PONDICHERRY UNIVERSITY

B.Sc. NURSING (4 YEARS PROGRAM)

SYLLABUS AND REGULATIONS

(2008 - 2009 ONWARDS)
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Philosophy

We believe 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 professional 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 and behavioural 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 behaviour among its practitioners to provide care with respect and dignity and protect the rights of individuals & 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 lifelong 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.
Aim

The aim of the undergraduate nursing program is to:

* Prepare graduates to assume responsibilities as professionals, competent nurses and midwives 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, functions 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 settings.

Objectives

On completion of four year BSc. Nursing Program the graduate will be able to:

1. Apply knowledge from physical, biological and behavioural sciences, medicine including alternative systems and nursing in providing nursing care to individuals, families and communities.
2. Demonstrate understanding of life styles and other factors, which affect health of individuals and groups.
3. Provide nursing care based on steps of nursing process in collaboration with individuals and groups.
4. Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
5. Utilize the latest trends and technology in providing health care.
6. Provide promotive, preventive and restorative health services in line with the National Health Policies and Programmes.
7. Practice within the frame work of code of ethics and professional conduct, and acceptable standards of practice within the legal boundaries.
8. Communicate effectively with individuals and groups, and members of the health team in order to promote effective inter personal relationship and team work.
9. Demonstrate skills in teaching to individuals and groups in clinical and community health settings.
10. Participate effectively as members of the health team in health care delivery system.
11. Demonstrate leadership and managerial skills in clinical / community health settings.
12. Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.
13. Demonstrate awareness, interest, and contribute towards advancement of self and of the profession.
Admission Requirements

1. The minimum age for admission shall be 17 years on or before 31st dec. of the year of admission.

2. The minimum educational requirements shall be the passing of:

   Higher Secondary school certificate Examination(12years course),
   Or
   Senior School certificate Examination (10+2), pre-degree Examination(10+2)
   Or

   An equivalent with 12 years schooling from a recognized board or university with science (Physics, Chemistry, Biology) with minimum 50% aggregate marks and English as a subject.

3. Candidate shall be Medically Fit.

Entrance/Selection test

Selection of the candidates should be based on the merit of the entrance examination held by university or competent authority or as per regulation of the University from time to time.

Duration

Duration of the course shall be four years including internship
Week available per year- 52 Weeks

Vacation

8 weeks vacation shall be given in each year.
Gazetted holidays-3 weeks

Examination(including preparation)- 4 weeks

Others

Remaining Available Weeks- 37 Weeks
Hours per week—40 hours
Hours available per academic year-1480(37weeks x 40 hours) (For 2 semesters)
PONDICHERY UNIVERSITY
Puducherry

REGULATIONS OF THE UNIVERSITY

I. SHORT TITLE AND COMMENCEMENT

These regulations shall be called “THE REGULATIONS FOR THE BACHELOR OF NURSING DEGREE COURSE OF PONDICHERY UNIVERSITY, Puducherry”.

They shall come into force from the academic year 2008-2009 session.

The regulation and syllabi are subject to modifications by the standing Under Graduate Board of Studies for Nursing course from time to time.

II. REGULATIONS

1. ELIGIBILITY FOR ADMISSION:

Candidates should have a pass in the Higher Secondary Examination (academic) conducted by the Board of Higher Secondary Examination of Tamil Nadu, or any other equivalent examination accepted by the University, thereto with a minimum of 50% marks (40% marks for SC,ST,MBC,OBC candidates) in part – III subjects of Physics, Chemistry & Biology / Botany & Zoology) and should have English as one of the subjects.

2. DURATION OF THE COURSE AND COURSE OF STUDY:

The period of certified study and training of the B.Sc. Nursing Degree course shall be of Four academic years consists of eight semesters.

3. MEDIUM OF INSTRUCTION:

English shall be the medium of instruction for all the subjects of study and for examination of the Course.

4. MINIMUM WORKING DAYS IN AN ACADEMIC YEAR:

Each academic year shall consist of not less than 180 working days (Minimum 90 working days per semester).

5. REGISTRATION:

A Candidate admitted into B.Sc, Nursing Degree course in any one of the affiliated institutions of the PONDICHERY UNIVERSITY, Puducherry shall submit the prescribed application form for registration duly filled along with prescribed fee and declaration in the format, to the Academic Officer of the cut-off date prescribed for admission.

6. ATTENDANCE REQUIRED FOR APPEARING EXAMINATION:

a). Examination will be conducted in both theory and practical as prescribed. Candidates will be permitted to appear for the University Examinations in the subject, only if they secure not less than 80% of attendance in each subject of the respective semester / year.
b). A student who does not meet the minimum attendance requirement in a semester or year must repeat the course along with the next batch of students.

7. CONDONATION FOR LACK OF ATTENDANCE:

Condonation of shortage of attendance in aggregate up to 10% (between 70% and 80%) in each semester may be granted by the College Academic Committee and as per the regulations of University.

8. INTERNAL ASSESSMENT:

Internal assessment will be done in each subject of study and the marks will be awarded to the candidates as detailed in the scheme of examinations. The marks awarded will be on the basis of the candidate’s performance in the assignments, class tests, practical test in the clinical areas as assessed by the teachers.

9. EXAMINATIONS:

a). The University Examinations will be conducted in the semester pattern for all the four years, each year consisting of two semesters.

b). The particulars of subjects for various examinations and distribution of marks are detailed in the Scheme of Examination.

c). The examination for the main subjects will be conducted by the University and the marks for the internal exams subjects will be awarded by the subject handling faculty and forwarded to University by the concerned college.

d). The Pondicherry University Practical Examinations shall be jointly conducted by one internal and one external examiner duly appointed by the University.

10. ELIGIBILITY / MAXIMUM DURATION FOR THE AWARD OF THE DEGREE:

a). The candidates shall be eligible for the Degree of Bachelor of Nursing when they have undergone the prescribed course of study for a period of not less than four years in an institution approved by the University and have passed the prescribed examinations in all subjects.

b). The maximum period to complete the course successfully should not exceed a period of eight years.

11. MARKS REQUIRED FOR A PASS:

- 50% of marks in the University Theory examination.
- 50% marks in the University Practical examination.
- 50% of marks in Internal Examination both in each Theory, Practical, Viva-voce examination.

12. DECLARATION OF CLASS:

A successful candidate obtaining 75% and more marks in the grand total aggregate in the first attempt shall be declared to have passed with **Distinction**.

A successful candidate obtaining 60% and more but less than 75% of marks in the grand total aggregate shall be declared to have passed with **First Class**.

A successful candidate obtaining 50% and more but less than 60% of marks in the grand total aggregate shall be declared to have passed with **Second Class**.

Ranks shall be declared on the basis of the aggregate marks obtained by a candidate in the University Examination subjects of the course. Only those candidates who have passed all the subjects in all examination in the first attempt shall be eligible for the award of **Rank**.
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<td>14</td>
<td>IV</td>
<td>Medical Surgical Nursing I Practical and Viva-voce</td>
<td>P 41 (1)</td>
<td>100</td>
</tr>
<tr>
<td>15</td>
<td>V</td>
<td>Medical Surgical Nursing II</td>
<td>T 52 (1)</td>
<td>75</td>
</tr>
<tr>
<td>16</td>
<td>V</td>
<td>Medical Surgical Nursing II Practical and Viva-voce</td>
<td>P 52 (1)</td>
<td>50</td>
</tr>
<tr>
<td>17</td>
<td>VI</td>
<td>Community Health Nursing II</td>
<td>T 62 (1)</td>
<td>75</td>
</tr>
<tr>
<td>18</td>
<td>VI</td>
<td>Community Health Nursing II Practical and Viva-voce</td>
<td>P 62 (1)</td>
<td>50</td>
</tr>
<tr>
<td>19</td>
<td>VI</td>
<td>Mental Health Nursing</td>
<td>T 51 (1)</td>
<td>75</td>
</tr>
<tr>
<td>20</td>
<td>VI</td>
<td>Mental Health Nursing Practical and Viva-voce</td>
<td>P 51 (1)</td>
<td>50</td>
</tr>
<tr>
<td>21</td>
<td>VII</td>
<td>Child Health Nursing</td>
<td>T 61 (1)</td>
<td>75</td>
</tr>
<tr>
<td>22</td>
<td>VII</td>
<td>Child Health Nursing Practical and Viva-voce</td>
<td>P 61 (1)</td>
<td>50</td>
</tr>
<tr>
<td>23</td>
<td>VII</td>
<td>Management of Nursing Service &amp; Education</td>
<td>T 72 (1)</td>
<td>75</td>
</tr>
<tr>
<td>24</td>
<td>VII</td>
<td>Communication and Educational Technology</td>
<td>New</td>
<td>75</td>
</tr>
<tr>
<td>25</td>
<td>VIII</td>
<td>Midwifery &amp; Obstetrical Nursing</td>
<td>T 81 (1)</td>
<td>75</td>
</tr>
<tr>
<td>26</td>
<td>VIII</td>
<td>Midwifery &amp; Obstetrical Nursing Practical &amp; Viva voce</td>
<td>P 81 (1)</td>
<td>50</td>
</tr>
<tr>
<td>27</td>
<td>VIII</td>
<td>Nursing Research and Statistics (50+25)</td>
<td>T 42 (1)</td>
<td>75(50+25)</td>
</tr>
</tbody>
</table>
NOTE

1. Anatomy and Physiology-Question paper will consist of Section A Anatomy of 37 marks and B Physiology should be of 38 marks.
2. Nutrition and Biochemistry and Question paper will consist of Section A Nutrition of 45 marks and Section B of Biochemistry of 30 marks.
3. Pharmacology, genetics, pathology: section A of Pharmacology with 38 marks, Section B of Pathology of 25 and Genetics with 12 marks.
4. Nursing Research & Statistics-Nursing Research should be of 50 marks and statistics of 25 marks.
5. Minimum pass marks shall be 40% for English only.
6. Minimum Pass marks for all other subjects shall be 50% in each of the Theory and Practical papers separately.
7. Theory and Practical exams for Introduction to computer to be conducted as college exam and marks to be sent to the University for Inclusion in the mark sheet.
8. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing for examination.
9. A candidate must complete 100% of hours notified in each of the practical areas before award of degree.
10. A candidate has to pass in theory and practical exam separately in both internal and external of each paper.
11. If a candidate fails in either theory or practical paper he/she has to re-appear for both the papers (Theory and practical).
12. Maximum number of attempts permitted for each paper is 3 including first attempt.
13. A candidate should not be promoted to the fifth and eighth semester unless the candidate has passed all the previous semesters.(fourth and seventh semester are gate semester)
14. The maximum period to complete the course successfully should not exceed 8 years.
15. Maximum number of candidates for practical examination should not exceed 20 per day.
16. All practical examinations must be held in the respective clinical areas.
17. One internal and one external examiner should jointly conduct practical examination for each student.
18. An examiner should be a lecturer or above in a college of nursing with M.Sc. (Nursing) in concerned subject and minimum of 3 years of teaching experience. To be an examiner for nursing foundations course faculty having M.Sc. (Nursing) with any specialty shall be considered.
**English**

**Placement – FIRST SEMESTER**

**Time : Theory-60 Hrs.**

**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 experiences.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I.   | 10         | *Speak and write grammatically correct English* | *Review of Grammar*  
*Remedial study of Grammar*  
*Building Vocabulary*  
*Phonetics*  
*Public Speaking* | *Demonstrate use of dictionary*  
*Class-room conversation*  
*Exercise on use of Grammar*  
*Practice in public speaking* | *Objective Type*  
*Fill in the blanks*  
*Para phrasing* |
| II.  | 30         | *Develop ability to read, understand and express meaningfully, the prescribed text* | *Read and comprehend prescribed course books* | *Exercise on:*  
-Reading  
-Summarizing  
-Comprehension | *Short Answers*  
*Essay Types* |
| III. | 10         | *Develop writing skills* | *Various forms of composition*  
-Letter writing  
-Note taking  
-Precis writing  
-Nurses notes  
-Anecdotal records  
-Diary writing  
-Reports on health problems etc.  
-Resume/CV | *Exercises on writing*  
-Letter writing  
-Nurses notes  
-Precis  
-Diary  
-Anecdote  
-Health problems  
-Story writing  
-Resume/CV  
*Essay writing*  
*Discussion on written reports/documents* | *Assessment of the skills based on the check list* |
| IV.  | 6          | *Develop skill in spoken English* | **Spoken English**  
-Oral report  
-Discussion  
-Debate  
-Telephone conversation | *Exercise on:*  
-Debating  
-Participating in seminar, panel, symposium  
-Telephonic conversation | *Assessment of the skills based on the check list* |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| V.   | 4          | *Develop skill in listening comprehension. | **Listening Comprehension**  
- Media, audio, video, speeches etc., | *Exercise on:  
- Listening to audio, video tapes and identify the key points | *Assessment of skills based on the check list |

References:

# Sociology

**Placement:** FIRST SEMESTER

**Time:** Theory 60 Hrs.

**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.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activity</th>
<th>Assessment method</th>
</tr>
</thead>
</table>
| I.   | 1          | *State the importance of sociology in Nursing | **Introduction**  
*Definition of Sociology  
*Nature and Scope of the discipline  
*Importance and application of Sociology in Nursing | *Lecture Discussion | *Essay type  
*Short answers |
|      |            |                     | **Individual & Society**  
*Society and Community  
*Nature of Society  
*Difference between Society and Community  
*Process of Socialization and individualization  
*Personal disorganization | | |
| II.  | 3          | *Describe the inter-relationship of individual in society and community | **Culture**  
*Nature of culture  
*Evolution of culture  
*Diversity and uniformity of culture  
*Trans cultural society  
*Influence on health and disease | *Lecture Discussion  
*Panel Discussion | *Essay type  
*Short answers |

