours** Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of:  
       |       | • Bone tumors – Benign, Malignant and metastatic  
       |       | • Different types of therapies for tumors  |
| VII   | 10    | **Deformities** Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis – medical surgical and nursing management of: Scoliosis, Kyphosis, Lordosis  
       |       | Congenital disorders: Congenital dislocation of hip (CDH), Dislocation of patella, knee, Varus and valgus deformities,  
       |       | Deformities of digits, Congenital torticollis. Meningocele, meningomyelocele, spina bifida,  
       |       | Chromosomal disorders.  
       |       | Computer related deformities  |
| VIII  | 5     | **Disorders of the spine** Intervertebral disc prolapse, Fracture of the spine  
<pre><code>   |       | Low back disorder – Low back pain, PND, spinal stenosis, Spondylosis  |
</code></pre>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</table>
| IX   | 5     | **Nutritional/Metabolic and Endocrine Disorders**  
  Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of:  
  • Rickets,  
  • Scurvy,  
  • Hyper vitaminosis A and D,  
  • Osteomalacia,  
  • Osteoporosis  
  • Paget’s disease,  
  • gout,  
  • Gigantism,  
  • Dwarfism,  
  • Acromegaly.  
  • Therapeutic diets for various orthopedic disorders |
| X    | 8     | **Neuro-Muscular Disorders:**  
  Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis  
  medical surgical and nursing management of:  
  • Poliomyelitis, Cerebral Palsy  
  • Myasthenia gravis  
  • Spina bifida.  
  • Peripheral nerve lesion,  
  • Paraplegia, Hemiplegia, Quadriplegia.  
  • Muscular dystrophy |
| XI   | 8     | **Chronic/Degenerative Diseases of Joints and Autoimmune Disorders:**  
  Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis – medical surgical and nursing management of:  
  • Osteo Arthritis  
  • Rheumatoid Arthritis  
  • Ankylosing spondylitis.  
  • Spinal disorders.  
  • Systemic Lupus Erythematosus |
| XII  | 5     | **Orthopedic Disorders in Children:**  
  General and special consideration on pediatric orthopedics  
  Genetic disorders  
  Congenital anomalies  
  Growth disorders  
  Genetic counseling  
  Nurses role in genetic counseling |
| XIII | 5     | **Geriatric Problems**  
  Geriatric population, types of disabilities, causes, treatment and Management – Hospitalization, rest, physiotherapy, involvement of family members, social opportunities.  
  Care at home – involvement of family and community, follow up care and rehabilitation |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| XIV  | 6     | **Pharmacokinetics**  
- Principles of drug administration  
- Analgesics and anti inflammatory agents  
- Antibiotics, Antiseptics,  
- Drugs used in orthopedics and neuromuscular disorders  
- Blood and blood components  
- Care of drugs and nurses role |
| XV   | 30    | **Nurses Role in Orthopedic Conditions**  
- Gait analysis  
- Urodynamic studies  
- Prevention of physical deformities  
- Alteration of body temperature regulatory system and immune systems  
- Immobilization – cast, splints, braces and tractions  
- Prevention and care of problems related to immobility  
- Altered sleep patterns  
- Impaired communication  
- Self care and activities of daily living  
- Bladder and bowel rehabilitation  
- Sensory function rehabilitation  
- Psychological reaction related to disabilities and disorders.  
- Coping of individual and family with disabilities and disorders  
- Maintaining sexuality  
- Spirituality – A rehabilitative prospective  

**Orthopedic Reconstructive Surgeries**  
- Replacement surgeries – Hip, Knee, Shoulder  
- Spine surgeries  
- Grafts and flaps surgery  
- Deformity correction. |

**Physiotherapy**  
- Concepts, Principles, purpose,  
  - Mobilization – Exercises: types, re-education in walking: Crutch walking, wheelchair, Transfer techniques,  
  - Types of gaits: Non-weight bearing, partial weight bearing, four point crutch, tripod, walking with sticks, calipers  
  - Forms of therapies: Hydrotherapy, electrotherapy, wax bath, heat therapy, ice, helio therapy, radiant heat,  
  - Chest physiotherapy |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| XVI   | 8     | **Rehabilitation**  
Principles of rehabilitation, definition, philosophy, process,  
Various types of therapies  
Special therapies and alternative therapies  
Rehabilitation counseling  
Preventive and restorative measures.  
Community based rehabilitation (CBR)  
Challenges in rehabilitation.  
Role of the nurse in rehabilitation,  
Legal and ethical issues in rehabilitation nursing  
Occupational therapy |
| XVII  | 5     | **National Policies and Programmes**  
National programmes for rehabilitation of persons with disability - National Institutes, artificial limbs manufacturing Corporation,  
District Rehabilitation Centers and their schemes  
Regional rehabilitation centers etc  
Public policy in rehabilitation nursing  
The persons with disabilities act 1995,  
The National Trust Rules 1999 and 2000  
Rehabilitation Council of India  
Legal and ethical aspects in orthopedic nursing  
Rehabilitation health team and different categories of team members. |
| XVIII | 4     | **Quality assurance**  
Standards, Protocols, Policies, Procedures  
Nursing audit  
Staffing  
Design of orthopedic, physiotherapy and rehabilitation unit |

**Practicals**

1. Clinical practice in Orthopedic, physiotherapy and Rehabilitation Units.
3. Apply Theories and Nursing Process in the management of patients with orthopedic conditions.
4. Provide various types of physical and rehabilitative therapies
5. Provide health education on related disease conditions.
6. Unit management and plan - designing
Clinical Experience

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Dept./Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Orthopedic Ward</td>
<td>8</td>
<td>240 Hours</td>
</tr>
<tr>
<td>2</td>
<td>Orthopedic Operation theater</td>
<td>5</td>
<td>150 Hours</td>
</tr>
<tr>
<td>3</td>
<td>Neurosurgical Ward</td>
<td>3</td>
<td>90 Hours</td>
</tr>
<tr>
<td>4</td>
<td>Orthopedic O.P.D.</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>5</td>
<td>Casualty/Emergency and Trauma</td>
<td>5</td>
<td>150 Hours</td>
</tr>
<tr>
<td>6</td>
<td>Rehabilitation Units</td>
<td>2</td>
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</tr>
<tr>
<td>7</td>
<td>Physiotherapy Unit</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>8</td>
<td>Paediatric /paediatric surgery unit</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>9</td>
<td>Field Visit</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>35 Weeks</td>
<td>1050 Hours</td>
</tr>
</tbody>
</table>

Procedures Observed

1. X Ray
2. Ultrasound
3. MRI
4. C T Scan/bone scan
5. Arthroscopy
6. Electrothermally – assisted capsule shift or ETAC (Thermal capsulorrhaphy)
7. Fluoroscopy
8. Electromyography
9. Myelography
10. Discography
11. Others

Procedures Assisted

1. Blood Transfusion
2. IV cannulation and therapy
3. Ventilation
4. Various types of tractions
5. Orthopedic surgeries – Arthrocentesis, Arthroscopy, Bone lengthening, Arthrodesis, grafting, Fractures fixation, reconstructive, reimplantation, replantation, spinal decompression, transplantation of bone, muscle or articular cartilage, autografting, allografting.
7. Advance Life Support
**Procedures Performed**

1. Interpretation of X ray films.
2. Application and removal of splints, casts, and braces.
3. Care of tractions – skin and skeletal traction, pin site care.
4. Cold therapy.
5. Heat therapy
6. Hydrotherapy
7. Therapeutic exercises
8. Use of TENS (Transcutaneous electrical nerve stimulation)
9. Techniques of transportation
10. Crutch walking, walkers, wheel chair.
11. Use of devices for activities of daily living and prevention of deformities.
14. Special skin/ part preparations for orthopedic surgeries.
15. Surgical dressings – Debridement.
16. Bladder and bowel training

**Other Procedures**

**Weightage for Internal Assessment: (common to all speciality)**

<table>
<thead>
<tr>
<th>A Theory</th>
<th>Term Test: 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment: 20</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B Practical</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical Examination</td>
<td>: 50</td>
</tr>
<tr>
<td>Clinical Evaluation</td>
<td>: 20</td>
</tr>
<tr>
<td>Project</td>
<td>: 10</td>
</tr>
<tr>
<td>Case study</td>
<td>: 10</td>
</tr>
<tr>
<td>Field/ Observational visit</td>
<td>: 10</td>
</tr>
</tbody>
</table>
CLINICAL SPECIALITY - II

MEDICAL SURGICAL NURSING - GASTRO ENTEROLOGY NURSING
Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of gastroenterology nursing. It will help students to develop advanced skills for nursing intervention in various gastroenterology conditions. It will enable the student to function as gastroenterology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of gastroenterology nursing.

