

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY
CHENNAI – 600 032.**



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

*Modified up to 41st Standing Academic Board held on
14.6.2011.*

**The Tamilnadu Dr.M.G.R. Medical University
No.69, Anna Salai, Guindy, Chennai- 6000 032**

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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- 6000 032**

CONTENTS

SI.NO.	Description	Page No.
1	Philosophy	1
2.	Aims and Objectives	
3.	Admission Requirements	4
4.	Course Duration	6
5.	Scheme of Examination	11
6.	English	24
7.	Anatomy	26
8.	Physiology	29
9.	Nutrition	33
10.	Biochemistry	37
11.	Nursing Foundations	40
12.	Nursing Foundations – Practical	54
13.	Psychology	60
14.	Microbiology	63
15.	Introduction to Computer	66
16.	Sociology	67
17.	Pharmacology.....	72
18.	Pathology & Genetics.....	
	Section A – Pathology	77
	Section B – Genetics.....	81

19.	Medical Surgical Nursing (Adult Including Geriatrics) – I	83
20.	Medical Surgical Nursing (Adult Including Geriatrics) – I Practical	96
21.	Community Health Nursing – I	102
22.	Community Health Nursing – I Practical	106
23.	Communication & Educational Technology	107
24.	Medical Surgical Nursing (Adult Including Geriatrics) II	112
25.	Medical surgical Nursing (Adult & Geriatrics) II Practical...	123
26.	Child Health Nursing	128
27.	Child Health Nursing – Practical	132
28.	Mental Health Nursing	135
29.	Mental Health Nursing – Practical	143
30.	Midwifery & Obstetrical Nursing.	145
31.	Midwifery & Obstetrical Nursing – Practical	154
32.	Community Health Nursing – II	158
33.	Community Health Nursing – II Practical	164
34.	Nursing Research & Statistics	166
35.	Management of Nursing Services & Education	169

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.

Under graduate 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* 20marks

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:

First Year

Subject	Theory (In hrs.) (Class and Lab)	Practical (In hrs.) (Clinical)	In Hours
1. English	60		
2. Anatomy	60		
3. Physiology	60		
4. Nutrition	40	20	
5. Biochemistry	60		
6. Nursing Foundations	275 + 200	550	
7. Psychology	80		
8. Microbiology	60	20	
9. Introduction to computers	55	20	
10. Library Work /Self Study			50
11. Co-curricular activities			50
Total Hours	950	610	100
Total Hours = 1660 hrs.			

Second Year

Subject	Theory (In hrs.) (Class and Lab)	Practical (In hrs) (Clinical)	In Hours
1. Sociology	80		
2. Pharmacology	50		
3. Pathology	30	10	
4. Genetics	20		
5. Medical-Surgical Nursing (Adult including Geriatrics)-I	210	800	
6. Community Health Nursing-I	100	160	
7. Communication and Educational Technology	70	30	
8. Library Work / Self Study			50
9. Co-curricular activities			50
Total Hours	560	1000	100
Total Hours = 1660 hrs.			

Third Year

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

Fourth Year

Subject	Theory (In hrs.) (Class and Lab)	Practical (In hrs) (Clinical)	In Hours
1. Midwifery and Obstetrical Nursing	50	170	
2. Community Health Nursing – II	90	140	
3. Nursing Research & Statistics	50	*	
4. Management of Nursing Services and Education	60	30	
Total Hours	250	340	
Total Hours = 590 hrs			

**project work to be carried out during internship*

Integrated Nursing Training (INTERNSHIP)

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

Subject	Assessment			
	Hours	Internal	University	Total
Theory				
1. Anatomy *& Physiology*	3	50	100	150
2. Nutrition *& Biochemistry*	3	50	100	150
3. Nursing Foundations	3	50	100	150
4. Psychology	3	50	100	150
5. Microbiology	3	50	100	150
6. English**	3	100**	--	100
7.Introduction to Computers**	3	100**	--	100
Practical and Viva Voce Nursing Foundations		50	100	150

*** 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

Subject	Assessment			
	Hours	Internal	University	Total
Theory				
1. Sociology	3	50	100	150
2. Medical Surgical Nursing-I	3	50	100	150
3. Pharmacology * Pathology & Genetics*	3	50	100	150
4. Community Health Nursing-I	3	50	100	150
5. Communication and Educational Technology	3	50	100	150
Practical and Viva voce				
Medical Surgical Nursing-I		50	100	150

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

THIRD YEAR

Subject	Assessment			
	Hours	Internal	University	Total
Theory				
1. Medical-Surgical Nursing-II	3	50	100	150
2. Child Health Nursing	3	50	100	150
3. Mental Health Nursing	3	50	100	150
Practical and Viva voce				
1. Medical Surgical Nursing-II		50	100	150
2. Child Health Nursing		50	100	150
3. Mental Health Nursing		50	100	150

FOURTH YEAR

Subject	Assessment			
	Hours	Internal	University	Total
Theory				
1. Midwifery and Obstetrical Nursing	3	50	100	150
2. Community Health Nursing-II	3	50	100	150
3. Nursing Research & Statistics	3	50	100	150
4. Management of Nursing Services and Education	3	50	100	150
Practical and Viva Voce		50	100	150
1. Midwifery and Obstetrical Nursing				
2. Community Health Nursing		50	100	150

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

Section – A – Anatomy – 50 marks

Section – B – Physiology – 50 marks

Anatomy

Essay questions 1 x 20 = 20marks

Short Notes 4 x 5 = 20 marks

Short Answer 5 x 2 = 10 marks

50 marks

Physiology

Essay questions 1 x 20 = 20marks

Short Notes 4 x 5 = 20 marks

Short Answer 5 x 2 = 10 marks

50 marks

Nutrition and Biochemistry

Section – A – Nutrition – 50 marks

Section – B – Biochemistry – 50 marks

Nutrition

Essay questions 1 x 20 = 20marks

Short Notes 4 x 5 = 20 marks

Short Answer 5 x 2 = 10 marks

50 marks

Biochemistry

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

50 marks

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

50 marks

Pathology

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

30 marks

Genetics

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

20 marks

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% either in Section A or B, the candidate has to write again both the Sections irrespective of 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-totalling 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
DECLARATION

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	<ul style="list-style-type: none"> ➤ Speak & write ➤ Grammatically correct English 	<ul style="list-style-type: none"> ➤ Review of Grammar ➤ Remedial study of grammar ➤ Building Vocabulary ➤ Phonetics ➤ Public Speaking 	<ul style="list-style-type: none"> ➤ Demonstrate use of dictionary grammar ➤ Class-room Conversation ➤ Exercise on use of Grammar ➤ Practice in Public speaking 	<ul style="list-style-type: none"> ➤ Objective type ➤ Fill in the blanks ➤ Para Phrasing
II	30	<ul style="list-style-type: none"> ➤ Develop ability to read, understand and express meaningfully, the prescribed text. 	<ul style="list-style-type: none"> ➤ Read and comprehend prescribed course books 	Exercise on: <ul style="list-style-type: none"> ➤ Reading ➤ Summarizing ➤ Comprehension 	<ul style="list-style-type: none"> ➤ Short Answers ➤ Essay type.
III	10	<ul style="list-style-type: none"> ➤ Develop writing skills 	Various forms of composition <ul style="list-style-type: none"> ➤ Letter writing ➤ Note takings ➤ Precise writings ➤ Nurses Notes ➤ Anecdotal records ➤ Diary writing ➤ Reports on health problem etc 	Exercise on writing: <ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ Develop skill in spoken English 	Spoken English <ul style="list-style-type: none"> ➤ Oral report ➤ Discussion ➤ Debate ➤ Telephonic Conversion 	Exercise on: <ul style="list-style-type: none"> ➤ Debating ➤ Participating in Seminar, Panel, Symposium ➤ Telephonic Conversion ➤ Conversation in different situations, practice in public speaking 	Assessment of the skills based on the checklist.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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

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ANATOMY

Placement: First year

Theory - 60 Hours

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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 <ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using charts, microscopic slides, Skeleton & torso ➤ Demonstrate cells, types of tissues membranes and glands ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
II	6	➤ Describe the structure & function of bones and joints	The Skeletal System <ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using charts, skeleton, loose bones, and joints ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
III	7	➤ Describe the structure and function of muscles	The Muscular System <ul style="list-style-type: none"> ➤ Types and structure of muscles ➤ Muscle groups Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using chart, models and films ➤ Demonstrate muscular movements ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
IV	6	➤ Describe the structure & function of nervous system	The Nervous System <ul style="list-style-type: none"> ➤ Structure of neurologia & neurons ➤ Somatic Nervous system - Structure of brain, spinal cord, cranial nerves, 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			spinal nerves, peripheral nerves ➤ Autonomic Nervous System — sympathetic, parasympathetic - Structure, location Alterations in disease Applications and implications in nursing		
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. 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 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 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			nursing		
IX	4	Describe the structure & functions Of excretory system	The Excretory System (Urinary) <ul style="list-style-type: none"> • Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra, structure of skin Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
X	4	Describe the structure & functions of endocrine system	•The Endocrine System <ul style="list-style-type: none"> Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
XI	4	Describe the structure and functions of reproductive system	The Reproductive system including breast <ul style="list-style-type: none"> • Structure of female reproductive organs • Structure of male reproductive organs. • Structure of breast Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

Prescribed Internal Assessment Weightage:

Internal Assessment : (i) Term Test - 15
(ii) Assignment - 5
(iii) Record Work - 5

Anatomy & Physiology
Recommended Books:

Cohen – Memmler's Structure & Function of Human Body, 2009, LWW.

Waugh – Ross & Wilson Anatomy & Physiology, 2008, Elsevier.

Reference Books

1. Tortora – Anatomy & Physiology, 2007, Wiley
2. Chaurasia – Human Anatomy, 2005, CBS Publishers
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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> ➤ Describe the physiology of cell, tissues, membranes and glands 	Cell Physiology <ul style="list-style-type: none"> ➤ Tissue-formation, repair ➤ Membranes & glands — functions Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
II	4	<ul style="list-style-type: none"> ➤ Describe the bone formation and growth and movements of skeleton system 	Skeletal System <ul style="list-style-type: none"> ➤ Bone formation & growth ➤ Bones - Functions and movements of bones of axial and appendicular skeleton, bone healing ➤ Joints and joint movement Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, models and films ➤ Demonstration of joint movements 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
III	4	<ul style="list-style-type: none"> ➤ Describe the muscle movements and tone and demonstrate muscle contraction and tone 	Muscular System <ul style="list-style-type: none"> ➤ Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture ➤ Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, models slides, specimen and films ➤ Demonstration of muscle movements, tone and contraction 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	7	<ul style="list-style-type: none"> ➤ Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves ➤ Demonstrate reflex action and stimulus 	Nervous System <ul style="list-style-type: none"> ➤ Functions of Neurologia & 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.	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using, Charts, models and films ➤ Demonstrate nerve stimulus, reflex action, reflexes 	<ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> ➤ 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.	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, films ➤ Demonstration of Blood cell count, coagulation, grouping, Hemoglobin estimation, Heart conduction system. ➤ Measurement of pulse, BP 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
VI	6	<ul style="list-style-type: none"> • Describe the physiology and mechanisms of respiration • Demonstrates spirometry 	The Respiratory System <ul style="list-style-type: none"> ➤ Functions of respiratory organs ➤ Physiology of respiration ➤ Pulmonary ventilation, Volume ➤ Mechanics of respiration ➤ Gaseous exchange in lungs ➤ Carriage of oxygen & carbon-dioxide Exchange of 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, films ➤ Demonstration of spirometry 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			gases in tissues ➤ Regulation of respiration. ➤ Alterations in disease Applications and implications in nursing.		
VII	6	• Describes the physiology of digestive system • Demonstrates BMR	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
VIII	5	Describe the physiology of Excretory System	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
IX	4	• Describe the physiology of sensory organs	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
X	5	Describe the physiology of endocrine glands	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	➤ Lecture discussion ➤ Explain using Charts, films ➤ Demonstration of BMR	➤ Short answer questions ➤ Objective type
XI	5	Describe the physiology of male and female reproductive	The Reproductive System • Reproduction of cells — DNA, Mitosis, Meiosis, spermatogenesis, oogenesis.	➤ Lecture discussion ➤ Explain using Charts, films,	➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		system	<ul style="list-style-type: none"> • 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	
XII	2	Describe the physiology of Lymphatic and Immunological System	Lymphatic and Immunological System <ul style="list-style-type: none"> • Circulation of lymph • Immunity <ul style="list-style-type: none"> 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:

1. Cohen – Memmler's Structure & Function of Human Body, 2009, LWW.
2. Waugh – Ross & Wilson Anatomy & Physiology, 2008, Elsevier.
3. Venkatesh – Basic Medical Physiology for Nursing ,2009 ,LWW

Reference Books:

Venkatesh – Basic Medical Physiology, 2009, LWW

Guyton – Medical Physiology, 2007, Elsevier.

West – Best& Taylor Physiologic Basis of Disease, Waverly.

NUTRITION

Placement: First year

Theory - 60 Hours

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.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	4		➤ Describe the relationship between nutrition & Health.	Introduction <ul style="list-style-type: none"> • Nutrition: <ul style="list-style-type: none"> - 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, life style and food habits etc • Role of food and its medicinal value • Classification of foods • Food standards • Elements of nutrition: macro and micro • Calorie, BMR 	➤ Lecture Discussion ➤ Explaining using charts ➤ Panel discussion	➤ Short answer questions ➤ Objective type
II	2		➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	Carbohydrates <ul style="list-style-type: none"> • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions • Digestion, absorption and storage, metabolism of carbohydrates • Malnutrition: Deficiencies and Over 	➤ Lecture Discussion ➤ Explaining using charts	➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				consumption		
III	2		➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats	Fats <ul style="list-style-type: none"> • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions. • Digestion, absorption and storage, metabolism • Malnutrition: Deficiencies and Over consumption 	➤ Lecture Discussion ➤ Explaining using charts	➤ Short answer questions ➤ Objective type
IV	2		➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins	Proteins <ul style="list-style-type: none"> • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions. • Digestion, absorption, metabolism and storage • Malnutrition: Deficiencies and Over consumption 	➤ Lecture Discussion ➤ Explaining using charts	➤ Short answer questions ➤ Objective type
V	3		➤ Describe the daily calorie requirement for different categories of people	Energy <ul style="list-style-type: none"> • 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 	➤ Lecture Discussion ➤ Explaining using charts ➤ Exercise ➤ Demonstration	➤ Short answer questions ➤ Objective type
VI	4		➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins	Vitamins <ul style="list-style-type: none"> • Classification • Recommended daily allowances • Dietary sources. • Functions. • Absorption, synthesis, metabolism storage and excretion ➤ Deficiencies 	➤ Lecture Discussion ➤ Explaining using charts	➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				➤ Hypervitaminosis		

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
VII	4		➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals	Minerals <ul style="list-style-type: none"> ➤ Classification ➤ Recommended daily allowances ➤ Dietary sources. ➤ Functions. ➤ Absorption, synthesis, metabolism storage and excretion ➤ Deficiencies ➤ Over consumption and toxicity 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
VIII	3		➤ Describe the sources, functions and requirements of Water & electrolytes	Water ,Metabolism, & Electrolytes <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
IX	5	15	<ul style="list-style-type: none"> ➤ Describe the Cookery rules and preservation of nutrients ➤ Prepare and serve simple beverages and different types of foods 	Cookery rules and preservation of nutrients <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Demonstration ➤ Practice session 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type ➤ Assessment of practice sessions
X	7	5	➤ Describe and plan balanced diet for	Balanced diet <ul style="list-style-type: none"> ➤ Elements ➤ Food groups ➤ Recommended Daily 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

			different categories of people	Allowance • Nutritive value of foods • Calculation of balanced diet for different categories of people Planning menu Budgeting of food Introduction to therapeutic diets: Naturopathy --Diet	➤ Practice session ➤ Meal planning	➤ Exercise on menu Planning
XI	4		➤ Describe various national programmes related to nutrition ➤ Describe The role of nurse in assessment of nutritional status and nutrition education	Role of nurse in nutritional programmes • National programmes related to nutrition o Vitamin A deficiency programme o National iodine deficiency disorders (IDD) programme o Mid-day meal programme o Integrated child development scheme (ICDS) • National and International agencies working towards food/nutrition o NIPCCD, CARE, FAO, NIN, CFTRI(Central food technology and research institute) etc • Assessment of nutritional status • Nutrition education and role of nurse	➤ Lecture Discussion ➤ Explaining using charts ➤ Slide /Film shows ➤ Demonstration of Assessment of nutritional status	➤ Short answer questions ➤ 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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	6	<ul style="list-style-type: none"> - Describe the structure Composition and functions of cell - Differentiate between Prokaryote and Eukaryote cell - Identify techniques of Microscopy 	Introduction <ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
II	6	<ul style="list-style-type: none"> ➤ Describe the Structure and functions of Cell membrane 	Structure and functions of Cell membrane <ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
III	12	<ul style="list-style-type: none"> ➤ Explain the metabolism of carbohydrates 	Composition and metabolism of Carbohydrates <ul style="list-style-type: none"> ➤ Types, structure, composition and uses <ul style="list-style-type: none"> - Monosaccharides, - Disaccharides, Polysaccharides, Oligosaccharides 	Lecture discussion Demonstration of blood glucose monitoring	Short answer questions Objective type
			<ul style="list-style-type: none"> • Metabolism Pathways of glucose: <ul style="list-style-type: none"> - Glycolysis - Gluconeogenesis: Cori's 		➤

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			cycle, Tricarboxylic acid (TCA) cycle - Glycogenolysis - Pentose phosphate pathways (Hexose mono phosphate) Regulation of blood glucose level Investigations and their Interpretations		
IV	10	➤ Explain the metabolism of Lipids	Composition and metabolism of Lipids • 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	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type
V	11	➤ Explain the metabolism of Amino acids and Proteins	Composition and metabolism of Amino acids and Proteins • Types, structure, composition and uses of Amino acids and Proteins • Metabolism of Amino acids and Proteins	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type
			Protein synthesis, targeting and glycosylation - Chromatography - Electrophoresis		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Sequencing Metabolism of Nitrogen - Fixation and Assimilation - Urea Cycle - Hemes and chlorophylls Enzymes and co-enzymes - Classification Properties - Kinetics and inhibition - Control Investigations and their interpretations 		
VI	7	➤ Describe types, composition and utilization of Vitamins & minerals	Composition of Vitamins and minerals <ul style="list-style-type: none"> • Vitamins and minerals: - Structure - Classification - Properties - Absorption - Storage & transportation - Normal concentration Investigations and their interpretations 	Lecture Discussion Demonstrate laboratory tests	Short answer questions Objective type
VII	8	➤ Describe Immuno-chemistry	Immuno chemistry <ul style="list-style-type: none"> • Immune response, • Structure and classification of immunoglobins • Mechanism of antibody production • Antigens: HLA typing. • Free radical and Antioxidants. • Specialised Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein. • Electrophoretic and Quantitative determination of immunoglobins — ELISA etc. Investigations and their interpretations 	Lecture Discussion Demonstrate laboratory tests	Short Answer questions Objective type

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	Describe the concept of health, illness and health care agencies	Introduction <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answer questions ➤ Objective type
II	16	<ul style="list-style-type: none"> ➤ Explain concept and scope of nursing ➤ Describe values, code of ethics and professional conduct for nurses in India 	Nursing as a profession <ul style="list-style-type: none"> • Definition and Characteristics of a profession • Nursing: <ul style="list-style-type: none"> • Definition, Concepts, philosophy, objectives • Characteristics, nature and scope of nursing practice • Functions of nurse 	Lecture discussion Case discussion Role plays	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers ➤ Objective type
			<ul style="list-style-type: none"> • Qualities of a nurse - Categories of nursing personnel 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Nursing as a Profession - History of Nursing in India Values: Definition, Types, Values Clarification and values in professional Nursing: Caring and Advocacy Ethics: <ul style="list-style-type: none"> - Definition and Ethical Principles - Code of ethics and professional conduct for nurses 		
III	4	<ul style="list-style-type: none"> ➤ Explain the admission and discharge procedure ➤ Performs admission and discharge procedure 	Hospital admission and discharge <ul style="list-style-type: none"> • Admission to the hospital <ul style="list-style-type: none"> - Unit and its preparation - admission bed - Admission procedure - Special considerations - Medico-legal issues - Roles and Responsibilities of the nurse • Discharge from the hospital <ul style="list-style-type: none"> - 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
IV	10	Communicate effectively with patient, families and team member and maintain effective human	Communication and Nurse patient relationship <ul style="list-style-type: none"> • 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		relations (projecting professional image) Appreciate the importance of patient teaching in nursing	<ul style="list-style-type: none"> - Rapport building skills - Empathy skills - Barriers to effective communication, • Helping Relationships (NPR): Dimensions of Helping. Relationships, Phases of a helping relationship • Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group(children, women, physically and mentally challenged and elderly) • Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process 	teaching Supervised Clinical practice	
V	17	<ul style="list-style-type: none"> ➤ Explain the concept, uses, format and steps of nursing process ➤ Documents nursing process as per the format 	The Nursing Process <ul style="list-style-type: none"> • Critical Thinking and Nursing Judgment Critical Thinking: Thinking and Learning, <ul style="list-style-type: none"> o Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing • Nursing Process Overview: Application in Practice <ul style="list-style-type: none"> o Nursing process format: INC, current format o Assessment Collection of Data: Types, Sources, Methods - Formulating Nursing judgment: Data interpretation o Nursing diagnosis <ul style="list-style-type: none"> - Identification of client problems - Nursing diagnosis statement • Difference between medical and nursing diagnosis o Planning 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Exercise • Supervised Clinical practice 	Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - 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 		
VI	4	➤ Describe the purposes, types and techniques of recording and reporting	Documentation and Reporting <ul style="list-style-type: none"> • 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
VII	17	➤ Describe principles and techniques of monitoring and maintaining vital signs ➤ Monitor and maintain vital signs	Vital signs <ul style="list-style-type: none"> • Guidelines for taking vital signs: • Body temperature: <ul style="list-style-type: none"> • 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 Assess with check list and clinical practical