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<table>
<thead>
<tr>
<th>IV.</th>
<th>4</th>
<th>*Identify various social groups and their interactions</th>
<th><strong>Social groups and Processes</strong>&lt;br&gt;*The meaning and classification of groups&lt;br&gt;*Primary &amp; Secondary Group&lt;br&gt;*In-group V/s. Out-group, Class Tribe, Caste&lt;br&gt;*Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction &amp; Social Processes.&lt;br&gt;*Co-operation, Competition, Conflict&lt;br&gt;*Accommodation, Assimilation &amp; Isolation</th>
<th><strong>Lecture Discussion</strong></th>
<th><strong>Essay type</strong>&lt;br&gt;*Short answers</th>
</tr>
</thead>
<tbody>
<tr>
<td>V.</td>
<td>6</td>
<td>*Explain the growth of population in India and its impact on health</td>
<td><strong>Population</strong>&lt;br&gt;*Society and population&lt;br&gt;*Population distribution in India-Demographic characteristics&lt;br&gt;*Malthusian theory of Populations&lt;br&gt;*Population explosion in India and its impact on health status&lt;br&gt;*Family welfare programs</td>
<td><strong>Lecture Discussion</strong>&lt;br&gt;*Community identification</td>
<td><strong>Essay type</strong>&lt;br&gt;*Short answers&lt;br&gt;*Assessment of report on community identification</td>
</tr>
<tr>
<td>VI.</td>
<td>5</td>
<td>*Describe the institutions of family and marriage in India</td>
<td><strong>Family and marriage</strong>&lt;br&gt;*Family-Functions&lt;br&gt;*Types-Joint, Nuclear, Blended and extended family: Characteristics&lt;br&gt;*The Modern Family-Changes, Problems-Dowry etc., Welfare Services.&lt;br&gt;*Changes &amp; legislations on family and marriage in India-marriage acts&lt;br&gt;*Marriage: Forms and functions of marriage, *Marriage and family problems in India&lt;br&gt;Family, marriage and their influence on health and health practices</td>
<td><strong>Lecture Discussion</strong>&lt;br&gt;*Family Case study</td>
<td><strong>Essay type</strong>&lt;br&gt;*Short answers&lt;br&gt;*Assessment of family case study</td>
</tr>
</tbody>
</table>
| VII. | 7 | * Describe the class and caste system and their influence on health and health practices | **Social Stratification**  
*Meaning & types of social stratification  
*The Indian Caste System- origin & features  
*Features of Caste in India Today  
*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 | *Lecture Discussion  
*Community survey | *Essay type  
*Short answers  
*Assessment of report on community survey |
| VIII | 6 | 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 village 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: Urbanization 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 |
| IX | 4 | Explain the process of Social Change | **Social Change**  
*Nature and process of Social Change  
*Factors influencing Social change: cultural change, Cultural lag  
*Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional  
Role of nurse – Change agents | *Lecture Discussion | *Essay type  
*Short Answers |
<table>
<thead>
<tr>
<th>X</th>
<th>4</th>
<th>Describe the Social system and inter-relationship of social organizations</th>
<th>Social organization and social system</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>*Social organization: elements, types</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>*Democratic and authoritarian modes of participation,</td>
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<td></td>
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<td></td>
<td>*Voluntary associations</td>
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<td></td>
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<td></td>
<td>*Social system: Definition and Types of social system</td>
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<tr>
<td></td>
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<td></td>
<td>*Role and Status as structural elements of social system</td>
</tr>
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<td></td>
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<td></td>
<td>*Inter-relationship of institutions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*Lecture Discussion *Observation visits</td>
<td>*Essay type *Short Answers *Assessment of visit report</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>XII</th>
<th>15</th>
<th>*Describe the role of the nurse in dealing with social problems in India</th>
<th>Social Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>*Social disorganization</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>*Control &amp; Planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women &amp; children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV / AIDS.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>*Social Welfare programs in India *Role of nurse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*Lecture Discussion *Institutional visits</td>
<td>*Essay type *Short answers *Assessment of visit reports</td>
</tr>
</tbody>
</table>
Bibliography

Textbook:


Suggested References:

2. Mehta (SA), Study of Rural Sociology in India, Chand & Co.
7. Rao (SD), Psychology and Sociology for Paramedics, Jaypee Brothers, New Delhi, 2006
**Psychology**

**Placement:** FIRST SEMESTER  
**Time:** Theory 60 Hrs.

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activity</th>
<th>Assessment method</th>
</tr>
</thead>
</table>
| I    | 2           | *Describe the history, scope and methods of psychology | **Introduction:**  
*History and origin of science of psychology  
*Definition and Scope of psychology  
*Relevance to nursing  
*Methods of Psychology | *Lecture Discussion | *Essay type  
*Short answers |
| II   | 4           | *Explain the biology of Human behaviour | **Biology of behaviour**  
*Body mind relationship – modulation process in health and illness  
*Genetics and behaviour: Heredity and environment  
*Brain and behaviour: Nervous System, Neurons and synapse  
*Association Cortex, Rt. And Lt. Hemispheres  
Psychology of Sensations  
*Muscular and glandular controls of behaviour  
*Nature of behaviour of an organism / Integrated responses | *Lecture Discussion | *Esasay type  
*Short answers |
| III | 20 | *Describe various cognitive processes and their applications | **Cognitive Processes**  
*Attention: Types, determinants, Duration & Degree, Alterations  
*Perception: Meaning, Principles, factors affecting, Errors  
*Learning: Nature, Types, learner and learning, Factors influencing, Laws and Theories, process, transfer, study habits  
*Memory: Meaning, Types, Nature, Factors influencing, Development Theories and methods of Memorizing and Forgetting  
*Thinking: Types and levels, Stages of development, Relationship with 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 | **Lecture Discussion**  
*Psychometric assessment  
*Practice sessions | **Essay type**  
*Short answers |
| IV | 8 | *Describe motivation, emotions, stress, attitudes and their influence on behaviour | **Motivation and Emotional Processes:**  
*Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution  
*Emotion & 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   | 7   | *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  | 7   | *Describe the psychology of people during the life cycle | **Developmental Psychology**
*Psychology of people at different ages from infancy to old age
*Psychology of vulnerable individuals – challenged, women, sick, etc.,
*Psychology of groups | *Lecture Discussion
*Case Discussion | *Essay type
*Short answers |

| VII | 8   | Describe the characteristics of Mentally Healthy person
Explain Ego defence mechanisms | **Mental Hygiene and Mental Health**
*Concepts of mental hygiene and mental health
*Characteristics of mentally healthy person
*Warning signs of poor mental health
*Promotive and preventive mental health – strategies and services
*Ego defence mechanisms and implications
*Personal and social adjustments
*Guidance and Counseling
*Role of Nurse | *Lecture Discussion
*Case Discussion
*Role play
*Demonstration | *Essay type
*Short answers |

| VIII | 4   | *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 |
Bibliography

Textbook:


Suggested References:


# Introduction to Computers

**Placement:** FIRST SEMESTER  
**Time:** Theory 15 Hrs.  
Lab 30 Hrs.

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objective</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>3</td>
<td>Th. Pr.</td>
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</tbody>
</table>
|      |            | *Identify & define various concepts used in computer in nursing  
*Identify application of computer in nursing | Introduction:  
*Concepts of Computers  
*Hardware and software trends and technology  
*Application of computers in nursing | *Lecture Discussion  
*Demonstration | *Short answers  
*Objective Type |
| II   | 6          | 20                 | *Describe and Use the Disk Operating System  
*Demonstrate skill in the use of MS Office | *Introduction to disk operating system  
-DOS  
-Windows (all version)  
*Introduction  
-MS Word  
-MS-Excel with pictorial presentation  
-MS-Access  
-MS-Power point | *Lecture Discussion  
*Demonstration  
*Practice session | *Short answers  
*Objective type  
*Practical Exam |
| III  | 2          | 3                  | *Demonstrates skill in using multi-media  
*Identify features of computer aided teaching and testing | *Multimedia: Types and uses  
*Computer aided teaching and testing | *Lecture Discussion  
*Demonstration | *Short answers  
*Objective type  
*Practical exam & Viva Voce |
| IV   | 1          | 3                  | *Demonstrate use of internet & Email | *Use of Internet and: e-mail | *Lecture Discussion  
*Demonstration  
*Practice session | *Short answers  
*Objective type  
*Practical exam & Viva Voce |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objective</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Th.</td>
<td>Pr.</td>
<td>*Describe and use the statistical packages</td>
<td>*Statistical packages: Types and their Features</td>
<td>*Lecture Discussion *Demonstration *Practice Session</td>
</tr>
<tr>
<td>V</td>
<td>2</td>
<td>2</td>
<td>*Describe and use the statistical packages</td>
<td>*Statistical packages: Types and their Features</td>
<td>*Lecture Discussion *Demonstration *Practice Session</td>
</tr>
<tr>
<td>VI</td>
<td>1</td>
<td>2</td>
<td>*Describe the use Hospital Management System</td>
<td>*Hospital Management System: Types and Uses</td>
<td>*Lecture Discussion *Demonstration</td>
</tr>
</tbody>
</table>