Objectives

At the end of the course, the students will be able to:

1. Appreciate trends and issues related to gastroenterology nursing.
2. Describe the epidemiology, etiology, pathophysiology, and diagnostic assessment of gastrointestinal conditions.
3. Participate in national health programs for health promotion, prevention, and rehabilitation of patients with gastrointestinal conditions.
4. Perform physical, psychosocial, and spiritual assessment.
5. Assist in various diagnostic, therapeutic, and surgical procedures.
6. Provide comprehensive care to patients with gastrointestinal conditions.
7. Describe the various drugs used in gastrointestinal conditions and nurses' responsibility.
8. Demonstrate skill in handling various equipments/gadgets used for patients with gastrointestinal conditions.
9. Appreciate team work & coordinate activities related to patient care.
10. Practice infection control measures.
11. Identify emergencies and complications & take appropriate measures.
12. Assist patients and their family to cope with emotional distress, grief, anxiety, and spiritual needs.
13. Discuss the legal and ethical issues in GE nursing.
14. Identify the sources of stress and manage burnout syndrome among health care providers.
15. Appreciate the role of alternative system of medicine in care of patient.
16. Incorporate evidence-based nursing practice and identify the areas of research in the field of gastrointestinal nursing.
17. Teach and supervise nurses and allied health workers.
18. Design a layout of gastroenterology-intensive care unit (GEICU), liver care/transplant unit.
## Course Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| I    | 5     | **Introduction**  
   - Historical development: trends and issues in the field of gastroenterology.  
   - Castro numerological problems  
   - Concepts, principles and nursing perspectives  
   - Ethical and legal issues  
   - Evidence based nursing and its application in gastrointestinal nursing(to be incorporated in all the units) |
| II   | 5     | **Epidemiology**  
   - Risk factors associated with GE conditions-Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations  
   - Health promotion, disease prevention, life style modification and its implications to nursing  
   - National health programmes related to gastroenterology  
   - Alternate system of medicine/complementary therapies |
| III  | 5     | **Review of anatomy and physiology of gastrointestinal system**  
   - Gastrointestinal system  
   - Liver, biliary and pancreas  
   - Gerontological considerations  
   - Embryology of GI system  
   - Immunology specific to GI system |
| IV   | 15    | **Assessment and diagnostic measures**  
   - History taking  
   - Physical assessment, psychosocial assessment  
   - Diagnostic tests  
     - Radiological studies: Upper GIT- barium swallow, lower GIT- Barium enema,  
     - Ultra sound:  
     - Computed tomography  
     - MRI  
     - Cholangiography: Percutaneous transheptatic Cholangiogram(PTC)  
     - Magnetic Resonance Cholangio pancreotomy (MRCP)  
     - Nuclear imaging scans(scintigraphy)  
     - Endoscopy |
<table>
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>• Colonoscopy</td>
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<td>• Proctosigmoidoscopy</td>
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<td></td>
<td></td>
<td>• Endoscopic Retrograde Cholangio pancreatography (ERCP)</td>
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<td>• Endoscopic ultrasound</td>
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<td></td>
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<td>• Peritonoscopy (Laparoscopy)</td>
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<td></td>
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<td>• Gastric emptying studies</td>
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<td></td>
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<td>• Blood chemistries: Serum amylase, serum lipase</td>
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<td></td>
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<td>• Liver biopsy</td>
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<td></td>
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<td>• Miscellaneous tests: Gastric analysis, fecal analysis</td>
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<td></td>
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<td>• Liver function tests: Bile formation and excretion, dye excretion test, Protein metabolism, haemostatic functions- prothrombin vitamin K production, serum enzyme tests, Lipid metabolism- serum cholesterol</td>
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</tbody>
</table>

Interpretation of diagnostic measures

Nurse’s role in diagnostic tests
<table>
<thead>
<tr>
<th>V</th>
<th>25</th>
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</thead>
<tbody>
<tr>
<td><strong>Gastro intestinal disorders and nursing management</strong></td>
<td></td>
</tr>
<tr>
<td>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of</td>
<td></td>
</tr>
<tr>
<td>• Disorders of the mouth: Dental caries, Peridontal disease, Acute tooth infection, Stomatitis, Thrush (moniliasis), Gingivitis, Leukoplakia, Inflammation of the parotid gland, Obstruction to the flow of saliva, Fracture of the jaw</td>
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<tr>
<td>• Disorders of the oesophagus: Reflux oesophagitis, Oesophageal achalasia, Oesoophageal varices, Hiatus hernia, Diverticulum</td>
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<tr>
<td>• Disorders of the stomach and duodenum: Gastritis, Peptic ulcer, Dumping of the stomach, Food poisoning, idiopathic gastroparesis, Aerophagia and belching syndrome, Ideopathic cyclic nausea and vomiting, Rumination syndrome, Functional dyspepsia, Chronic Non specific (functional) abdominal pain</td>
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<tr>
<td>• Disorders of the small intestine</td>
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<tr>
<td>− Malabsorption syndrome – tropical sprue</td>
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<td>− Gluten – sensitive enteropathy (Coeliac disease)</td>
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<tr>
<td>− Inflammatory diseases of intestines and abdomen; appendicitis,</td>
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<tr>
<td>− Chronic inflammatory bowel disease, Ulcerative colites, crohn’s disease</td>
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<tr>
<td>− Infestations and infections – Worm infestations, Typhoid, Leptospirosis</td>
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<tr>
<td>− Solitary rectal ulcer syndrome</td>
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<tr>
<td>− Alteration in bowel elimination (diarrhoea, constipation, fecal impaction, fecal incontinence, Irritable bowel syndrome, Chronic</td>
<td></td>
</tr>
<tr>
<td>Anorectal Conditions: Hemorrhoids, Anal fissure, Anal fistula, Abscess, Strictures, Rectal prolapse, Pruritis ani, Pelonidal disease, Anal condylomas, Warts</td>
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<tr>
<td>Unit</td>
<td>Hours</td>
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</table>
| VI   | 15    | **Disorder of liver, pancreas gall bladder and nursing management**  
Disorders of liver biliary tract  
Viral Hepatitis – A, B, C, D & E  
Toxic hepatitis  
• Cirrhosis of liver, liver failure, Liver transplantation  
• Non cirrhotic portal fibrosis  
• Liver abscess,;  
• Parasitic and other cysts of the liver  
• Disorders of the Gall Bladder and Bile Duct:  
Cholecystitis  
Cholelitiasis  
Choledocholithiasis  
Disorders of the pancreas: Pancreatitis,  
Benign tumors of islet cells  
Disorders of the Peritoneum  
• Infections of the peritoneum  
Surgical peritonitis  
Spontaneous bacterial peritonitis  
Tuberculosis peritonitis  
Disorders of the Diaphragm  
• Diaphragmatic hernia  
• Congenital hernias  
• Paralysis of diaphragm  
• Tumors of the diaphragm  
Hiccups |
| VII  | 15    | **Gastro intestinal emergencies and nursing interventions**  
Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of:  
• Esophageal varices,  
• Ulcer perforation,  
• Acute cholecystitis  
• Diverticulitis  
• Fulminant hepatic failure  
• Biliary obstruction  
• Bowel obstruction  
• Gastroenteritis  
• Intussusception  
• Acute intestinal obstruction, perforation  
• Acute pancreatitis  
• Cirrhosis of liver complications  
• Liver, spleen, stomach pancreatic, mesenteric, bowel and greater vessel injuries  
• Acute appendicitis /peritonitis  
• Acute abdomen  
• Food poisoning |
<table>
<thead>
<tr>
<th>VIII 15</th>
<th>Congenital Anomalies of Esophagus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Esophageal atresia</td>
</tr>
<tr>
<td></td>
<td>• Tracheo esophageal fistula</td>
</tr>
<tr>
<td></td>
<td>• Esophageal stenosis</td>
</tr>
<tr>
<td></td>
<td>• Esophageal duplications</td>
</tr>
<tr>
<td></td>
<td>• Dysphagia – Lusoria – aberrant right subclavian artery compressing esophagus</td>
</tr>
<tr>
<td></td>
<td>• Esophageal rings – schalzkiring</td>
</tr>
<tr>
<td></td>
<td>• Esophageal webs</td>
</tr>
</tbody>
</table>