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Temperature alterations: Heatstroke, Hypothermia Hot and cold applications Pulse: <ul style="list-style-type: none"> - Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse - Assessment of pulse: sites, location, equipments and technique, special considerations - Alterations in pulse: Respiration: <ul style="list-style-type: none"> - Physiology and Regulation, Mechanics of breathing Characteristics of the respiration, Factors affecting respiration - Assessment of respirations: technique, special considerations - Alterations in respiration Blood pressure: <ul style="list-style-type: none"> - Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure - Assessment of blood pressure: sites, equipments and technique, special considerations - Alterations in blood pressure Recording of vital signs 		
VIII	30	<ul style="list-style-type: none"> ➤ Describe purpose and process of health assessment ➤ Describe the health assessment each body system ➤ Perform health assessment of each body system 	Health assessment <ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Practice on simulators ➤ Supervised Clinical practice 	Essay type Short answers Objective Type
IX	5	<ul style="list-style-type: none"> ➤ Identifies the various 	Machinery, Equipment and linen	<ul style="list-style-type: none"> ➤ Lecture discussion 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		machinery, equipment and linen and their care	Types: Disposables and re-usables- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery Introduction : - Indent - Maintenance - Inventory	➤ Demonstration	answers ➤ Objective type
X	62	<ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Assessment, Principles, Types, Equipments, Procedure, Special Considerations - Patient environment: Room Equipment and linen, <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice sessions • Supervised • Clinical practice 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers ➤ Objective type ➤ Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> o Condom drainage o Perineal care o Catheterization o Care of urinary drainage o Care of urinary diversions o Bladder irrigation <ul style="list-style-type: none"> ▪ 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, 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>equipments, procedures and special considerations</p> <p>Passing of Flatus tube</p> <p>Enemas</p> <p>Suppository</p> <p>Sitz bath</p> <p>Bowel wash</p> <p>Care of Ostomies</p> <p>Mobility and Immobility</p> <ul style="list-style-type: none"> - Principles of Body Mechanics - Maintenance of normal body dignment 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 <p>Range of motion exercises o</p> <p>Maintaining body alignment:</p> <p>Positions</p> <p>Moving</p> <p>Lifting</p> <p>Transferring</p> <p>Walking</p> <p>Restraints</p> <ul style="list-style-type: none"> - 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 <p>Maintenance of patent airway</p> <p>Oxygen administration</p> <p>Suction</p> <p>Inhalations: dry and moist</p> <p>Chest physiotherapy and postural drainage</p>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>Care of Chest drainage</p> <p>Pulse oximetry</p> <p>CPR- Basic life support</p> <p>Fluid, Electrolyte, and Acid — Base Balances</p> <ul style="list-style-type: none"> - Review of Physiological Regulation of Fluid, Electrolyte, and Acid -Base Balances - Factors Affecting Fluid, Electrolyte, and Acid - Base Balances - Alterations in Fluid, Electrolyte, and Acid - Base Balances <p>Nursing interventions in Fluid, Electrolyte, and Acid</p> <ul style="list-style-type: none"> - Base imbalances: assessment, types, equipment, procedure and special considerations o Measuring fluid intake and output <p>Correcting Fluid, Electrolyte Imbalance:</p> <p>Replacement of fluids:</p> <p>Oral and Parenteral Venipuncture, regulating IV Flow rates, changing IV solutions and tubing, Changing IV dressing, Administering Blood transfusion</p> <p>Restriction of fluids</p> <p>Psychosocial Needs</p> <p>Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, Coping with loss, death and grieving</p> <p>Assessment of psychosocial needs</p> <ul style="list-style-type: none"> - Nursing intervention for psychosocial needs - Assist with coping and adaptation - Creating therapeutic environment <ul style="list-style-type: none"> o Recreational and diversional therapies. 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XI	22	Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical settings	Infection control in Clinical settings <ul style="list-style-type: none"> • Infection control <ul style="list-style-type: none"> 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): <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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	Admintration of Medications: <ul style="list-style-type: none"> • General -Principles / consideration -Purposes of Medication -Principles: 5 rights; special consideration; Prescriptions; Safety in Adminstering		.Essay type Short answers Objective type Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>and between systems of measurements</p> <p>Administer drugs by the following routes- oral, Intra-dermal, Subcutaneous</p> <p>Intramuscular, Intra Venous topical, inhalation.</p> <p>Administer drugs by the following routes- oral, Intra-dermal, Subcutaneous</p> <p>Intramuscular, Intra Venous topical, inhalation</p>	<p>Medications and Medication Errors;</p> <ul style="list-style-type: none"> -Drug Forms; -Routes of administration -Storage and maintenance of drugs and Nurses responsibility -Broad classification of drugs: <ul style="list-style-type: none"> - Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions, - Factors Influencing drug Actions, - Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements, Solutions. - Converting Measurements <p>Units: Conversion within one system, Conversion between systems, Dosage Calculation,</p> <ul style="list-style-type: none"> - Terminologies and abbreviations used in prescriptions of medications <p>Oral Drugs Administration: Oral, Sub lingual and Buccal: Equipment, procedure</p> <p>Parenteral</p> <ul style="list-style-type: none"> - General principles: decontamination and disposal of syringes and needles - Types of parenteral therapies - Types of syringes, needles, canula, and infusion sets - Protection from Needle stick Injuries : Giving Medications with a safety syringes - Routes of parenteral therapies - Intra-dermal: purpose, site, equipment, procedure, special considerations - Subcutaneous: purpose, site, equipment, procedure, special considerations - Intramuscular: purpose, site, equipment, procedure, special 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>considerations</p> <ul style="list-style-type: none"> - Intra Venous: purpose,site, equipment, procedure, special considerations - Advanced techniques: epidural, intra-theal, intra-osseous, intra-peritoneal, intra-plural, intra-arterial- <p>Role of nurse</p> <p>Topical Administration: purposes, site, equipment, procedure, special considerations for</p> <p>Application to Skin</p> <p>Application to mucous membrane</p> <ul style="list-style-type: none"> - Direct application of liquids-Gargle and swabbing the throat - Insertion of Drug into body cavity: Suppository, medicated packing in rectum/vagina - Instillations:, Ear, Eye, Nasal, Bladder, and Rectal - Irrigations: Eye, Ear, Bladder, Vaginal and Rectal - Spraying: Nose and throat <p>Inhalation: Nasal, oral, endotracheal (steam, oxygen and medications) purposes, types, equipment, procedure, special considerations</p> <ul style="list-style-type: none"> - Recording and reporting of medications administered 		
XIII	10	<p>Describe the pre and post operative care of patients</p> <p>Explain the process of wound healing</p> <p>Explain the principles and</p>	<p>Meeting needs of Peri operative patients</p> <ul style="list-style-type: none"> • Definition and concept of Peri operative Nursing <p>Preoperative Phase</p> <ul style="list-style-type: none"> - Preparation of patient for surgery <p>Intra-operative</p> <p>Operation theatre Set up and environment</p>	<p>Lecture</p> <p>discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assess with check list and clinical practical</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		techniques of care Perform care of wounds	<ul style="list-style-type: none"> - Role of nurse Postoperative Phase - Recovery unit - Post operative unit - Postoperative care, Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing Surgical asepsis Care of the wound: types, equipments, procedure and special considerations - Dressings, Suture Care, - Care of Drainage - Application of Bandages, Binders, Splints & Slings - Heat and Cold Therapy 		examination
XIV	15	Explain care of patients having alterations in body functioning	<p>Meeting special needs of the patient</p> <ul style="list-style-type: none"> • Care of patients having alteration in: <ul style="list-style-type: none"> - Temperature (hyper and hypothermia); Types, Assessment, Management - Sensorium (Unconsciousness); Assessment, Management - Urinary Elimination (retention and incontinence); Assessment, Management - Functioning of sensory organs: (Visual & hearing impairment) - Assessment of Self-Care ability - Communication Methods and special considerations - Mobility (physically challenged, cast), assessment of Self-Care ability: Communication Methods and special considerations - Mental state (mentally challenged), assessment of Self-Care ability; - Communication Methods and special considerations - Respiration (distress); Types, Assessment, Management Comfort - (Pain) - Nature, Types, 	Lecture discussion Case discussions Supervised clinical practice	Essay type Short answers Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Factors influencing Pain, Coping, Assessment, Management; Treatment related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric – analysis		
XV	5	Explain care of terminally ill patient	Care of Terminally ill patient <ul style="list-style-type: none"> • Concepts of Loss, Grief, grieving Process - Signs of clinical death - Care of dying patient: special considerations - Advance directives: euthanasia, will, dying declaration ,organ donation etc - Medico-legal issues - Care of dead body: equipment, procedure and care of unit - Autopsy - Embalming 	Lecture discussion Demonstration Case discussion / Role play Practice session Supervised Clinical practice	Essay type Short answers Objective Type
XVI	6	Explain the basic concepts of conceptual and theoretical models of nursing	Professional Nursing concepts and practices <ul style="list-style-type: none"> • 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 	Lecture discussion	Essay type Short Answers

Prescribed Internal Assessment Weightage:

Internal Assessment : Term Test - 30
Assignment - 20

Fundamentals of Nursing

Recommended Books:

1. Taylor – Fundamentals of Nursing, 2007, LWW
2. Kozier – Fundamentals of Nursing ,2007,Pearson
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

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.

[illegible]

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			• Gives care as per the plan		
		<p>Communicate effectively with patient, and team members and Maintain effective human relations</p> <p>Develops plan for patient teaching</p> <p>Prepare patient reports</p> <p>Presents reports</p> <p>Monitor vital signs</p> <p>Perform health assessment of each body system</p>	<p>Communication Use verbal and non verbal communication techniques</p> <p>Prepare a plan for patient teaching session</p> <p>Write patient report Change-of shift reports Transfer reports Incident reports etc. Presents patient report</p> <p>Vital signs • Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure</p> <p>Health assessment</p> <ol style="list-style-type: none"> 6. Health history taking 7. Perform assessment: <ul style="list-style-type: none"> - General - Body systems 8. Use various methods of physical examination 9. Inspection, Palpation, 10. Percussion, Auscultation, 11. Olfaction 12. Identification of system wise deviations 	<p>Role-plays in simulated situations on communication techniques-I</p> <p>Healthtalk-I</p> <p>Write nurses notes and present the patient report of 2-3 assigned patient</p> <p>Lab practice</p> <p>Measure Vital signs of assigned patient</p>	<p>Assess role plays with the check-list on comm.-unication techniques</p> <p>Assess health talk with the checklist</p> <p>Assess-ment of comm-unication tech-niques by rating scale</p> <p>Assess-ment of perfor -mance with rating scale</p> <p>Assessment of each skill with checklist</p> <p>Completion of activity record</p>
		Provide basic nursing care to	<p>Prepare Patient's unit:</p> <ul style="list-style-type: none"> ▪ Prepare beds: 	Practice in lab & hospital	Assessment of each skill with

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
		patients	<ul style="list-style-type: none"> ▪ Open, closed, occupied, ▪ Operation, amputation, ▪ Cardiac, fracture, burn, divided & Fowlers bed ▪ Pain assessment and provision for comfort <p>Use comfort devices</p> <p>Hygienic care:</p> <ul style="list-style-type: none"> ▪ Oral hygiene: ▪ Baths and care of pressure points ▪ Hair wash, Pediculosis treatment <p>Feeding:</p> <ul style="list-style-type: none"> ▪ Oral, Enteral, Naso / Orogastric, gastrostomy and Parenteral feeding ▪ Naso-gastric insertion, suction, and irrigation <p>Assisting patient in urinary elimination</p> <ul style="list-style-type: none"> ▪ Provides urinal/bed pan ▪ Condom drainage ▪ Perineal care ▪ Catheterization ▪ Care of urinary drainage <p>Bladder irrigation</p> <p>Assisting bowel Elimination:</p> <ul style="list-style-type: none"> ▪ Insertion of Flatus tube ▪ Enemas ▪ Insertion of Suppository <p>Bowel wash</p> <p>Body Alignment and Mobility:</p> <ul style="list-style-type: none"> ▪ Range of motion exercises ▪ Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone, 	Simulated exercise on CPR manikin	rating scale Completion of activity record

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			Trendelenburg position		

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> Assist patient in Moving, lifting, transferring, walking Restraints 		
			Oxygen administration Suctioning: oropharyngeal, nasopharyngeal Chest physiotherapy and postural drainage Care of Chest drainage CPR- Basic life support Intravenous therapy Blood and blood component therapy Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids Perform lab tests: <ul style="list-style-type: none"> Urine: sugar, -albumin, acetone Blood: sugar (with strip glucometer) Hot and cold applications: local and general Sitz bath Communicating and assisting with self-care of visually & hearing impaired patients Communicating and assisting with self-care of mentally challenged/disturbed patients		

[illegible]

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> ▪ Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, Splints & Slings ▪ Bandaging of various body parts 		
		<ul style="list-style-type: none"> ▪ Administer drugs 	Administration of medications <ul style="list-style-type: none"> ▪ Administer Medications in different forms and routes ▪ Oral, Sub lingual and Buccal ▪ Parenteral Intra-dermal, subcutaneous, Intramuscular etc. ▪ Assist with Intra Venous medications ▪ Drug measurements and dose calculations ▪ Preparation of lotions and solutions ▪ Administers topical applications ▪ Insertion of drug into body cavity: Suppository & medicated packing etc. ▪ Instillation of medicines and spray into Ear, Eye, Nose and throat ▪ Irrigations: Eye, Ear, Bladder, Vagina and Rectum ▪ Inhalations: dry and moist 		
		<ul style="list-style-type: none"> ▪ Provide care to dying and dead ▪ Counsel and support relatives 	Care of dying patient <ul style="list-style-type: none"> ▪ Caring and packing of dead body ▪ Counseling and supporting grieving relatives ▪ Terminal care of the unit 		

Prescribed Internal Assessment Weightage:

NURSING FOUNDATIONS – PRACTICAL

<i>Internal Assessment</i>	:	<i>Practical Examination</i>	- 25
		<i>Clinical Evaluation</i>	-10
		<i>Procedural Demonstration</i>	- 5
		<i>Practical Record</i>	- 5
		<i>Observational Study</i>	- 5

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	Describe the history, scope and methods of psychology	Introduction <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			language and communication Intelligence: Meaning, classification, uses, theories Aptitude: Concept, types, Individual differences and variability Psychometric assessments of cognitive processes Alterations in cognitive processes Applications		
IV	12	➤ Describe motivation, emotions, stress, attitudes and their influence on behaviour	Motivation and Emotional Processes: <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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	Essay type Short answers
VII	11	Describe the characteristics of Mentally healthy Person Explain ego defence mechanisms	Mental hygiene and mental Health <ul style="list-style-type: none"> • 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			strategies and services • Ego Defence mechanisms and implications • Personal and social adjustments • Guidance and counseling • Role of nurse		
VIII	6	Explain the Psychological assessments and role of nurse	Psychological assessment & tests • Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment	Lecture Discussion Demonstration Practice sessions	Assessment of practice

Prescribed Internal Assessment Weightage:

Internal Assessment : Term Test - 30
Assignment - 20

MICROBIOLOGY

Placement: First year

Time: Theory - 80hours

(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.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	5		Explain concepts and principles of microbiology and their Importance nursing	Introduction: <ul style="list-style-type: none"> Importance and relevance to nursing Historical perspective Concepts and terminology • Principles of microbiology 	Lecture Discussion	Short answer questions Objective type
II	14	7	Describe structure, classification morphology and growth of bacteria Identify Micro-organisms	General characteristics of Microbes <ul style="list-style-type: none"> 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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
III	14	2	Describe the methods of infection control Identify the role of nurse in hospital infection control programme	Infection control <ul style="list-style-type: none"> • Infection: Sources, portals of entry and exit, transmission • Asepsis • Disinfection; Types and methods • Sterilization; Types and Methods Chemotherapy and antibiotics <ul style="list-style-type: none"> • Standard safety measures 	Lecture Discussion Demonstration Visits to CSSD Clinical practice	Short answers Objective type
				<ul style="list-style-type: none"> • 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.		
IV	16	6	Describe the different disease producing organisms	Pathogenic organisms <ul style="list-style-type: none"> • Micro-organisms <ul style="list-style-type: none"> - 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
V	11	5	Explain the	Immunity	Lecture	Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
			concept of immunity, hyper sensitivity and immunization	<ul style="list-style-type: none"> • 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.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	5		Identify & define various concepts used in computer identify application of computer in nursing	Introduction: <ul style="list-style-type: none"> • Concepts of Computers • Hardware and software; trends and technology • Application of computers in nursing 	Lecture Discussion Demonstration	Short answers Objective type
II	15	10	Describe and Use the Disk Operating System Demonstrate skill in the use of MS Office	<ul style="list-style-type: none"> • Introduction to disk-operating system DOS • 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	3	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	3	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	2	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	2	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

- 1.N.K.Anand & Shikha Goel ,Computers for Nurses, A.I.T.B.S. Publishers ,India.2009.
2. Thacker N Computers for Nurses, India. 2009

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Group In-group V/s. Out-group, Class Tribe, Caste Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction & Social Processes Co-operation, Competition, Conflict Accommodation, Assimilation & Isolation		
V	8	Explain the growth of population in India and its impact on health	Population <ul style="list-style-type: none"> • Society and population • Population distribution in India- Demographic characteristics • Malthusian theory of Populations • Population explosion in India and its impact on health status • Family welfare programmes 	Lecture Discussion Community identification	Essay type Short answers Assessment of report on community identification
VI	7	Describe the institutions of family and marriage in India	Family and Marriage <ul style="list-style-type: none"> • Family- Functions • Types-Joint, Nuclear, Blended and extended family: Characteristics • The Modern Family — Changes, Problems-Dowry etc., welfare Services • Changes & legislations on family and marriage in India - marriage acts • Marriage: Forms and functions of marriage, • Marriage and family problems in India • Family, marriage and their influence on health and health practices 	Lecture Discussion Family Case study	Essay type Short answers Assessment of family case study
VII	9	Describe the	Social Stratification	Lecture	Essay type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		class and caste system and their influence on health and health practices	Meaning & types of social stratification The Indian Caste System- origin & features Features of Caste in India Today <ul style="list-style-type: none"> • Social Class system and status • Social Mobility-Meaning & 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 	Discussion Community survey	Short answers Assessment of report on community survey
VIII	8	Describe the types of communities in India, their practices and the impact on health	Types of Communities in India (Rural, Urban and Regional) Features of village community & Characteristics of Indian villages- Panchayat system, social dynamics Community Development project & 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: Urbanisation and its impact on health and health practices Major Urban problems- Urban Slums Region: Problems and impact on Health	Lecture Discussion Visits to rural and urban community Community survey	Essay type Short answers Assessment of report on community survey

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IX	6	Explain the process of Social Change	Social Change <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Social disorganization 	Lecture Discussion	Essay type Short

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		dealing with social problems in India	<ul style="list-style-type: none"> Control & planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women & 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	Institutional visits	Answers Assessment of visit reports

Prescribed Internal assessment weightage:

Internal Assessment : Term Test - 30
Assignment - 20

PHARMACOLOGY

Placement: Second year

Theory- 50 Hours

Course Description:

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	8	Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration	Introduction to pharmacology <ul style="list-style-type: none">• Definitions• Sources• Terminology used• Types: Classification• Pharmacodynamics: Actions, therapeutic, Adverse, toxic• Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion• Review: Routes and principles of administration of drugs• Indian pharmacopoeia: Legal issues• Rational use of drugs• Principles of therapeutics	Lecture Discussion	Short answers Objective type
II	6	Explain chemotherapy of specific infections and infestations and nurse's responsibilities	Chemotherapy <ul style="list-style-type: none">• Pharmacology of commonly used;• Penicillin• Cephalosporins.• Aminoglycosides• Macrolide & Broad Spectrum Antibiotics• Sulfonamides• Quinolones.• Antiamoebic• Antimalarials• Anthelmintics• Antiscabies agents• Antiviral & anti-fungal agents.	Lecture Discussion Drug study/presentation	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Antitubercular drugs • Anti leprosy drugs • Anticancer drugs • Immuno-suppressants Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
III	2	Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities	Pharmacology of commonly used antiseptics, disinfectants and insecticides <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Pharmacology of commonly used- <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Pharmacology of commonly used- <ul style="list-style-type: none"> - Antiasthmatics Mucolytics Decongestants Expectorants Antitussives	Lecture Discussion Drug study/presentation	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Bronchodilators Broncho constrictors Antihistamines Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
VI	2	Describe Drugs used on Urinary System and nurse's responsibilities	Drugs used on Urinary System Pharmacology of commonly used- <ul style="list-style-type: none"> • Diuretics and antidiuretics • 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 & rminerals, poisoning, for immunization and immuno suppression and nurse's responsibilities	Miscellaneous <ul style="list-style-type: none"> • 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 responsi-	Drugs used on skin and mucous membranes <ul style="list-style-type: none"> • Topical applications for skin, eye, ear, nose and buccal cavity Antipruritics	Lecture Discussion, Drug study / presentation	Short answers Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		bilities	Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
IX	8	Describe Drugs used on Nervous System and nurses responsibilities	Drugs acting on Nervous system Basic & applied pharmacology of commonly used: /) Analgesics and Anaesthetics Analgesics - Non steroidal anti Inflammatory (NSAID) drugs Antipyretics Hypnotics and Sedatives - Opioids - Non-Opioids - Tranquilizers - General I & local anesthetics - Gases: oxygen, nitrous oxide, carbon dioxide Cholinergic and anti-cholinergic: Musclerelaxants Major tranquilizers Anti-psychotics Antidepressants Anticonvulsants. Adrenergics Noradrenergics Mood stabilizers Acetylcholine Stimulants 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
X	5	Describe Drugs used on Cardio-vascular System and nurse's respons-	Cardiovascular drugs • Haematinics • Cardiotonics, • Anti anginals • Anti-hypertensives & Vasodilators • Anti-arrhythmics	Lecture Discussion Drug study Presentation	Short answers Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		bilities	<ul style="list-style-type: none"> • Plasma expanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics • Hypolipidemics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity role of nurse		
XI	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 <ul style="list-style-type: none"> • 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 system of medicine	Introduction to Drugs used in alternative systems of medicine: <ul style="list-style-type: none"> • 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