**Bibliography**

**Textbook:**

1. Jain (NC), Computer for Nurses, AITBS Publishers
# Nursing Foundations –I

**Placement:** FIRST SEMESTER

**Time:**
- Theory : 130 Hrs.
- Lab : 100 Hrs.
- Clinicals: 200 Hrs.

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objective</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 10         | *Describe the concept of Health, Illness and Health care agencies | **Introduction**  
*Concept of Health: Health – Illness continuum  
*Factors influencing Health  
*Causes and risk factors for developing illness  
*Body defences: Immunity and Immunization  
*Illness and Illness behaviour  
*Impact of illness on patient and family  
*Health care services: Health Promotion and Prevention, Primary care, Diagnosis, Treatment, Rehabilitation and Continuing care  
*Health care teams  
*Types of health care agencies  
*Hospitals: Types, Organization and Functions  
*Health promotions and levels of disease prevention  
*Primary Health Care and its delivery: Role of nurse | *Lecture  
Discussion  
*Visit to Health care agencies | *Essay type  
*Short answers  
*Objective type |
| II   | 16         | *Explain concept and scope of nursing  
*Describe values, code of ethics and professional conduct for nurses in India | **Nursing as a profession**  
*Definition and Characteristics of a Profession  
*Nursing:  
-Definition, Concepts, Philosophy, Objectives  
-Characteristics, nature and scope of nursing practice  
-Functions of nurse  
-Qualities of a nurse  
-Categories of nursing personnel | *Lecture  
Discussion  
*Case discussion  
*Role Plays | *Essay type  
*Short answers  
*Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
</tr>
</thead>
</table>
| III  | 4           | *Explain the admission and discharge procedure  
  *Perform the admission and discharge procedure | **Hospital Admission and Discharge**  
  *Admission to the hospital:  
  -Unit and its preparation:  
  Admission bed  
  -Admission procedures  
  -Special considerations  
  -Medico-legal issues  
  -Roles and responsibilities of the nurse  
  *Discharge from the hospital:  
  -Types: Planned discharge, LAMA and abscond, Referrals and Transfers  
  -Discharge Planning  
  -Discharge Procedures  
  -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 |
| IV   | 10          | *Communicate effectively with patient, families and team members and maintain effective human relations (projecting professional image)  
  *Appreciate the importance of patient teaching in nursing | **Communication and Nurse Patient relationship**  
  *Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication  
  Methods of effective communication:  
  -Attending skills  
  -Rapport building skills  
  -Empathy skills  
  -Barriers to effective communication  
  *Communicating effectively with | *Lecture  
  *Discussion  
  *Role play and video film on the nurses interacting with the patient  
  *Practice session on patient teaching  
  *Supervised clinical practice | *Essay type  
  *Short answers  
  *Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| V    | 15          | *Explain the concept, uses, format and steps of nursing process *Documents nursing process as per the format | **The Nursing Process**  
*Critical Thinking and Nursing Judgment  
- Critical Thinking: Thinking and Learning  
- Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing  
*Nursing Process Overview: Application in Practice  
- Nursing process format: Current format, INC  
Assessment:  
- Collection of Data: Types, Sources, Methods  
- Formulating Nursing judgment: Data interpretation  
Nursing Diagnosis:  
- Identification of client problems  
- Nursing diagnosis statement  
- Difference between medical and nursing diagnosis  
Planning:  
- 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 | *Lecture Discussion  
*Demonstration  
*Exercise  
*Supervised clinical practice | *Essay type  
*Short answers  
*Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
</tr>
</thead>
</table>
| VI   | 4           | Describe the purposes, types and techniques of recording and reporting | **Documentation and Reporting**  
*Documentation: Purposes of Recording and reporting  
*Communication within the Health Care Team  
*Types of records: ward records, medical / nursing records  
*Common record keeping forms, computerized documentation  
*Guidelines for reporting: Factual basis, Accuracy, Completeness, Currentness, Organization, Confidentiality  
*Methods of Recording  
*Reporting: Change of shift reports, Incident reports  
*Minimizing legal Liability through effective record keeping | *Lecture  
*Discussion  
*Demonstration  
*Practical session  
*Supervised clinical practice | *Essay type  
*Short answers  
*Objective type |
| VII  | 15          | *Describe the principles and techniques of monitoring and maintaining vital signs  
*Monitor and maintain vital signs | **Vital signs**  
*Guidelines for taking vital signs  
*Body temperature:  
- Physiology, Regulation, Factors affecting body temperature  
- Assessment of body temperature: sites, equipments and technique, special considerations  
- Temperature alterations: Hyperthermia, Heatstroke, Hypothermia  
- Hot and cold applications  
*Pulse:  
- Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse  
- Assessment of pulse: sites, location, equipments and technique, special considerations  
- Alterations in pulse  
*Respiration:  
- Physiology and regulation, mechanics of breathing, characteristics of the respiration, factors affecting respiration | *Lecture  
*Discussion  
*Demonstration  
*Practical session  
*Supervised clinical practice | *Essay type  
*Short answers  
*Objective type |
<table>
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<th>Unit</th>
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<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| VIII | 30          | *Describe the purpose and process of health assessment  
*Describe the health assessment of each body system  
*Perform health assessment of each body system | **Health assessment**  
*Purpose  
*Process of Health assessment  
- Health history  
- Physical examination: Methods: Inspection, Palpation, Percussion, Auscultation, Olfaction  
- Preparation for examination: Patient and unit  
- General assessment  
- Assessment of each body system  
- Recording of health assessment | *Lecture  
*Discussion  
*Demonstration  
*Practice on simulators  
*Supervised clinical practice | *Essay type  
*Short answers  
*Objective type |
| IX   | 5           | *Identify the various machinery, equipment and linen and their care | **Machinery, Equipment and linen**  
*Types: Diposables and reusables – Linen, Rubber goods, Glass ware, Metal, Plastics, Furniture, Machinery  
*Introduction:  
- Indent  
- Maintenance  
- Inventory | *Lecture  
*Discussion  
*Demonstration | *Essay type  
*Short answers  
*Objective type |
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<th>Unit</th>
<th>Time (Hrs.)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
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</thead>
</table>
| X    | 21          | *Describe the basic, physiological and psychosocial needs of patient  
*Describe the principles and techniques for meeting basic physiological and psychosocial needs of patient  
*Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient | **Meeting needs of patient**  
*Basic needs(Activities of Daily Living)  
Providing safe and clean environment:  
- Physical environment: Temperature, Humidity, Noise, Ventilation, Light, Odour, Pests control  
- Reduction of physical hazards: fire, accidents  
- Safety devices: Restraints, Side rails, Airways, Trapez, etc.,  
- Role of nurse in providing safe and clean environment  
**Hygiene:**  
- Factors influencing hygienic practices  
- Hygienic care: Care of the Skin-Bath and pressure points, Feet and Nail, Oral cavity, Hair care, Eyes, Ears and Nose  
Assessment, principles, types, equipments, procedure, special considerations  
- Patient environment: Room, Equipment and Linen, Making patient beds  
- Types of beds and bed making  
*Comfort:*  
- Factors influencing comfort  
- Comfort devices | *Lecture  
Discussion  
*Demonstration  
*Practice sessions  
*Supervised clinical practice | *Essay type  
*Short answers  
*Objective type  
*Assess with check list and clinical practical examination |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
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<td>X</td>
<td>39</td>
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<td>Physiologic needs:</td>
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<td><strong>Sleep and Rest:</strong></td>
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<td>- Physiology of sleep</td>
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<td>- Factors affecting sleep</td>
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<td>- Promoting rest and sleep</td>
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<td>- Sleep disorders</td>
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<td><strong>Nutrition:</strong></td>
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<td>- Factors affecting Nutritional needs</td>
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<td>- Assessment of nutritional needs: variables</td>
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<td>- Meeting nutritional needs: Principles, equipments, procedure and special considerations</td>
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<td><strong>Oral</strong></td>
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<td><strong>Enteral:</strong> Naso / Orogastric, Gastrostomy</td>
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<td><strong>Parenteral</strong></td>
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<td><strong>Urinary elimination:</strong></td>
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<td>- Review of physiology of urinary elimination, composition and characteristics of urine</td>
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<td>- Factors influencing urination</td>
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<td>- Alteration in urinary elimination</td>
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<td>- Types and collection of urine specimen: Observation, Urine testing</td>
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<td>- Facilitating urine elimination: assessment, types, equipments, procedures and special considerations</td>
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<td>Providing urinal / bedpan</td>
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<td>Condom drainage</td>
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<td>Perineal care</td>
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<td>Catheterization</td>
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<td>Care of urinary drainage</td>
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<td>Care of urinary diversions</td>
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<td>Bladder irrigation</td>
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<td>Bowel elimination:</td>
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</tbody>
</table>
- Review of physiology of bowel elimination, composition and characteristics of feces
- Factors affecting bowel elimination
- Alterations in bowel elimination
- Types and collection of specimen of feces: Observation
- Facilitating bowel elimination: assessment, equipment, procedures and special considerations
Passing of flatus tube
Enemas
Suppository
Sitz bath
Bowel wash
Care of ostomies

Mobility and Immobility:
- Principles of body mechanics
- Maintenance of normal body alignment and mobility
- Factors affecting body alignment and mobility
- Hazards associated with immobility
- Alteration in body alignment and mobility
- Nursing interventions for impaired body alignment and mobility: Assessment, Types, Devices used, Method and Social considerations, Rehabilitation aspects
Range of motion exercises
Maintaining body alignment: positions
Moving
Lifting
Transferring
Walking
Restraints

Oxygenation:
- Review of cardio-vascular and respiratory physiology
- Factors affecting oxygenation
- Alterations in oxygenation
- Nursing interventions in oxygenation: assessment, types, equipments used, procedure and special considerations
<table>
<thead>
<tr>
<th>XI 20</th>
<th>Describe principles and techniques for infection control and bio medical waste management in</th>
<th>Infection control in clinical settings</th>
</tr>
</thead>
</table>
|       |                                                   | *Infection control  
|       |                                                   | - Nature of infection  
|       |                                                   | - Chain of infection transmission  
|       |                                                   | - Defenses against infection transmission |
supervised clinical settings

- Hospital acquired infection (Nosocomial infection)
*Concept of asepsis: medical asepsis, and surgical asepsis
*Isolation precautions (Barrier nursing):
  - Hand washing: simple, hand asepsis (scrub)
  - Isolation: source protective
  - Personal protecting equipments: types, uses and technique of wearing and removing
  - Decontamination of equipment and unit
  - Transportation of infected patients
  - Standard safety precautions (Universal precautions)
*Transmission based precautions
*Biomedical waste management:
  - Importance
  - Types of hospital waste
  - Hazards associated with hospital waste
  - Decontamination of hospital waste
  - Segregation and Transportation and disposal

| XII | 40 | *Explain the principles, routes, effects of administration of medications
*Calculate conversions of drugs and dosages within and between systems of measurements
*Administer drugs by the following routes- oral, intra dermal, subcutaneous, intramuscular, intra venous, topical, |
| *General principles / considerations
  - Purposes of medication
  - Principles: 5 rights, special considerations, prescriptions, safety in administering medications and medication errors
  - Drug forms
  - Routes of administration
  - Storage and maintenance of drugs and nurse’s responsibility
  - Broad classification of drugs
  - Therapeutic effects, side effects, toxic effects, idiosyncratic reactions, drug tolerance, drug interactions
  - Factors influencing drug actions
  - Systems of drug measurement: Metric system, Apothecary system, Household measurements, solutions
  - Converting measurements units: Conversion within one system, conversion between systems, |
| *Lecture Discussion
*Demonstration
*Practice sessions
*Supervised clinical practice |
| *Essay type
*Short answers
*Objective type
*Assess with check list and clinical practical examination |
<table>
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<tr>
<th>Inhalation.</th>
<th>Dosage calculations</th>
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<tbody>
<tr>
<td></td>
<td>Terminologies and abbreviations used in prescriptions of medications</td>
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<tr>
<td></td>
<td>Oral Drugs Administration: Oral, Sublingual and Buccal – equipment, procedure</td>
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<td>Parenteral</td>
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<td></td>
<td>Types of parenteral therapies</td>
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<td></td>
<td>Types of syringes, needles, canula and infusion sets</td>
</tr>
<tr>
<td></td>
<td>Protection from needle stick injuries; Giving medications with a safety syringes</td>
</tr>
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<td>Routes of parenteral therapies:</td>
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<td></td>
<td>Intra dermal: purposes, site, equipment, procedure, special considerations</td>
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<td></td>
<td>Subcutaneous: purposes, site, equipment, procedure, special considerations</td>
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<td>Intra muscular: purposes, site, equipment, procedure, special considerations</td>
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<td>Intra venous: purposes, site, equipment, procedure, special considerations</td>
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<td>Advanced techniques: epidural, intra thecal, intra osseous, intra peritoneal, intra plural, intra arterial</td>
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<td>Role of nurse</td>
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<td>Topical Administration: purposes, site, equipment, procedure, special considerations</td>
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<td>Application to skin</td>
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<td>Application to mucus membrane: Direct application of liquids – Gargles and swabbing the throat</td>
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<td></td>
<td>Insertion of Drug into body cavity: Suppository / medicated packing in rectum / vagina</td>
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<td>Instillation: Ear, Eye, Nasal, Bladder, Vaginal, Rectal</td>
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<td>Irrigations: Ear, Eye, Nasal, Bladder, Vaginal, Rectal</td>
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<td>Spraying: Nose and Throat</td>
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<tr>
<td></td>
<td>Inhalation: Nasal, oral, endotracheal / tracheal (steam, oxygen and medications) – purposes, site, equipment, procedure, special considerations</td>
</tr>
</tbody>
</table>
**Meeting needs of peri operative patients**  
* Definition and concept of peri operative nursing  
* Preoperative phase:  
  - Preparation of patient for surgery  
* Intra operative:  
  - Operation theatre setup and environment  
  - Role of nurse  
* Post operative phase:  
  - Recovery unit  
  - Post operative unit  
  - Post operative care  
* Wounds: types, classifications, wound healing process, factors affecting wound healing  
* Surgical asepsis  
* Care of the wound: Types, equipment, procedure, special considerations  
  - Dressings, suture care  
  - Care of drainage  
  - Application of bandages, binders, splints and slings  
  - Heat and Cold Therapy

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
<th>Assessment</th>
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</table>
| XIII   | 10      | *Describe the pre and post operative care of patients  
*Explain the process of wound healing  
*Explain the principles and techniques of wound care  
*Perform care of wounds  
  
**Meeting needs of peri operative patients**  
* Definition and concept of peri operative nursing  
* Preoperative phase:  
  - Preparation of patient for surgery  
* Intra operative:  
  - Operation theatre setup and environment  
  - Role of nurse  
* Post operative phase:  
  - Recovery unit  
  - Post operative unit  
  - Post operative care  
* Wounds: types, classifications, wound healing process, factors affecting wound healing  
* Surgical asepsis  
* Care of the wound: Types, equipment, procedure, special considerations  
  - Dressings, suture care  
  - Care of drainage  
  - Application of bandages, binders, splints and slings  
  - Heat and Cold Therapy | *Lecture  
* Discussion  
* Demonstration  
* Practice sessions  
* Supervised clinical practice |
| XIV    | 15      | *Explain the care of patients having alterations in body functioning  
  
**Meeting special needs of the patient**  
* Care of the patient s having alteration in  
  - Temperature (hyper and hypothermia): Types, Assessment , Management  
  - Sensorium (unconsciousness): Assessment, Management  
  - Urinary elimination (retention and incontinence): Assessment, Management  
  - Functioning of sensory organs (visual and hearing impairment)  
  - Assessment of self care ability  
  - Communication methods and special considerations  
  - Mobility (physically challenged, cast): Assessment of self – care ability  
  - Mental status (mentally challenged): Assessment of self – | *Lecture  
* Discussion  
* Case discussion  
* Supervised clinical practice | *Essay type  
* Short answers  
* Objective type |
**Care of Terminally ill patients**
- 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

**Professional nursing concepts and practices**
*Conceptual and theoretical models of nursing practice: Introduction to models-holistic model, health belief model, health promotion model, etc.,
*Introduction to theories in nursing-Peplau’s, Handerson’s, Oram’s, Neuman’s, Roger,s and Roy’s
*Linking theories with nursing process

| XV | 5 | *Explain care of terminally ill patient | **Care of Terminally ill patients** | *Lecture, Discussion *Demonstration
*Lecture *Case discussion / Role play
*Practice session
*Supervised clinical practice | *Essay types
*Short answers |
| XVI | 6 | *Explain the basic concepts of conceptual and theoretical models of nursing | **Professional nursing concepts and practices** | *Lecture Discussion | *Essay types
*Short answers |
Bibliography:

Textbook:


Reference

4. Fuller, Health Assessment: Nursing Approach, Lippincott, 3rd Edition
# Nursing Foundations – Practical (I & II)

**Placement:** I & II Semesters

**Time:** Practical – 650 Hrs.  
(200 lab and 450 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 clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in clinical settings.