**Congenital Anomalies of Stomach**

- Gastric atresia
- Micro gastria
- Gastric diverticulum
- Gastric duplication
- Gastric teratoma
- Gastric volvulus
- Infantile hypertrophic pyloric stenosis
- Adult hypertrophic pyloric stenosis

**Congenital Anomalies of Duodenal**

- Duodenal Atresia or stenosis
- Annular pancreas
- Duodenal duplication cysts
- Malrotation and mid gut volvulus

**Developmental anomalies of the intestine:**

- Abdominal wall defects (omphalocele and Gastroschisis)
- Meckel’s diverticulum
- Intestinal atresia
- Hirschsprung’s disease
## IX 15
### Pharmo Kinetics
- Drugs used in GIT
- Principles of administration
- Roles responsibilities of nurses
- Drugs in Peptic ulcer disease
- Proton Pump inhibitors
- H2 Receptor Antagonists
- Cytoprotective Agents:
  - Drugs used in Diarrhea
  - Drugs used in constipation
  - Drugs used in Inflammatory Bowel Disease
- Aminosalicylates
- Corticosteroids
- Immunomodulators
- chemotherapy
- Antibiotics
- Antiemetics:
  - Anticholinergics
  - Antihistaminics
- Antihelminthics
- Vitamin Supplements

## X 10
### Nutrition and nutritional problems related to GI system
- Nutritional assessment and nursing interventions
- Therapeutic diets
- Malnutrition- etiology, clinical manifestations and management
- Tube feeding, parenteral nutrition, total parenteral nutrition
- Obesity- etiology, clinical manifestations and management
- Eating disorders- anorexia nervosa, bulimia
- Recent advances in nutrition

## XI 15
### Malignant disorders of gastro intestinal system
- Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical, other modalities and nursing management of:
  - Malignancy of oral cavity, Lip, Tongue, buccal
  - Esophageal, Gastric, Carcinoma of bowel - 
    Small bowel, Colorectal and Anal carcinoma,
  - Liver, biliary tract and Pancreatic carcinoma

## XII 5
### Administration and management of GE unit
- Design & layout
- Staffing, Equipment, supplies,
- Infection control; Standard safety measures
- Quality Assurance:- Nursing audit – records/reports, Norms, policies and protocols
- Practice standards
| XIII | 5 | **Education and training in GE care**  
Staff orientation, training and development,  
In-service education program,  
- Clinical teaching programs |
Practicals  
Total = 1050 Hours  
1 Week = 30 Hours

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Dept./Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>Diagnostic labs</td>
<td>2</td>
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</tr>
<tr>
<td>2</td>
<td>Emergency and casualty</td>
<td>3</td>
<td>90 Hours</td>
</tr>
<tr>
<td>3</td>
<td>Liver transplant unit</td>
<td>1</td>
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<tr>
<td>4</td>
<td>GE Medical Ward</td>
<td>6</td>
<td>180 Hours</td>
</tr>
<tr>
<td>5</td>
<td>GE Surgical Ward</td>
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<tr>
<td>6</td>
<td>OT</td>
<td>3</td>
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<tr>
<td>7</td>
<td>ICU</td>
<td>5</td>
<td>150 Hours</td>
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<tr>
<td>8</td>
<td>Pediatric gastroenterology</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>9</td>
<td>Oncology</td>
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<td>10</td>
<td>GE OPD</td>
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<td></td>
<td>Total</td>
<td>35 Weeks</td>
<td>1050 Hours</td>
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</tbody>
</table>

**Procedures Assisted**

1. Endoscopy room – Upper G.I. Endoscopy (Diagnostic and therapeutic).  
2. Sigmoidoscopy  
3. Colonoscopy  
4. Polypectomy  
5. Endoscopic retrograde cholangio pancreatiography (ERCP)  
6. Liver biopsy  
7. Percutaneous catheter drainage (PCD) of Pseudocyst pancreas  
8. Abdominal paracentesis  
9. Percutaneous aspiration of liver abscess  
10. GE Lab : PT, HbsAg, Markers – A, B, C virus, CBP, ESR, Stool Test

**Procedures Performed**

1. History and Physical assessment  
2. RT intubation / extubation / aspiration/suction  
3. Gastric lavage and gavage  
4. Bowel wash  
5. Therapeutic Diets  
6. Ostomy feeding  
7. Stoma care  
8. Monitoring vital parameters  
9. Plan of inservice education programme for nursing staff and Class-IV employees  
10. Counseling
Weightage for Internal Assessment: (common to all speciality)

A  Theory
   Term Test: 30
   Assignment: 20

B  Practical
   Practical Examination : 50
   Clinical Evaluation : 20
   Project : 10
   Case study : 10
   Field/ Observational visit : 10
CLINICAL SPECIALTY –II

PEDIATRIC (CHILD HEALTH) NURSING

Placement : II Year

Hours of Instruction
Theory 150 hours
Practical 1050 hours
Total : 1200 hours

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of Pediatric Nursing. It will help students to develop advanced skills for nursing intervention in various pediatric medical and surgical conditions. It will enable the student to function as pediatric nurse practitioner/specialist. It will further enable the student to function as educator, manager, and researcher in the field of Paediatric nursing.

Objectives

At the end of the course the students will be able to:

1. Apply the nursing process in the care of ill infants to pre adolescents in hospital and community
2. Demonstrate advanced skills/competence in nursing management of children with medical and surgical problems
3. Recognize and manage emergencies in children
4. Provide nursing care to critically ill children
5. Utilize the recent technology and various treatment modalities in the management of high risk children
6. Prepare a design for layout and describe standards for management of pediatric units/hospitals
7. Identify areas of research in the field of pediatric nursing
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| I    | 5     | Introduction  
Current principles, practices and trends in Pediatric Nursing  
Role of pediatric nurse in various settings -Expanded and extended |
| II   | 35    | Pathophysiology, assessment(including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities and nursing intervention in selected pediatric medical disorders  
- Child with respiratory disorders:  
  - Upper respiratory tract: choanal atresia, tonsillitis, epistaxis, aspiration.  
  - Lower respiratory tract: Bronchoeolitis, Bronchopneumonia, Asthma, cystic fibrosis  
- Child with gastro-intestinal disorders:  
  - Diarrheal diseases, gastro-esophageal reflux.  
  - Hepatic disorders: Hepatitis, Indian childhood cirrhosis, liver transplantation.  
  - Malabsorption syndrome, Malnutrition  
- Child with renal/ urinary tract disorders: Nephrotic syndrome, Nephritis, Hydronephrosis, hemolytic-uremic syndrome, kidney transplantation  
- Child with cardio-vascular disorders:  
  - Acquired: Rheumatic fever, Rheumatic heart disease,  
  - Congenital: Cynotic and acynotic  
- Child with endocrine/metabolic disorders: Diabetes insipidus, Diabetes Mellitus – IDDM, NIDDM, hyper and hypo thyroidism, phenylketonuria, galactosemia  
- Child with Neurological disorders: Convulsions, Meningitis, encephalitis, guillian- Barre syndrome  
- Child with oncological disorders: Leukemias, Lymphomas, Wilms' tumor, nephroblastomas, neuroblastomas, Rhabdomysarcoma, retinoblastoma, hepatoblastoma, bone tumors  
- Child with blood disorders: Anemias, thalassemias, hemophilia, polycythemiaz, thrombocytopenia, and disseminated intravascular coagulation  
  - Child with skin disorders  
  - Common Eye and ENT |
<table>
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</thead>
</table>
| III  | 35    | Assessment(including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities including cosmetic surgery and nursing interventions in selected pediatric surgical problems/ Disorders  
  - Gastrointestinal system: Cleft lip, cleft palate and conditions requiring plastic surgery, Tracheo esophageal fistula/ atresia, Hirschsprungs’ disease/megacolon, malrotation, intestinal obstruction, duodenal atresia,  
  - Gastrochisis, exomphalus, anorectal malformation, omphalocele, diaphragmatic hernia  
  - Anomalies of the nervous system: Spina bifida, Meningocele, Myelomeningocele, hydrocephalus  
  - Anomalies of the genito-urinary system: Hypospadias, Epispadias, Undescended testes, Exstrophy bladder  
  - Anomalies of the skeletal system  
  - Eye and ENT disorders  
  Nursing management of the child with traumatic injuries: General principles of managing Pediatric trauma  
  - Head injury, abdominal injury, poisoning, foreign body obstruction, burns  
  - Bites  
  - Child with oncological disorders: Solid tumors of childhood, Nephroblastoma, Neuro blastoma, Hodgkin's/Non Hodgkin's Lymphoma, Hepatoblastoma, Rhabdomyosarcoma  
  - Management of stomas, catheters and tubes  
  - Management of wounds and drainages |
| IV   | 10    | Intensive care for pediatric clients  
  Resuscitation, stabilization & monitoring of pediatric patients  
  Anatomical & physiological basis of critical illness in infancy and childhood  
  Care of child requiring long-term ventilation  
  Nutritional needs of critically ill child  
  Legal and ethical issues in pediatric intensive care  
  Intensive care procedures, equipment and techniques  
  Documentation |
<table>
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</table>
| V    | 20    | High Risk Newborn  
Concept, goals, assessment, principles.  
Nursing management of  
• Post-mature infant, and baby of diabetic and substance use mothers.  
• Respiratory conditions, Asphyxia neonatorum, neonatal apnoea meconium aspiration syndrome, pneumo thorax, pneumo mediastinum  
• Icterus neonatorum.  
• Birth injuries.  
• Hypoxic ischaemic encephelopathy  
• Congenital anomalies.  
• Neonatal seizures.  
• Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia.  
• Neonatal heart diseases.  
• Neonatal hemolytic diseases  
• Neonatal infections, neonatal sepsis, ophthalmia neonatorum, congenital syphilis, HIV/AIDS  
• Advanced neonatal procedures.  
• Calculation of fluid requirements.  
• Hematological conditions — erythroblastosis  
• Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU |
| VI   | 10    | Developmental disturbances and implications for nursing  
Adjustment reaction to school,  
Learning disabilities  
Habit disorders, speech disorders,  
Conduct disorders,  
Early infantile autism, Attention deficit hyperactive disorders (ADHD), depression and childhood schizophrenia. |
| VII  | 10    | Challenged child and implications for nursing  
Physically challenged, causes, features, early detection & management  
Cerebral palsied child,  
Mentally challenged child.  
Training & rehabilitation of challenged children |
| VIII | 5     | Crisis and nursing intervention  
The hospitalized child,  
Terminal illness & death during childhood  
Nursing intervention-counseling |
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<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</thead>
</table>
| IX   | 5     | Drugs used in Pediatrics  
|      |       | Criteria for dose calculation  
|      |       | Administration of drugs, oxygen and blood  
|      |       | Drug interactions  
|      |       | Adverse effects and their management |
| X    | 10    | Administration and management of pediatric care unit  
|      |       | Design & layout  
|      |       | Staffing,  
|      |       | Equipment, supplies,  
|      |       | Norms, policies and protocols  
|      |       | Practice standards for pediatric care unit  
|      |       | Documentation |
| XI   | 5     | Education and training in Pediatric care  
|      |       | Staff orientation, training and development,  
|      |       | In-service education program,  
|      |       | Clinical teaching programs. |