PATHOLOGY AND GENETICS

Placement: Second year

Time: Theory — 60 hours

Section A- Pathology

Pathology: 40 hrs (Theory 30 and Practical 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.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	5		Define the common terms used in pathology. Appreciate the deviations from normal to abnormal structure and functions of the body system.	Introduction <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Pathological changes in disease conditions of various systems: <ul style="list-style-type: none"> Respiratory tract <ul style="list-style-type: none"> 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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Cardiovascular system Pericardial effusion - Rheumatic heart disease - Infective endocarditis, atherosclerosis, - Ischemia, infarction & aneurysm Gastro Intestinal Tract - Peptic ulcer, typhoid - Carcinoma of GI tract - buccal, Esophageal, - Gastric & intestinal Liver, Gall bladder & pancreas - Hepatitis, Chronic liver abscess, cirrhosis - Tumours of liver, gall bladder and pancreas, - Cholecystitis - Kidneys & Urinary tract - Glomerulonephritis, pyelonephritis - Calculi, renal failure, renal carcinoma & cystitis - Male genital systems Cryptorchidism testicular atrophy - Prostatic hyperplasia, Carcinoma Penis & prostate • Female genital system. Fibroids Carcinoma cervix and Endometri - Vesicular mole, choriocarcinoma - Ectopic gestation - Ovarian cyst & tumours Cancer Bre Central Nervous system Hydrocephalus, Meningitis, encephalitis, Vascular disorders thrombosis, embolism - Stroke, paraplegia, quadriplegia - Tumours, meningiomas		

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				gliomas Metastatic tumour skeletal system Bone healing, osteoporosis, osteomyelitis Arthritis & tumours.		
III	6	3	Describe various laboratory tests in assessment and monitoring of disease conditions	Clinical pathology Various blood and bone marrow tests in assessment and monitoring of disease conditions Hemoglobin .RBC. White cell & platelet counts Bleeding time, clotting time and prothrombin 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	Lecture Discussion Demonstration Visit to Clinical Pathology & Biochemistry lab and Blood bank	Short answers Objective type
IV	4	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	Examination of body cavity fluids, transudates and exudates The laboratory 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	Lecture Discussion Demonstration	Short answers Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				for various clinical pathology, biochemistry, microbiology tests, inference and normal values		
V	1	1	Describe the laboratory tests for examination of Urine and faeces	Urine and faeces <ul style="list-style-type: none"> • Urine <ul style="list-style-type: none"> - Physical characteristics - Analysis Culture and sensitivity Faeces <ul style="list-style-type: none"> 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

Time: Theory — 20

hours

Course Description:

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Explain nature, principles and perspectives of heredity	Introduction: <ul style="list-style-type: none">• 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 Mendalian 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 <ul style="list-style-type: none">• 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Neural Tube Defects and the role of folic acid in lowering the risks Down syndrome (Trisomy 21)		
III	3	Explain the screening methods for genetic defects and diseases in neonates and children	Genetic testing in the neonates and children <ul style="list-style-type: none"> • Screening for <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I

Placement: Second year

**Theory - 210 Hours
Practical - 800 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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<p>Appreciate the trends in medical and surgical nursing.</p> <p>Describe the role of a nurse in caring for adult patient in hospital and community.</p> <p>Describe the concepts of Medical Surgical asepsis</p>	<p>Introduction:</p> <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> - Outpatient department. - In-patient unit - Intensive care unit. - Home and Community settings <p>Introduction to Medical Surgical asepsis</p> <ul style="list-style-type: none"> - Inflammation and Infection - Immunity - Wound healing <p>Care of Surgical Patient</p> <ul style="list-style-type: none"> -Pre-operative -Intra operative -Post Operative 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised clinical practice</p>	<p>Short answers</p> <p>Objective Type</p> <p>Assessment of skills with checklist</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
II	15	Describe the common signs, symptoms, problems and their Specific nursing interventions	Common signs and symptoms and management <ul style="list-style-type: none"> • Fluid and electrolyte imbalance. <ul style="list-style-type: none"> • 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 Type
III	20	Describe the etiology, patho-physiology, 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 <ul style="list-style-type: none"> • 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 – <ul style="list-style-type: none"> 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 checklist Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Pulmonary tuberculosis • Lung abscess • Pleural effusion • Cysts and Tumours • Chest injuries • Respiratory arrest and insufficiency • Pulmonary embolism special therapies, alternative therapies Nursing procedures Drugs used in treatment of respiratory disorders		
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 <ul style="list-style-type: none"> • 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 deudenumhiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis • Small intestinal disorders inflammation and infection, entritis, 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Hernias • Appendix-inflammation, mass, abscess, rupture • Anal & Rectum; hemorrhoids, fissures, Fistulas • Peritonitis/acute abdomen Pancreas; inflammation, cyst, abscess and tumours • Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours Gall Bladder; inflammation, obstruction, stones and tumours Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system		
V	30	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems Describes the vascular conditions and its nursing management	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 - Arterio 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Angina pectoris • Myocardial infarction • Valvular disorders of the heart <ul style="list-style-type: none"> - Congenital and acquired - Rheumatic Heart diseases • Endocarditis, Pericarditis Myocarditis • Cardio 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 • Lymphomas • Myelomas • Special therapies • Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reactions:, records for blood transfusion. • Management and counseling of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Role of a nurse in Organ donation, retrieval and banking Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders 		
VI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system	<p>Nursing management of patient (adults including elderly) with genito-urinary problems</p> <ul style="list-style-type: none"> • 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- <ul style="list-style-type: none"> • 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 urethra inflammation, infection, stricture, obstruction, tumour, prostrate Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genitourinary 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

VII	5	Describe the etiology, pathophysiology,	Nursing Management of disorders of male(adults including elderly) reproductive system	Lecture discussion Explain using	Essay type Short answers
		clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system	<ul style="list-style-type: none"> • 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 • Alospadiasis, 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
VIII	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system	Nursing management of patient(adults including elderly) with disorders of endocrine system <ul style="list-style-type: none"> • Review of anatomy and physiology of endocrine system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- 	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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Disorders of Thyroid and Parathyroid • Diabetes mellitus • Diabetes insipidus • Adrenal tumour • Pituitary disorders. Special therapies, alternative' therapies Nursing procedures Drugs used in treatment of disorders of endocrine system.		
IX	10	Describe the etiology, patho-physiology, 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 <ul style="list-style-type: none"> • 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” <ul style="list-style-type: none"> • 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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 <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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, Tumor, 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, patho physiology, clinical manifestations, diagnostic	Nursing management of patient (adults including elderly) with Immunological problems <ul style="list-style-type: none"> • 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 Assessment

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		measures and management of patients (adults including elderly) with disorders of Immunological system	<ul style="list-style-type: none"> • 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
XII	20	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases.	Nursing management of patient (adults including elderly) with Communicable Diseases <ul style="list-style-type: none"> • 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Tuberculosis • diarrhoeal diseases hepatitis A - E <ul style="list-style-type: none"> • herpes • chickenpox • smallpox • typhoid • meningitis • gas gangrene • leprosy. • Dengue • Plague • Malaria • Diphtheria • Pertussis • Poliomyelitis • Measles • Mumps • Influenza • Tetanus • Yellow fever • Filariasis • HIV, AIDS • Reproductive Tract Infections • Special infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Communicable diseases. 	Supervised clinical practice Drug book /presentation	problem
XIII	20	Describe the Organization and physical set up of operation theatre Identify the various instruments and equipments used for	Peri operative nursing: <ul style="list-style-type: none"> • Organization and Physical set up of the Operation Theatre (OT): <ul style="list-style-type: none"> - 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. 	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>used for common surgical procedures</p> <p>Describe the infection control measures in the Operation theatre</p> <p>Describe the role of the nurse in the Pen Operative nursing care</p>	<ul style="list-style-type: none"> • 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 <p>Infection control; fumigation, disinfection and sterilization</p> <p>Biomedical waste management</p> <ul style="list-style-type: none"> • Prevention of accidents and hazards in O.T • Anaesthesia • Types • Methods of administration <p>Effects and Stages</p> <ul style="list-style-type: none"> • Equipments • Drugs • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects 		

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

Carlpenito – 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

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
General Medical Ward (Respiratory, GI, Endocrine, Renal, Hematology)	180 hrs	Provide nursing care to adult patients with medical disorders Counsel and educate patients and families	<ul style="list-style-type: none"> Assessment of the patient Taking history Perform general and specific physical examination. Identify alterations and deviations Practice medical surgical asepsis- Standard safety measures Administer medications Oral, IV, IM, Subcutaneous IV therapy IV canulation Maintenance and monitoring Oxygen therapy by different methods Nebulization Chest physio therapy Naso gastric feeding Assist in common diagnostic Perform Assist in therapeutic procedures Blood and component therapy Throat Suctioning Collect specimens for common investigations. Maintain elimination Caricaturisation Bowel wash 	Plan and give care to 3-4 assigned patients Nursing care plan-2 Nursing case study! presentation-I Drug presentation- I Maintain drug book Maintain Practical record book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study! presentation Completion of practical record.

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			Enema Urinary drainage • Maintain Intake, output and documentation • Counsel and teach related to specific disease conditions		
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	• Practice medical surgical asepsis- Standard safety measures • Pre operative preparation of patients • Post operative care — Receiving Pt, assessment, monitoring, care • Care of wounds and drainage • Suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care Gastrostomy Colostomy Enterostomy • Blood and component therapy • Practice universal precautions	Plan and give care to 3-4 assigned patients Nursing care plan - 2 Nursing case study! presentation - I Maintain drug book	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 Maintain drug book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study! Presentation health talk
			.Teach patients and families Practice medical and surgical asepsis Standard safety measures		Completion of activity record
Skin & Commu	30 hrs	Identify skin problems	Assessment of patients with skin disorders	Plan and give care to 2-3 assigned patients	Assess performance

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Communicable diseases Ward		Provide nursing care to patients with Skin disorders & Communicable diseases Counsel and educate patients and families	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.	Health talk Counseling HIV positive patients and families -1 Maintain drug book	with rating scale Evaluation of health talk/Counseling session Completion of activity record
Orthopaedic ward	80 hrs	Provide nursing care to patients with musculo skeletal disorders Counsel and educate patients and families	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	Plan and give care to 2-3 assigned patients Nursing care plan—I Nursing case study! presentation - 1 Maintain drug book	Assess performance with rating scale Evaluation of Nursing care plan and Nursing case study! presentation Completion of activity record
Operation Theatre	180 hrs	Identify instruments used in common operations Participate in Infection control practice in the Operation Theatre Set-up the table/trolleys for common	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	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	Assess performance with rating scale Completion of activity record

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
		operative procedures Assist in giving anesthesia Assist in the operative procedures Provide post operative nursing care	depending upon the operation Positioning and monitoring of patients Endotracheal intubation Assisting in minor and major operations. Handling specimens Disposal of waste as per the guidelines		

Internship

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

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
		Pt with head injury and spinal injury. Care with chest surgery and Cranial surgery.	Drug sheet. Pre and postoperative care with neuro surgery patients.	Drug sheet	
Burns and plastic Reconstructive surgery	2	Assess the severity of burns. Administer rehydration therapy. Observe reconstructive surgery.	Nursing care		
OT Lapro-ScopiC Orthopaedic Eye ENT	3	Identify instruments Assist in OT set Up Supervise sterilization. Assist in OT table lay out. Observe immediately after operation. Supervise infection control.		Assist —5 cases.	Record book

Prescribed Internal assessment weightage:

<i>Internal Assessment</i>	<i>: Practical Examination</i>	<i>- 25</i>
	<i>Clinical Evaluation</i>	<i>- 10</i>
	<i>Care Study</i>	<i>- 5</i>
	<i>Practical Record</i>	<i>- 5</i>
	<i>Observational Visit</i>	<i>- 5</i>

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	Describe concept and dimensions of health	Introduction •community health nursing definition, concept and dimensions of health emotion of health Measurement of health & diseases , vital statistics <ul style="list-style-type: none"> ▪ Maintenance of health 	Lecture discussion	Short answers
II	20	Describe determinants of health	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 and Linkages Acts regulating the environment: National Pollution control board Bacterial & 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	Lecture discussion Explain using Charts, graphs, Models, films, slides Visits to water supply, sewage disposal milk plant house etc	Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			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.		
III	13	Describe concept, scope, uses methods and approaches of epidemiology	Epidemiology Definition<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 o Experimental	Lecture discussion Explain using Charts, graphs Models, films, slides	Essay type Short answers
IV	30	Describe Epidemiology and nursing: management of common Communicable Diseases	Epidemiology and nursing management of common Communicable Diseases ❖ Respiratory infections Small Pox <ul style="list-style-type: none"> • Chicken Pox • Measles • influenza • Rubella • ARI's & Pneumonia • Mumps 	Lecture discussion Explain using Charts, graphs Models, films, slides Seminar Supervised field practice-health centers, clinics and homes · Group projects Health education	Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Whooping cough • Meningococcal • meningitis u. • Tuberculosis • SARS 		
			Intestinal Infections Poliomyelitis Viral Hepatitis Cholera Diarrhoeal diseases Typhoid Fever Food poisoning Amoebiasis Hook worm infection Ascariasis Dracunculiasis Arthropod infections Dengue Malaria Filariasis Zoonoses Viral Rabies Yellow fever Japanese encephalitis <ul style="list-style-type: none"> • Kyasnur 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 & RTI • Yaws HIV/AIDS		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Any other		
V	12	Describe Epidemiology and nursing management of common Non communicable diseases	Epidemiology and Nursing management of Non communicable diseases Malnutrition: under nutrition, over nutrition, nutritional deficiencies Anaemia Hypertension Stroke Rheumatic.Heart Disease Coronary Heart Disease Cancer Diabetes mellitus Blindness Accidents Mental illness Obesity Iodine Deficiency Fluorosis Epilepsy	Seminar Supervised field practice-health centers, clinics and homes Group projects! Health education Lecture discussion. Explain using Charts, graphs Models, films, slides	Essay type Short answers Objective type
VI	6	Describe the concepts and scope of demography Describe methods of data collection, analysis and interpretation' of demographic data	Demography • Definition, concept and scope • Methods of collection, analysis and interpretation of demographic data • Demographic rates and ratios	Lecture discussion Community identification survey	Essay type Short answers Objective type Assessment of Survey report
VII	17	Identify the impact of population explosion in India Describe methods of population control	Population and its control • Population explosion and its impact on social, economic development of individual, society ad country • Population control: Overall development: Women empowerment, social, economic and educational development Limiting family size: Promotion of small family norm Methods: spacing (natural, biological, chemical, mechanical methods etc) Terminal: surgical methods	Lecture discussion Population survey Counseling Demonstration Practice session Supervised field practice	Essay type Short answers Objective type Assessment of Survey report

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Emergency contraception		

Prescribed Internal Assessment Weightage:

Internal Assessment : Term Test - 30
Assignment - 20

Community Health Nursing I – Practical

Placement: Second year

Time: 160 hours

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Community health nursing	Urban– 60 hrs Rural–100 hrs	<ul style="list-style-type: none"> • Build and Maintain rapport • Identify demographic characteristics, health determinants and community health resources • Diagnose health needs of individual and families • Provide primary care in health centre • Counsel and educate individual, family and community 	<ul style="list-style-type: none"> • Use Techniques of interpersonal relationship • Identification of health determinants of community • History taking • Physical examination • Collect specimens- sputum, malaria smear • Perform simple lab tests at centre- blood for Hemoglobin and sugar, urine for albumin and sugar • Administer vaccines and medications to adults • Counsel and teach individual, family and community <ul style="list-style-type: none"> Nutrition Hygiene Self health monitoring Seeking health services Healthy life style Family welfare methods Health promotion 	<ul style="list-style-type: none"> • To work with 2 assigned families each in urban and rural / • Family Study • Observation report of community -1 • Health talks 2 (1 in urban and in rural) 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skill with checklist • Evaluation of family study, observation report and health talk • Completion of activity record.

Prescribed Internal Assessment Weightage

<i>Practical Internal Assessment</i>	<i>:Practical Examination</i>	<i>25</i>
	<i>Clinical Evaluation</i>	<i>10</i>
	<i>Family Care study</i>	<i>5</i>
	<i>Practical Record</i>	<i>5</i>
	<i>Field Visit</i>	<i>5</i>

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.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	6		➤ Describe the communication process identify techniques of effective communication	Review of Communication Process Process; elements And channel Facilitators Barriers and methods of overcoming Techniques	➤ Lecture Discussion ➤ Role plays ➤ Exercises with audio/video tapes	➤ Respond to critical incidents ➤ Short answers ➤ Objective type
II	6		➤ Establish effective inter-personal relations with patients, families & co-workers	Interpersonal relations Purpose & types Phases Barriers & methods of overcoming Johari Window	Lecture Discussion Role Plays Exercises with audio/video tapes Process recording	Short Answer Objective type
III	6		➤ Develop effective human relations in context of nursing	Human relations • Understanding self • Social behaviour, motivation, social attitudes • Individual and groups • Groups & individual • Human relations in context of nursing • Group dynamics Team work	Lecture Discussion Sociometry Group games Psychometric exercise followed by discussion	Short Answer Objective type Respond to test based on critical incidents

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
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
VI	11	10	Demonstrate	Methods of teaching	Lecture Discussion	Short Answer

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
			teaching skill using various teaching methods in clinical, classroom and community settings	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 & reports, bedside clinic, conference (individual & group) process recording.	Conduct 5 teaching sessions using different methods & media	Objective type Assess teaching sessions
VII	11	8	Prepare and use different type of educational media effectively	Educational Media Purposes and types of A.V. Aids, Principles & 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 & leaflets. Projected Aids: Slides, OHP, Films, TV, VCR/ VCD, Camera, Microscope, LCD. Audio Aids: Tape recorder, public address system. Computer	Lecture, discussions, Demonstration Prepare different teaching aids- Projected and non-projected.	Short answers Objective Type Assess the teaching aids prepared.
VIII	6	7	Prepare different	Assessment:	Lecture, Discussions,	Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
			types of questions for assessment of knowledge, skills and attitudes	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.	Exercise on writing different types of assessment tools.	Objective types Assess the strategies used in practice teaching sessions and exercise sessions
IX	6		Teach individuals, groups and communities about health with their active participation	Information, Education & communication for health (IEC) o Health behaviour & health education Planning for health education Health education with individuals, groups & communities Communicating health messages Methods & media for communicating health messages Using mass media	Lecture Discussion Plan & conduct health education, sessions for individuals, group & communities	Short Answer Objective type Assess the planning & conduct of the educational session

Prescribed Internal Assessment Weightage:

<i>Internal Assessment</i>	<i>: Term Test</i>	<i>- 30</i>
	<i>Practice Teaching/Assignment</i>	<i>- 20</i>

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 in
4. Keating – Curriculum Development Nursing ,WoltersKluwer.