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<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
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<tbody>
<tr>
<td>Hospital admission and</td>
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<td>Hospital admission and discharge (III): <em>Admission</em> *Prepare unit for new</td>
<td>*Practice in Unit / hospital</td>
<td>*Evaluate with check list</td>
<td>*Assessment of clinical performance with rating scale</td>
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<td>Discharge (III)</td>
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<td>patient *Prepare admission bed *Perform admission procedure - New patient</td>
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<td>*Completion of Practical record</td>
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<td>- Transfer in *Prepare patient records</td>
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<td>*Evaluate with check list</td>
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<td>*Assessment of clinical performance with rating scale</td>
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<td>*Completion of Practical record</td>
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<td>Discharge / Transfer out:</td>
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<td>Discharge / Transfer out: *Give discharge counseling *Perform discharge</td>
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<td>procedure (Planned discharge, LAMA, Absoon, Referrals and Transfers) *</td>
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<td>Prepare records of discharge / transfer *Dismandle, and disinfect unit and</td>
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<td>equipment after discharge / transfer</td>
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<td>*Assessment of Nursing Process records with checklist</td>
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<td>*Assessment of actual care</td>
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<td>Perform assessment:</td>
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<td>Perform assessment: *History taking, Nursing diagnoses, Problem list,</td>
<td>*Write nursing process records of patient</td>
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<td>Prioritization, Goals and Expected outcomes, Selection of interventions,</td>
<td>*Simulated -1</td>
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<td>Write Nursing Care Plan *Give care as per the plan - Assist patient in</td>
<td>*Actual -1</td>
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<td>moving, lifting, transferring,</td>
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<th>walking</th>
<th>Oxygen administration</th>
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<td>- Restraints</td>
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<td>Suctioning: Oro pharyngeal, Naso pharyngeal</td>
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<td>Chest physiotherapy and postural drainage</td>
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<td>Care of chest drainage</td>
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<td>CPR: Basic life support</td>
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<td>Intra venous therapy</td>
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<td>Blood and blood component therapy</td>
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<tr>
<td>Collect / assist for collection of specimens, for investigations Urine, sputum, feces, vomitus, blood and other body fluids</td>
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<td>Perform lab tests: Urine: Sugar, Albumin, Acetone Blood: Sugar (with strip / Gluco-meter)</td>
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<td>Hot and Cold applications: Local and general Sitz bath</td>
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<td>Communicating and assisting with self – care of visually and hearing impaired patients</td>
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<td>Communicating and assisting with self care of mentally challenged / disturbed patients Recreational and Diversional therapies</td>
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<td>Caring of patients with alterations in sensorium</td>
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<td>Infection control</td>
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<tr>
<td>*Perform following procedures:</td>
<td></td>
</tr>
<tr>
<td>- Hand washing techniques</td>
<td></td>
</tr>
<tr>
<td>- (Simple, hand antisepsis and surgical antisepsis (scrub))</td>
<td></td>
</tr>
<tr>
<td>- Prepare isolation unit in lab / ward</td>
<td></td>
</tr>
<tr>
<td>- Practice technique of wearing and removing Personal protective equipment (PPE)</td>
<td></td>
</tr>
<tr>
<td>- Practice Standard Safety precautions (Universal precautions)</td>
<td></td>
</tr>
<tr>
<td>Decontamination of equipment and unit:</td>
<td></td>
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<tr>
<td>*Surgical asepsis:</td>
<td></td>
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<tr>
<td>- Sterilization</td>
<td></td>
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<tr>
<td>- Handling sterilized equipment</td>
<td></td>
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<tr>
<td>- Calculate strengths of lotions</td>
<td></td>
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<tr>
<td>- Prepare lotions</td>
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<tr>
<td>*Care of articles</td>
<td></td>
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<tr>
<td>Pre and post operative care:</td>
<td></td>
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<tr>
<td>*Skin preparations for surgery: Local</td>
<td></td>
</tr>
<tr>
<td>*Preparation of post operative unit</td>
<td></td>
</tr>
<tr>
<td>*Pre and post operative teaching and counseling</td>
<td></td>
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<tr>
<td>*Pre and post operative monitoring</td>
<td></td>
</tr>
<tr>
<td>*Care of the wound:</td>
<td></td>
</tr>
<tr>
<td>- Dressings , Suture care, Care of drainage, Application of Bandages, Binders, Splints and Slings</td>
<td></td>
</tr>
<tr>
<td>- Bandaging of various body parts</td>
<td></td>
</tr>
<tr>
<td>*Assess observation study with check list</td>
<td></td>
</tr>
<tr>
<td>*Evaluate all procedures with check list</td>
<td></td>
</tr>
</tbody>
</table>

| *Observation study -2 |
| *Department of Infection control & CSSD |
| *Visits CSSD, write observation report -1 |
| *Collection of samples for culture |
| *Do clinical posting in infection control department and write report |
| *Practice in lab / ward |
Administration of medications
* Administer medications in different forms and routes
  * Oral, Sublingual and Buccal
  * Parenteral: Intra dermal, Sub cutaneous, Intra muscular, etc.,
  * Assist with Intra venous medications
  * Drug measurements and dose calculations
  * Preparation of lotions and solutions
  * Administer topical applications
  * Insertion of drug into body cavity: Suppository and 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
  * Care of dying patient
  * Caring and packing of dead body
  * Counseling and supporting grieving relatives
  * Terminal care of the unit
**Anatomy**

**Placement:** SECOND SEMESTER

**Time:** Theory – 60 Hrs.

**Course Description:** The course is designed to enable students to acquire knowledge of the normal structure of various human body systems and understand the alterations in anatomical structures in disease and practice of nursing

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5           | *Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands | **Introduction to Anatomical terms and organization of the human body**  
*Human cell structure  
*Tissues – Definition, Types, Characteristics, Classification, Location, Functions and Formation  
*Membranes and glands – classification and structure  
Alterations in disease applications and implications in nursing | *Lecture  
Discussion  
*Explain using charts, microscopic slides, Skeleton and Torso  
*Demonstrate cells, types of tissues, membranes and glands  
*Record book | *Short answer questions  
*Objective type |
| II   | 6           | *Describe the structure and functions of bones and joints | **The Skeletal System**  
*Bones- types, structure, Axial & Appendicular Skeleton  
*Bone formation and growth  
*Description of bones  
*Joints- classification and structure  
Alterations in disease Applications and implications in nursing | *Lecture  
Discussion  
*Explain using charts, Skeleton Loose bones and Joints  
*Record book | *Short answer questions  
*Objective type |
| III  | 7           | *Describe the structure and functions of muscles | **The Muscular System**  
*Types and structure of muscles  
*Muscle groups  
Alterations in disease Applications and implications in nursing | *Lecture  
Discussion  
*Explain using chart, models and films  
*Demonstrate muscular movements  
*Record book | *Short answer questions  
*Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| IV   | 7           | *Describe the structure and functions of nervous system | **The Nervous System**  
*Structure of neurologia & neurons  
*Somatic nervous system  
- Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves  
*Autonomic Nervous System – sympathetic, parasympathetic  
- structure, location  
Alterations in disease  
Applications and implications in nursing | *Lecture  
Discussion  
*Explain using chart, models, slides, specimens  
*Record book | *Short answer questions  
*Objective type |
| V    | 6           | *Explain the structure and 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 chart, models, slides, specimens  
*Record book | *Short answer questions  
*Objective type |
| VI   | 7           | *Describe the structure & Functions of circulatory and lymphatic system | **Circulatory and Lymphatic system**  
*The Circulatory System  
- Blood- microscopic structure  
- Structure of the Heart  
- Structure of the blood vessels – Arterial and 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 chart, models, slides, specimens  
*Record book | *Short answer questions  
*Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>VII</td>
<td>5</td>
<td>*Describe the structure &amp; Functions of respiratory system</td>
<td>The Respiratory System  *Structure of the organs of respiration  Muscles of respiration: Intercostals and Diaphragm  Alterations in disease  Applications and implications in nursing</td>
<td>*Lecture  Discussion  *Explain using chart, models, slides, torso specimens  *Record book</td>
<td>*Short answer questions  *Objective type</td>
</tr>
<tr>
<td>VIII</td>
<td>6</td>
<td>*Describe the structure &amp; Functions of digestive system</td>
<td>The Digestive System  Structure of Alimentary tract and accessory organs of digestion  Alterations in disease  Applications and implications in nursing</td>
<td>*Lecture  Discussion  *Explain using chart, models, slides, torso specimens  *Record book</td>
<td>*Short answer questions  *Objective type</td>
</tr>
<tr>
<td>IX</td>
<td>4</td>
<td>*Describe the structure &amp; Functions of excretory system</td>
<td>The Excretory System (Urinary)  *Structure of organs of urinary system: Kidney, Ureters, Urinary bladder, Urethra  Alterations in disease  Applications and implications in nursing</td>
<td>*Lecture  Discussion  *Explain using chart, models, slides, torso specimens  *Record book</td>
<td>*Short answer questions  *Objective type</td>
</tr>
<tr>
<td>X</td>
<td>4</td>
<td>*Describe the structure &amp; Functions of endocrine system</td>
<td>The Endocrine System  *Structure of Pituitary, Pancreas, Thyroid, Parathyroid, Thymus and Adrenal glands  Alterations in disease  Applications and implications in nursing</td>
<td>*Lecture  Discussion  *Explain using chart, models, slides, torso specimens  *Record book</td>
<td>*Short answer questions  *Objective type</td>
</tr>
<tr>
<td>XI</td>
<td>4</td>
<td>*Describe the structure &amp; Functions of reproductive system</td>
<td>The Reproductive System including Breast  *Structure of female reproductive organs  *Structure of male reproductive organs  *Structure of the breast  Alterations in disease  Applications and implications in nursing</td>
<td>*Lecture  Discussion  *Explain using chart, models, slides, torso specimens  *Record book</td>
<td>*Short answer questions  *Objective type</td>
</tr>
</tbody>
</table>
Bibliography:

Textbook:


Suggested References:

# Physiology

**Placement:** SECOND SEMESTER

**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 disease and in practice of nursing.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>4</td>
<td>*Describe the physiology of cell, tissues, membranes and glands</td>
<td><strong>Cell Physiology</strong>&lt;br&gt;*Tissue formation, repair&lt;br&gt;*Membranes &amp; glands – functions&lt;br&gt;Alterations in disease&lt;br&gt;Applications and implications in nursing</td>
<td><em>Lecture discussion</em>&lt;br&gt;<em>Short answer questions</em>&lt;br&gt;<em>Objective type</em></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>4</td>
<td>*Describe the formation and growth and movements of skeleton system</td>
<td><strong>Skeletal System</strong>&lt;br&gt;*Bone formation &amp; growth&lt;br&gt;*Bones – Functions and movements of bones of axial and appendicular skeleton, bone healing&lt;br&gt;*Joints and joint movement&lt;br&gt;Alterations in disease&lt;br&gt;Applications and implications in nursing</td>
<td><em>Lecture discussion</em>&lt;br&gt;<em>Explain using Charts, Models, Specimen and Films</em>&lt;br&gt;<em>Demonstration of joint movements</em></td>
<td><em>Short answer questions</em>&lt;br&gt;<em>Objective type</em></td>
</tr>
<tr>
<td>III</td>
<td>4</td>
<td>*Describe the muscle movements and tone and demonstrate muscle contraction and tone</td>
<td><strong>Muscular System</strong>&lt;br&gt;*Muscle movements, Muscle tone, Physiology of contraction, levels and maintenance of posture&lt;br&gt;Alterations in disease&lt;br&gt;Applications and implications in nursing</td>
<td>Lecture discussion&lt;br&gt;<em>Explain using Charts, Models, Specimen and Films</em>&lt;br&gt;<em>Demonstration of muscle movements, tone and contraction</em></td>
<td><em>Short answer questions</em>&lt;br&gt;<em>Objective type</em></td>
</tr>
<tr>
<td>IV</td>
<td>7</td>
<td>*Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves&lt;br&gt;*Demonstrate reflex action and stimulus</td>
<td><strong>Nervous System</strong>&lt;br&gt;*Functions of Neuroglia &amp; Neurons&lt;br&gt;*Stimulus * Nerve – impulse-definitions and mechanism&lt;br&gt;*Functions of brain, spinal cord, cranial and spinal nerves&lt;br&gt;*Cerebrospinal fluid-composition, circulation and function&lt;br&gt;*Reflex arc, reflex action and reflexes *Autonomic functions</td>
<td><em>Lecture discussion</em>&lt;br&gt;<em>Explain using charts, films</em>&lt;br&gt;<em>Demonstration of nerve stimulus, reflex action, reflexes</em></td>
<td><em>Short answer questions</em>&lt;br&gt;<em>Objective type</em></td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs.)</td>
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</table>
|      |             |                     | - Pain: somatic, visceral and referred  
|      |             |                     | - Autonomic learning and bio feed back  
|      |             |                     | Alterations in disease  
|      |             |                     | Applications and implications in nursing | *Lecture discussion  
|      |             |                     | *Demonstrate blood cell count, coagulation, grouping, Hb., BP and Pulse monitoring | *Explain using charts, films  
|      |             |                     | *Functions of Heart, Conduction, Cardiac cycle, circulation – principles, control, factors influencing BP, and Pulse  
|      |             |                     | Alterations in disease Applications and implications in nursing | *Demonstration of blood cell count, coagulation, grouping, Hemoglobin estimation, heart conduction system  
|      |             |                     | *Measurement of pulse, BP | *Short answer questions  
|      |             |                     | *Objective type |
| V    | 8           | *Describe the physiology of blood and functions of heart  
|      |             |                     | *Demonstrate blood cell count, coagulation, grouping, Hb., BP and Pulse monitoring | *Lecture discussion  
|      |             |                     | *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  
|      |             |                     | Alterations in disease Applications and implications in nursing | *Explain using charts, films  
|      |             |                     | *Demonstration of blood cell count, coagulation, grouping, Hemoglobin estimation, heart conduction system  
|      |             |                     | *Measurement of pulse, BP | *Short answer questions  
|      |             |                     | *Objective type |
| VI   | 6           | *Describe the physiology and mechanism of respiration  
|      |             |                     | *Demonstrate spirometry | *Lecture discussion  
|      |             |                     | *Functions of respiratory organs  
|      |             |                     | *Physiology of respiration  
|      |             |                     | *Pulmonary ventilation, Volume  
|      |             |                     | *Mechanics of respiration  
|      |             |                     | *Gaseous exchange in lungs  
|      |             |                     | *Carriage of oxygen and carbon-di oxide  
|      |             |                     | *Exchange of gases in tissues  
|      |             |                     | *Regulation of respiration Alterations in disease Applications and implications in nursing | *Explain using charts, films  
|      |             |                     | *Demonstration of spirometry | *Short answer questions  
|      |             |                     | *Objective type |
| VII  | 6           | *Describe the physiology of digestive system  
|      |             |                     | *Demonstrate BMR | *Lecture discussion  
|      |             |                     | *Functions of organs of digestive tract, movements of alimentary tract, digestion in mouth, stomach, small intestines, absorption of food, functions of liver, gall bladder and pancreas  
|      |             |                     | *Metabolism of carbohydrates, protein and fat | *Explain using charts, films  
|      |             |                     | *Objective type | *Short answer questions  
<p>|      |             |                     | *Objective type |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| VIII | 5           | *Describe the physiology of excretory system | **The Excretory System**  
*Functions of kidneys, ureters, urinary bladder and urethra  
*Composition of urine  
*Mechanism of urine formation  
*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 Organs**  
*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 | *Functions of Pituitary, Pineal body, Thymus, Thyroid, Parathyroid, Pancreas, Suprarenal, Placenta and Ovaries and 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 system | *Reproduction of cells- DNA, Mitosis, Meosis, Spermatogenesis, Oogenesis  
*Functions of female reproductive organs: Functions of breast, female sexual cycle  
*Introduction to embryology  
*Functions of male reproductive organs: Male fertility system  
Alterations in disease  
Applications and implications in nursing | *Lecture discussion  
*Explain using charts, films, models, specimens | *Short answer questions  
*Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| XII  | 2           | *Describe the physiology of Lymphatic and Immunological System | **Lymphatic and Immunological System**  
*Circulation of lymph  
*Immunity  
- Formation of T-Cells and B- Cells  
- Types of Immune response  
- Antigens  
- Cytokines  
- Antibodies | *Lecture discussion  
*Explain using charts, films | *Short answer questions  
*Objective type |