**Practical**

Total = 1050 Hours  
1 Week = 30 Hours

- Field visits:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Dept./ Unit</th>
<th>No. of Week</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pediatric medicine ICU</td>
<td>5</td>
<td>150 Hours</td>
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<tr>
<td>2</td>
<td>Pediatric surgical ICU</td>
<td>5</td>
<td>150 Hours</td>
</tr>
<tr>
<td>3</td>
<td>NICU</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>4</td>
<td>Pediatric OT</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>5</td>
<td>Pediatric medicine ward</td>
<td>6</td>
<td>180 Hours</td>
</tr>
<tr>
<td>6</td>
<td>Pediatric surgery ward</td>
<td>6</td>
<td>180 Hours</td>
</tr>
<tr>
<td>7</td>
<td>Emergency/Casualty</td>
<td>5</td>
<td>150 Hours</td>
</tr>
<tr>
<td>8</td>
<td>Field visits*</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>35 Weeks</strong></td>
<td><strong>1050 Hours</strong></td>
</tr>
</tbody>
</table>

*Child care center, Anganwadi, play school, Special schools for challenged children, Juvenile court, UNICEF, Orphanage, Creche, SOS village*
Essential

I. Procedures Observed:
   - Echo cardiogram
   - Ultrasound head
   - ROP screening (Retinopathy of prematurity)
   - Any other

II. Procedures Assisted
   - Advanced neonatal life support
   - Lumbar Puncture
   - Arterial Blood Gas
   - ECG Recording
   - Umbilical catheterization – arterial and venous
   - Arterial B P monitoring
   - Blood transfusion- exchange transfusion full and partial
   - IV cannulation & therapy
   - Arterial catheterization
   - Chest tube insertion
   - Endotracheal intubation
   - Ventilation
   - Insertion of long line
   - Assist in surgery

III. Procedures Performed:
   - Airway Management
     - Application of Oro Pharyngeal Airway
     - Oxygen therapy
     - CPAP(Continuous Positive Airway Pressure)
     - Care of Tracheostomy
     - Endotracheal Intubation
   - Neonatal Resuscitation
   - Monitoring of Neonates – clinically & with monitors,
     CRT(Capillary Refill Time), assessment of jaundice, ECG
   - Gastric Lavage
   - Setting of Ventilators
   - Phototherapy
   - Assessment of Neonates: Identification & assessment of risk factors, APGAR Score, gestation age, Anthropometric assessment, Weighing the baby, Newborn examination, detection of congenital abnormalities,
   - Admission & discharge of neonates
   - Feeding - management of breast feeding, artificial
   - Thermoregulation- Axillary temperature, Kangaroo Mother Care (KMC), Use
   - Administration of Drugs: I/M, IV injection, IV Cannulation & fixation
     infusion pump, Calculation of dosages,
     Neonatal formulation of drugs, use of tuberculin/ insulin
   - Procedures for prevention of infections: Hand wash
   - Collection of specimens
• Setting, Use & maintenance of basic equipment: Ventilator, O2 analyzer, monitoring equipment, Photo therapy unit, Flux meter, Infusion pump, Radiant warmer, incubator, Centrifuge machine, Bilimeter, Refractometer, laminar flow

IV. Other Procedures:

**Weightage for Internal Assessment: (common to all speciality)**

<table>
<thead>
<tr>
<th>A</th>
<th>Theory</th>
<th>Term Test: 30</th>
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<tbody>
<tr>
<td></td>
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<td>Assignment: 20</td>
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<tr>
<th>B</th>
<th>Practical</th>
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<tbody>
<tr>
<td></td>
<td>Practical Examination: 50</td>
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<tr>
<td></td>
<td>Clinical Evaluation: 20</td>
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<td>Project: 10</td>
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<tr>
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<td>Case study: 10</td>
</tr>
<tr>
<td></td>
<td>Field/ Observational visit: 10</td>
</tr>
</tbody>
</table>

**Pediatric Nursing**

**Recommended Books:**

1.) Kyle – Essentials of Pediatric Nursing, 2009, LWW  
3.) Hockenberry – Essentials of Pediatric Nursing, 2008, Elsevier  
4.) Potts – Pediatric Nursing, 2007, Thomson Learning  
5.) Bowden – Pediatric Nursing Procedure, 2009, LWW

**Reference Books:**

1.) Hockenberry – Wong’s Nursing Care of the Infants & Children, 2007, Elsevier  
2.) Hatfield – Broadribb’s Introductory Pediatric Nursing, 2007, LWW  
3.) Lakshmana’s – Clinical Pediatrics, Lakshmana Publications  
4.) Bowden – Children and Their Families, 2010, LWW  
6.) Ghai – Essentials of Pediatrics, 2009, CBS  
7.) Avery’s Neonatology, 2006, LWW  
8.) Fleisher – Pediatric emergency Medicine, 2006,  
9.) Achar’s Textbook of Pediatrics, 2009, Orient Black Swan
CLINICAL SPECIALITY – II

OBSTETRIC AND GYNAECOLOGICAL NURSING

Placement - II Year

Theory : 150 Hrs.
Practical : 1050 Hrs.
Total : 1200 Hrs.

Course Description

This course is designed to assist the student in developing expertise and in-depth understanding in the field of Obstetric and gynecological Nursing. It will help the student to develop advanced nursing skills for nursing interventions in various obstetrical and gynecological conditions. It will further enable the students to function as midwifery nurse practitioner/specialist, educator, manager and researcher in the field of obstetric and gynecological nursing.