Medical Surgical Nursing (Adult including Geriatrics) II

Placement: Third year

**Time: Theory - 120 hours
Practical - 300hours**

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat	Nursing management of Patient with disorders of Ear Nose and Throat <ul style="list-style-type: none"> ➤ 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, tonsillitis and adenoiditis, peritonsillar 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			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.		
II	15	Describe the Etiology, Patho physiology, clinical manifestations diagnostic measures and management of patients with disorders of eye.	Nursing management of patient with disorders of eye <ul style="list-style-type: none"> ➤ 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	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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Special therapies Nursing procedures Drugs used in treatment of disorders of eye.		
III	16	Describe the etiology, patho physiology, clinical manifestations diagnostic measures and nursing management of patients with neurological disorders	Nursing management of patient with neurological disorders <ul style="list-style-type: none"> Review of anatomy and physiology of the neurological system Nursing Assessment-History and Physical and neurological assessment and Glasgow coma scale Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders Congenital malformations Headache Head Injuries Spinal Injuries: Paraplegia Hemiplegia - Quadraplegia Spinal cord compression- herniation of intervertebral disc Tumors of the brain & spinal cord Intra cranial and cerebral aneurysms Infections: - Meningitis, Encephalitis, Brain abscess, neurocysticercosis Movement disorders - Chorea - Seizures - Epilepsies Cerebro Vascular Accidents (CVA) Cranial, Spinal Neuropathies — Bell's palsy, trigeminal neuralgia Peripheral Neuropathies; GuillainBarr'e Syndrome Myasthenia gravis Multiple sclerosis Degenerative diseases	<ul style="list-style-type: none"> 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 rehabilitation centre. 	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem
Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Delirium - Dementia - Alzheimer's disease - Parkinson's disease • Management of unconscious		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			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,	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
			uterine displacement, Cystocele/Urethrocele/Rectocele • Vaginal disorders; Infections and Discharges, Fistulas • Vulvar disorders; Infections, cysts, tumours • Diseases of breasts; Deformities, Infections, Cysts and Tumours • Menopause and Hormonal		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Replacement Therapy <ul style="list-style-type: none"> • Infertility • Contraception; Types Methods, Risk and effectiveness Spacing Methods <ul style="list-style-type: none"> - 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		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery	Nursing management of patients with Burns, reconstructive and cosmetic surgery <ul style="list-style-type: none"> • Review of anatomy and physiology of the skin and connective tissues and various deformities • Nursing Assessment-History and Physical assessment and Assessment of burns and fluid and electrolyte loss • Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical 	Lecture discussion Explain using <ul style="list-style-type: none"> • 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 Burns and Reconstructive and Cosmetic surgery; <ul style="list-style-type: none"> • 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	

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			re constructive and cosmetic surgery		
VI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology	Nursing management of patients with oncological conditions <ul style="list-style-type: none"> • 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 emergencies • Modalities of treatment <ul style="list-style-type: none"> Immunotherapy Chemotherapy Radiotherapy Surgical Interventions Stem cell and Bone marrow transplants Gene therapy 	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
			Other forms of treatment <ul style="list-style-type: none"> • Psychosocial aspects of cancer. • Rehabilitation 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Palliative care Symptom and Pain Management, Nutritional support • Home care • Hospice care Stoma Therapy • Special therapies Psycho social aspects • Nursing procedures 		
VII	10	<p>Describe organization of emergency and disaster care services</p> <p>Describe the role of nurse in disaster management</p> <p>Describe the role of nurse in management of common Emergencies</p>	<p>Nursing management of patient in EMERGENCY & DISASTER situations</p> <p>Disaster Nursing:</p> <p>Concepts and principles of Disaster Nursing</p> <p>Causes and Types of Disaster: Natural and Man-made</p> <p>Earthquakes, Floods, Epidemics, Cyclones</p> <p>Fire, Explosion, Accidents Violence, Terrorism; bio- chemical, War</p> <p>Policies related to emergency/disaster management; International, national, state, institutional</p> <p>Disaster preparedness: Team, Guidelines, protocols, Equipments ,Resources</p> <p>Coordination and involvement of; Community, various govt. departments, non-Government. organizations and International agencies</p> <p>Role of nurse: working</p> <p>Legal Aspects of Disaster Nursing</p> <p>Impact on Health and after effects; Post Traumatic Stress Disorder</p> <p>Rehabilitation; physical, psychosocial, Financial, Relocation</p> <p>Emergency Nursing</p> <p>Concept, priorities, principles and Scope of emergency nursing</p>	<p>Lecture discussion</p> <p>Explain using Charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions / Seminar</p> <p>education</p> <p>Supervised clinical practice</p> <p>Disaster management Drills</p> <p>Drug book /presentation</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient</p> <p>Management problem</p>
			<p>Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse</p> <p>Coordination and involvement of different departments and facilities</p> <p>Nursing Assessment-History and Physical assessment</p>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			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 Aging; • Demography; Myths and realities • Concepts and theories of aging	Lecture discussion Explain using Charts, graphs Models, films, slides	Essay type Short answers Objective type Assessment
		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 Visit to old age home	of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			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		
IX	10	Describe organization of critical care units Describe the role of nurse in management of patients critical care units	Nursing management of patient in critical care units <ul style="list-style-type: none"> • 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			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	Health education Supervised clinical practice Drug book / presentation	
X	8	Describe the etiology, patho-physiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder	Nursing management of patients adults including elderly with Occupational and Industrial Disorders Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, diagnosis, treatment modalities and medical & 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		

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
3. Nettna – Lippincott manual of Nursing Practice,2009,LWW
4. Lewis – Medical Surgical Nursing,2008,Elsevier

Reference Books:

1. Davidson's Principles & Practice of Medicine, 2010, Elsevier
2. Bailey & Love Short Practice of Surgery,2008,Hodder Arnold
3. Timby – Introductory Medical Surgical Nursing, 2009,WK
4. Das – Textbook of Surgery, SD Publishers
5. Woods – Cardiac Nursing ,2010,LWW
6. Hickey – Neurologic & Neurosurgical Nursing,2009,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
10. Gulanick – Nursing care Plans,2008,Elsevier
11. Carpenito – Nursing Care Plans & Documentation,2009.LWW
12. Carlpenito – Nursing Diagnosis ,2009,LWW
13. Webber – Health assessment In Nursing ,2010,WK

Medical Surgical Nursing (Adult including Geriatrics) - II Practical

Placement: Third Year

**Time: Theory- 120hrs
Practical - 300 hrs
Internship- 430 hrs**

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
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
Ophtha-mology	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 — 1 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

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Neurology	60 hours	Provide care to patients with neurological disorders. Counsel and educate patient and families	Perform Neurological Examination Use Glasgow coma scale Assist with diagnostic procedures Assist with therapeutic procedures Teach patients & families Participate in rehabilitation program	Provide care to assigned 2-patients with neurological disorders. Case study/Case presentation-Maintains drug book Health Teaching- I	Assess each skill with checklist Assess performance with rating scale 3. Evaluation of case study & health teaching Completion of activity record
Gynecology ward	30 hours	Provide care to patients with gynecological disorders. Counsel and educate patient and families	Assist with gynecological Examination Assist with diagnostic procedures: Assist with therapeutic procedures Teach patients families Teaching self Breast Examination. Assist with PAP smear collection.	Provide care to 2-3 assigned patients Nursing care plan— i Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan Completion of activity record
Burns Unit	25 hours	Provide care to patients with Burns Counsel and educate patient and families	Assessment of the burns patient Percentage of burns Degree of burns. Fluid & electrolyte replacement therapy • Assess • Calculate • Replace • Record intake/output Care of Bum wounds	Provide care to 1-2 assigned patients Nursing care plan -1 Observation report of Burns unit	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan an observation report Completion of activity record

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> • Bathing • Dressing Perform active & passive exercises Practice medical & surgical asepsis Counsel & Teach patients and families Participate in rehabilitation program		
Oncology Unit	50 hours	Provide care to patients with cancer Counsel and educate patient and families	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 <ul style="list-style-type: none"> • Chemotherapy • Radiotherapy • Pain management Stoma therapy <ul style="list-style-type: none"> • Hormonal therapy Immunotherapy <ul style="list-style-type: none"> • Gene therapy • Alternative therapy Participate in palliative care Counsel and teach patients families	Provide care to 2-3 assigned patients Nursing care plan 1 Observation report of cancer unit	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan and observation report Completion of activity record

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> - Self Breast Examination - Warning signs • Participate in rehabilitation program 		
Critical care unit	50 hours	Provide care to critically ill patients Counsel patient and families for grief and bereavement	Chest physiotherapy Perform active & passive exercises Monitoring of patients in ICU Maintain flow sheet Care of patient on ventilators Perform Endotracheal suction -Demonstrates use of ventilators, cardiac monitors etc. Collect specimens and interprets ABG analysis Assist with arterial puncture Maintain CVP line Pulse oximetry CPR-ALS Defibrillator Pace makers Bag-mask ventilation Emergency tray/ Crash Cart Administration of drugs <ul style="list-style-type: none"> • Infusion pump • Epidural Intrathecal Intra cardiac Total parenteral therapy 	Provide care to I assigned patient Observation report of Critical care unit Drugs book.	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report Completion of activity record
Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			Chest physiotherapy Perform active & passive exercises Counsel the patient and family in dealing with grieving and bereavement		

Casualty! Emer- gency	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)					
Medical Ward	2	Provide comprehensive care to patients with medical and surgical conditions including emergencies	Integrated Practice		Assess clinical performance with rating scale
Surgical Ward	2				
Critical care unit /ICCU	1				
Casualty/ Emergency	2				
Operation Theatre (Eye, ENT, Neuro)	2	Assist with common operations			

Prescribed Internal Assessment Weightage:

<i>Internal Assessment</i>	<i>: Practical Examination</i>	<i>25</i>
	<i>Clinical Evaluation</i>	<i>10</i>
	<i>Care Study</i>	<i>5</i>
	<i>Practical Record</i>	<i>5</i>
	<i>Observational Visit</i>	<i>5</i>

Child Health Nursing

**Placement: Third year
hours**

Time: Theory - 100

**Practical - 300hours
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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	Explain the modern concept of child care & 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 & 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	Introduction Modern concepts of childcare Internationally accepted rights of the Child National policy and legislation in relation to child health and welfare National programmes related to child health and welfare Agencies related to welfare services to the children Changing trends in hospital care, preventive, promotive and curative aspects of child health. Child morbidity and mortality rates. Differences between an adult and child Hospital environment for a sick child Impact of hospitalization on the child and family. Grief and bereavement The role of a Child health nurse in caring for a hospitalized child Principles of pre and post operative care of infants and children Child health nursing procedures.	Lecture Discussion Demonstration of common paediatric procedures	Short answers Objective type Assessment of skills with checklist
II	20	Describe the	The healthy child	Lecture Discussion	Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		normal growth & development of children at different ages Identify the needs of children at different ages & provide parental guidance Identify the nutritional needs of children at different ages and ways of meeting the needs Appreciate the role of play for normal & sick children. Appreciate the preventive measures and strategies for children	<ul style="list-style-type: none"> 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
IV	08		Integrated management of neonatal and childhood illnesses (IMNCI)		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	43	<p>Identify measures to prevent common childhood diseases including immunization</p> <p>Provide nursing care in common childhood diseases</p>	<p>Nursing management in common childhood diseases</p> <p>Nutritional deficiency disorders Respiratory disorders and infections Gastrointestinal infections, infestations and congenital disorders Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease Genito- urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders. Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida. Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia Endocrine disorders: Juvenile Diabetes Mellitus - Orthopedic disorders: club feet, hip dislocation and fracture. Disorders of skin, eye, and ears Common communicable diseases in children, their identification, nursing management in hospital and home and prevention. Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning. Nursing care of infant and children with HIV / AIDS.</p>	<p>Lecture Discussion Demonstration Practice session Clinical practice</p>	<p>Objective type Assessment of skills with checklist Short answers</p>
VI	07	<p>Manage the child with behavioral social problems</p> <p>Identify the social & welfare services for challenged children</p>	<p>Management of behavioral & social problems in children</p> <ul style="list-style-type: none"> • Management of common behavioral disorders • Management of common psychiatric problems • Management of challenged children: Mentally, Physically, & Socially challenged • Welfare services for challenged children in India. <p>Child guidance clinics</p>	<p>Lecture discussion Field visits to child guidance clinics, school for mentally & physically, socially challenged</p>	<p>Short answers Objective type Assessment of field Reports</p>

Prescribed Internal Assessment Weightage:

***Internal Assessment : Theory - 30
Assignment- 20***

Pediatric Nursing

Recommended Books:

1. Kyle – Essentials of Pediatric Nursing,2009,LWW
2. Marlow – Textbook of Pediatric Nursing,1996,Elsevier
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. 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
6. Nelson – Textbook of Pediatrics, 2007, Elsevier.
7. Ghai – Essentials of Pediatrics ,2009,CBS
8. Avery's Neonatology ,2006,LWW
9. Fleisher – Pediatric emergency Medicine,2006,
10. Achar's Textbook of Pediatrics, 2009, Orient Black Swan.

Child Health Nursing Practical

Placement: Third Year

Time: 300 hrs (9 weeks)

Fourth Year

Internship- 145 hrs (3 weeks)

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Paediatric Medicine Ward	120 hours	<p>Provide nursing care to children with various medical disorders</p> <p>Counsel and educate parents.</p>	<p>Taking Paediatric History'</p> <p>Physical examination and assessment of children</p> <p>Administer of oral, J/M & IV medicine/fluids</p> <p>Calculation of fluid requirements</p> <p>Prepare different strengths of I. V. fluids</p> <p>Apply restraints</p> <p>Administer O2 inhalation by different methods</p> <p>Give baby bath</p> <p>Feed children by Katori spoon, etc.</p> <p>Collect specimens for common investigations</p> <p>Assist with common diagnostic procedures</p> <p>Teach mothers/parents</p> <p>Malnutrition Oral rehydration therapy</p> <ul style="list-style-type: none"> • Feeding & Weaning Immunization schedule • Play therapy • Specific Disease conditions 	<p>Give care to three assigned paediatric patients</p> <p>Nursing Care Plan -1</p> <p>Case study/ presentation - I</p> <p>Health Talk -1</p>	<p>Assess clinical performance with rating scale</p> <p>Assess each skill with checklist</p> <p>OSCE/OSPE</p> <p>Evaluation of case study! presentation and Health education session</p> <p>Completion of activity record.</p>
Pediatric Surgery Ward	90 hrs	<p>Recognize different pediatric surgical conditions/ Malformations</p> <p>Provide pre and post operative care</p>	<p>Calculate, prepare and administer I/V fluids</p> <ul style="list-style-type: none"> • bowel wash <p>Care for ostomies:</p> <ul style="list-style-type: none"> • Colostomy irrigation <p>Ureterostomy</p> <p>Gastrostomy</p> <p>Enterostomy</p> <p>Urinary catheterization and drainage</p>	<p>Give care to three assigned paediatric surgical patients</p> <p>Nursing Care Plan - 1</p> <p>Case study / Presentation - 1</p>	<p>Assess clinical performance with rating scale</p> <p>Assess each skill with checklist</p> <p>OSCE/OSPE</p> <p>Evaluation of case study!</p>

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
		to children with common paediatric surgical conditions/ Malformation Counsel and educate parents	Feeding Naso-gastric Gastrostomy Jejunostomy Care of surgical wounds Dressing • Suture removal		presentation Completion of activity record.
Pediatric OPD/ Immunization room	30 hrs	Perform assessment of children: Health, Developmental and Anthropometric Perform Immunization Give Health Education / Nutritional Education	Assessment of children - Health assessment - Developmental assessment Anthropometric assessment Immunization Health/Nutritional Education	Developmental study - I	Assess clinical performance with rating scale Completion of activity record
Paediatric medicine and surgery ICU	Surgery - 30 hours NICU/Nursery – 30 hours	Provide nursing care to critically ill children	Care of a baby in incubator/warmer Care of a child on ventilator Endotracheal suction Chest physiotherapy Administer fluids with infusion pump Total parenteral nutrition Phototherapy Monitoring of babies Cardio Pulmonary Resuscitation	Nursing care plan I Observation report 1	Assess clinical performance with rating scale Completion of activity record Evaluation of observation report

Internship

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Pediatric medicine ward/ICU	1	Provide comprehensive care to children with medical conditions	Integrated Practice		Assess clinical performance with rating scale
Pediatric	1	Provide	Integrated Practice		Assess clinical

Surgery ward/ICU		comprehensive care to children with surgical conditions			performance with rating scale
NICU	1	Provide intensive care to neonates	Integrated Practice		Assess clinical performance with rating scale

Prescribed Internal Assessment Weightage:

<i>Internal Assessment</i>	<i>:</i>	<i>Practical Examination</i>	<i>25</i>
		<i>Clinical Evaluation</i>	<i>10</i>
		<i>Care Study</i>	<i>5</i>
		<i>Practical Record</i>	<i>5</i>
		<i>Observational Visit</i>	<i>5</i>

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	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 <ul style="list-style-type: none"> • 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
	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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Explains the classification of mental disorders Explain psycho dynamics of maladaptive behaviour Discuss the etiological factors, psychopathology of mental disorders Explain the Principles and standards of Mental health Nursing Describe the conceptual models of mental health nursing	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: <ul style="list-style-type: none"> • Existential Model • Psycho-analytical models • Behavioural model • Interpersonal model 		
III	8	Describe nature, purpose and process of assessment of mental health status	Assessment of mental health status <ul style="list-style-type: none"> • History taking • Mental status examination • Mini mental status examination • Neurological examination: Review • Investigations: Related Blood • chemistry, EEG, CT & MRI • Psychological tests Role and responsibilities of nurse	Lecture discussion Demonstration Practice session Clinical practice	Short answer Objective type Assessment of skills with check list
IV	8	Identify therapeutic communication techniques Describe therapeutic relationship Describe therapeutic impasse and its	Therapeutic communication and nurse-patient relationship <ul style="list-style-type: none"> • 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 	Lecture discussion Demonstration Role play Process recording	Short answer Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		intervention	intervention		
V	15	Explain treatment modalities and therapies used in mental disorders and role of the nurse	Treatment modalities and therapies used in mental disorders <ul style="list-style-type: none"> • 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	Lecture discussion Demonstration Group work Practice session Clinical practice	Essay type Short answers Objective Type
VI	7	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders	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	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems.
VII	5	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients	Nursing management of patient with mood disorders <ul style="list-style-type: none"> • Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc • Etiology, psycho-pathology, clinical manifestations, diagnosis, • Nursing Assessment-History, Physical and mental assessment 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		with mood disorders	<ul style="list-style-type: none"> • Treatment modalities and nursing management of patients with mood disorders • Geriatric considerations • Follow-up and home care and rehabilitation 		
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 Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis, Nursing Assessment-History, Physical, mental assessment and drug assay. 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Classification: ICD? • Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis (parkinsons and alzheimers) • Nursing Assessment-Flistory, Physical, mental and neurological assessment • Treatment modalities and nursing management of organic brain disorders • Geriatric considerations • Follow-up and home care and 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			rehabilitation		
XIII	6	Identify psychiatric emergencies and carry out crisis intervention	Psychiatric emergencies and crisis intervention Types of psychiatric emergencies and their management Stress adaptation Model: stress and stressor, coping, resources and mechanism Grief: Theories of grieving process, principles, techniques of counseling Types of crisis Crisis Intervention: Principles, Techniques and Process Geriatric considerations Role and responsibilities of nurse	Lecture discussion Demonstration Practice session Clinical practice	Short answers Objective type
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	Legal issues in Mental Health Nursing • The Mental Health Act 1987: Act, Sections, Articles and their implications etc. • Indian Lunacy Act.1912 • Rights of mentally ill clients • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures Role and responsibilities of nurse	Lecture discussion Case discussion	Short answers Objective Type
XV	5	Describe the model of preventive psychiatry Describes Community Mental health services and role of the nurse	Community Mental Health Nursing • Development of Community Mental Health Services: • National Mental Health Programme • Institutionalization Versus Deinstitutionalization • Model of Preventive psychiatry: Levels of Prevention • Mental Health Services available at the primary,	Lecture discussion Clinical / field practice Field visits to mental health service agencies	Short answers Objective type Assessment of the field visit reports

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			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.		

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
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 Pyschiatry,2007,LWW
4. Kaplan – Kaplan & Sadock Concise Textbook of Clinical Psychiatry,2008,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

Mental Health Nursing-Practical

**Placement: Third Year
(10weeks)**

Time: Practical - 300 hours

Internship - 95 hours (2 weeks)

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Psychiatric OPD	30	Assess patients with mental health problems Observe and assist in Therapies Counsel and educate patient, and families	History taking Perform mental status examination (MSE) Assist in Psychometric assessment Perform Neurological examination Observe and assist in therapies Teach patients and family members	History taking and Mental status examination- 2 Health education- I Observation report of OPD	Assess performance with rating scale Assess each skill with checklist Evaluation of health education Assessment of observation report Completion of activity record.
Child Guidance clinic	60	Assessment of children with various mental health problems Counsel and educate children, families and significant others	History taking Assist in psychometric assessment Observe and assist in various therapies Teach family and significant others	Case work-1 Observation report of different therapies-I	Assess performance with rating scale Assess each skill with checklist Evaluation of the observation report
Inpatient ward	180	Assess patients with mental health problems To provide nursing care for patients with various mental health problems Assist in various therapies Counsel and educate patients, families and significant others	History taking Perform mental status examination (MSE) Perform Neurological examination Assist in psychometric assessment Record therapeutic , communication Administer medications Assist in Electro-convulsive Therapy (ECT) Participate in all therapies Prepare patients for Activities of Daily	Give care to 2-3 patients with various mental disorders Case study- 1 Care plan -2 Clinical presentation 1 Process recording 2 Maintain drug book	Assess performance with rating scale Assess each skill with checklist Evaluation of the case study, care plan, clinical presentation, process recording Completion of activity record

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			living (ADL) Conduct admission and discharge counseling Counsel and teach patients and families		
Community Psychiatry	30	To identify' patients with various mental disorders To motivate patients for early treatment and follow up To assist' in follow up clinic Counsel and educate patient, family and community	Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and Teach family members, patients and community	Case work-I Observation report on field visits	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of case work and observation report • Completion of activity record

Internship

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Psychiatry ward	2 weeks	Provide comprehensive care to patients with mental health problems	Integrated Practice		Assess clinical performance with rating scale

Prescribed Internal Assessment Weightage:

Internal Assessment	:	Practical Examination	25
		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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> ➤ 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 		
III	10	Describe the diagnosis and management of women during antenatal period.	Assessment and management of pregnancy (ante-natal) <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> - History and physical examination - Antenatal Examination - Signs of previous child-birth 	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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position - Per vaginal examination. • Screening and assessment for high risk; • Risk approach • History and Physical Examination • Modalities of diagnosis; Invasive & Non-Invasive, ultrasonics, cardiotomography, NST, CST • Antenatal preparation - Antenatal counseling - Antenatal exercises Q Diet - Substance use - Education for child-birth - Husband and families - Preparation for safe-confinement - Prevention from radiation • Psycho-social and cultural aspects of pregnancy - Adjustment to pregnancy - Unwed mother - Single parent - Teenage pregnancy - Sexual violence • Adoption 		
IV	15	<p>Describe the physiology and stages of labour.</p> <p>Describe the management of women during intra- natal period</p>	<p>Assessment and management of intra-natal period,</p> <ul style="list-style-type: none"> • 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 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion!</p> <p>presentation</p> <p>Simulated practice</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problems</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Active management of labour, Induction of labour - Pain relief and comfort in labour • Second stage • Signs and symptoms; normal and abnormal • Duration • Conduct of delivery; Principles and techniques • Episiotomy (only if required) • Receiving the new born - Neonatal resuscitation; initial steps and subsequent resuscitation - Care of umbilical cord - Immediate assessment including screening for congenital anomalies - Identification - Bonding - Initiate feeding - Screening and transportation of the neonate • Third stage • Signs and symptoms; normal and abnormal • Duration • Method of placental expulsion • Management; Principles and techniques • Examination of the placenta • Examination of perineum • Maintaining records and reports • Fourth Stage 		
V	15	<p>Describe the physiology of puerperium.</p> <p>Describe the management of women during post- natal period</p>	<p>Assessment and management of women during post natal period</p> <ul style="list-style-type: none"> • Normal puerperium; Physiology Duration • Postnatal assessment and management • Promoting physical and emotional well-being • Lactation management Immunization 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Health talk - Practice Session</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Family dynamics after child-birth, Family welfare services; methods, counseling Follow-up Records and reports		of patient management problems
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 gravidarum, 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Gynaecological diseases complicating pregnancy - Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydramnios, Rh incompatibility u Mental disorders • Adolescent pregnancy, Elderly primi and grand multipara • Multiple pregnancy • Abnormalities of placenta & cord • Intra-uterine growth-retardation • Nursing management of mothers with high-risk pregnancy • Maintenance of Records and Report 		
VIII	15	<p>Describe management of abnormal labour.</p> <p>And obstetrical emergencies</p>	<p>Abnormal Labour - assessment and management</p> <ul style="list-style-type: none"> • 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 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion!</p> <p>presentation</p> <p>Practice Session</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with checklist.</p> <p>Assessment of patient management problems</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			obstetrics. Effects of maternal medication on foetus and neonate		
XII	10	<p>Appreciate the importance of family welfare programme</p> <p>Describe the methods of contraception and role of nurse in family welfare programme</p>	<p>Family Welfare Programme</p> <ul style="list-style-type: none"> • 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, LHVs, Anganwadi workers, TBAs (Traditional birth attendant - Dai) 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised practice</p> <p>Group project</p> <p>Counseling session</p> <p>Field visits</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list, project and field visits reports</p>