**Bibliography:**

**Textbook:**


**Suggested Reference:**

# Nutrition

**Placement:** SECOND SEMESTER

**Time:** Theory – 60 Hrs.

**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 the practice of nursing.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
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<th>Learning objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>4</td>
<td></td>
<td>*Describe the relationship between nutrition &amp; health</td>
<td><strong>Introduction</strong>&lt;br&gt;*Nutrition:&lt;br&gt;- History&lt;br&gt;- Concepts&lt;br&gt;*Role of nutrition in maintaining health&lt;br&gt;*Nutritional problems in India&lt;br&gt;*National Health Policy&lt;br&gt;*Factors affecting food and nutrition: socio economic, cultural, tradition, production, system of distribution, life cycle and food habits etc.,&lt;br&gt;*Role of food and its medicinal value&lt;br&gt;*Classification of foods&lt;br&gt;*Elements of nutrition: macro and micro&lt;br&gt;*Calorie, BMR</td>
<td>* Lecture Discussion&lt;br&gt;*Explaining using charts&lt;br&gt;*Panel discussion</td>
<td>Short answers&lt;br&gt;*Objective type</td>
</tr>
<tr>
<td>II</td>
<td>2</td>
<td></td>
<td>*Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates</td>
<td><strong>Carbohydrates</strong>&lt;br&gt;*Classification&lt;br&gt;*Caloric value&lt;br&gt;*Recommended daily allowances&lt;br&gt;*Dietary Sources&lt;br&gt;*Functions&lt;br&gt;*Digestion, Absorption, Storage and Metabolism of carbohydrates&lt;br&gt;*Malnutrition: Deficiencies and Over consumption</td>
<td>* Lecture Discussion&lt;br&gt;*Explaining using charts</td>
<td>Short answers&lt;br&gt;*Objective type</td>
</tr>
<tr>
<td>III</td>
<td>2</td>
<td></td>
<td>*Describe the classification, functions, sources and</td>
<td><strong>Fats</strong>&lt;br&gt;*Classification&lt;br&gt;*Caloric value&lt;br&gt;*Recommended daily</td>
<td>* Lecture Discussion&lt;br&gt;*Explaining using charts</td>
<td>Short answers&lt;br&gt;*Objective type</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs.)</td>
<td>Learning objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Evaluation</td>
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</tbody>
</table>
|      |             | recommended daily allowances (RDA) of Fats | allowances  
* Dietary Sources  
* Functions  
* Digestion, Absorption, Storage and Metabolism of carbohydrates  
* Malnutrition: Deficiencies and Over consumption | * Lecture Discussion  
* Explaining using charts | Short answers * Objective type |
| IV   | 2           | * Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins | **Proteins**  
* Classification  
* Caloric value  
* Recommended daily allowances  
* Dietary Sources  
* Functions  
* Digestion, Absorption, Storage and Metabolism of carbohydrates  
* Malnutrition: Deficiencies and Over consumption | * Lecture Discussion  
* Explaining using charts | Short answers * Objective type |
| V    | 3           | * Describe the daily calorie requirement for different categories of people | **Energy**  
* Unit of Energy – Kcal  
* Energy requirements of different categories of people  
* Measurements of energy  
* Body Mass Index (BMI) and basic metabolism  
* Basal Metabolic Rate (BMR) – determination and factors affecting | * Lecture Discussion  
* Explaining using charts  
* Exercise  
* Demonstration | Short answers * Objective type |
| VI   | 4           | * Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins | **Vitamins**  
* Classification  
* Caloric value  
* Recommended daily allowances  
* Dietary Sources  
* Functions  
* Absorption, synthesis, metabolism, storage and excretion  
* Deficiencies  
* Hypervitaminosis | * Lecture Discussion  
* Explaining using charts | Short answers * Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Learning objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>VII</td>
<td>4</td>
<td>*Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals</td>
<td>Minerals</td>
<td>*Lecture Discussion *Explaining using charts</td>
<td>Short answers *Objective type</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*Classification *Caloric value *Recommended daily allowances *Dietary Sources *Functions *Absorption, synthesis, metabolism, storage and excretion *Deficiencies *Over consumption and toxicity</td>
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</tr>
<tr>
<td>VIII</td>
<td>3</td>
<td>*Describe the sources, functions and requirements of Water &amp; Electrolytes</td>
<td>Water &amp; Electrolytes</td>
<td>*Lecture Discussion *Explaining using charts</td>
<td>Short answers *Objective type</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*Water: Daily requirements, regulation of water metabolism, distribution of body water *Electrolytes: Types, Sources. Composition of body fluids *Maintenance of fluid &amp; electrolyte balance *Over hydration, dehydration and water intoxication *Electrolyte imbalances</td>
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<tr>
<td>IX</td>
<td>5 15</td>
<td>*Describe the cookery rules and preservation of nutrients *Prepare and serve simple beverages and different types of foods</td>
<td>Cookery rules and preservation of nutrients</td>
<td>*Lecture Discussion *Demonstration *Practice session</td>
<td>*Short answers *Objective type</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*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</td>
<td></td>
<td></td>
<td>*Assessment of practice sessions</td>
</tr>
<tr>
<td>X</td>
<td>7 5</td>
<td>*Describe the plan, balanced diet for different categories of people</td>
<td>Balance Diet</td>
<td>*Lecture Discussion *Explaining using charts *Practice session *Meal planning</td>
<td>*Short answers *Objective type</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*Elements *Food groups *Recommended Daily Allowance *Nutritive value of foods *Calculation of balanced diet for different categories of</td>
<td></td>
<td></td>
<td>*Exercise on menu planning</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs.) Th. Pr.</td>
<td>Learning objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Evaluation</td>
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</tbody>
</table>
| XI   | 4                   | *Describe various national programs related to nutrition  
*Describe the role of nurse in assessment of nutritional status and nutrition education | **Role of Nurse in Nutritional Programs**  
*National, programs related to nutrition  
- Vitamin A deficiency program  
- National iodine deficiency disorders (IDD) program  
- Mid-day meal program  
- Integrated child development scheme (ICDS)  
*National and Inter national agencies working towards food / nutrition  
- 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 with Slide / Film shows  
*Demonstration of Assessment of nutritional status | *Short answers  
*Objective type |

**Bibliography**

**Textbook**


**Reference:**

# Biochemistry

**Placement:** SECOND SEMESTER  
**Time:** Theory – 30 Hrs.

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 3           | *Describe the structure, composition and functions of cell  
*Differentiate between Prokaryote and Eukaryote cell  
*Identify techniques of Microscopy | **Introduction**  
*Definition and significance in nursing  
*Review of structure, composition and functions of cell  
*Prokaryote and Eukaryote cell organism  
*Microscopy | *Lecture discussion using charts, slides  
*Demonstrate use of microscope | *Short answer questions  
*Objective type |
| II   | 6           | *Describe structure and functions of cell membrane | **Structure and functions of cell membrane**  
*Fluid mosaic model tight junction, Cytoskeleton  
Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump  
*Acid Base balance maintenance & Diagnostic tests  
- PH Buffers | *Lecture discussion | *Short answer questions  
*Objective type |
| III  | 6           | *Explain the metabolism of carbohydrates | **Composition and metabolism of Carbohydrates**  
*Types, structure, composition and uses  
- Monosaccharides  
- Disaccharides  
- Polysaccharides  
- Oligosaccharides  
*Metabolism  
Pathways of glucose:  
- Glycolysis  
- Glyuconeogenesis: Cori’s cycle, | *Lecture discussion  
*Demonstration of blood glucose monitoring | *Short answer questions  
*Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV</td>
<td>4</td>
<td>* Explain the metabolism of Lipids</td>
<td><strong>Composition and metabolism of Lipids</strong>&lt;br&gt;*Types, structure, composition and uses of fatty acids&lt;br&gt; - Nomenclature, Roles and Prostaglandins&lt;br&gt;*Metabolism of fatty acid&lt;br&gt; - Breakdown&lt;br&gt; - Synthesis&lt;br&gt;*Metabolism of triacylglycerols&lt;br&gt;*Cholesterol metabolism&lt;br&gt;Biosynthesis and its Regulation&lt;br&gt; - Bile salts and bilirubin&lt;br&gt; - Vitamin D&lt;br&gt; - Steroid hormones&lt;br&gt;*Lipoproteins and their functions:&lt;br&gt; - VLDLs – IDLs, LDLs and HDLs&lt;br&gt; - Transport of lipids&lt;br&gt; - Atherosclerosis, Investigations and their interpretations</td>
<td>*Lecture discussion&lt;br&gt;*Demonstration of Laboratory tests</td>
<td>*Short answer questions&lt;br&gt;*Objective type</td>
</tr>
<tr>
<td>V</td>
<td>6</td>
<td>Explain the metabolism of Amino acids and proteins</td>
<td><strong>Composition and metabolism of Amino acids and Proteins</strong>&lt;br&gt;*Types, structure, Composition and uses of Amino acids and proteins&lt;br&gt;*Metabolism of Amino acids and proteins&lt;br&gt; - Protein synthesis, targeting and glycosylation&lt;br&gt; - Chromatography&lt;br&gt; - Electrophoresis&lt;br&gt; - Sequencing&lt;br&gt;*Metabolism of Nitrogen:&lt;br&gt; - Fixation and Assimilation&lt;br&gt; - Urea Cycle&lt;br&gt; - Hemes and chlorophylls</td>
<td>*Lecture discussion&lt;br&gt;*Demonstration of Laboratory tests</td>
<td>*Short answer questions&lt;br&gt;*Objective type</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs.)</td>
<td>Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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</table>
|      |             |            | *Enzymes and co – enzymes  
- Classification  
- Properties  
- Absorption  
- Storage & transportation  
- Normal concentration, Investigations and their interpretations | | |
| VI   | 8           | *Describe the types, composition and utilization of Vitamins & minerals | **Composition of Vitamins and Minerals**  
*Vitamins and minerals:  
- Structure  
- Classification  
- Properties  
- Absorption  
- Storage & transportation  
- Normal concentration Investigations and their interpretations | *Lecture discussion  
*Demonstration of Laboratory tests | |
| VII  | 3           | *Describe Immunochemistry | **Immunology**  
*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  
*Demonstration of Laboratory tests | *Short answer questions  
*Objective type |
Bibliography:

Textbook:


Suggested Reading:

# Community Health Nursing – I

**Placement:** THIRD SEMESTER  
**Time:** Theory – 90Hrs.  
Practical –135Hrs.

**Course description:** This course is designed for students to appreciate the principles of promotion and maintenance of health.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs.)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Methods</th>
<th>Assessment Methods</th>
</tr>
</thead>
</table>
| I    | 2           | *Describe the concept and dimensions of health | **Introduction**  
*Community health nursing  
*Definition, concepts, and dimensions of health  
*Promotion of health  
*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 and 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  
*Socio – cultural  
- Customs, taboos  
- Marriage system  
- Family structure  
- Status of special groups: Females, Children, Elderly, Challenged groups and Sick persons  
*Life Style  
*Hygiene  
*Physical activity | *Lecture Discussion  
*Explain using charts, graphs, models, films, slides  
*Visits to water supply, sewage disposal, milk plants, slaughter house etc., | *Essay type  
*Short answers  
*Objective type |
| III | 10 | *Describe concepts, scope, uses, methods and approaches of epidemiology | Epidemiology  
*Definition, concept, aims, scope, uses and terminology used in epidemiology  
*Dynamics of disease  
Transmission: Epidemiological triad  
*Morbidity and mortality: Measurements  
*Levels of prevention  
*Methods of epidemiology of - Descriptive  
- Analytical: Epidemic investigation  
- Experimental | *Lecture Discussion  
*Explain using charts, graphs, models, films, slides | *Essay type  
*Short answers |
| IV | 25 | *Describe Epidemiology and nursing management of common communicable diseases | Epidemiology and nursing management of common communicable diseases  
*Respiratory infections  
- Small pox  
- Chicken pox  
- Measles  
- Influenza  
- Rubella  
- ARI’s & Pneumonia  
- Mumps  
- Diphtheria  
- Whooping cough  
- Meningococcal meningitis  
- Tuberculosis  
- SARS  
*Intestinal Infections  
- Poliomyelitis  
- Viral Hepatitis  
- Diarrhoeal diseases  
- Typhoid fever  
- Food poisoning  
- Amoebiasis  
- Hook worm infection | *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 |
<table>
<thead>
<tr>
<th>V</th>
<th>10</th>
<th>*Describe the Epidemiology and nursing management of common Non-communicable diseases</th>
<th>*Epidemiology and nursing management of common Non-communicable diseases</th>
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<tbody>
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<td></td>
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<td>*Malnutrition: Under nutrition, over nutrition, nutritional deficiencies</td>
<td>*Malnutrition: Under nutrition, over nutrition, nutritional deficiencies</td>
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<td>*Anaemia</td>
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<td>*Hypertension</td>
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<td>*Stroke</td>
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<td>*Rheumatic Heart Disease</td>
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<td>*Coronary Heart Disease</td>
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<td>*Cancer</td>
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<td>*Diabetes mellitus</td>
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<td>*Blindness</td>
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<td>*Accidents</td>
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<td>*Mental illness</td>
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<td>*Obesity</td>
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<td>*Iodine deficiency</td>
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<td>*Fluorosis</td>
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<td>*Epilepsy</td>
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</tbody>
</table>

* 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
| VI   | 6   | *Describe the concepts and scope of demography *Describe methods of data collection, analysis and interpretation of demographic data | **Demography**  
*Definition, concepts 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 and 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  
    - Emergency contraception | *Lecture Discussion  
*Counseling  
*Demonstration  
*Practice session  
*Supervised field practice | *Essay type  
*Short answers  
*Objective type  
*Assessment of Survey report |
Bibliography:

Textbook:


Suggested Reference:

# Community Health Nursing I - Practical

**Placement:** THIRD SEMESTER  
**Time:** Practical – 135 Hrs.

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration (in weeks)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment Methods</th>
</tr>
</thead>
</table>
| Community health nursing   | 2 Wks urban and 2wks rural | -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 | -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 Haemoglobin and sugar, urine for albumin and sugar  
-Administer vaccines and medications to adults  
-Counsel and teach individual, family and community  
-Nutrition  
-Hygiene  
-Self health monitoring  
-Seeking health services  
-Healthy life style  
-Family welfare methods  
-Health promotion | -To work with 2 assigned families each in urban and rural  
-Family study  
-Family study-1  
-Observation report of community-1  
-Health talks-2(1 in urban and in rural) | -Assess clinical performance with rating scale  
-Assess each skill with checklist  
-Evaluation of family study, observation report and health talk  
-Completion of activity record |

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Microbiology

Placement: THIRD SEMESTER

Time: 60 Hours (Theory 45+15 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.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs) Th.Pr.</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Methods</th>
<th>Assessment Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>5</td>
<td>Explain concepts and principles of microbiology and their importance in nursing</td>
<td>Introduction: • Importance and relevance to nursing • Historical perspective • Concepts and terminology • Principles of microbiology</td>
<td>Lecture Discussion</td>
<td>Short answers • Objective type</td>
</tr>
<tr>
<td>II</td>
<td>10 5</td>
<td>Describe structure, classification morphology and growth of bacteria • Identify Micro-organisms</td>
<td>General Characteristics of Microbes • Structure and classification of Microbes • Morphological types • Size and form of bacteria • Mortality • Colonization • Growth and nutrition of microbes o Temperature o Moisture o Blood and body fluids • Laboratory methods for Identification of Microorganisms • Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation Culture; various medias</td>
<td>Lecture Discussion • Demonstration</td>
<td>Short answers • Objective type</td>
</tr>
<tr>
<td>III</td>
<td>10 2</td>
<td>Describe the methods of infection control • Identify the role of nurse in hospital infection</td>
<td>Infection control • Infection: Sources, portals of entry and exit, transmission • Asepsis • Disinfection: Types and methods • Sterilization; Types and methods</td>
<td>Lecture Discussion • Demonstration • Visits to CSSD • Clinical practice</td>
<td>Short answers • Objective type</td>
</tr>
</tbody>
</table>
| Control Programme | • Chemotherapy and antibiotics  
• Standard safety measures  
• Biomedical waste management  
• Role of Nurse  
• Hospital acquired infection  
• Hospital infection control programme  
Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse’s accountability, continuing education etc., | IV | 12 | 4 | • Describe the different disease producing organisms  
Pathogenic organisms  
• Micro-organisms  
  o Cocci-gram positive and gram negative  
  o Bacilli-gram positive and gram negative  
  o Spirochaete  
  o Mycoplasma  
  o Rickettsiae  
  o 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  
• Clinical practice | • Short answers  
• Objective type |
| V | 8 | 4 | Explain the concept of immunity, hypersensitivity and immunization | **Immunity**  
- Immunity – Types, classification  
- Antigen and antibody reaction  
- Hypersensitivity – skin test  
- Immuno prophylaxis  
- Vaccines & sera-Types & Classification, storage and handling, cold chain  
- Immunization for various diseases  
- Immunization Schedule | **Lecture Discussion**  
- Demonstration  
- Visits to CSSD  
- Clinical practice | **Short answers**  
- Objective type |

**Bibliography:**

**Textbook:**


**Suggested Reference:**

Pharmacology

Placement: THIRD SEMESTER

Time: Theory – 45 Hours

Course Description: This course is designed to enable students to acquire understanding pharmacodynamics, pharmacokinetics, principles of therapeutics and nursing implications.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Methods</th>
<th>Assessment Method</th>
</tr>
</thead>
</table>
| I    | 3          | *Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration | Introduction to pharmacology  
- 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  
- Pharmacology of commonly used:  
  o Penicillin  
  o Cephalosporins  
  o Aminoglycosides  
  o Macrolide & Broad Spectrum Antibiotics  
  o Sulfonamides  
  o Quinolones  
  o Antiamoebic  
  o Antimalarial  
  o Anthelmintics  
  o Antiscabies agents  
  o Antiviral & antifungal agents  
  o Antitubercular drugs | Lecture Discussion  
Drug study presentation | Short answers  
Objective type |
| III  | 2   | - Describe Antiseptics, disinfectants, insecticides and nurse’s responsibilities. |
| ---  | ---  | Pharmacology of commonly used antiseptic, disinfectants and insecticides |
|      |      | - Antiseptics: Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse |
|      |      | - Disinfectants |
|      |      | - Insecticides |
|      |      | • Lecture discussion |
|      |      | • Drug study / presentation |
|      |      | • Short answers |
|      |      | • Objective type |

<p>| IV  | 2   | - Describe drugs action on Gastro Intestinal system and nurse’s responsibilities |
| ---  | ---  | Drugs acting on G.I. system |
|      |      | - Pharmacology of commonly used |
|      |      |   - Antiemetics |
|      |      |   - Emetics |
|      |      |   - Purgatives |
|      |      |   - Antacids |
|      |      |   - Cholinergic |
|      |      |   - Anticholinergics |
|      |      |   - Fluid and electrolyte |
|      |      |   - 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 |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Methods</th>
<th>Assessment Method</th>
</tr>
</thead>
</table>
| V    | 2          | • Describe drug used on Respiratory Systems and nurse’s responsibilities | **Drugs used on Respiratory Systems**  
• Pharmacology of commonly used  
o Antischamtics  
o Mucolytics  
o Decongestants  
o Expectorants  
o Antitussives  
o Bronchodilators  
o Broncho constrictors  
o Antihistamines  
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 |
| VI   | 2          | • Describe Drugs used on Urinary System and nurse’s responsibilities | **Drugs used on Urinary System**  
• Pharmacology of commonly used  
o Diuretics and antidiuretics  
o Urinary antiseptics  
o Cholinergic and anticholinergics  
o Acidifiers and alkalanizers  
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 dead diction, emergency, deficiency of vitamins and minerals, | **Miscellaneous**  
• Drugs used in de-addiction  
• Drugs used in CPR and emergency  
• Vitamins and minerals  
• Immunosuppresants | • Lecture Discussion  
• Drug study / presentation | • Short answers  
• Objective type |
| VIII | 1 | • Describe Drugs and on skin and mucous membranes and nurse’s responsibilities | **Drugs used on skin and mucous membranes**  
• Topical applications for skin, eye, ear, nose and buccal cavity  
Antipruritics  
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 |
| IX | 8 | *Describe drugs used on Nervous system and Nurses responsibilities | **Drugs acting on Nervous system**  
Basic and applied pharmacology of commonly used:  
- Analgesics and Anaesthetics  
- Analgesics  
- Non-steroidal antiinflammatory (NSAID) drugs  
- Antipyretics  
- Hypnotics and sedatives  
- Opioids  
- Non-opioids  
- Tranquilizers  
- General and local anaesthetics  
- Gases  
- Oxygen  
- Nitrous Oxide  
- Carbon dioxide  
Cholinergic and anticholinergics:  
- Muscle relaxants  
- Major tranquilizers  
- Ant-psychotics |
<table>
<thead>
<tr>
<th>X</th>
<th>5</th>
<th>Describe Drugs used on Cardiovascular systems and nurse’s responsibilities</th>
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<tr>
<td></td>
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<td>Cardiovascular drugs</td>
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<td>• Haematinics</td>
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<td>• Cardiotonics</td>
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<td>• Anti anginals</td>
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<td>• Anti-hypertensives &amp; Vasodilators</td>
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<td>• Anti-arrhythmics</td>
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<td>• Plasma expanders</td>
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<td>• Coagulants &amp; anticoagulants</td>
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<td>• Antiplatelets &amp; thrombolytics</td>
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<td>• Hypolipidemics</td>
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<td>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</td>
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<tr>
<td>XI</td>
<td>4</td>
<td>Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse’s responsibilities</td>
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<td>Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy</td>
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<td>• Insulins &amp; Oral hypoglycemics</td>
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<td>• Thyroid supplements and suppressants</td>
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<td>• Steroids, Anabolics</td>
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<td>• Uterine stimulants and relaxants</td>
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<td>• Oral contraceptives</td>
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<td>• Other estrogen-progestrone preparations</td>
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<td>• Corticotrophine &amp; Gonadotropines</td>
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<td>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</td>
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<td>Lecture Discussion</td>
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<td>Drug study / presentation</td>
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<td>Short answers</td>
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<td>Objective type</td>
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</table>
| XII | 6 | • Demonstrate awareness of the common drugs used in alternative system of medicine | Introduction to drugs used in alternative systems of medicines
- Ayurveda, Homeopathy, Unani and Siddha etc | • Lecture Discussion
- Drug study / presentation | • Short answers
- Objective type |

**Bibliography:**

**Textbook:**


**Suggested References:**

Pathology and Genetics

Section A - Pathology

Placement: THIRD SEMESTER

Time: Theory – 45 hours (pathology 30 & Genetics 15 hrs)