Objectives

At the end of the course, the student will be able to:

1. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of women with obstetric and gynaecological conditions
2. Perform physical, psychosocial, cultural & spiritual assessment
3. Demonstrate competence in caring for women with obstetrical and gynaecological conditions
4. Demonstrate competence in caring for high risk newborn.
5. Identify and Manage obstetrical and neonatal emergencies as per protocol.
6. Practice infection control measures
7. Utilize recent technology and various diagnostic, therapeutic measures
8. Demonstrate skill in handling various equipments/gadgets used for obstetrical, gynaecological and neonatal care
9. Teach and supervise nurses and allied health workers.
10. Design a layout of speciality units of obstetrics and gynecology
11. Develop standards for obstetrical and gynaecological nursing practice.
12. Counsel women and families
13. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetrical and gynaecological nursing
14. Function as independent midwifery nurse practitioner
## Contents Outline

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>25</td>
<td>Management of problems of women during pregnancy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Risk approach of obstetrical nursing care, concept &amp; goals.</td>
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<tr>
<td></td>
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<td>Screening of high-risk pregnancy, newer modalities of diagnosis.</td>
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<tr>
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<td>Nursing Management of Pregnancies at risk-due to obstetrical complication</td>
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<tr>
<td></td>
<td></td>
<td>- Pernicious Vomiting.</td>
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<td>- Bleeding in early pregnancy, abortion, ectopic pregnancy, and gestational trophoblastic diseases.</td>
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<tr>
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<td>- Hemorrhage during late pregnancy, ante partum hemorrhage, Placenta praevia, abruptio placenta.</td>
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<td>- Hypertensive disorders in pregnancy, pre-eclampsia, eclampsia, Heomolysis Elevated liver enzyme Low Platelet count (HELLP)</td>
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<td></td>
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<td>- Iso-immune diseases. Rh and ABO incompatibility</td>
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<td>- Hematological problems in pregnancy.</td>
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<td>- Hydramnios-oligohydramnios</td>
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<td>- Prolonged pregnancy- post term, post maturity.</td>
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<td>- Multiple pregnancies.</td>
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<td>- Intra uterine infection &amp; pain during pregnancy.</td>
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<td>- Intra Uterine Growth Retardation(IUGR), Premature Rupture of Membrane(PROM), intra uterine death</td>
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<tr>
<td>II</td>
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<td>Pregnancies at risk-due to pre-existing health problems</td>
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<td>Metabolic conditions.</td>
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<td>Anemia and nutritional deficiencies</td>
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<td>Hepatitis</td>
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<td>Cardio-vascular disease.</td>
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<td>Thyroid diseases.</td>
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<td>Epilepsy.</td>
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<td>Essential hypertension</td>
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<td>Chronic renal failure.</td>
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<td>Tropical diseases.</td>
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<td>Psychiatric disorders</td>
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<td>Infections Toxoplasmosis Rubella Cytomegalal virus Herpes (TORCH); Reproductive Tract Infection(RTI);STD; HIV/AIDS, Vaginal infections; Leprosy, Tuberculosis</td>
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<td>Other risk factors: Age- Adolescents, elderly; unwed mothers, sexual abuse, substance use</td>
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<td>Pregnancies complicating with tumors, uterine anomalies, prolapse, ovarian cyst</td>
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<tr>
<td>III</td>
<td>15</td>
<td>Abnormal labour, pre-term labour &amp; obstetrical emergencies</td>
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<td></td>
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<td>Etiology, pathophyhsiology and nursing management of</td>
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<td>- Uncoordinated uterine actions, Atony of uterus, precipitate labour, prolonged labour.</td>
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<td>- Abnormal lie, presentation, position compound presentation.</td>
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<tr>
<td>IV</td>
<td>10</td>
<td>post partum complications</td>
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<td>Nursing management of</td>
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<td>- Puerperal infections, puerperal sepsis, urinary complications, puerperal venous thrombosis and pulmonary embolism</td>
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<td>- Sub involution of uterus, Breast conditions, Thrombophlebitis</td>
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<td>- Psychological complications, post partum blues, depression, psychosis</td>
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<thead>
<tr>
<th>V</th>
<th>25</th>
<th>High Risk Newborn</th>
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<td></td>
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<td>Concept, goals, assessment, principles.</td>
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<td>Nursing management of</td>
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<tr>
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<td>- Pre-term, small for gestational age, post-mature infant, and baby of diabetic and substance use mothers.</td>
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<td></td>
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<td>- Respiratory conditions, Asphyxia neonatorum, neonatal apnoea meconium aspiration syndrome, pneumo thorax, pneumo mediastinum</td>
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<td>- Icterus neonatorum.</td>
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<td>- Birth injuries.</td>
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<td>- Neonatal infections, neonatal sepsis, ophthalmia neonatorum, congenital syphilis, HIV/AIDS</td>
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<td>- Calculation of fluid requirements.</td>
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<td>- Hematological conditions – erythroblastosis</td>
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<td>- Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU</td>
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<td>VI</td>
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<td>HIV/AIDS</td>
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<td>Issues: Legal, ethical, Psychosocial and rehabilitation</td>
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<td>Role of nurse</td>
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<th>Gynecological problems and nursing management</th>
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<tr>
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<td>Gynecological assessment</td>
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<td>• Menstrual irregularities</td>
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<td>• Uterine malformation</td>
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<td>• Uterine fibroid, ovarian tumors, Breast carcinoma, Pelvic inflammatory diseases, reproductive tract malignancies, hysterectomy – vaginal and abdominal.</td>
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<td>• Sexual abuse, rape, trauma, assault</td>
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<th>VIII</th>
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<th>Administration and management of obstetrical and gynaecological unit</th>
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<tr>
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<td>Design &amp; layout</td>
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<td>Staffing, Equipment, supplies, Infection control; Standard safety measures</td>
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<td>Quality Assurance:-Obstetric auditing –records /reports, Norms, policies and protocols</td>
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<td>Practice standards for obstetrical and gynaecological unit</td>
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<th>Education and training in obstetrical and gynaecological care</th>
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<td>Staff orientation, training and development, In-service education program, Clinical teaching programs.</td>
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Practicals

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<tbody>
<tr>
<td>1</td>
<td>Antenatal OPD including Infertility clinics/Reproductive medicine, Family welfare and</td>
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<tr>
<td>2</td>
<td>Antenatal and Postnatal ward</td>
<td>6</td>
<td>180 Hours</td>
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<tr>
<td>3</td>
<td>Labour room</td>
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<tr>
<td>4</td>
<td>Neonatal Intensive Care Unit</td>
<td>3</td>
<td>90 Hours</td>
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<tr>
<td>5</td>
<td>Obstetric/Gynae Operation Theatre</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>6</td>
<td>Gynae Ward</td>
<td>4</td>
<td>120 Hours</td>
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<tr>
<td>7</td>
<td>CHC, PHC, SC</td>
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<td>Total</td>
<td>35 Weeks</td>
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Essential Obstetrical And Gynecological Skills

Procedure Observed
- Assisted Reproductive Technology procedures
- Ultra sonography
- Specific laboratory tests.
- Amniocentesis.
- Cervical & vaginal cytology.
- Fetoscopy.
- Hysteroscopy.
- MRI.
- Surgical diathermy.
- Cryosurgery.

Procedures Assisted
- Operative delivery
- Abnormal deliveries-Forceps application, Ventouse, Breech
- Exchange blood transfusion
- Culdoscopy.
- Cystoscopy
- Tuboscopy
- Laparoscopy.
- Endometrial Biopsy
- Tubal patent test
- Chemotherapy
- Radiation therapy
- Medical Termination of Pregnancy.
- Dilatation and Curettage