Prescribed Internal Assessment Weightage:

Internal Assessment : Term Test - 30
Assignment - 20

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
2. Ricci – Essentials of maternity nursing, 2009, Lippincotts
3. William's Obstetrics,2009,Mcgrahill
4. Mudaliar – Clinical Obstetrics, Orient Black swan.
5. Berek - Novak's Gynecology,2008,LWW
6. Lowdermilk – Maternity Nursing,2008,Elsevier
7. Dutta – Obstetrics ,NCBA
8. Seshadri – Essentials of Gynaecology,2010,WK

Midwifery and Obstetrical Nursing- Practical

Placement: Third Year & Fourth year

Practical: 260 hours (Third year)

170 hours (Fourth year)

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
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 - I 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 Cesarean Sections - 2 *Witness abnormal deliveries - 5	Assessment of clinical performance with rating scale Assessment of each skill With checklists Completion of Case book recordings

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
		MTP and other surgical procedures	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 & baby during Cesarean Arrange for and assist with MTP and other surgical procedures	Assist with MTP and other Surgical procedures - Case book recordings	
Post natal ward	120 hours	Provide nursing care to post natal mother and baby Counsel and teach mother and family for parent hood	Examination and assessment of mother and Baby Identification of deviations Care of postnatal mother and baby Perineal care Lactation. management Breast feeding Baby bath Immunization, Teaching postnatal mother: Mother craft Post natal care & Exercises Immunization	Case presentation - I Case book recordings *Give care to Post natal - mothers - 20 Health talks-I Case study —	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
Newborn nursery	70 hours	Provide nursing care to newborn at risk	Newborn assessment Admission of neonates Feeding of at neonates risk	Case study-1 Observation Study – I	Assessment of clinical performance Assessment of each skill With checklists Evaluation

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> • Katori spoon, paladi, tube feeding, total parenteral nutrition • Thermal management of neonates-kangaroo mother care, care of baby in incubator • Monitoring and care of neonates • Administering medications • Intravenous therapy • Assisting with diagnostic procedure • Assisting with exchange transfusion • Care of baby on ventilator • Phototherapy • Infection control protocols in the nursery Teaching and counseling of parents Maintenance of Neonatal records 		of and observation study
Family Planning Clinic	Rotation from post natal 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

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

Prescribed Internal Assessment Weightage:

Internal Assessment	:	Practical Examination	25
		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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Define concepts, scope, principles and historical development of Community Health and community health Nursing	Introduction <ul style="list-style-type: none"> • Definition, concept & scope of Community Health and Community Health Nursing • Historical development of Community health • Community health Nursing. <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • 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 health policies (1983, 2002) <ul style="list-style-type: none"> • 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 <p>Planning, budgeting and material management of SCs , PHC and, CHC</p> <p>Rural: Organization, staffing and functions of rural health services provided by government at:</p>	Lecture discussion Visits to various health delivery systems Supervised field practice Panel discussion	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>List the functions of various levels and their staffing pattern</p> <p>Explain the components of health services</p> <p>Describe alternative systems of health promotion and health maintenance.</p> <p>Describe the chain of referral system</p>	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Allopathy • Indian System of Medicine and Homeopathy • Alternative health care systems like yoga, meditation, social and spiritual healing etc • Referral system 	➤	

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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 <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Equitable distribution • Community participation • Focus on prevention • Use of appropriate technology • Multi-sectoral approach • Roles and responsibilities of Community health nursing personnel in <ul style="list-style-type: none"> • Family health services • Information Education Communication (IEC) • Management Information System (Mis): Maintenance of Records & reports • Training and 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Job Description of Community health nursing personnel		
V	15	Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health	<p>Assisting individuals and groups to promote and maintain their health</p> <p>Empowerment for self care of individuals, families and groups in</p> <p>A. Assessment of self and family</p> <ul style="list-style-type: none"> • Monitoring growth and development Mile stones 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 <p>B. Seek health services for</p> <ul style="list-style-type: none"> • 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 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised field practice</p> <p>Individual group/family community health education</p>	<p>Essay type</p> <p>Short answers</p>
			<p>E. Carryout therapeutic procedures as prescribed! required for self and family</p> <p>F. Waste Management</p> <ul style="list-style-type: none"> • Collection and disposable of waste at home and community <p>G. Sensitize and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders • Female Foeticide • Commercial sex workers 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Food adulteration • Substance abuse H. Utilize community resources for self and family Trauma services <ul style="list-style-type: none"> • Old age homes • Orphanage • Homes for physically and mentally challenged individuals • Homes for destitute 		
VI	20	Describe National Health and Family Welfare Programmes and Role of Nurse Describe the various health schemes in India	National Health & Family Welfare Programmes and the Role of Nurse 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	Lecture, Discussions Participation in National Health Programmes Field Visits	Essay Type Short Answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Prophylaxis Programme 20 Point Programme ICDS Programme Mid-day Meal Applied Nutritional Programme National Mental Health Programme Health Schemes -ESI -CGHS -Health Insurance		
VII	5	Explain the roles and functions of various national and international health agencies	Health Agencies International - WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc. National - Indian Red Cross, Indian Council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association India, Hindu Kush Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc.	Lecture discussion Field visits	Essay type Short answers

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

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

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			physically and mentally challenged individuals etc Collect and Calculate Vital health statistics Document and maintain Individual, family and administrative records. Write reports-center, disease, national health programme/ projects		

Placement: Internship Time: 4 Weeks

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Urban	4 weeks	Provide comprehensive care to individual, family and community	Integrated Practice and group project-I in each rural and urban		Assess clinical performance with rating scale Evaluation of project

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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Location • Sources • On line search; CINHALL, 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 anti designs: <ul style="list-style-type: none"> • 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
				studies with rationale.	
V	8	Explain the sampling process Describe the methods of data collection	Sampling and data collection: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 Oral presentation Assessment of group research Project.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - 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:

Kothari – Research Methodology,2007,Newage Publishers

Jagadeesh – Bio Medical Research, 2009, WoltersKluwer.

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.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	4		Explain the principles and functions of management.	Introduction to management in nursing <ul style="list-style-type: none"> • 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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Review Technique		
				(PERT), Bench marking, Activity Plan (Gantt Chart),		
III	8	20	Describe the Management of nursing services in the hospital and Community	Management of nursing services in the hospital and Community: <ul style="list-style-type: none"> • Planning: Hospital and patients care units including ward management Emergency and disaster management • Human resource management: Recruiting, selecting, deployment, retaining, promoting, superannuation etc • Categories of nursing personnel including job description of all levels • Patient/population classification systems Patients/population assignment and Nursing care responsibilities • Staff development and welfare Budgeting: proposal, projecting requirements for staff, equipments and supplies for 1-hospital and patient care units • Emergency and disaster management Material Management; procurement, inventory	Lecture Discussion Demonstration Simulated Exercises Case studies Supervised practice in ward- writing indents, preparing duty roaster, ward supervision Assignment on duties and responsibilities of ward sister Writing report	Essay type Short answers Assessment of problem solving exercises, Assessment of the assignments Performance evaluation by ward sister with rating scale

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				control, auditing and maintenance in Hospital and patient care units • Emergency and disaster management Directing and leading: delegation, participatory management • Assignments, rotations, delegations • Supervision & 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		
IV	10		Describe the concepts, theories and techniques of Organizational behaviour and human relations	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	Lecture Discussion Role plays Group games Self assessment Case discussion Practice Session	Essay type Short answers Assessment of problem solving

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				bargaining		
V	5	5	Participate in planning and organizing in service education program	In service education: <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				implementation and evaluation, Clinical facilities Transport facilities Institutional Records and reports administrative, faculty, staff and students		
VII	15		Describe the ethical and legal responsibilities of a professional nurse. Explain the nursing practice standards	Nursing as a profession: <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Code of ethics; INC, • Code of Professional conduct; INC, ICN Practice standards for Nursing; INC Consumer protection act Legal Aspects in Nursing <ul style="list-style-type: none"> • Legal terms related to practice; registration and licensing • Laws related to nursing practice; Breach and penalties • Malpractice and negligence ICN	Lecture Discussion Case discussion Panel discussion Role plays Critical incidents Visit to INC/SNC	Short answers Assessment of critical incidents
VIII	3		Explain the various opportunities for professional advancement	Professional Advancement: Continuing education Career Opportunities Collective bargaining Membership with Professional organizations; National. and International Participation in research activities Publications; Journals, Newspapers etc.	Lecture Discussion Review! Presentation of published articles	Short answers

Prescribed Weightage for Internal Assessment:

<i>Internal Assessment</i>	<i>:</i>	<i>Term Test</i>	<i>- 30</i>
		<i>Assignment</i>	<i>- 10</i>
		<i>Observational visit</i>	<i>- 10</i>

Nursing Management

Recommended Books:

- 1.) Barrett – Ward Management and Teaching, 1995, Konark Publishing.
- 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

**THE TAMILNADU DR.M.G.R. MEDICAL UNIVERSITY
CHENNAI – 600 032.**



**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 TAMILNADU DR.M.G.R. MEDICAL UNIVERSITY
CHENNAI – 600 032.**



**REGULATION AND SYLLABUS FOR
M.Sc POST GRADUATE DEGREE IN NURSING
2010 – 2011**

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
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C O N T E N T S

S.No.	Description	Page no.
1.	Objectives	4
2.	Admission Requirements	4
3.	Regulations for Exams	5
4.	Guidelines for dissertation	6
5.	Duration	8
6.	Scheme of Examination	9
7.	Nursing Education	11
8.	Advanced Nursing Practice	18
9.	Clinical speciality	
	Medical Surgical Nursing	24
	Obstetrics and Gynaecological Nursing.	31
	Child Health Nursing	37
	Mental Health Nursing	41
	Community Health Nursing	47
10.	Nursing Research & Statistics	53
11.	Nursing Management	61
12.	Clinical speciality – II	
	Medical Surgical Nursing ...	
	Cardio Vascular and Thoracic Nursing ...	68
	Critical Care Nursing	79

Oncology Nursing	87
Neuro Sciences Nursing	97
Nephrology, Urology Nursing	108
Orthopedic Nursing	115
Gastro Enterology Nursing	122
Obstetrics and Gynaecological Nursing. . . .	138
Child Health Nursing	146
Mental Health Nursing	149
Community Health Nursing	155

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:-

Total No. of days in a year -	365 days
a) No. of weekly off (Sundays)- 52 days	
b) No. of Government Holidays - 22 days	
c) No. of Holidays - 21 days	
	95 days

Total No. of Working days	
Including examination period	270 days

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 to the weightage 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	Theory (Common to all)	: 50
	Practical (Common to all)	: 100

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.

(χ) 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 with in 1 (one) year.

21.COURSE OF INSTRUCTION

Subjects	Theory (hrs)	Practical (hrs)
1st year		
Nursing Education	150	150
Advance Nursing Practice	150	250
Nursing Research and Statistics	150	150
*Clinical Speciality – I	150	750
Total	600	1300
2nd year		
Nursing Management	150	150
Nursing Research (Dissertation)		400
*Clinical Speciality – II	150	1050
Total	300	1600

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

Subjects	Theory			Practical	
I Year	Hrs.	Internal	University	Internal	University
Nursing Education	3	50	100	50	50
Advanced Nursing Practice	3	50	100		
Nursing Research & Statistics	3	50	100		
Clinical Specialty – I	3	50	100	100	100
II Year					
Nursing Management	3	50	100		
Dissertation & Viva				100	100
Clinical Speciality – II		50	100	100	100

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

50 MARKS

1. Long Essays : 1x 20marks = 20 marks
2. Short notes : 5 x 6 marks =30 marks

SECTION- B

STATISTICS

50 MARKS

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.

C O N T E N T S

S.No.	Description	Page no.
1.	Objectives	4
2.	Admission Requirements	4
3.	Regulations for Exams	5
4.	Guidelines for dissertation	6
5.	Duration	8
6.	Scheme of Examination	9
7.	Nursing Education	11
8.	Advanced Nursing Practice	18
9.	Clinical speciality	
	Medical Surgical Nursing	24
	Obstetrics and Gynaecological Nursing.	31
	Child Health Nursing	37
	Mental Health Nursing	41
	Community Health Nursing	47
10.	Nursing Research & Statistics	53
11.	Nursing Management	61
12.	Clinical speciality – II	
	Medical Surgical Nursing ...	
	Cardio Vascular and Thoracic Nursing ...	68
	Critical Care Nursing	79
	Oncology Nursing	87

Neuro Sciences Nursing	97
Nephrology, Urology Nursing	108
Orthopedic Nursing	115
Gastro Enterology Nursing	122
Obstetrics and Gynaecological Nursing. . . .	138
Child Health Nursing	146
Mental Health Nursing	149
Community Health Nursing	155

S
ANNEXURE-I
DECLARATION

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

CURRICULUM

NURSING EDUCATION

**Placement: 1st
Year**

**Hours of nstruction
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:

Units	Hours		Course Content
	Theory	Practical	
I	10	12	Introduction : <ul style="list-style-type: none"> • Education :Definition, aims, concepts, philosophies & their education implications, • Impact of Social, economical, political & technological changes on education: - Professional education - Current trends and issues in education - Educational reforms and National Educational policy, various educational commissions-reports - Trends in development of nursing education in India
II	20	30	Teaching – Learning Process <ul style="list-style-type: none"> • Concepts of teaching and learning: Definition, theories of teaching and learning, relationship between teaching and learning. • Educational aims and objectives; types, domains, levels, elements and writing of educational objectives • Competency based education(CBE) and outcome based education(OBE) • Instructional design: Planning and designing the lesson, writing lesson plan : meaning, its need and importance, formats. • 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)

Units	Hours		Course Content
	Theory	Practical	
III	10	10	Instructional media and methods <ul style="list-style-type: none"> • Key concepts in the selection and use of media in education • Developing learning resource material using different media • Instructional aids – types, uses, selection, preparation, utilization. • Teacher's role in procuring and managing instructional Aids – Project and non-projected aids, multi media, video-tele conferencing etc
IV	10	6	Measurement and evaluation: <ul style="list-style-type: none"> • Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement. • Principles of assessment, formative and summative assessment- internal assessment external examination, advantages and disadvantages. • Criterion and norm referenced evaluation,
V	12	10	Standardized and non-standardized tests : <ul style="list-style-type: none"> • Meaning, characteristics, objectivity, validity, reliability, usability, norms, construction of tests- <ul style="list-style-type: none"> • Essay, short answer questions and multiple choice questions. • Rating scales, checklist, OSCE/OSPE(Objective structured clinical/practical examination) • Differential scales, and summated scales, sociometry, anecdotal • Question bank-preparation, validation, moderation by panel, utilization • Developing a system for maintaining confidentiality
VI	8	5	Administration, Scoring and Reporting <ul style="list-style-type: none"> • Administering a test; scoring, grading versus marks • Objective tests, scoring essay test, methods of scoring, Item analysis.
VII	12	6	Standardized Tools <ul style="list-style-type: none"> • Tests of intelligence aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities.

Units	Hours		Course Content
	Theory	Practical	
VIII	5	6	Nursing Educational programs <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • Program planning, implementation and evaluation of continuing education programs. • Research in continuing education. • Distance education in nursing.
X	10	10	Curriculum Development <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Teacher – roles & responsibilities, functions, characteristics, competencies, qualities, • Preparation of professional teacher • Organizing professional aspects of teacher preparation programs • Evaluation: self and peer • Critical analysis of various programs of teacher education in India.

Units	Hours		Course Content
XII	10	5	Guidance and counseling <ul style="list-style-type: none"> • Concept, principles, need, difference between guidance and counseling , trends and issues. • Guidance and counseling services : diagnostic and remedial. • Coordination and organization of services. • Techniques of counseling : Interview, case work, characteristics of counselor, problems in counseling. • Professional preparation and training for counseling.
XIII	10	10	Administration of Nursing Curriculum <ul style="list-style-type: none"> • Role of curriculum coordinator – planning, implementation and evaluation. • Evaluation of educational programs in nursing- course and program. • Factors influencing faculty staff relationship and techniques of working together. • Concept of faculty supervisor (dual) position. • Curriculum research in nursing. • Different models of collaboration between education and
XIV	10	5	Management of nursing educational institutions <ul style="list-style-type: none"> • Planning, organizing, staffing, budgeting, recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel,
XV	5	5	<ul style="list-style-type: none"> • Development and maintenance of standards and accreditation in nursing education programs. • Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University. • Role of Professional associations and unions.

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

<u>Techniques</u>	<u>Weight age</u>
<i>Test- (2 tests)</i>	<i>30</i>
<i>Assignment& Seminar/presentation</i>	<i>20</i>
<i>Total</i>	<i>50</i>

Practical – Internal assessment

<i>Practice Teaching</i>	<i>30</i>
<i>Learning resource material &conducting workshop /Short Term Course</i>	<i>20</i>
<i>Total</i>	<i>50</i>

Practical – External assessment

<i>Practice teaching- 1-</i>	<i>30</i>
<i>Preparation/use of learning resource material-/ Construction of tests/rotation plan</i>	<i>20</i>
<i>Total</i>	<i>50</i>

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

Hours of Instruction
Theory : 150 Hours
Practical : 250Hours
Total : 400Hours

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.
9. Describe alternative modalities of nursing care.
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

Unit	Hours	Content
I	10	Nursing as a Profession <ul style="list-style-type: none"> 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, <ul style="list-style-type: none"> * 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Review of cellular division, mutation and law of inheritance, human genome project ,The Genomic era. 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.

Unit	Hours	Content
IV	10	Epidemiology <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Values, Conceptual models, approaches. - Nursing theories: Nightingale's, Henderson's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Neuman's, Roy's, Watson's, etc and their applications, - Health belief models, communication and management, etc - Concept of Self health. - Evidence based practice model.
VIII	10	Nursing process approach <ul style="list-style-type: none"> - 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.

Unit	Hours	Content
IX	30	Psychological aspects and Human relations <ul style="list-style-type: none"> - Human behavior, Life processes & growth and development, personality development, defense mechanisms, - Communication, interpersonal relationships, individual and group, group dynamics, and organizational behavior, - Basic human needs, Growth and development, (Conception through preschool, School age through adolescence, Young & middle adult, and Older adult) - Sexuality and sexual health. - Stress and adaptation, crisis and its intervention, - Coping with loss, death and grieving, - Principles and techniques of Counseling.
X	10	Nursing practice <ul style="list-style-type: none"> - Framework, scope and trends. - Alternative modalities of care, alternative systems of health and complimentary therapies. - Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions. - Health promotion and primary health care. - Independent practice issues,- Independent nurse-midwifery practitioner. Collaboration issues and models-within and outside nursing. - Models of Prevention, - Family nursing, Home nursing, - Gender sensitive issues and women empowerment. - Disaster nursing. - Geriatric considerations in nursing. - Evidence based nursing practice- Best practices - Trans-cultural nursing.
XI	25	Computer applications for patient care delivery system and nursing practice <ul style="list-style-type: none"> - Use of computers in teaching, learning, research and nursing practice. - Windows, MS office: Word, Excel, Power Point, - Internet, literature search, - Statistical packages, - Hospital management information system: software's.

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, mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, BT Pleural and abdominal paracentesis OT techniques, Health assessment, Triage, Pulseoxymetry.

Internal Assessment

<u>Techniques</u>	<u>Weight age</u>
<i>Test- (2 tests)</i>	<i>30</i>
<i>Assignment /Seminar/presentation</i>	<i>20</i>

	<i>50</i>

Recommended Books:

- 1.) Taylor – Fundamentals of Nursing, 2007, LWW
- 2.) Kozier – Fundamentals of Nursing ,2007,Pearson
- 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 neurosciences 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:

Unit	Hours	Content
I	5	Introduction: <ul style="list-style-type: none">- Historical development of Medical- Surgical Nursing in India.- Current status of health and disease burden in India.- Current concept of health.- Trends & issues in Medical – Surgical Nursing.- Ethical & cultural issues in Medical – Surgical Nursing.- Rights of patients.- National health policy, special laws & ordinances relating to older people- National goals.- Five year plans.- National health programs related to adult health.

Unit	Hours	Content
II	20	Health Assessment of patients <ul style="list-style-type: none"> - History taking. - Physical examination of various systems. - Nutritional assessment. - Related investigations and diagnostic assessment.
III	5	Care in hospital settings: <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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.