Procedures Performed
- History taking.
• Physical Examination-General
• Antenatal assessment. – 20
• Pelvic examination
• Assessment of risk status.
• Assessment of Intra uterine foetal well-being, kick chart and foetal movement chart, Doppler assessment, Non Stress Test, Contraction stress test (Oxytocin challenge test)
• Universal precautions- Disposal of biomedical waste.
• Per Vaginal examination and interpretation (early pregnancy, labour, post partum).
• Utilization of Partograph
• Medical & Surgical induction (Artificial rupture of membranes).
• Vacuum extraction
• Conduct of delivery.
• Prescription and administration of fluids and electrolytes through intravenous route.
• Application of outlet forceps, delivery of breach – Burns Marshall, Loveset manoeuvre
• Repair of tears and Episiotomy suturing.
• Vacuum extraction
• controlled cord traction, Manual removal of placenta, placental examination,
• Manual vacuum aspiration
• Postnatal assessment.- 20
• Management of breast engorgement
• Thrombophlebitis (white leg)
• Postnatal counseling.
• Reposition of inversion of uterus.
• Laboratory tests: Blood- Hb, Sugar, Urine-albumin, sugar
• Breast care, breast exam, and drainage breast abscess.
• Postnatal exercise.
• Assessment – New born assessment; physical and neurological, Apgar score, high-risk newborn, Monitoring neonates; Clinically and With monitors, Capillary refill time, Assessment of jaundice, danger signs
• Anthropometric measurement
• Neonatal resuscitation
• Gastric Lavage
• Care of newborn in multi channel monitor and ventilator.
• Care of newborn in radiant warmer and incubator.
• Kangaroo mother care.
• Assisting mother with exclusive Breast-feeding
• Feeding technique: Katori, spoon, naso/orogastric, Total Parenteral nutrition
• Assessment, calculation and administration of fluids and medications:
  - Oral
  - I.D.
  - I.M.
  - I.V.- Securing IV line, infusion pump
• Administration of drug per rectum
• Capillary blood sample collection.
• Oxygen therapy.
• Phototherapy.
• Chest physiotherapy.
• Counseling – Parental, bereavement, family planning, infertility etc
• Setting of operation theatre.
• Trolley and table set up for Obstetrical & gynaecological operations.
• Pap smear.
• Vaginal smear.
• Insertion of pessaries,
• Insertion of IUD and removal.
• Teaching skills
• Communication skills
• Prepare referral slips
• Pre transport stabilization
• Networking with other stakeholders

*Weightage for Internal Assessment: (common to all specialties)*

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<tr>
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<td>Assignment: 20</td>
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<td>Clinical Evaluation</td>
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<tr>
<td>Project</td>
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<tr>
<td>Case study/Case Record</td>
<td>: 10</td>
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<tr>
<td>Field/ Observational visit</td>
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</table>
CLINICAL SPECIALITY – II

COMMUNITY HEALTH NURSING

Placement : II Year

Hours of Instruction
Theory- 150 hours
Practicals- 1050 hours
Total- 1200 hrs
Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of community health nursing. It will help students to develop advanced skills for nursing intervention in various aspects of community health care settings. It will enable the student to function as community health Nurse practitioner/specialist. It will further enable the student to function as educator, manager and researcher in the field of community health nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate trends and issues related to community health Nursing- reproductive and child health, school health, Occupational health, international health, rehabilitation, geriatric and mental health.
2. Apply epidemiological concepts and principles in community health nursing practice
3. Perform community health assessment and plan health programmes
4. Describe the various components of Reproductive and child health programme.
5. Demonstrate leadership abilities in organizing community health nursing practice
6. Describe the role and responsibilities of community health nurse in various national health and family welfare programmes
7. Participate in the implementation of various national health and family welfare programme
8. Demonstrate competencies in providing family centered nursing care independently
9. Participate/Conduct research for new insights and innovative solutions to health problems
10. Teach and supervise nurses and allied health workers.
11. Design a layout of sub center/Primary health center/Community health center and develop standards for community health nursing practice.
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</table>
| I    | 20    | Epidemiology  
Introduction  
• Concept, scope, definition, trends,  
History and development of modern Epidemiology  
• Contribution of epidemiology  
• Implications  
Epidemiological methods  
Measurement of Health and Diseases and Vital Statistics  
Health policies  
Epidemiological Investigations  
International Classification of Diseases  
Epidemiological approaches  
• Study of disease causatives  
• Health promotion  
• Levels of prevention  
Epidemiology of  
• Communicable diseases  
• Non-communicable diseases  
Emerging and re-emerging diseases  
Epidemics  
Medical Entomology  
National Integrated disease Surveillance Programme |
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<tr>
<th>Unit</th>
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</table>
| Unit II | 40 | National Health and Family Welfare Programmes  
Objectives, Organization/manpower/resources, Activities,  
Goals, inter-sectoral approach,  
implementation, item/purpose, role and responsibilities  
of community health nurse:  
- National Vector Borne Disease Control Programme (NVBDCP)  
- National Filaria Control Programme  
- National Leprosy Eradication Programme  
- Revised national TB Control Programme  
- National Programme for Control of Blindness  
- National Iodine Deficiency disorders Control Programme  
- National Mental Health Programme  
- National AIDS Control Programme  
- National Cancer Control Programme  
- RCH I and II  
- Non-communicable disease programmes  
- NRHM  
    - Health Schemes:  
      - ESI  
      - CGHS  
      - Health Insurance |
| III  | 15 | School Health  
Introduction: definition, concepts, objectives,.  
Health assessment, Screening, identification, referral and follow up,  
Safe environment  
Services, programmes and plans- first aid, treatment of minor ailments  
Inter-sectoral coordination  
Adolescent health  
Disaster, disaster preparedness, and management  
Guidance and counseling  
School health records - maintenance and its importance  
Roles and responsibilities of community health nurse |
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<tr>
<th>Unit</th>
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</table>
| IV   | 15    | International health  
|      |       | Global burden of disease  
|      |       | Global health rules to halt disease spread  
|      |       | Global health priorities and programmes  
|      |       | International quarantine  
|      |       | Health tourism  
|      |       | International cooperation and assistance  
|      |       | International travel and trade  
|      |       | Health and food legislation, laws, adulteration of food  
|      |       | Disaster management  
|      |       | Migration  
|      |       | International health agencies –World Health organizations, World health assembly, UNICEF, UNFPA, SIDA, US AID, DANIDA, DFID. AusAID etc  
|      |       | International health issues and problems  
|      |       | International nursing practice standards  
|      |       | International health vis-a vis national health  
|      |       | International health days and their significance  
|      |       | International cooperation and assistance  
|      |       | International travel and trade  
|      |       | Health and food legislation, laws, adulteration of food  
|      |       | Disaster management  
|      |       | Migration  
|      |       | International health agencies –World Health organizations, World health assembly, UNICEF, UNFPA, SIDA, US AID, DANIDA, DFID. AusAID etc  
|      |       | International health issues and problems  
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|      |       | International health vis-a vis national health  
|      |       | International health days and their significance  
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|      |       | International travel and trade  
|      |       | Health and food legislation, laws, adulteration of food  
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|      |       | Health and food legislation, laws, adulteration of food  
|      |       | Disaster management  
|      |       | Migration  
|      |       | International health agencies –World Health organizations, World health assembly, UNICEF, UNFPA, SIDA, US AID, DANIDA, DFID. AusAID etc  
|      |       | International health issues and problems  
|      |       | International nursing practice standards  
|      |       | International health vis-a vis national health  
|      |       | International health days and their significance  
| V    | 15    | Education and administration  
|      |       | Quality assurance  
|      |       | Standards, Protocols, Policies, Procedures  
|      |       | Infection control; Standard safety measures  
|      |       | Nursing audit  
|      |       | Design of Sub-Centre/Primary Health Centre/ Community health center  
|      |       | Staffing; Supervision and monitoring-  
|      |       | Performance appraisal  
|      |       | Budgeting  
|      |       | Material management  
|      |       | Role and responsibilities of different categories of personnel in community health  
|      |       | Referral chain- community outreach services  
|      |       | Transportation  
|      |       | Public relations  
<p>|      |       | Planning in-service educational programme |</p>
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<tbody>
<tr>
<td>VI</td>
<td>10</td>
<td><strong>Geriatric</strong></td>
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<tr>
<td></td>
<td></td>
<td>Concept, trends, problems and issues</td>
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<td>Aging process, and changes</td>
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<td>Health problems and needs</td>
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<td>Psycho-physiological stressors and disorders</td>
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<td>Myths and facts of aging</td>
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<td>Health assessment</td>
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<td>Home for aged-various agencies</td>
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<td>Rehabilitation of elderly</td>
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<td>Care of elderly</td>
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<td>Training and supervision of care givers</td>
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<td>Government welfare measures Programmes for elderly- Role of NGOs</td>
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<td>Roles and responsibilities of Geriatric nurse in the community</td>
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<td>Disability and rehabilitation- Use of various prosthetic devices</td>
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<td>Psychosocial rehabilitation</td>
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<td>Guidance and counseling</td>
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</table>
| VIII | 10    | **Community mental health**  
  - Magnitude, trends and issues  
  - National Mental Health Program- Community mental health program  
  - The Changing Focus of care  
  - The Public Health Model  
  - Case Management- Collaborative care  
  - Crisis intervention  
  - Welfare agencies  
  - Population at Risk  
  - The community as Client  
    - Primary Prevention  
    - Secondary prevention  
    - Tertiary Prevention  
  - Community based rehabilitation  
  - Human rights of mentally ill  
  - Substance use  
  - Mentally challenged groups  
    - Role of community health nurse |
| IX   | 15    | **Occupational health**  
  - Introduction: Trends, issues, Definition, Aims, Objectives, Workplace safety  
  - Ergonomics and Ergonomic solutions  
  - Occupational environment- Physical, social, Decision making, Critical thinking  
  - Occupational hazards for different categories of people- physical, chemical, biological, mechanical, , Accidents, Occupational diseases and disorders  
  - Measures for Health promotion of workers; Prevention and control of occupational diseases, disability limitations and rehabilitation  
  - Women and occupational health  
  - Occupational education and counseling  
    - Violence at workplace  
    - Child labour  
    - Disaster preparedness and management  
  - Legal issues: Legislation, Labour unions, ILO and WHO recommendations, Factories act, ESI act  
  - Role of Community health nurse, Occupational health team |
Practicals