Unit	Hours	Content
V	10	Management of patients with disorders of nervous system <ul style="list-style-type: none"> - Review of anatomy and physiology. -Common Disorders- etiology, Pathophysiology, 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.
VI	10	Management of patients with disorders of respiratory system <ul style="list-style-type: none"> - Review of anatomy and physiology. - Common disorders – etiology; pathophysiology; clinical manifestations, complications & prognosis - Health Assessment – History taking, physical examination, investigation and diagnostic assessment.
VII	10	Management of patients with disorders of cardiovascular system <ul style="list-style-type: none"> - Review of anatomy and physiology. - Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis. - Health assessment-History taking, physical examination, investigation and diagnostic assessment. - Treatment modalities and trends. - Nursing management.
VIII	5	Management of patients with disorders of blood <ul style="list-style-type: none"> - Review of anatomy and physiology. - Common Disorders-etiology, Pathophysiology, Clinical manifestations, complications, prognosis. - Health assessment-History taking, physical examination, investigation and diagnostic assessment.
IX	10	Management of patients with disorders of genito urinary system <p>Review of anatomy and physiology.</p> <p>% Common Disorders-etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p>
X	10	Management of patients with disorders of endocrine system <p>Review of anatomy and physiology.</p> <p>Common Disorders-etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and diagnostic assessment.</p>
XI	10	Management of patients with disorders of muscular-skeletal system <p>Review of anatomy and physiology.</p> <p>Common Disorders- etiology, Pathophysiology, Clinical manifestations, complications, prognosis.</p> <p>Health assessment-History taking, physical examination, investigation and</p>

Unit	Hours	Content
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. Health assessment-History taking, physical examination, investigation and diagnostic assessment.
		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.

Practical

Total = 750 Hours
1 Week = 30 Hours

S. No.	Dept/Unit	No. of Week	Total Hours
	General Medical Ward	4	120 Hours
	General Surgical Ward	4	120 Hours
	ICUs	6	180 Hours
	Oncology	2	60 Hours
	Ortho	2	60 Hours
	Cardio	2	60 Hours
	Emergency Department	3	90 Hours
	Neuro	2	60 Hours
	Total	25 Weeks	750 Hours

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.) Nettna – 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

CHILDHEALTH (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

Unit	Hours	Content
I	10	Introduction Historical development of Pediatrics and Pediatric Nursing in India; Current status of child health in India; Trends in Pediatrics and Pediatric Nursing, Ethical and cultural issues in pediatric care Rights of children National health policy for children, special laws and ordinances relating to children. National goals, Five year plans, National health programs related to child health.
II	10	Assessment of pediatric clients History taking Developmental assessment Physical assessment Nutritional assessment Family assessment
III	10	Hospitalized child Meaning of hospitalization of the child, preparation for hospitalization, effects of hospitalization on the child and family Stressors and reactions related to developmental stages, play activities for ill hospitalized child. Nursing care of hospitalized child and family -principles and practices
IV	15	Pre-natal Pediatrics Embryological and fetal development, Prenatal factors influencing growth and development of fetus. 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, Importance of prenatal care and role of pediatric nurse.
V	15	Growth and Development of children Principles of growth and development, Concepts and theories of growth and development, Developmental tasks and special needs from infancy to adolescence, developmental milestones, Assessment of growth and development of pediatric clients, Factors affecting growth and development.

Unit	Hours	Content
VI	15	Behavioral Pediatrics and Pediatric Nursing Parent child relationship, Basic behavioral pediatric principles and specific behavioral pediatric concepts/disorders- maternal deprivation, failure to thrive, child abuse, the battered child, Common behavioral problems and their management, Child guidance clinic.
VII	15	Preventive Pediatrics and Pediatric Nursing Concept, aims and scope of preventive pediatrics, Maternal health and its influence on child health antenatal aspects of preventive pediatrics, Immunization, expanded program on immunization/ universal immunization program and cold chain, Nutrition and nutritional requirements of children, changing patterns of feeding, baby- friendly hospital initiative and exclusive breast feeding, Health education, nutritional education for children Nutritional programs National and international organizations related to child health, Role of pediatric nurse in the hospital and community.
VIII	30	Neonatal Nursing New born baby- profile and characteristics of the new born, Assessment of the new born, Nursing care of the new born at birth, care of the new born and family, High risk newborn- pre term and term neonate and growth retarded babies, Identification and classification of neonates with infections, HIV & AIDS, Ophthalmia neonatorum, congenital syphilis. High risk new born- Identification, classification and nursing management Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.
IX	30	IMNCI (Integrated management of neonatal and childhood illnesses)

Practical

Total = 750Hours
1 Week = 30Hours

S.No.	Dept./Unit	No. of Week	Total Hours
1	Pediatric Medicine Ward	5	150 Hours
2	Pediatric Surgery Ward	5	150 Hours
3	Labor Room/Maternity Ward	2	60 Hours
4	Pediatric OPD	2	60 Hours
5	NICU	5	150 Hours
6	Creche	1	30 Hours
7	Child Guidance Clinic	1	30 Hours
8	Community	4	120 Hours
	Total	25 Weeks	750 Hours

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:

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

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

Units	Hours	Content
I	10	Introduction <ul style="list-style-type: none"> • 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, psycho 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 <ul style="list-style-type: none"> • Review of anatomy and physiology of human reproductive system: male and female • Hormonal cycles • Embryology • Genetics, teratology and counseling • Clinical implications

Units	Hours	Content
III	25	<p>Pregnancy</p> <ul style="list-style-type: none"> ➤ Maternal adaptation : Physiological, psychosocial <ul style="list-style-type: none"> • 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 Alfa 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), amnioscopy, foetoscopy, • Radiological examination, <ul style="list-style-type: none"> ○ 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	<p>Normal Labour and nursing management:</p> <ul style="list-style-type: none"> • Essential factors of labour • Stages and onset <p>First stage: Physiology of normal labour</p> <ul style="list-style-type: none"> • Use of partograph: Principles, use and critical analysis, evidence based studies •Analgesia and anaesthesia in labour •Nursing management <p>Second stage</p> <ul style="list-style-type: none"> •Physiology , intrapartum monitoring •Nursing management. • Resuscitation , immediate newborn care and initiate breast feeding (Guidelines of National neonatology forum of India) <p>Third stage</p> <ul style="list-style-type: none"> •Physiology and nursing management <p>Fourth stage – Observation, critical analysis and Nursing management.</p> <ul style="list-style-type: none"> •Various child birth practice: water birth, position change etc •Evidence based practice in relation to labour intervention <p>Role of nurse midwifery practitioner</p> <ul style="list-style-type: none"> •Alternative/complementary therapies

Units	Hours	Content
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	Pharmaco dynamics 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

Units	Hours	Content
IX	5	Infertility Primary and secondary causes Diagnostic procedures Counseling: ethical and legal aspects of assisted reproductive technology(ART) Recent advancement in infertility management. Adoption procedures Role of nurses in infertility management.
X	5	Menopause Physiological, psychological and social aspects Hormone Replacement Therapy Surgical menopause Counseling and guidance Role of midwifery nurse practitioner
XI	5	Abortion Types, causes Legislations, Clinical rights and professional responsibility Abortion procedures Complications Nursing management Role of midwifery nurse practitioner

Practical

Total = 750 Hours
1 week = 30 Hours

S.No.	Dept./Unit	No. of Week	Total Hours
1	Antenatal Wards & OPDs	5	150
2	Labour Room	6	180
3	Postnatal Ward	2	60
4	Family Planning Clinics/Ward	2	60
5	PHC/Rural maternity settings	4	120
6	Gynaec OP/Ward	3	90
7	Maternity OT	2	60
8	NICU	1	30
	Total	25 Weeks	750Hours

Procedures observed

- Diagnostic investigations : amniocentesis, chordocentecis, 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

- | | |
|-------------------|---|
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| Pillitteri A | Maternal & Child Health Nursing 6Ed: Care Of The
Childbearing & Childrearing Family 1e |
| 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 1e |
| 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 life style 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

Unit	Hours	Content
I	10	Introduction Historical development of Community Health and Community health Nursing-World and India, various health and family welfare committees * Current status, trends and challenges of Community Health Nursing * Health status of the Community-community diagnosis * Scope of Community health Nursing practice * Ethical and legal concepts and issues in community health nursing. * Public Health legislation – eg THE DRUG ACT COPRA, STATE PUBLIC HEALTH ACT, MUNICIPAL ACT, ENVIRONMENTAL ACT.. * Socio-cultural issues in Community health Nursing * National Policies, plans and programmes <ul style="list-style-type: none"> •National health policy •National Population policy •National Health and welfare Programmes • National Health goals/ indicators/ Millennium developmental goals(MDG)/ Strategies •Planning process: Five year plans •National Rural Health Mission
	10	Health Concepts, issues Determinants Measurements Alternate systems for health promotion and management of health problems Health economics Health technology Genetics and health Waste disposal Eco system
III	15	Population dynamics and control Demography Transition and theories of population National population policy National population programmes Population control and related programmes Methods of family limiting and spacing Research, Census, National Family Health Survey

Unit	Hours	Content
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 Folk media

Unit	Hours	Content
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
		%o Health agencies: NGO's, Roles and functions %o Inter-sectoral coordination %o Public private partnership %o Challenges of health care delivery system

Practical

Total = 750 Hours
1 Week = 30 Hours

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

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:

A Theory

Term Test: 30
Assignment: 20

B Practical

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

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

Course Content

Units	Hours	Content
I	15	Introduction Mental Health and Mental Illness Historical perspectives Trends, issues and magnitude Contemporary practices Mental health laws/Acts National mental health program -National mental health authority, state mental health authority Human rights of mentally ill Mental Health/ Mental Illness Continuum Classification of mental illnesses-ICD, DSM Standards of Psychiatric nursing Challenges and Scope of psychiatric nursing Multi-disciplinary team and role of nurse Role of psychiatric nurse- extended and expanded
II	10	Concepts of Psychobiology The Nervous System: •An Anatomical Review •The Brain and limbic system •Nerve Tissue •Autonomic Nervous system •Neurotransmitters Neuroendocrinology •Pituitary, Thyroid Gland •Circadian Rhythms Genetics Neuro psychiatric disorders Psycho-immunology •Normal Immune response •Implications for psychiatric Illness Implications for Nursing
III	10	Theories of Personality Development and relevance to nursing practice Psychoanalytic Theory- Freud's Interpersonal Theory-Sullivan's Theory of Psychosocial Development-Erikson's Theory of object relations Cognitive Development Theory Theory of Moral Development A Nursing Model-Hildegard E.Peplau

Units	Hours	Content
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 <ul style="list-style-type: none"> •(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 Role of The Nurse

Units	Hours	Content
VIII	5	Women and Mental Health <ul style="list-style-type: none"> •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 <ul style="list-style-type: none"> •Anti anxiety Agents •Antidepressants Agents •Mood stabilizers •Anti psychotics
XIII	15	Alternative systems of medicine in mental health Types of Therapies <ul style="list-style-type: none"> •Herbal Medicine •Unani •Siddha •Homeopathic •Acupressure and Acupuncture

Practical

Total = 750 Hours
1 Week = 30 Hours

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

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

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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 100Hours
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.

Content Outline

Unit	Hours		Course Content
	Theory	Practical	
I	10		Introduction: Methods of acquiring knowledge – problem solving and scientific method. Research – Definition, characteristics, purposes, kinds of research Historical Evolution of research in nursing Basic research terms Scope of nursing research: areas, problems in nursing, health and social research Concept of evidence based practice Ethics in research Overview of Research process
II	5	5	Review of Literature Importance, purposes, sources, criteria for selection of resources and steps in reviewing literature.
III	12	10	Research Approaches and designs Type: Quantitative and Qualitative Historical, survey and experimental –Characteristics, types advantages and disadvantages Qualitative: Phenomenology, grounded theory, ethnography
IV	10	5	Research problem: Identification of research problem Formulation of problem statement and research objectives Definition of terms Assumptions and delimitations Identification of variables Hypothesis – definition, formulation and types.
V	5	15	Developing theoretical/conceptual framework. Theories: Nature, characteristics, Purpose and uses Using, testing and developing conceptual framework, models and theories.

Unit	Hours		Course Content
	Theory	Practical	
VI	6		Sampling Population and sample Factors influencing sampling Sampling techniques Sample size Probability and sampling error Problems of sampling
VII	20	20	Tools and methods of Data collection: Concepts of data collection Data sources, methods/techniques quantitative Tools for data collection – types, characteristics and their development Validity and reliability of tools Procedure for data collection
VIII	5		Implementing research plan Pilot Study, review research plan (design)., planning for data collection, administration of tool/interventions, collection of data
IX	10	20	Analysis and interpretation of data Plan for data analysis: quantitative and qualitative Preparing data for computer analysis and presentation. Statistical analysis Interpretation of data Conclusion and generalizations Summary and discussion
X	10		Reporting and utilizing research findings: Communication of research results; oral and written Writing research report purposes, methods and style- vancouver, American Psychological Association(APA), Campbell etc Writing scientific articles for publication: purposes & style
XI	3	13	Critical analysis of research reports and articles
XII	4	12	Developing and presenting a research proposal

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

	<i>Weightage (25 marks)</i>
<i>Term Test(2 tests)</i>	<i>10</i>
<i>Assignment/presentation</i>	<i>10</i>
<i>project</i>	<i>5</i>
<i>Total</i>	<i>25</i>

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.
6. Describe vital health statistics and their use in health related research.
7. Use statistical packages for data analysis

Unit	Hours		Course Content
	Theory	Practical	
I	7	4	Introduction: 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.
II	4	4	Measures of central tendency: Mean, Median, Mode
III	4	5	Measures of variability; Range, Percentiles, average deviation, quartile deviation, standard deviation
IV	3	2	Normal Distribution: Probability, characteristics and application of normal probability curve; sampling error.
V	6	8	Measures of relationship: Correlation – need and meaning Rank order correlation; Scatter diagram method Product moment correlation Simple linear regression analysis and prediction.
VI	5	2	Designs and meaning: Experimental designs Comparison in pairs, randomized block design, Latin squares.
VII	8	10	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
VIII	5	5	Use of statistical methods in psychology and education: Scaling – Z Score, Z Scaling Standard Score and T Score Reliability of test Scores: test-retest method, parallel forms, split half method.

Unit	Hours		Course Content
	Theory	Practical	
IX	4	2	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

Nursing Research & Statistics

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
- 2.) Jagadeesh – Bio Medical Research, 2009, WoltersKluwer.
- 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.
1. 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

Unit	Hours	Content
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)

Unit	Hours	Content
		<p>% Disaster management: plan, resources, drill, etc</p> <p>Application to nursing service and education</p>
V	15	<p>Human Resource for health</p> <p>Staffing</p> <ul style="list-style-type: none"> • Philosophy • Norms: Staff inspection unit(SIU), Baja Committee, High power committee, Indian nursing council (INC) • Estimation of nursing staff requirement- activity analysis • Various research studies <p>Recruitment: credentialing, selection, placement, promotion</p> <p>Retention</p> <p>Personnel policies</p> <p>Termination</p> <p>Staff development programme</p> <p>Duties and responsibilities of various category of nursing personnel</p> <p>Applications to nursing service and education</p>
VI	15	<p>Directing</p> <p>Roles and functions</p> <p>Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories</p> <p>Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations</p> <p>Delegation; common delegation errors</p> <p>Managing conflict: process, management, negotiation, consensus</p> <p>Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager</p> <p>Occupational health and safety</p> <p>Application to nursing service and education</p>
VII	10	<p>Material management</p> <p>Concepts, principles and procedures</p> <p>Planning and procurement procedures : Specifications</p> <p>ABC analysis,</p> <p>VED (very important and essential daily use) analysis</p> <p>Planning equipments and supplies for nursing care: unit and hospital</p> <p>Inventory control</p> <p>Condemnation</p> <p>Application to nursing service and education</p>

Unit	Hours	Content
VIII	15	Controlling Quality assurance – Continuous Quality Improvement <ul style="list-style-type: none"> •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

Unit	Hours	Content
XI	10	Leadership Concepts, Types, Theories Styles Manager behaviour Leader behaviour Effective leader: Characteristics, skills Group dynamics Power and politics lobbying Critical thinking and decision making Stress management Applications to nursing service and education
XII	10	Legal and ethical issues Laws and ethics Ethical committee Code of ethics and professional conduct Legal system: Types of law, tort law, and liabilities Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character Patient care issues, management issues, employment issues Medico legal issues Nursing regulatory mechanisms: licensure, renewal, accreditation Patients rights, Consumer protection act(CPA) Rights of special groups: children, women, HIV, handicap, aging Professional responsibility and accountability Infection control Standard safety measures

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

A Theory

Term Test: 30

Research Project/ Assignment: 20

Nursing Management

Recommended Books:

- 1.) Barrett – Ward Management and Teaching, 1995, Konark Publishing.
- 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 Cardio vascular and Thoracic Nurse practitioner/specialist. It will further enable the student to function as educator, manager and researcher in the field of cardio vascular and thoracic nursing.

Objectives

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

1. Appreciate trends and issues related to cardio vascular and thoracic Nursing.
2. Describe the epidemiology, etiology, psychophysiology and diagnostic assessment of cardio vascular and thoracic conditions
3. Participate in national health programs for health promotion, prevention and rehabilitation of patients with cardio vascular 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 cardio vascular and thoracic conditions
7. Demonstrate advance skills/competence in managing patients with cardio vascular and thoracic conditions including Advance Cardiac Life Support.
8. Describe the various drugs used in cardio vascular and thoracic conditions and nurses responsibility
9. Demonstrate skill in handling various equipments/gadgets used for critical care of cardio vascular 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 cardio vascular 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 cardio vascular 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.
19. Design a layout of ICCU and ICTU and develop standards for cardio vascular and thoracic nursing practice.

Content Outline

Unit	Hours	Content
I	5	Introduction Historical development, trends and issues in the field of cardiology. Cardio vascular and thoracic conditions – major health problem. Concepts, principles and nursing perspectives Ethical and legal issues Evidence based nursing and its application in cardio vascular 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 cardio vascular and thoracic conditions Alternate system of medicine Complementary therapies
III	5	Review of anatomy and physiology of cardio vascular and respiratory system Review of anatomy and physiology of heart, lung, thoracic cavity and blood vessels. Embryology of heart and lung. 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 <ul style="list-style-type: none"> • Heart rate variability: Mechanisms , measurements, pattern, factors, impact of interventions on HRV Diagnostic tests <ul style="list-style-type: none"> • Hemodynamic monitoring: Technical aspects, monitoring, functional hemodynamic indices, ventricular

Unit	Hours	Content
		<p>output measurements (Arterial and swan Ganz monitoring). Blood gases and its significance, oxygen supply and demand</p> <ul style="list-style-type: none"> • Radiologic examination of the chest: interpretation, chest film findings • Electro cardiography(ECG) : electrical conduction through the heart, basic electrocardiography, 12 lead electrocardiogram, axis determination <ul style="list-style-type: none"> - ECG changes in: intra ventricular conduction abnormalities- Arrhythmias, ischemia, injury and infarction, atrial and ventricular enlargement, electrolyte imbalance, • Electrocardiography: technical aspects, special • Nuclear and other imaging studies of the heart: Magnetic Resonance Imaging. • Cardio electro physiology procedures: diagnostic studies, interventional and catheter ablation, nursing care • Exercise testing: indications and objectives, • Cardiac catheterization: indications, contraindications, patient preparation, procedure, interpretation of data • Pulmonary function test: Bronchoscopy and graphies • Interpretation of diagnostic measures • Nurse's role in diagnostic tests <p>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</p>

Unit	Hours	Content
V	25	<p>Cardiac disorders and nursing management: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of:</p> <ul style="list-style-type: none"> • 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 <p>Associated illnesses</p>
VI	10	<p>Altered pulmonary conditions Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of:</p> <ul style="list-style-type: none"> • 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 • Pulmonary Hypertension

Unit	Hours	Content
VII	10	Vascular disorders and nursing management Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: <ul style="list-style-type: none"> • 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.

Unit	Hours	Content
X	10	Congenital Heart Diseases, Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: <ul style="list-style-type: none"> • Embryo logical 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 <ul style="list-style-type: none"> • 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.