Total = 1050 Hours
1 Week = 30 Hours

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<td>Urban and Rural community</td>
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<td>International health</td>
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<td>4</td>
<td>Administration(SC/PHC/CHC)</td>
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<tr>
<td>5</td>
<td>Occupational health</td>
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<tr>
<td>6</td>
<td>Community Mental Health</td>
<td>2</td>
<td>60 Hours</td>
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<tr>
<td>7</td>
<td>Home for aged and Hospice</td>
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<td>60 Hours</td>
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<td>8</td>
<td>Rehabilitation</td>
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<td><strong>Total</strong></td>
<td><strong>35 Weeks</strong></td>
<td><strong>1050 Hours</strong></td>
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</table>

Categorization of practical activities

Observed
- MCH office and DPHNO
- CHC/ First Referral Unit(FRU)
- Child guidance clinic
- Institute/Unit for mentally challenged
- District TB centre
- AIDS control society
- Filariasis clinic
- RCH clinic
- STD clinic
- Leprosy clinic
- Community based rehabilitation unit
- Cancer centers
- Palliative care
- Home of old age
- Mental health units
- De-addication centres
- School health services
- Industry
- Selected industrial health centers
- ESI unit
- Municipality/ corporation office

Assisted
- Laparoscopic sterilization
- Vasectomy
- All clinics related to RCH
- Monitoring of national health and family welfare programmes

**Perform**
- Conduct various clinics
- School health assessment.
- Health survey.
- Health assessment
- Drug administration as per the protocols
- Treatment of minor ailments
- Investigating outbreak of epidemic.
- Screening for leprosy, TB and non-communicable disease
- Presumptive and radical treatment for Malaria.
- Counseling
- Report writing
- Referrals
- Writing a project proposal
- Material management- requisition for indent, condemnation, inventory maintenance,
- Training and Supervision of various categories of personnel
- Liaison with NGO’s

**Weightage for Internal Assessment: (common to all speciality)**

**A Theory**
- Term Test: 30
  - Assignment: 20

**B Practical**
- Practical Examination : 50
- Clinical Evaluation : 20
- Project : 10
- Case study : 10
- Field/ Observational visit : 10
REFERENCES

Community Health Nursing

Recommended Books

2.) Park – Social and Preventive Medicine, Bannott Publishers

Reference Books

5.) Allender – Community Health Nursing, 2009, LWW
6.) Stanhope – Community Health Nursing, 2008, Elsevier
7.) Anderson – Community as Partner, 2009, LWW
8.) Deim – Community Health Projects, 2006, Lippincott
CLINICAL SPECIALITY - II

PSYCHIATRIC (MENTAL HEALTH) NURSING

Placement: II Year Practical

Hours of Instruction

Theory 150 hrs Practical
1050hrs Total : 1200 Hours
Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of Psychiatric Nursing. It will help students to develop advanced skills for nursing intervention in various psychiatric conditions. It will enable the student to function as psychiatric nurse practitioner/specialist. It will further enable the student to function as educator, manager, and researcher in the field of Psychiatric nursing.

Objectives

At the end of the course the students will be able to:

1. Apply the nursing process in the care of patients with mental disorders in hospital and community
2. Demonstrate advanced skills/competence in nursing management of patients with mental disorders
3. Identify and care for special groups like children, adolescents, women, elderly, abused and neglected, people living with HIV/AIDS.
4. Identify and manage psychiatric emergencies.
5. Provide nursing care to critically ill patients with mental disorders
6. Utilize the recent technology and various treatment modalities in the management of patients with mental disorders
7. Demonstrate skills in carrying out crisis intervention.
8. Appreciate the legal and ethical issues pertaining to psychiatric nursing.
9. Identify areas of research in the field of psychiatric nursing.
10. Prepare a design for layout and describe standards for management of Psychiatric units/emergency units/hospitals
11. Teach psychiatric nursing to undergraduate students & in-service nurses.
## Course Content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>2</td>
<td>Principles and practice of Psychiatric nursing Review</td>
</tr>
</tbody>
</table>
| II   | 10    | Crisis Intervention  
Crisis, Definition  
Phases In The Development of A Crisis  
Types of Crisis; Dispositional, Anticipated Life Transitions  
Traumatic Stress, Maturational/Development, Reflecting Psychopathology  
Psychiatric Emergencies and their management  
Grief and grief reaction  
Crisis Intervention; Phases  
Post traumatic stress disorder (PTSD)  
Role of the Nurse |
| III  | 4     | Anger/Aggression Management  
Anger and Aggression, Types, Predisposing Factors  
Management  
Role of The Nurse |
| IV   | 5     | The Suicidal Client  
Epidemiological Factors  
Risk Factors  
- Predisposing Factors: Theories of Suicide-Psychological, Sociological, Biological  
Nursing Management |
| V    | 5     | Disorders of Infancy, Childhood, and Adolescence  
Mentally Challenged  
Autistic Disorders  
Attention-Deficit/Hyperactivity Disorder  
Conduct Disorders, behavioural disorders  
Tourette’s Disorders  
Separation Anxiety Disorder  
Psychopharmacological Intervention and Nursing Management |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| VI   | 5     | Delirium, Dementia, and Amnestic Disorders  
 |      |       | Delirium  
 |      |       | Dementia  
 |      |       | Amnesia  
 |      |       | Psychopharmacological Intervention and Nursing Management |
| VII  | 10    | Substance-Related Disorders  
 |      |       | Substance-Use Disorders  
 |      |       | Substance-Induced Disorders  
 |      |       | Classes Of Psychoactive Substances  
 |      |       | Predisposing Factors  
 |      |       | The Dynamics Of Substance-Related Disorders  
 |      |       | The Impaired Nurse  
 |      |       | Codependency  
 |      |       | Treatment Modalities For Substance-Related Disorders and Nursing Management |
| VIII | 10    | Schizophrenia and Other Psychotic Disorders (Check ICD10)  
 |      |       | Nature of the Disorder  
 |      |       | Predisposing Factors  
 |      |       | Schizophrenia -Types  
 |      |       | • Disorganized Schizophrenia  
 |      |       | • Catatonic Schizophrenia  
 |      |       | • Paranoid Schizophrenia  
 |      |       | • Undifferentiated Schizophrenia  
 |      |       | • Residual Schizophrenia  
 |      |       | Other Psychotic disorders  
 |      |       | • Schizoaffective Disorder  
 |      |       | • Brief Psychotic Disorder  
 |      |       | • Schizophreniform Disorder  
 |      |       | • Psychotic Disorder Due to a General Medical Condition  
 |      |       | • Substance-Induced Psychotic Disorder  
<p>|      |       | Treatment and Nursing Management |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</thead>
</table>
| IX   | 8     | Mood Disorders  
                     Historical Perspective  
                     Epidemiology  
                     The Grief Response  
                     Maladaptive Responses To Loss  
                     Types Of Mood Disorders  
                     Depressive disorders  
                     Bipolar disorders  
                     Treatment and Nursing Management |
| X    | 8     | Anxiety Disorders  
                     Historical Aspects  
                     Epidemiological Statistics  
                     How Much is too Much?  
                     Types  
                     • Panic Disorder  
                     • Generalized Anxiety Disorder  
                     • Phobias  
                     • Obsessive-Compulsive Disorder  
                     • Posttraumatic Stress Disorder  
                     • Anxiety Disorder Due to a General Medical Condition  
                     • Substance-Induced Anxiety Disorder  
                     Treatment Modalities  
                     Psychopharmacology & Nursing Management |
| XI   | 5     | Somatoform And Sleep Disorders  
                     Somatoform Disorders  
                     Historical Aspects  
                     • Epidemiological Statistics  
                     • Pain Disorder  
                     • Hypochondriasis  
                     • Conversion Disorder  
                     • Body Dysmorphic Disorder  
                     Sleep Disorder  
                     Treatment Modalities and Nursing Management |
| XII  | 4     | Dissociative Disorders and Management  
                     Historical Aspects  
                     Epidemiological Statistics  
                     Application of the Nursing Management  
                     Treatment Modalities and Nursing Management |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</thead>
</table>
| XIII  | 4     | Sexual And Gender Identity Disorders  
|       |       | Development Of Human Sexuality  
|       |       | Sexual Disorders  
|       |       | Variation In Sexual Orientation  
|       |       | Nursing Management |
| XIV   | 4     | Eating Disorders  
|       |       | Epidemiological Factors  
|       |       | Predisposing Factors: Anorexia Nervosa And Bulimia Nervosa  
|       |       | obesity  
|       |       | Psychopharmacology  
|       |       | Treatment & Nursing Management |
| XV    | 4     | Adjustment and Impulse Control Disorders  
|       |       | Historical and Epidemiological Factors  
|       |       | • Adjustment Disorders  
|       |       | • Impulse Control Disorders  
|       |       | Treatment & Nursing Management |
| XVI   | 4     | Medical Conditions due to Psychological Factors  
|       |       | Asthma  
|       |       | Cancer  
|       |       | Coronary Heart Disease  
|       |       | Peptic Ulcer  
|       |       | Essential Hypertension  
|       |       | Migraine Headache  
|       |       | Rheumatoid Arthritis  
|       |       | Ulcerative Colitis  
|       |       | Treatment & Nursing Management |
| XVII  | 8     | Personality Disorders  
|       |       | Historical perspectives  
|       |       | Types Of Personality Disorders  
|       |       | • Paranoid Personality Disorder  
|       |       | • Schizoid Personality Disorder  
|       |       | • Antisocial Personality Disorder  
<p>|       |       | • Borderline Personality Disorder |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
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</table>
|      |       | • Histrionic Personality Disorder  
|      |       | • Narcissitic Personality Disorder  
|      |       | • Avoidance Personality Disorder  
|      |       | • Dependent Personality Disorder  
|      |       | • Obsessive-Compulsive Personality Disorder  
|      |       | • Passive-Aggressive Personality Disorders  
|      |       | Identification, diagnostic, symptoms  
|      |       | Psychopharmacology  
|      |       | Treatment & Nursing Management  |
| XVIII | 8 | The Aging Individual  
|       |       | Epidemiological Statistics  
|       |       | Biological Theories  
|       |       | Biological Aspects of Aging  
|       |       | Psychological Aspects of Aging  
|       |       | Memory Functioning  
|       |       | Socio-cultural aspects of aging  
|       |       | Sexual aspects of aging  
|       |       | Special Concerns of the Elderly Population  
|       |       | Psychiatric problems among elderly population  
|       |       | Treatment & Nursing Management  |
| XIX | 5 | The person living with HIV Disease  
|       |       | Psychological problems of individual HIV/AIDS  
|       |       | Counseling  
|       |       | Treatment & Nursing Management  |
| XX | 5 | Problems Related to Abuse or Neglect  
|       |       | Vulnerable groups, Women, Children, elderly, psychiatric patients, under privileged, challenged  
|       |       | Predisposing Factors  
<p>|       |       | Treatment &amp; Nursing management- Counseling  |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| XXI   | 7     | Community Mental Health Nursing  
National Mental Health Program- Community mental health program  
The Changing Focus of care  
The Public Health Model  
The Role of the Nurse  
Case Management  
The community as Client  
• Primary Prevention  
• Populations at Risk  
• Secondary prevention  
• Tertiary Prevention  
Community based rehabilitation |
| XXII  | 5     | Ethical and Legal Issues in Psychiatric/Mental Health Nursing  
Ethical Considerations  
Legal Consideration  
• Nurse Practice Acts  
• Types of Law  
• Classification within Statutory and Common Law  
• Legal Issues in Psychiatric/Mental Health Nursing  
• Nursing Liability |
| XXIII | 5     | Psychosocial rehabilitation  
Principles of rehabilitation  
Disability assessment  
Day care centers  
Half way homes  
Reintegration into the community  
Training and support to care givers  
Sheltered workshops  
Correctional homes |
| XXIV  | 5     | Counseling  
Liaison psychiatric nursing  
Terminal illnesses-Counseling  
Post partum psychosis-treatment, care and counseling  
Death dying- Counseling  
Treatment, care and counseling –  
• Unwed mothers  
• HIV and AIDS |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Hours</th>
<th>Content</th>
</tr>
</thead>
</table>
| XXV  | 5     | Administration and management of psychiatric units including emergency units  
  - Design & layout  
  - Staffing,  
  - Equipment, supplies,  
  - Norms, policies and protocols  
  - Quality assurance  
  - Practice standards for psychiatric nursing  
  - Documentation |
| XXVI | 5     | Education and training in psychiatric care  
  - Staff orientation, training and development,  
  - In-service education program,  
  - Clinical teaching programs. |
Total = 1050 Hours  
1 Week = 30 Hours

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Area of Posting</th>
<th>No. of Week</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>Acute Psychiatric Ward</td>
<td>6</td>
<td>180 Hours</td>
</tr>
<tr>
<td>2</td>
<td>Chronic Psychiatric Ward</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>3</td>
<td>De-addiction Unit</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>4</td>
<td>Psychiatric Emergency Unit</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>5</td>
<td>O.P.D (Neuro and psychiatric)</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td>6</td>
<td>Child Psychiatric Unit and child guidance clinic</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>7</td>
<td>Post natal ward</td>
<td>1</td>
<td>30 Hours</td>
</tr>
<tr>
<td>8</td>
<td>Family Psychiatric Unit</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>9</td>
<td>Field visits</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>10</td>
<td>Rehabilitation</td>
<td>2</td>
<td>60 Hours</td>
</tr>
<tr>
<td>11</td>
<td>Community Mental Health Unit</td>
<td>4</td>
<td>120 Hours</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>35 Weeks</td>
<td>1050 Hours</td>
</tr>
</tbody>
</table>

Essential Psychiatric nursing skills

Procedures Observed
1. Psychometric tests
2. Personality tests
3. Family therapy
4. Assisted
5. CT
6. MRI
7. Behavioral therapy.

Procedures Performed
1. Mental status examination
2. Participating in various therapies – Physical; ECT,
3. Administration of Oral, IM, IV psychotropic drugs
4. Interviewing skills
5. Counseling skills  
6. Communication skills  
7. Psychoeducation  
8. Interpersonal relationship skills  
9. Community Survey for identifying mental health problems  
10. Rehabilitation therapy  
11. Health education and life skills training.  
12. Supportive psychotherapeutic skills  
13. Group therapy  
14. Milieu therapy  
15. Social/Recreational therapy.  

**Weightage for Internal Assessment: (common to all speciality)**

**A Theory**  
Term Test: 30  
Assignment: 20  

**B Practical**

Practical Examination : 50  
Clinical Evaluation : 20  
Project : 10  
Case study : 10  
Field/Observational visit : 10  

**Psychiatric Nursing**

**Recommended Books:**

1.) Townsend – Psychiatric Mental Health Nursing,2007.F.A.Davis  
2.) Shives – Basic Concepts in Psychiatric Mental Health Nursing,2007,LWW  
3.) Stuart – Principles & Practice of Psychiatric Nursing,2008,Elsevier  
4.) Sreevani – Psychiatric Mental Health Nursing,2008,Jaypee  

**Reference Books:**

1.) Boyd – Psychiatric Nursing,2007,LWW  
2.) Ahuja – Psychiatry – 2008,Jaypee  
3.) Kaplan – Kaplan & Sadock’s Synopsis of Psychiatry,2007,LWW  
5.) Lalitha - Psychiatric Mental Health Nursing ,VMG Publishers
6.) Kaplan – Kaplan & Sadock Handbook of Clinical Psychiatry, 2010, LWW
7.) Schlitz – Lippincott’s Manual of Psychiatric Nursing Care Plans, 2009, LWW