Unit	Hours	Content
		<ul style="list-style-type: none"> Antilipemics Principles of drug administration, role and responsibilities of nurses and care of drugs
XII	20	<p>Nursing Care of patient undergoing cardio thoracic surgery</p> <p>Indications, selection of patient</p> <p>Preoperative assessment and preparation; counseling.</p> <p>Intraoperative care: Principles of open heart surgery, equipment, anaesthesia, cardiopulmonary by pass.</p> <p>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.</p> <p>Thoracic surgery: lobectomy, pneumonectomy, tumour excision etc</p> <p>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.</p> <p>Chest physiotherapy</p> <p>Nursing interventions- life style modification, complementary therapy/alternative systems of medicine.</p> <p>Intermediate and late post operative care after CABG, valve surgery, others.</p> <p>Follow up care</p>
XIII	5	<p>Cardiac rehabilitation</p> <p>Process</p> <p>Physical evaluation</p> <p>Life style modification</p> <p>Physical conditioning for cardiovascular efficiency through exercise</p> <p>Counseling</p> <p>Follow up care</p>
XIV	5	<p>Intensive Coronary Care Unit/intensive cardio thoracic unit:</p> <p>Quality assurance</p> <ul style="list-style-type: none"> •Standards, Protocols, Policies, Procedures •Infection control; Standard safety measures •Nursing audit •Design of ICCU/ICTU •Staffing; cardiac team •Burn out syndrome <p>Nurse's role in the management of I.C.C.U and ICTU.</p> <p>Mobile coronary care unit.</p> <p>Planning in service educational programme and teaching</p>

Practicals

Total – 1050 Hours
1 Weeks = 30 Hours

S.No.	Dept/ Unit	No. of Week	Total Hours
1	Cardio thoracic -Medical	4	120 Hours
	-Surgical	4	120 Hours
2.	OTs (Cardiac and thoracic)	5	150 Hours
3.	Casualty	2	60 Hours
4.	Diagnostic labs including cath lab	2	60 Hours
5.	ICCU	5	150 Hours
6.	ICU	4	120 Hours
7.	CCU	5	150 Hours
8.	Pediatric Intensive	2	60 Hours
9.	OPD	2	60 Hours
	Total	35 Weeks	1050 Hours

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

I. 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
thrombophlebetes
23. Identification of Homans signs
24. Buerger – Allen exercises

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

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
- 25.) Gulanick – Nursing care Plans,2008,Elsevier
- 26.) Carpenito – Nursing Care Plans & Documentation,2009.LWW
- 27.) Carlpenito – 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
3. 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

Unit	Hours	Content
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:- <ul style="list-style-type: none"> • 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 teaching 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

Unit	Hours	Content
V	5	Infection control in intensive care unit Nosocomial infection in intensive care unit; methyl resistant staphylococcus aureus (MRSA), Disinfection, Sterilization, Standard safety measures, Prophylaxis for staff
VI	10	Gastrointestinal System Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Gastrointestinal Bleeding, Abdominal injury, Hepatic Disorders:-Fulminant hepatic failure, Hepatic encephalopathy, Acute Pancreatitis, Acute intestinal obstruction, perforative peritonitis
VII	10	Renal System 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 Management Modalities: Hemodialysis, Peritoneal Dialysis, Continuous Ambulatory Peritoneal Dialysis, Continuous arterio venous hemodialysis, Renal Transplant,
VIII	10	Nervous System Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Common Neurological Disorders:-Cerebrovascular disease, Cerebrovascular accident, Seizure disorders, GuilleinBarre-Syndrome, Myasthenia Gravis, Coma, Persistent vegetative state, Encephalopathy, Head injury, Spinal Cord injury Management Modalities: Assessment of Intracranial pressure, Management of intracranial hypertension, Craniotomy Problems associated with neurological disorders: Thermo regulation, Unconsciousness, Herniation syndrome
IX	5	Endocrine System 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)

Unit	Hours	Content
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)
		Ophthalmic: Eye injuries, Glaucoma, retinal detachment Ear Nose Throat: Foreign bodies, stridor, bleeding, quincy, acute allergic conditions Psychiatric emergencies;, suicide, crisis intervention
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 fibrillations, Cardiac surgeries, Coronary Artery Bypass Grafts (CABG/MICAS), Valvular surgeries, Heart Transplantation, Autologous blood transfusion, Radio frequency Catheter Ablation

Unit	Hours	Content
XII	15	Respiratory System Acid-base balance & imbalance Assesment : 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, Peurperal sepsis, Obstetrical shock

Unit	Hours	Content
XV	10	<p>Neonatal Paediatric emergencies Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis , Management: medical, surgical and Nursing management of</p> <ul style="list-style-type: none"> • Neonatal emergencies <p>Asphyxia Neonatarum, Pathological Jaundice in Neonates, Neonatal seizures, Metabolic disorders, Intra cranial Hemorrhage, Neonatal Sepsis, RDS/HMD (Respiratory Distress Syndrome/Hyaline Membrane Disease), Congenital disorders:-</p> <ul style="list-style-type: none"> • Cyanotic heart disease, tracheo oesophageal fistula, congenital hypertrophic pyloric stenosis, imperforate anus • Pediatric emergencies <p>Dehydration, Acute broncho pneumonia, Acute respiratory distress syndrome, Poisoning, Foreign bodies, seizures, traumas, Status asthmaticus</p>
XVI	2	<p>Legal and ethical issues in critical care-Nurse's role Brain death Organ donation & Counselling Do Not Resuscitate(DNR) Euthanasia Living will</p>
XVII	2	<p>Quality assurance Standards, Protocols, Policies, Procedures Infection control; Standard safety measures Nursing audit Staffing Design of ICU/CCU</p>

Practical

Total = 1050 Hours
1 Week = 30 Hours

S.No.	Dept./Unit	No. of Week	Total Hours
3	Burns ICU	3	90 Hours
5	Medical ICU	9	270 Hours
6	Surgical ICU	12	360 Hours
9	CCU	2	60 Hours
10	Emergency Department	4	120 Hours
12	Dialysis Unit	1	30 Hours
13	Transplant Room	2	60 Hours
14	Paediatric/ NICU	2	60 Hours
	Total	35 Weeks	1050Hours

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
7. Nutritional needs – gastrostomy feeds, pharyngeal feeds, jejunostomy feeds, TPN, formula preparation & patient education.
8. Assessment of patient for alteration in blood sugar levels monitoring blood sugar levels periodically & administering insulin periodically.
9. Administration of drugs: IM, IV injection, IV cannulation & fixation of infusion pump, calculation of dosages, use of insulin syringes/ tuberculin, monitoring fluid therapy, blood administration.
10. Setting up dialysis machine and starting, monitoring and closing dialysis
11. Procedures for prevention of infections:
 - Hand washing, disinfection & sterilization surveillance,
12. Collection of specimen.
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.

Content outline

Unit	Hours.	Content
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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Blood investigation: Haemetological, 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

Unit	Hours.	Content
V	10	<p>Levels of prevention and care</p> <p>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.</p>

Unit	Hours.	Content
VI	25	<p>Cancer Treatment Modalities and Nurse's Role</p> <p><i>Surgery</i></p> <ul style="list-style-type: none"> •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 <p><i>Chemotherapy</i></p> <ul style="list-style-type: none"> •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 <p><i>Radiation Therapy</i></p> <ul style="list-style-type: none"> •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)

Unit	Hours.	Content
		<p><i>Bone Marrow Transplantation /Stem Cell Transplantation</i></p> <ul style="list-style-type: none"> • 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 <p><i>Immunotherapy (Biotherapy)</i></p> <ul style="list-style-type: none"> •Concepts and principles •Classification of agents •Treatment and applications <p><i>Gene Therapy</i></p> <ul style="list-style-type: none"> •Current Concepts and practices <p><i>Alternative and Complementary Therapies</i></p> <ul style="list-style-type: none"> •Current practices
VII	10	<p>Pain management:- Theories, types and</p> <ul style="list-style-type: none"> •Nature of cancer pain •Pathophysiology of pain •Pain threshold <p>Assessment of pain</p> <ul style="list-style-type: none"> •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 <p>Non- Pharmacological pain relief technique-</p> <ul style="list-style-type: none"> • Complementary therapies(Music, massage, meditation, relaxation techniques, biofeedback back etc) •Psychological intervention in pain control •Alternative system of medicines <p>Role of nurse</p>

Unit	Hours.	Content
VIII	5	Palliative care Definition and scope, philosophy Concept and elements of palliative care Global and Indian perspective of palliative care Quality of life issues Communication skill Nursing perspective of palliative care and its elements Home care Hospice care Role of nurse in palliative care
IX	2	Infection control: <ul style="list-style-type: none"> • Process of infection, risk of hospitalization, nosocomial infections- prevention and control of infection in acute, long term care facility and community based care • Standard safety measures
X	30	Nursing Care of Patients With Specific Malignant Disorders Malignancies of G.I. system-oral, oesophagus, stomach, rectal, liver & pancreas, care of ostomies/stoma Respiratory malignancies Genito urinary system malignancies- prostate Bladder, renal testicular malignancies, Gynecological malignancies-cervix, uterus, ovary Hematological malignancies-Lymphomas, Leukemias. Malignancies of musculoskeletal system Endocrine malignancies Skin Head and Neck -brain tumors Other malignancies – Breast cancer, AIDS related Malignancies (Kaposi's Sarcoma)
XI	10	Paediatric malignancies Leukemia, Lymphoma, Neuro- blastoma Wilm's tumor, Soft tissue sarcoma, Retinoblastoma Nursing Management of children with Paediatric Malignancies

Unit	Hours.	Content
XII	15	<p>Nursing Management of Physiological Conditions and Symptoms Of Cancer Patient</p> <p>Nutrition:- effects of cancer on nutritional status and its consequences:-Anemia, electrolyte imbalances, taste alterations</p> <p>Impaired mobility: Decubitus ulcer, pathologic fractures, thrombophlebitis, pulmonary embolism, contractures, footdrop</p> <p>Other symptoms</p> <p>Dyspepsia & hiccup, dyspnoea intestinal obstruction, Fungating wounds Anxiety & depression, insomnia Lymph edema</p> <p>Impact of cancer on sexuality:</p> <p>Effects of radiotherapy/ chemotherapy/surgery on sexuality of the cancer patient Nursing management of cancer patients experiencing sexual dysfunction Sexual counseling</p>
XIII	10	<p>Cancer Emergencies</p> <p>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</p>

Unit	Hours.	Content
XIV	8	<p>Psycho-Social Aspects of Nursing Care Psychological responses of patients with cancer Psychosocial assessment – Crisis intervention, coping mechanisms Stress management, spiritual/cultural care and needs Counseling: individual and family Maximizing quality of life of patient and family</p> <p>Ethical, moral and legal issues- End of life care Grief and grieving process Bereavement support Care of Nurses who care for the dying.</p>
XV	2	<p>Layout and Design of an oncology institution/ ward,OPD, chemotherapy unit, Bone marrow transplantation unit, Pain clinic etc Practice Standards of oncology nursing •Policies and Procedures Establishing Standing orders and Protocols</p> <p>Quality Assurance Programme in oncology units Nursing audit</p>

Clinical Experience

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

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
- 3.Radiotherapy – Brachytherapy – Low Density Radiation, High Density Radiation.
- 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

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

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

Unit	Hours	Content
I	5	Introduction Introduction to neuroscience(neurological and neurosurgical) nursing <ul style="list-style-type: none"> • History-Development in neurological and neurosurgical nursing, Service & education • Emerging trends and issues in neurology and neuro surgery 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

Unit	Hours	Content
IV	15	<p>Assessment and diagnostic measures</p> <p>Assessment</p> <ul style="list-style-type: none"> • History taking • Physical assessment, psychosocial assessment • Neurological assessments, Glasgow coma scale interpretation & its relevance to nursing. • Common assessment abnormalities <p>Diagnostic measures</p> <ul style="list-style-type: none"> • 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. • Electorgraphic studies- Electro encephalo graphy, 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. <p>Interpretation of diagnostic measures Nurse's role in diagnostic tests</p>
V	5	<p>Meeting Nutritional needs of neurological patients</p> <p>Basic nutritional requirements</p> <p>Metabolic changes following injury and starvation</p> <p>Nutritional assessment</p> <p>Common neurological problems that interfere with nutrition and strategies for meeting their nutritional needs</p> <p>Special metabolic and electrolyte imbalances</p> <p>Chronic fatigue syndrome</p>
VI	5	<p>Drugs used in neurological and neurosurgical disorders</p> <p>Classification</p> <p>Indications, contraindications, actions and effects, toxic effects</p> <p>Role of nurse</p>

Unit	Hours	Content
VII	10	Traumatic conditions. Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> •Cranio cerebral injuries. •Spinal & Spinal cord injuries. •Peripheral nerve injuries. •Unconsciousness
VIII	10	Cerebro vascular disorders. pathophysiology, Clinical types, Clinical features,diagnosis, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> •Stroke & arterio venous thrombosis. •Haemorrhagic embolus. •Cerebro vascular accidents. •Intracranial aneurysm. •Subarchnoid Haemorrhage. •Arterio venous fistula. •Brain tumors Diseases of cranial nerves; Trigeminal neuralgia, Facial palsy, Bulbar palsy.
IX	10	Degenerating and desalinating disorders Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Motor neuron diseases. • Movement disorders- Tics, dystopia, chorea, Wilson's disease, essential tremors • Dementia. • Parkinson's disease. • Multiple sclerosis. • Alzheimer's

Unit	Hours	Content
X	10	Neuro infections Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of Neuro infections <ul style="list-style-type: none"> • Meningitis-types • Encephalitis. • Poliomyelitis. • Parasitic infections. • Bacterial infections • Neurosyphilis. • HIV & AIDS. • Brain abscess.
XI	10	Paroxysmal disorders. Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Epilepsy and seizures. • Status epilepticus. • Syncope. • Menier's syndrome. • Cephalgia.
XII	10	Developmental disorders. Causes, pathophysiology, Clinical types, Clinical features,diagnostic, Prognosis Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Hydrocephalus. • Craniosynostosis. • spina bifida- Meningocele, Meningomyelocele encephalocele • syringomyelia. • Cerebro vascular system anomalies. • Cerebral palsies. • Down's syndrome
XIII	10	Neuro muscular disorders. Causes, pathophysiology, Clinical types, Clinical features,diagnostic, Prognosis, Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Polyneuritis – G B Syndrome.s • Muscular dystrophy. • Myasthenia gravis. • Trigeminal neuralgia. • Bell's palsy. • Menier's disease • Carpal tunnel syndrome • Peripheral neuropathies

Unit	Hours	Content
XIV	5	Neoplasms – surgical conditions. Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis , Nursing management of <ul style="list-style-type: none"> • Space occupying lesions -types • Common tumors of CNS,
XV	5	Other disorders Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of Metabolic disorders- diabetes, insipidus, metabolic encephalopathy Sleep disorders Autoimmune disorders-multiple sclerosis inflammatory myopathies
XVI	10	Neuro emergencies Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Increased intra cranial pressure • Unconscious • Herniation syndrome • Seizures • Severe head injuries • Spinal injuries • Cerebro vascular accidents
XVII	5	Rehabilitation. Concept and Principles of Rehabilitation. Factors affecting quality of life and coping Rehabilitation in acute care setting, and following stroke, head injury and degenerative disorders of brain Physiotherapy. Counselling Care giver's role Speech & Language.-Neurogenic communication disorders, Speech therapy
XVIII	5	Ethical and legal issues in neuroscience nursing Brain death and organ transplantation Euthanasia Negligence and malpractice Nosocomial infections

Unit	Hours	Content
XIX	5	Quality assurance in neurological nursing practice Role of advance practitioner in neurological nursing Professional practice standards Quality control in neurologic nursing Nursing audit Neuro ICU <ul style="list-style-type: none"> • 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

Practical

Total = 1050 Hours

1 Week = 30 Hours

S.No.	AREA OF POSTING	No. of Week	Total Hours
1	O.P.D.	2	60
2	Casualty	2	60
3	Diagnostics	2	60
4	Neuro psychiatry	1	30
5	Neuro Medical wards	4	120
6	Paediatric Neuro ward	2	60
7	Neuro surgical wards	4	120
8	Head Injury ward	4	120
9	ICU- neuro medicine	5	150
10	I.C.U.- neuro surgical	5	150
11	Rehabilitation	2	60
12	Operation Theatre	2	60
	Total	35 Weeks	1050 Hours

ESSENTIAL NEURO NURSING SKILLS I.**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
9. Blood Administration.
10. Muscle strengthening exercises
11. Guidance and counseling
12. Monitoring – management and care of monitors.

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

Course Content

Unit	Hours	Content
I	5	<p>Introduction</p> <p>Historical development: trends and issues in the field of nephro and urological nursing.</p> <p>nephro and urological problems</p> <p>Concepts, principles and nursing perspectives</p> <p>Ethical and legal issues</p> <p>Evidence based nursing and its application in nephro and urological nursing(to be incorporated in all the units)</p>
II	5	<p>Epidemiology</p> <p>Major health problems- urinary dysfunction, urinary tract infections, Glomerular disorders, obstructive disorders and other urinary disorders</p> <p>Risk factors associated with nephro and urological conditions</p> <p>conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations</p> <p>Health promotion, disease prevention, life style modification and its implications to nursing</p> <p>Alternate system of medicine/complementary therapies</p>
III	5	<p>Review of anatomy and physiology of urinary system</p> <p>Embryology</p> <p>Structure and functions</p> <p>Renal circulation</p> <p>Physiology of urine formation</p> <p>Fluid and electrolyte balance</p> <p>Acid base balance</p> <p>Immunology specific to kidney</p>
IV	20	<p>Assessment and diagnostic measures</p> <p>History taking</p> <p>Physical assessment, psychosocial assessment</p> <p>Common assessment abnormalities-dysurea, frequency, enuresis, urgency, hesitancy, hematuria, pain, retention, burning on urination, pneumaturia, incontinence, nocturia, polyurea, anuria, oliguria,</p> <p>Diagnostic tests-urine studies, blood chemistry, radiological procedures-KUB, IVP, nephrotomogram, retrograde pyelogram, renal arteriogram, renal ultrasound, CT scan, MRI, cystogram, renal</p>

Unit	Hours	Content
		<p>scan, biopsy, endoscopy-cystoscopy, urodynamics studies- cystometrogram, urinary flow study, sphincter electromyography, voiding pressure flow study, videourodynamics, Whitaker study</p> <p>Interpretation of diagnostic measures</p> <p>Nurse's role in diagnostic tests</p>
V	5	<p>Renal immunopathy/Immunopathology</p> <p>General Concept of immunopathology</p> <p>Immune mechanism of glomerular vascular disease</p> <p>Role of mediator systems in glomerular vascular disease</p>
VI	15	<p>Urological Disorders and Nursing Management</p> <p>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</p> <p>Urinary tract infections-</p> <p>Urinary dysfunctions- urinary retention, urinary incontinence, urinary reflux, Bladder disorders- neoplasms, calculi, neurogenic bladder, trauma, congenital abnormalities</p> <p>Benign prostatic hypertrophy(BPH)</p> <p>Ureteral disorders: ureteritis, ureteral trauma, congenital anomalies of ureters</p> <p>Urethral disorders- tumours, trauma, congenital anomalies of ureters,</p>
VII	25	<p>Glomerular disorders and nursing management</p> <p>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of Glomerular nephritis- chronic, acute, nephritic syndrome</p> <p>Acute Renal failure and chronic renal failure.</p> <p>Renal calculi</p> <p>Renal tumours-benign and malignant</p> <p>Renal trauma</p> <p>Renal abscess</p> <p>Diabetic nephropathy</p> <p>Vascular disorders</p> <p>Renal tuberculosis</p> <p>Polycystic</p> <p>Congenital disorders</p> <p>Hereditary renal disorders</p>

Unit	Hours	Content
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 <ul style="list-style-type: none"> • 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, Urological, 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

Unit	Hours	Content
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 Etiology, clinical manifestations, diagnosis, prognosis, children with Renal Diseases -UTI, ureteral reflux, glomerulo nephritis, nephrotic syndrome infantile nephrosis, cystic kidneys, familial factors in renal diseases in childhood, Haemolytic uraemic

Unit	Hours	Content
		syndrome. Benign recurrent haematuria, nephropathy, tumour
XIV	5	<p>Critical care units- dialysis , KTP unit</p> <p>Philosophy, aims and objectives</p> <p>Policies, staffing pattern, design and physical plan of Dialysis and KTP units</p> <p>Team approach, functions</p> <p>Psychosocial aspects in relation to staff and clients of ICU, dialysis unit</p> <p>In-service education</p> <p>Ethical and legal issues</p>
XV	5	<p>Quality assurance in nephrological nursing practice</p> <p>Role of advance practitioner in nephrological nursing</p> <p>Professional practice standards</p> <p>Quality control in nephrological nursing</p> <p>Nursing audit</p>

Practicals

Total = 1 050 Hours
1 Week = 30 Hours

S. No.	Dept./ Unit	No. of Week	Total Hours
1	Nephrology Ward	6	180 Hours
2	Pediatrics	2	60 Hours
3	Critical Care Unit	3	90 Hours
4	Urology Ward	6	180 Hours
5	Dialysis Unit	5	150 Hours
6	Kidney Transplantation Unit	2	60 Hours
7	URO OT	3	90 Hours
8	Emergency Wards	2	60 Hours
9	Uro Nephro OPDs	4	120 Hours
10	Diagnostic Labs	2	60 Hours
	Total	35 Weeks	1050 Hours

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/cvp 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:
13. Hand washing, disinfection & sterilization surveillance, and fumigation universal precautions.
14. Collection of specimen.
15. Administration of drugs: IM, IV injection, IV cannulation & fixation of infusion pump, calculation of dosages, blood administration. monitoring -fluid therapy, electrolyte imbalance,
16. Nutritional needs , diet therapy & patient education.
17. 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 -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

Unit	Hours	Content
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 <i>Trauma & Injuries</i> Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of : <ul style="list-style-type: none"> •Early management of Trauma •Fractures •Injuries of the •Shoulder and arm •Elbow, fore arm, wrist, hand •Hip, thigh, knee, leg, ankle, foot •Spine

Unit	Hours	Content
		Head injury Chest injury <ul style="list-style-type: none"> •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 : <ul style="list-style-type: none"> •Tuberculosis •Osteomyelitis •Arthritis •Leprosy
VI	5	Bone Tumours Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of: <ul style="list-style-type: none"> •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 Low back disorder – Low back pain, PND, spinal stenosis, Spondylosis

Unit	Hours	Content
IX	5	Nutritional/Metabolic and Endocrine Disorders Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of: <ul style="list-style-type: none"> •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: <ul style="list-style-type: none"> •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: <ul style="list-style-type: none"> •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

Unit	Hours	Content
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, wheel chair, 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

Unit	Hours	Content
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, Mental rehabilitation and Multiple disabilities act 1992, 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.
2. Application of tractions and plaster casts and removal of tractions and plaster casts and other appliances.
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

Total = 1050 Hours

1 Week = 30 Hours

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

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.
6. Injection – Intra articular, intra osseous.
7. Advance Life Support

Peocedures 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.
12. Administration of drugs: IV injection, IV cannulation, and Blood transfusion.
13. Procedures for prevention of infections: disinfection and sterilization, surveillance, fumigation.
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)

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 - GASTRO ENTEROLOGY NURSING

Course Description

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

Objectives

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

1. Appreciate trends and issues related to gastro enterology 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 & 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 Gastro enterology intensive care unit (GEICU) , liver care/transplant unit

Course Content

Unit	Hours	Content
I	5	Introduction Historical development: trends and issues in the field of gastro enterology. Gastroenterological 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 gastro enterology 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 <ul style="list-style-type: none"> •Radiological studies:Upper GIT- barium swallow, lower GIT- Barium enema, •Ultra sound: •Computed tomography •MRI •Cholangiography: Percutaneous transhepatic Cholangiogram(PTC) •Magnetic Resonance Cholangio pancreatography (MRCP) •Nuclear imaging scans(scintigraphy) •Endoscopy

Unit	Hours	Content
		<ul style="list-style-type: none"> •Colonoscopy •Proctosigmoidoscopy •Endoscopic Retrograde Cholangio pancreatography (ERCP) •Endoscopic ultrasound •Peritonoscopy(Laproscopy) •Gastric emptying studies •Blood chemistries: Serum amylase, serum lipase •Liver biopsy •Miscellaneous tests:Gastric analysis, fecal analysis •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 <p>Interpretation of diagnostic measures</p> <p>Nurse's role in diagnostic tests</p>

V	25	<p>Gastro intestinal disorders and nursing management</p> <p>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of</p> <ul style="list-style-type: none"> 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 Disorders of the oesophagus: Reflux oesophagitis, Oesophageal achalasia, Oesophageal varices, Hiatus hernia, Diverticulum 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 Disorders of the small intestine <ul style="list-style-type: none"> Malabsorption syndrome – tropical sprue Gluten – sensitive enteropathy (Coeliac disease) <ul style="list-style-type: none"> Inflammatory diseases of intestines and abdomen,; appendicitis, Chronic inflammatory bowel disease, Ulcerative colites, crohn’s disease Infestations and infections – Worm infestations, Typhoid, Leptospirosis Solitary rectal ulcer syndrome <ul style="list-style-type: none"> Alteration in bowel elimination (diarrhoea, constipation, fecal impaction, fecal incontinence, Irritable bowel syndrome, Chronic <p>Anorectal Conditions: Hemorrhoids, Anal fissure, Anal fistula, Abscess, Strictures, Rectal prolapse, Pruritis ani, Pelonidal disease, Anal condylomas, Warts</p>
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Unit	Hours	Content
VI	15	<p>Disorder of liver, pancreas gall bladder and nursing management</p> <p>Disorders of liver biliary tract :</p> <p>Viral Hepatitis – A, B, C, D & E</p> <p>Toxic hepatitis</p> <ul style="list-style-type: none"> •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: <p>Cholecystitis</p> <p>Cholelithiasis</p> <p>Choledocholithiasis</p> <p>Disorders of the pancreas: Pancreatitis,</p> <p>Benign tumors of islet cells</p> <p>Disorders of the Peritoneum</p> <ul style="list-style-type: none"> •Infections of the peritoneum <p>Surgical peritonitis</p> <p>Spontaneous bacterial peritonitis</p> <p>Tuberculosis peritonitis</p> <p>Disorders of the Diaphragm</p> <ul style="list-style-type: none"> •Diaphragmatic hernia •Congenital hernias •Paralysis of diaphragm •Tumors of the diaphragm <p>Hiccups</p>
VII	15	<p>Gastro intestinal emergencies and nursing interventions</p> <p>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of:</p> <ul style="list-style-type: none"> •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

VIII	15	<p>Congenital Anomalies of Esophagus</p> <ul style="list-style-type: none"> •Esophageal atresia •Tracheo esophageal fistula
		<ul style="list-style-type: none"> •Esophageal stenosis sophageal duplications •Dysphagia – Lusoria – aberrant right subclavian artery compressing esophagus •Esophageal rings – schalzkiring •Esophageal webs <p>Congenital Anomalies of Stomach</p> <ul style="list-style-type: none"> •Gastric atresia •Micro gastia •Gastric diverticulum •Gastric duplication •Gastric teratoma •Gastric volvulus •Infantile hypertrophic pyloric stenosis •Adult hypertrophic pyloric stenosis <p>Congenital Anomalies of Duodenal</p> <ul style="list-style-type: none"> •Duodenal Atresia or stenosis •Annular pancreas •Duodenal duplication cysts •Malrotation and mid gut volvulus <p>Developmental anomalies of the intestine:</p> <ul style="list-style-type: none"> •Abdominal wall defects (omphalocele and Gastroschisis) •Meckel’s diverticulum •Intestinal atresia <p>Hirschsprung’s disease</p>

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 Anthelminthics 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: <ul style="list-style-type: none"> • 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, <ul style="list-style-type: none">• Clinical teaching programs
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Practicals

Total = 1050 Hours
1 Week = 30 Hours

S.No.	Dept./Unit	No. of Week	Total Hours
1	Diagnostic labs	2	60 Hours
2	Emergency and casualty	3	90 Hours
3	Liver transplant unit	1	30 Hours
4	GE Medical Ward	6	180 Hours
5	GE Surgical Ward	8	240 Hours
6	OT	3	90 Hours
7	ICU	5	150 Hours
8	Pediatric gastroenterology	2	60 Hours
9	Oncology	3	90 Hours
10	GE OPD	2	60 Hours
	Total	35 Weeks	1050 Hours

Procedures Assisted

1. Endoscopy room – Upper G.I. Endoscopy (Diagnostic and therapeutic).
2. Sigmoidoscopy
3. Colonoscopy
4. Polypectomy
5. Endoscopic retrograde cholangio pancreatography (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 1050hours

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

Course Content

Unit	Hours	Content
I	5	<p>Introduction</p> <p>Current principles, practices and trends in Pediatric Nursing</p> <p>Role of pediatric nurse in various settings -Expanded and extended</p>
II	35	<p>Pathophysiology, assessment(including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities and nursing intervention in selected pediatric medical disorders</p> <ul style="list-style-type: none"> • Child with respiratory disorders: <ul style="list-style-type: none"> - Upper respiratory tract: choanal atresia, tonsillitis, epistaxis, aspiration. - Lower respiratory tract: Broncheolitis, Bronchopneumonia, Asthma, cystic fibrosis • Child with gastro-intestinal disorders: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - Acquired: Rheumatic fever, Rheumatic heart disease, - Congenital: Cyanotic and acyanotic • 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, Rhabdomyosarcoma, retinoblastoma, hepatoblastoma, bone tumors • Child with blood disorders: Anemias, thalassemias, hemophilia, polycythemia, thrombocytopenia, and disseminated intravascular coagulation • Child with skin disorders • Common Eye and ENT

Unit	Hours	Content
III	35	<p>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</p> <ul style="list-style-type: none"> Gastrointestinal system: Cleft lip, cleft palate and conditions requiring plastic surgery, Tracheo esophageal fistula/atresia, Hirschsprungs' disease/megacolon, malrotation, intestinal obstruction, duodenal atresia,
		<p>gastrochisis, exomphalus, anorectal malformation, omphalocele, diaphragmatic hernia</p> <ul style="list-style-type: none"> 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 <p>Nursing management of the child with traumatic injuries: General principles of managing Pediatric trauma</p> <ul style="list-style-type: none"> 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	<p>Intensive care for pediatric clients</p> <p>Resuscitation, stabilization & monitoring of pediatric patients</p> <p>Anatomical & physiological basis of critical illness in infancy and childhood</p> <p>Care of child requiring long-term ventilation</p> <p>Nutritional needs of critically ill child</p> <p>Legal and ethical issues in pediatric intensive care</p> <p>Intensive care procedures, equipment and techniques</p> <p>Documentation</p>

Unit	Hours	Content
V	20	<p>High Risk Newborn</p> <p>Concept, goals, assessment, principles.</p> <p>Nursing management of</p> <ul style="list-style-type: none"> • 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, opthalmia 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	<p>Developmental disturbances and implications for nursing</p> <p>Adjustment reaction to school,</p> <p>Learning disabilities</p> <p>Habit disorders, speech disorders,</p> <p>Conduct disorders,</p> <p>Early infantile autism, Attention deficit hyperactive disorders (ADHD), depression and childhood schizophrenia.</p>
VII	10	<p>Challenged child and implications for nursing</p> <p>Physically challenged, causes, features, early detection & management</p> <p>Cerebral palsied child,</p> <p>Mentally challenged child.</p> <p>Training & rehabilitation of challenged children</p>
VIII	5	<p>Crisis and nursing intervention</p> <p>The hospitalized child,</p> <p>Terminal illness & death during childhood</p> <p>Nursing intervention-counseling</p>

Unit	Hours	Content
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:

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

*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 life threatening 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 s
- Procedures for prevention of infections: Hand v
- 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)

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

B Practical

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

Pediatric Nursing

Recommended Books:

- 1.) Kyle – Essentials of Pediatric Nursing, 2009, LWW
- 2.) Marlow – Textbook of Pediatric Nursing, 1996, Elsevier
- 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
- 5.) Nelson – Textbook of Pediatrics, 2007, Elsevier.
- 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
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

Unit	Hours	Content
I	25	<p>Management of problems of women during pregnancy</p> <p>‰ Risk approach of obstetrical nursing care , concept & goals.</p> <p>‰ Screening of high-risk pregnancy, newer modalities of diagnosis.</p> <p>‰ Nursing Management of Pregnancies at risk-due to obstetrical complication</p> <ul style="list-style-type: none"> • Pernicious Vomiting. • Bleeding in early pregnancy, abortion, ectopic pregnancy, and gestational trophoblastic diseases. • Hemorrhage during late pregnancy, ante partum hemorrhage, Placenta praevia, abruptio placenta. • Hypertensive disorders in pregnancy, pre-eclampsia, eclampsia, Hemolysis Elevated liver enzyme Low Platelet count (HELLP) • Iso-immune diseases. Rh and ABO incompatibility • Hematological problems in pregnancy. • Hydramnios-oligohydramnios • Prolonged pregnancy- post term, post maturity. • Multiple pregnancies. • Intra uterine infection & pain during pregnancy. • Intra Uterine Growth Retardation(IUGR), Premature Rupture of Membrane(PROM), intra uterine death
II	15	<p>Pregnancies at risk-due to pre-existing health problems</p> <p>Metabolic conditions.</p> <p>Anemia and nutritional deficiencies</p> <p>Hepatitis</p> <p>Cardio-vascular disease.</p> <p>Thyroid diseases.</p> <p>Epilepsy.</p> <p>Essential hypertension</p> <p>Chronic renal failure.</p> <p>Tropical diseases.</p> <p>Psychiatric disorders</p> <p>Infections Toxoplasmosis Rubella Cytomegalo virus Herpes (TORCH); Reproductive Tract Infection(RTI);STD; HIV/AIDS, Vaginal infections; Leprosy, Tuberculosis</p> <p>Other risk factors: Age- Adolescents, elderly; unwed mothers, sexual abuse, substance use</p> <p>Pregnancies complicating with tumors, uterine anomalies, prolapse, ovarian cyst</p>
III	15	<p>Abnormal labour, pre-term labour & obstetrical emergencies</p> <p>Etiology, pathophysiology and nursing management of</p> <ul style="list-style-type: none"> • Uncoordinated uterine actions, Atony of uterus, precipitate labour, prolonged labour. • Abnormal lie, presentation, position compound presentation.

		<ul style="list-style-type: none"> Contracted pelvis-CPD; dystocia. Obstetrical emergencies Obstetrical shock, vasa praevia, inversion of uterus, amniotic fluid embolism, rupture uterus, presentation and prolapse cord. Augmentation of labour. Medical and surgical induction. Version Manual removal of placenta. Obstetrical operation: Forceps delivery, Ventouse, Caesarian section, Destructive operations Genital tract injuries-Third degree perineal tear, VVF, RVF <p>Complications of third stage of labour:</p> <ul style="list-style-type: none"> Post partum Hemorrhage. Retained placenta.
IV	10	<p>post partum complications</p> <p>Nursing management of</p> <ul style="list-style-type: none"> Puerperal infections, puerperal sepsis, urinary complications, puerperal venous thrombosis and pulmonary embolism Sub involution of uterus, Breast conditions, Thrombophlebitis Psychological complications, post partum blues, depression, psychosis
V	25	<p>High Risk Newborn</p> <p>Concept, goals, assessment, principles.</p> <p>Nursing management of</p> <ul style="list-style-type: none"> Pre-term, small for gestational age, 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	15	<p>HIV/AIDS</p> <p>HIV positive mother and her baby</p> <p>Epidemiology</p> <p>Screening</p> <p>Parent to child transmission(PTCT)</p> <p>Prophylaxis for mother and baby</p> <p>Standard safety measures</p> <p>Counseling</p> <p>Breast feeding issues</p> <p>National policies and guidelines</p> <p>Issues: Legal,ethical, Psychosocial and rehabilitation</p> <p>Role of nurse</p>
VII	25	<p>Gynecological problems and nursing management</p> <p>Gynecological assessment</p> <p>Gynecological procedures</p> <p>Etiology, pathophysiology, diagnosis and nursing management of</p> <ul style="list-style-type: none"> • Menstrual irregularities • Diseases of genital tract • Genital tract infections • Uterine displacement • Genital prolapse • Genital injuries • Uterine malformation • Uterine fibroid, ovarian tumors, Breast carcinoma, Pelvic inflammatory diseases, reproductive tract malignancies, hysterectomy – vaginal and abdominal. • Sexual abuse, rape, trauma , assault
VIII	5	<p>Administration and management of obstetrical and gynaecological unit</p> <p>Design & layout</p> <p>Staffing,</p> <p>Equipment, supplies,</p> <p>Infection control; Standard safety measures</p> <p>Quality Assurance:-Obstetric auditing –records /reports,</p> <p>Norms, policies and protocols</p> <p>Practice standards for obstetrical and gynaecological unit</p>
IX	5	<p>Education and training in obstetrical and gynaecological care</p> <p>Staff orientation, training and development,</p> <p>In-service education program,</p> <p>Clinical teaching programs.</p>

Practicals

Total = 1050 Hours

1 Week = 30 Hours

S.No.	Deptt./ Unit	No. of Week	Total Hours
1	Antenatal OPD including Infertility clinics/Reproductive medicine, Family welfare and	6	180 Hours
2	Antenatal and Postnatal ward	6	180 Hours
3	Labour room	6	180 Hours
4	Neonatal Intensive Care Unit	3	90 Hours
5	Obstetric/Gynae Operation Theatre	4	120Hours
6	Gynae Ward	4	120 Hours
7	CHC, PHC, SC	6	180 Hours
	Total	35 Weeks	1050 Hours

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
- Assesment, 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 stake holders

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/Case Record : 10
Field/ Observational visit : 10

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 nu
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.

Content Outlines

Unit	Hours	Content
I	20	<p>Epidemiology</p> <p>Introduction</p> <ul style="list-style-type: none"> • Concept, scope, definition, trends, History and development of modern Epidemiology • Contribution of epidemiology • Implications <p>Epidemiological methods</p> <p>Measurement of Health and Diseases and Vital Statistics</p> <p>Health policies</p> <p>Epidemiological Investigations</p> <p>International Classification of Diseases</p> <p>Epidemiological approaches</p> <ul style="list-style-type: none"> • Study of disease causatives • Health promotion • Levels of prevention <p>Epidemiology of</p> <ul style="list-style-type: none"> • Communicable diseases • Non-communicable diseases <p>Emerging and re-emerging diseases Epidemics</p> <p>Medical Entomology</p> <p>National Integrated disease Surveillance Programme</p>

Unit	Hours	Content
Unit II	40	<p>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:</p> <ul style="list-style-type: none"> • 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 <p>- Health Schemes:</p> <ul style="list-style-type: none"> Å ESI Å CGHS Å Health Insurance
III	15	<p>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</p>

Unit	Hours	Content
IV	15	<p>International health</p> <p>Global burden of disease</p> <p>Global health rules to halt disease spread</p> <p>Global health priorities and programmes</p> <p>International quarantine</p> <p>Health tourism</p> <p>International cooperation and assistance</p> <p>International travel and trade</p> <p>Health and food legislation, laws, adulteration of food</p> <p>Disaster management</p> <p>Migration</p> <p>International health agencies –World Health organizations, World health assembly, UNICEF, UNFPA, SIDA, US AID, DANIDA, DFID. AusAID etc</p> <p>International health issues and problems</p> <p>International nursing practice standards</p> <p>International health vis-a vis national health</p> <p>International health days and their significance</p>
V	15	<p>Education and administration</p> <p>Quality assurance</p> <p>Standards, Protocols, Policies, Procedures</p> <p>Infection control; Standard safety measures</p> <p>Nursing audit</p> <p>Design of Sub-Centre/Primary Health Centre/ Community health center</p> <p>Staffing; Supervision and monitoring-</p> <p>Performance appraisal</p> <p>Budgeting</p> <p>Material management</p> <p>Role and responsibilities of different categories of personnel in community health</p> <p>Referral chain- community outreach services</p> <p>Transportation</p> <p>Public relations</p> <p>Planning in-service educational programme</p>

Unit	Hours	Content
		Training of various categories of health workers- preparation of manuals Community Organization
VI	10	Geriatric Concept, trends, problems and issues Aging process, and changes Theories of aging Health problems and needs Psycho-physiological stressors and disorders Myths and facts of aging Health assessment Home for aged-various agencies Rehabilitation of elderly Care of elderly Elderly abuse Training and supervision of care givers Government welfare measures Programmes for elderly- Role of NGOs Roles and responsibilities of Geriatric nurse in the community
VII	10	Rehabilitation Introduction: Concepts, principles, trends, issues, Rehabilitation team Models, Methods Community based rehabilitation Ethical issues Rehabilitation Council of India Disability and rehabilitation- Use of various prosthetic devices Psychosocial rehabilitation Rehabilitation of chronic diseases Restorative rehabilitation Vocational rehabilitation Role of voluntary organizations Guidance and counseling Welfare measures Role and responsibilities of community health nurse

Unit	Hours	Content
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 <ul style="list-style-type: none"> • Primary Prevention • Secondary prevention • Tertiary Prevention Community based rehabilitation Human rights of mentally ill Substance use Mentally challenged groups <ul style="list-style-type: none"> • 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 = 1050Hours
1 Week = 30 Hours

S.No.	Dept./Unit	No. of Week	Total Hours
1	Urban and Rural community	20	600Hours
2	School Health	3	90 Hours
3	International health	2	60 Hours
4	Administration(SC/PHC/CHC)	2	60 Hours
5	Occupational health	2	60 Hours
6	Communitary Mental Health	2	60 Hours
7	Home for aged and Hospice	2	60 Hours
8	Rehabilitation	2	60 Hours
	Total	35Weeks	1050Hours

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-addiction 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
Practicals

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

Object ives

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

Unit	Hours	Content
I	2	Principles and practice of Psychiatric nursing Review
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 <ul style="list-style-type: none"> • 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

Unit	Hours	Content
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 <ul style="list-style-type: none"> • Disorganized Schizophrenia • Catatonic Schizophrenia • Paranoid Schizophrenia • Undifferentiated Schizophrenia • Residual Schizophrenia Other Psychotic disorders <ul style="list-style-type: none"> • Schizoaffective Disorder • Brief Psychotic Disorder • Schizophreniform Disorder • Psychotic Disorder Due to a General Medical Condition • Substance-Induced Psychotic Disorder Treatment and Nursing Management

Unit	Hours	Content
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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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

Unit	Hours	Content
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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Paranoid Personality Disorder • Schizoid Personality Disorder • Antisocial Personality Disorder • Borderline Personality Disorder

Unit	Hours	Content
		<ul style="list-style-type: none"> • Histrionic Personality Disorder • Narcissitic Personality Disorder • Avoidance Personality Disorder • Dependent Personality Disorder • Obsessive-Compulsive Personality Disorder • Passive-Aggressive Personality Disorders <p>Identification, diagnostic, symptoms Psychopharmacology Treatment & Nursing Management</p>
XVIII	8	<p>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</p>
XIX	5	<p>The person living with HIV Disease Psychological problems of individual HIV/AIDS Counseling Treatment & Nursing Management</p>
XX	5	<p>Problems Related to Abuse or Neglect Vulnerable groups, Women, Children, elderly, psychiatric patients, under privileged, challenged Predisposing Factors Treatment & Nursing management- Counseling</p>

Unit	Hours	Content
XXI	7	<p>Community Mental Health Nursing</p> <p>National Mental Health Program- Community mental health program</p> <p>The Changing Focus of care</p> <p>The Public Health Model</p> <p>The Role of the Nurse</p> <p>Case Management</p> <p>The community as Client</p> <ul style="list-style-type: none"> • Primary Prevention • Populations at Risk • Secondary prevention • Tertiary Prevention <p>Community based rehabilitation</p>
XXII	5	<p>Ethical and Legal Issues in Psychiatric/Mental Health Nursing</p> <p>Ethical Considerations</p> <p>Legal Consideration</p> <ul style="list-style-type: none"> •Nurse Practice Acts •Types of Law •Classification within Statutory and Common Law •Legal Issues in Psychiatric/Mental Health Nursing •Nursing Liability
XXIII	5	<p>Psychosocial rehabilitation</p> <p>Principles of rehabilitation</p> <p>Disability assessment</p> <p>Day care centers</p> <p>Half way homes</p> <p>Reintegration into the community</p> <p>Training and support to care givers</p> <p>Sheltered workshops</p> <p>Correctional homes</p>
XXIV	5	<p>Counseling</p> <p>Liaison psychiatric nursing</p> <p>Terminal illnesses-Counseling</p> <p>Post partum psychosis-treatment, care and counseling</p> <p>Death dying- Counseling</p> <p>Treatment, care and counseling –</p> <ul style="list-style-type: none"> • Unwed mothers • HIV and AIDS

Unit	Hours	Content
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

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

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.
16. Occupational 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
- 4.) Kaplan – Kaplan & Sadock Concise Textbook of Clinical Psychiatry,2008,LWW
- 5.) Lalitha - Psychiatric Mental Health Nursing ,VMG Publishers

- 6.) Kaplan – Kaplan & Sadock Handbook of Clinical Psychiatry,2010,LWW
- 7.) Schltz – Lippincott's Manual of Psychiatric Nursing Care Plans,2009,LWW