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Methods</th>
<th>Assessment Method</th>
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<tbody>
<tr>
<td>I</td>
<td>3</td>
<td>• Define the common terms used in pathology&lt;br&gt;• Appreciate the deviations from normal to abnormal structure and functions of the body system</td>
<td><strong>Introduction:</strong>&lt;br&gt;*Importance of the study of pathology&lt;br&gt;- Definition of terms&lt;br&gt;- Methods and techniques&lt;br&gt;- Cellular and Tissue changes&lt;br&gt;- Infiltration and regeneration&lt;br&gt;- Inflammations and infections&lt;br&gt;- Wound healing&lt;br&gt;- Vascular changes&lt;br&gt;*Cellular growth, Neoplasms&lt;br&gt;- Normal and Cancer cell&lt;br&gt;- Benign and Malignant growths&lt;br&gt;- In situ carcinoma&lt;br&gt;- Disturbances of fluid and electrolyte imbalance</td>
<td>• Lecture Discussion&lt;br&gt;• Explain using Charts</td>
<td>• Short answers&lt;br&gt;• Objective vetype</td>
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<td>II</td>
<td>10</td>
<td>5 * Explain Pathological changes in disease conditions of various systems</td>
<td><strong>Special pathology</strong>&lt;br&gt;• Pathological changes in disease conditions of various systems.&lt;br&gt;• Respiratory tract&lt;br&gt;- Tuberculosis, Bronchitis, Pleural effusion and Pneumonia&lt;br&gt;- Lung abscess, Emphysema, Bronchiectasis&lt;br&gt;- Bronchial asthma, COPD &amp; Tumors&lt;br&gt;• Cardio-vascular system&lt;br&gt;  o Pericardial effusion&lt;br&gt;  o Rheumatic heart disease&lt;br&gt;  o Infective endocarditis, atherosclerosis&lt;br&gt;  o Ischemia, infarction &amp; aneurysm&lt;br&gt;• Gastro Intestinal Tract&lt;br&gt;  o Peptic ulcer, typhoid</td>
<td>• Lecture Discussion&lt;br&gt;• Explain using Charts, slides, specimens, X-rays and Scans&lt;br&gt;• Visits to Pathology lab, endoscopy unit and OT</td>
<td>• Short answers&lt;br&gt;• Objective vetype</td>
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<td>System</td>
<td>Conditions</td>
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<td>GI tract</td>
<td>Carcinoma of GI tract buccal, Esophageal, Gastric &amp; intestinal</td>
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<td>Hepatitis, Chronic liver abscess, cirrhosis</td>
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<td>Tumours of liver, gall bladder and pancreas</td>
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<td>Cholecystitis</td>
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<td>Kidneys &amp; Urinary tract</td>
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<td>Glomerulonephritis, pyelonephritis</td>
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<td>Calculi, renal failure, renal carcinoma &amp; cystitis</td>
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<td>Male genital systems</td>
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<td>Cryptorchidism, testicular atrophy</td>
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<td>Prostatic hyperplasia, carcinoma penis &amp; prostate</td>
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<td>Female genital system</td>
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<td>Fibroids</td>
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<td>Carcinoma cervix and Endometrium</td>
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<td>Vesicular mole, choriocarcinoma</td>
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<td>Ectopic gestation</td>
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</table>
| III  | 4          | ● 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 prothrombine time  
  ○ Blood group and cross matching  
  ○ Blood chemistry  
  ○ Blood culture  
  ○ Serological and immunological test  
  ○ 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 & Bio-Chemistry lab and Blood bank | ● Short answers  
● Objective type |
| IV   | 2          | ● Describe the laboratory tests for examination of body cavity fluids, transudates and exudates | Examination of body cavity fluids, transudates and exudates  
- The laboratories tests used in CSF analysis  
- Examination of other body cavity fluids, transudates and exudates – sputum, wound discharge  
- Analysis of gastric and duodenal contents  
- Analysis of semen-sperm count, motility and morphology and their importance in infertility | ● Lecture Discussion  
● Demonstration | ● Short answers  
● Objective type |
• Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Methods</th>
<th>Assessment Method</th>
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</thead>
</table>
| V    | 1          | Describe the laboratory tests for examination of Urine and faeces | **Urine and faeces**  
- Urine  
  o Physical characteristics  
  o Analysis  
  o Culture and sensitivity  
- Faeces  
  o Characteristics  
  o 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 |

References:

**Textbook:**


**Suggested References:**

**Section – B Genetics**

**Placement**: THIRD SEMESTER  

**Time**: Theory – 45 Hours

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

<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Methods</th>
<th>Assessment Method</th>
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</thead>
</table>
| I    | 3          | • Explain nature, principles and perspectives of heredity | **Introduction**:  
  • Practical application of genetics in Nursing  
  • Impact of genetic condition on families  
  • Review of cellular division mitosis and meiosis.  
  • Characteristics and structure of genes  
  • Chromosomes – sex determination  
  • Chromosomal aberrations  
  Patterns of inheritance  
  o Mendalian theory of inheritance  
  o Multiple allots and blood groups  
  o Sex linked inheritance  
  o Mechanism of inheritance  
  o Errors in transmission (Mutation) | • Lecture discussion  
  • Explain using charts, slides | • Short answers  
  • Objective type |
| II   | 3          | • Explain Maternal, prenatal and genetic influences on development of defects and disease | **Maternal, prenatal and genetic influences on development of defects and diseases**  
  • Conditions affecting the mother; genetic and infections  
  • Consanguinity atopy  
  • Prenatal nutrition and food allergies.  
  • Maternal age  
  • Maternal drug therapy  
  • Prenatal testing and diagnosis | • Lecture Discussion  
  • Explain using charts, slides | • Short answers  
  • Objective type |
### III 2
- Explain the screening methods for genetic defects and diseases in neonates and children

**Genetic testing in the neonates and children**
- Screening for
  - Congenital abnormalities
  - Developmental delay
  - Dysmorphism

- Lecture discussion
- Explain using charts, slides

### IV 2
- Identify genetic disorders in adolescents and adults

**Genetic conditions of adolescents and adults**
- Cancer genetics – Familial Cancer
- Inborn errors of metabolism
- Blood group alleles and haematological disorder
- Genetic haemochromatosis
- Huntington’s disease
- Mental illness

- Lecture discussion
- Explain using charts, slides

### V 5
- Describe the role nurse in genetic services and counseling

**Services related to Genetics**
- Genetic testing
- Human genome project
- Gene therapy
- The Eugenics movement
- Genetic Counseling Legal and Ethical issues
- Role of nurse

- Lecture discussion

### Bibliography:
1. Read (A), New Clinical Genetics, Scion Publishers, New Delhi, 2007
2. Gangane (SD), Human Genetics, J. P. Brothers Publication, New Delhi, 2000
Medical Surgical Nursing  
(Adult including Geriatries)-I

**Placement**: SECOND YEAR(Third and Fourth Semester)

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
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</thead>
</table>
| 1    | 15         | Appreciate the trends in medical and surgical nursing.  
Describe the role of a nurse in caring for adult patient in hospital and community.  
Describe the concepts of Medical Surgical asepsis. | **Introduction:**  
- Introduction to medical surgical nursing-Evolution and trends of medical and surgical nursing  
- Review of Concepts of Health and illness Disease-concepts, causations, classification-International Classification Diseases(ICD -10 or later version), Acute illness chronic stages if illness  
- Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process  
- Role of Nurse, patient and family in care of adult patient  
- Role and responsibilities of a nurse in medical surgical settings:  
  - Outpatient department.  
  - In-patient unit.  
  - Intensive care unit  
  - Home and Community setting  
- Introduction to Medical Surgical asepsis  
  - Inflammation and Infection  
  - Immunity  
  - Wound healing  
- Care of Surgical Patient  
  - Pre-operative  
  - Intra operative  
  - Post Operative | • Lecture discussion  
• Demonstration  
• Practice session  
• Supervised clinical practice | • Short answers  
• Objective Type  
• Assessment of skills with check list |
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
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<tr>
<td>II</td>
<td>20</td>
<td>• Describe the common signs, symptoms, problems and their Specific nursing interventions</td>
<td>Common signs and symptoms and management  - Fluid and electrolyte imbalance  - Vomitting  - Dyspnea and cough, respiratory obstruction  - Fever  - Shock  - Unconsciousness, syncope  - Pain  - Incontinence  - Edema  - Age related problems-geriatric</td>
<td>• Lecture discussion  • Seminar  • Case discussion</td>
<td>• Short answers  • Objective type</td>
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<tr>
<td>III</td>
<td>20</td>
<td>• Describe the etiology, pathophysiology, clinical manifestation s, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems</td>
<td><strong>Nursing management of patients (adults including elderly) with respiratory problems</strong>  - Review of anatomy and physiology of respiratory system,  - Nursing Assessment –History and Physiology assessment  - Etiology, Pathophysiology,  - Clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of adult including elderly with –  - Upper Respiratory tract infections.  - Bronchitis  - Asthma  - Emphysema  - Empyema  - Atelectasis  - Chronic obstructive Pulmonary Diseases(COPD)  - Bronchiectasis  - Pneumonia  - Pulmonary tuberculosis  - Lung abscess  - Pleural effusion  - Cysts and Tumours  - Chest injuries</td>
<td>• Lecturer discussion  • Explain using Charts, graphs  • Models, films slides  • Demonstration  • Practice session  • Case discussions/ Seminar  • Health education  • Supervised clinical practice  • Drug book/ presentation</td>
<td>• Essay type  • Short answers  • Objective type  • Assessment of skills with check list  • Assessment of patient management problem</td>
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<td>Unit</td>
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<td>IV</td>
<td>30</td>
<td>• Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems</td>
<td><strong>Nursing management of patients (adults including elderly) with disorders of digestive system</strong>  - 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 &amp; nursing management  - Disorders of  o Oral cavity- lips, gums, tongue, salivary glands and teeth  o Oesophagus- inflammation, stricture, obstruction, bleeding and tumours  o Stomach and duodenum- hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis  o Small intestinal disorders- inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation  o Large intestinal disorders- Colitis, inflammation and infection, obstruction and tumour and lump</td>
<td>• Lecturer discussion  • Explain using Charts, graphs  • Models, films slides  • Demonstration  • Practice session  • Case discussions/ Seminar  • Health education  • Supervised clinical practice  Drug book/ presentation</td>
<td>• Essay type  • Short answers  • Objective type  • Assessment of skills with check list  Assessment of patient management problem</td>
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<td>Unit</td>
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| V    | 30         | ● Describe the etiology, pathophysiology, clinical manifestation, 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 patients (adults including elderly) with blood and cardiovascular problems**  
                      ● Review of anatomy and physiology of blood and cardiovascular 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  
                        ○ Artheriosclerosis  
                        ○ Raynaud’s disease  
                        ○ Aneurism and Peripheral vascular disorders  
                      ● Heart  
                        ○ Coronary artery diseases  
                        ○ Ischemic Heart Disease |  ● Lecturer 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 |
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<td>o Coronary atherosclerosis</td>
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<td>o Angina pectoris</td>
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<td>o Myocardial infarction</td>
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<td>• Valvular disorders of the heart</td>
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<td>o Rheumatic Heart diseases</td>
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<td>• Endocarditis, Pericarditis, Myocarditis</td>
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<td>• Cardio Myopathies</td>
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<td>• Cardiac dysrhythmias, Heart Block</td>
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<td>• Congestive cardiac failure</td>
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<td>o Cor-pulmonale, Pulmonary edema, cardiogenic shock, cardiac tamponade</td>
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<td>• Cardiac emergencies and arrest</td>
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<td>• Cardio Pulmonary Resuscitation (CPR)</td>
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<td>o Polycythemis</td>
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<td>o Bleeding disorders; clotting factor defects and platelets defects</td>
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<td>o Thalassemia</td>
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<td>o Leukopenias and agranulocytosis</td>
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<td>• Special therapies</td>
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<td>o Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion.</td>
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| VI   | 10         | • Describe the etiology, pathophysiology clinical manifestation s, diagnostic measures and management of patients (adults including elderly) with disorders of genitor-urinary system | Nursing management of patients (adults including elderly) with genitor-urinary problems  
- Review of anatomy and physiology of genitor-urinary system  
- Nursing Assessment – History and Physical assessment  
- Etiology, Phophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & Nursing management of –  
  - Nephritis  
  - Nephrotic syndrome  
  - Nephrosis  
  - Renal calculus  
  - Tumours  
  - Acute renal failure  
  - Chronic renal failure  
  - End stage renal transplant  
  - Congenital disorders, urinary bladder and urethra-inflammation, infection, stricture, obstruction, tumour, prostrate  
Special therapies, alternative therapies  
Nursing procedures  
Drugs used in treatment of genitor-urinary disorders | • Lecturer 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 patients (adults including elderly) reproductive system | • Lecture discussion  
• Explain using | • Essay type  
• Short answers |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
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</thead>
</table>
| VIII | 25        | clinical manifestation s, diagnostic measures and management of patients (adults including elderly) with disorders of genitourinary system | • 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 malformation; cryptorchidism  
• Hypospadiasis, Epispadiasis  
• Infections  
• Testis and adjacent structures  
• Penis  
• Prostate: inflammation, infection, hypertrophy, tumour  
• Sexual Dysfunction  
• Infertility  
• Contraception  
• Brest; 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 | • Essay type  
• Short answers  
• Objective type  
• Assessment of skills with check list  
Assessment of patient management problem |
|     |           | Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system | **Nursing management of patients (adults including elderly) with disorders of endocrine system**  
• Review of anatomy and physiology endocrine system.  
• Nursing Assessment – History and Physical assessment  
• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of Thyroid and Parathyroid | Lecturer discussion  
• Explain using Charts, graphs  
• Models, films slides  
• Demonstration  
• Practice session  
• Case discussions/ Seminar  
• Health education  
• Supervised clinical practice, Drug book/presentation | • Essay type  
• Short answers  
• Objective type  
• Assessment of skills with check list  
Assessment of patient management problem |
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<th>Assessment Methods</th>
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</table>
|      | 10         | Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of Skin | **Nursing management of patients (adults including elderly) with disorders of Integumentary system**  
- Review of anatomy and physiology of skin and its appendages.  
- Nursing Assessment – History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of skin and its appendages.  
  - Lesions and abrasions  
  - Infection and infestations; Dermatitis  
  - Dermatoses; infectious and non infectious “inflammatory dermatoses”  
  - Acne Vulgaris  
  - Allergies and Eczema  
  - Psoriasis  
  - Malignant melanoma  
  - Alopecia  
  Special therapies, alternative therapies  
  Nursing procedures Drugs used in treatment of disorders of Integumentary system |  
- Lecturer discussion  
- Explain using Charts, graphs  
- Models, films slides  
- Demonstration  
- Practice session  
- Case discussions/ Seminar  
- Health education  
- Supervised clinical practice, Drug book/presentation |  
- Essay type  
- Short answers  
- Objective type  
- Assessment of skills with check list  
- Assessment of patient management problem |
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<tbody>
<tr>
<td>X</td>
<td>15</td>
<td>Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system</td>
<td><strong>Nursing management of patients (adults including elderly) with Musculoskeletal problems</strong>&lt;br&gt;• Review of anatomy and physiology of musculoskeletal system.&lt;br&gt;• Nursing Assessment – History and Physical assessment&lt;br&gt;• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of –&lt;br&gt;• Disorders of :&lt;br&gt;  o Muscles, Ligaments and joints-inflammation, infection, trauma&lt;br&gt;  o Bones-inflammation, infection, dislocation, fracture, tumour and trauma&lt;br&gt;  o Osteomalacia and osteoporosis&lt;br&gt;  o Arthritis&lt;br&gt;  o Congenital deformities&lt;br&gt;  o Spinal column-defects and deformities, Tumor, Prolapsed inter vertebral disc, pott’s spine&lt;br&gt;  o Paget’s disease&lt;br&gt;• Amputation&lt;br&gt;• Prostheses&lt;br&gt;• Transplant &amp; replacement surgeries&lt;br&gt;• Rehabilitation, Special therapies, alternative therapies&lt;br&gt;• Nursing procedures&lt;br&gt;• Drugs used in treatment of disorder of musculoskeletal system</td>
<td>• Lecturer discussion&lt;br&gt;• Explain using Charts, graphs&lt;br&gt;• Models, films slides&lt;br&gt;• Demonstration&lt;br&gt;• Practice session&lt;br&gt;• Case discussions/ Seminar&lt;br&gt;• Health education&lt;br&gt;• Supervised clinical practice, Drug book/ presentation</td>
<td>• Essay type&lt;br&gt;• Short answers&lt;br&gt;• Objective type&lt;br&gt;• Assessment of skills with check list&lt;br&gt;• Assessment of patient management problem</td>
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<tr>
<td>XI</td>
<td>10</td>
<td>Describe the etiology, pathophysiology clinical manifestations, diagnostic</td>
<td><strong>Nursing management of patients (adults including elderly) with Immunological problems</strong>&lt;br&gt;• Review of Immune system. Nursing Assessment – History and Physical assessment</td>
<td>• Lecturer discussion&lt;br&gt;• Explain using Charts, graphs&lt;br&gt;• Models, films slides</td>
<td>• Essay type&lt;br&gt;• Short answers&lt;br&gt;• Objective type</td>
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<td>Unit</td>
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<td>measures and management of patients (adults including elderly) with disorders of musculoskeletal system</td>
<td>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of – • Immunodeficiency disorder • Primary immuno deficiency • Phagocytic dysfunction • B-cell and T-cell deficiencies • Secondary immunodeficiencies • Acquired immunodeficiencies • Acquired immunodeficiency syndrome (AIDS) • Incidence of HIV &amp; AIDS • Transmission-Prevention of Transmission • Standard safety precautions • Role of Nurse; Counseling • Health education and home care consideration • National AIDS Control Programe-NACO, various national and international agencies • Infection control program • Rehabilitation Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of Immunological system</td>
<td>• Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice, Drug book/presentation</td>
<td>• Assessment of skills with check list Assessment of patient management problem</td>
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<tr>
<td>XII</td>
<td>20</td>
<td>Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with communicable Disease</td>
<td>Nursing management of patients (adults including elderly) with Musculoskeletal problems • Review of anatomy and physiology of musculoskeletal system. • Nursing Assessment – History and Physical assessment Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common Communicable Diseases</td>
<td>• Lecturer discussion • Explain using Charts, graphs • Models, films slides • Demonstration • Practice session • Case discussions/ Seminar • Health education</td>
<td>• Essay type • Short answers • Objective type • Assessment of skills with check list Assessment of patient management problem</td>
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<td>o Tuberculosis</td>
<td>• Supervised clinical practice, Drug book/presentation</td>
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<td>o Diarrhoeal diseases</td>
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<td>o Hepatitis A-B</td>
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<td>o Herpes</td>
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<td>o Typhoid</td>
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<td>o Meningitis</td>
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<td>o Gas gangrene</td>
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<td>o Leprosy’</td>
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<td>o Dengue</td>
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<td>o Plague</td>
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<td>o Malaria</td>
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<td>o Diphtheria</td>
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<td>o Pertussis</td>
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<td>o Poliomyelitis</td>
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<td>o Measles</td>
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<td>o Filariasis</td>
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<td>o HIV, AIDS</td>
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<td>• Reproductive Tract Infections</td>
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<td>• Special Infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious Diseases Hospitals</td>
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<td>Special therapies, alternative therapies Nursing Procedures Drug used in treatment of Communicable diseases</td>
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<td></td>
<td>20</td>
<td>• Describe the Organisation and physical set up of operation theatre • Identify the various instruments and equipments used for</td>
<td></td>
<td>• Lecturer discussion • Explain using Charts, graphs • Models, films slides • Demonstration • Practice session • Supervised clinical practice • Drug book presentation</td>
<td>• Essay type • Short answers • Objective type • Assessment of skills with check list</td>
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<tr>
<td></td>
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<td>common surgical procedures</td>
<td>o Instruments, o Sutures and suture materials o Equipments o O.T. tables and sets for common surgical procedures o Positions and draping ;for common surgical procedures o Scrubbing procedures o Gowning and gloving o Preparation of O.T. Sets o Monitoring the patient during surgical procedures</td>
<td>Maintenance of therapeutic environment in O.T. Standard Safety measures o Infection control; fumigation, disinfection and sterilisation o Biomedical waste management o Prevention of accidents and hazards in O.T. Anaesthesia o Types o Methods of administration o Equipments o Drugs Cardio Pulmonary Resuscitation (CPR) Pain management techniques Legal Aspects</td>
<td></td>
</tr>
</tbody>
</table>
Bibliography:

Textbook:

1. Brunner (V), Medical Surgical Nursing, LWW, 10th Edition.

Suggested References:

2. Williams, Understanding Medical Surgical Nursing, Jaypee, 3rd Edition.
4. Lewis, Medical Surgical Nursing Assessment & Management of Clinical Problems, Elsevier 7th edition
7. Gulanick, Nursing Care Plans: Nursing Diagnosis & Interventions, Mosby, 5th edition
14. Thappa, Essential in Dermatology with MCQ’s, Ahuja publishing
# Medical Surgical Nursing
(Adult including Geriatrics)-I - Practical

**Placement:** Third and Fourth Semesters  
**Time:** 950 Hours

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<th>Areas</th>
<th>Duration (in week)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment Methods</th>
</tr>
</thead>
</table>
| General Medical Ward (* Respiratory, GI, Endocrine, Renal, Hematology) | 6 | - Provide nursing care to adult patients with medical disorders  
- Counsel and educate patients and families | - Assessment of the patient  
  o Taking history  
  o Perform general and specific physical examination  
  o Identify alterations and deviations  
- Practice medical surgical asepsis-Standard safety measures  
- Administer medications  
  o Oral, IV, IM, Subcutaneous  
- IV therapy  
  o IV canulation  
  o Maintenance and Monitoring  
- Oxygen therapy by different methods  
- Nebulization  
- Chest physiotherapy  
- 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  
  o Catheterisation  
  o Bowel wash | - Plan and give care to 3-4 assigned Patients  
- Nursing care plan -2  
- Nursing case study/presentation-1  
- Durg presentation-1  
- 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. |
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<tr>
<th>Areas</th>
<th>Duration (in week)</th>
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<tbody>
<tr>
<td>General Surgical Ward</td>
<td>6</td>
<td>Provide pre and post operative nursing care to adult patients with surgical disorders</td>
<td>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</td>
<td>Plan and give care to 3-4 assigned Patients • Nursing care plan-2 • Nursing case study/presentation-1 • Durg presentation-1 • Maintain drug book</td>
<td>Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/presentation • Completion of practical record</td>
</tr>
<tr>
<td>(GI, Urinary, CTVS)</td>
<td></td>
<td>Counsel and educate patients and families</td>
<td>Blood and component therapy • Practice universal precautions</td>
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<tr>
<td>Cardiology</td>
<td>2</td>
<td>Provide nursing care to patients with cardiac disorders</td>
<td>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</td>
<td>Plan and give care to 2-3 assigned patients • Nursing care Plan-1 • Nursing case study/ • Presentation/Health talk-1 • Maintain drug book</td>
<td>Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/presentation/health talk</td>
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<td>Areas</td>
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| Skin & Communicable diseases Ward | 1                  | • Identify skin problems                                                   | • Teach patients and families  
• Practice medical and surgical asepsis-Standard safety measures  
• Assessment of the patient with skin disorders  
• 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 | • Plan and give care to 2-3 assigned Patients  
• Health talk/Counseling HIV positive patients and families – 1  
• Maintain drug book | • Assess performance with rating scale  
• Evaluation health talk/Counseling session  
• Completion of activity record |
| Orthopedic ward             | 2                  | • Provide nursing care to patients with musculoskeletal disorders          | • 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 - 1  
• Nursing case study/presentation – 1  
• Maintain drug book | • Assess each performance With rating scale  
• Evaluation of Nursing care plan and Nursing case study/presentation  
• Completion of activity record |
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<th>Areas</th>
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<tr>
<td>Operation Theatre</td>
<td>6</td>
<td>• Identify instruments used in common operations</td>
<td>• Scrubbing, gowning, gloving</td>
<td>• Assist as a circulatory nurse in</td>
<td>• Assess performance with rating scale</td>
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<td>• Participate in infection control practices in the Operation Theatre</td>
<td>• Identify instruments, suturing materials for common operations</td>
<td>• Major cases-10</td>
<td>• Completion of activity record</td>
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<td>• Set-up the table/trolleys for common operative procedures</td>
<td>• Disinfection, Carbolization, fumigation</td>
<td>• Minor cases-10</td>
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<td>• Assist in giving anesthesia</td>
<td>• Preparation of instrument sets for common operations</td>
<td>• Assist as a scrub nurse in</td>
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<td>• Assist in the operative procedures</td>
<td>• Sterilization of sharps and other instruments</td>
<td>• Major cases-10</td>
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<td>• Provide peri-operative nursing care</td>
<td>• Prepare the OT table depending upon the operation</td>
<td>• Minor cases-5</td>
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<td>• Positioning and monitoring of patients</td>
<td>• Maintain drug book</td>
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<td>• Endotracheal intubation</td>
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<td>• Assisting in minor and major operations</td>
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<td>• Handling specimens</td>
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<td>• Disposal of waste as per the guidelines</td>
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<td>Skin &amp; Communicable diseases</td>
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<td>Ward</td>
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<td>ICU</td>
<td>2</td>
<td>• To gain proficiency in ICU nursing</td>
<td>• Assist in arterial puncture for blood gas analysis.</td>
<td>• Arterial puncture-5</td>
<td>• Record book</td>
</tr>
<tr>
<td>CCU</td>
<td></td>
<td>• Develop advance skill in special procedures used in critical care unit</td>
<td>• Perform ECG and interpret accordingly</td>
<td>• Taking out ECG stripe-5</td>
<td>• Checking with supervisor</td>
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<tr>
<td>CARDI</td>
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<td>• Identify potential problems and provide accordingly</td>
<td>• Conduct and analysis pulse oximetry</td>
<td>• Tracheal suction-5</td>
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<tr>
<td>AC OT.</td>
<td></td>
<td>• Skill in setting and handling ventilator</td>
<td>• Care with artificial airway</td>
<td>• For all assigned patients</td>
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<td>• Assist in endotracheal intubation</td>
<td>• Oxygen administration by CPAP mask and use Ambu bag</td>
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<td>• Setting up ventilator</td>
<td>• Assessment for all assigned</td>
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<td>• Giving care in ventilator</td>
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<td>Areas</td>
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<td>Skills</td>
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| Neuro ICU, ITU, OT        | 2                 | • Develop skill in neurological assessment.  
• Give care to the pt with head injury and spinal injury  
• Care with chest surgery and cranial surgery. | • Assess neurological status  
• Implement care to head injury spinal injury patients  
• Drug sheet  
• Pre and postoperative care with neuro surgery patients | • Assessment for all assigned patients  
• Nursing care plan-2  
• Drug sheet | • Record book observation Checklist                                                                                                               |
| Burns and plastic         | 2                 | • Assess the severity of burns  
• Administer rehydration therapy  
• Observe reconstructive surgery | • Nursing care                                                                                                                                                                                            |                                                                                                                                                                          |                                                                                                           |
| Reconstructive surgery    |                   |                                                                                                                                                                                                            |                                                                                                                                                                          |                                                                                                                                                                          |                                                                                                           |
| OT Laporoscopic 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 - cases                                                                                                                                    | • Record book                                                                                                                                                                  |                                                                                                           |
Medical Surgical Nursing
(Adult including Geriatrics) - II

Placement: FIFTH SEMESTER

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activity</th>
<th>Assessment Method</th>
</tr>
</thead>
</table>
| 1    | 15         | • Describe the etiology, pathophysiology, 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  
  • 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;  
  o External ear: deformities, otalgia, foreign bodies, and tumours  
  o Middle Ear-Impacted was, Tympanic membrane perforation, otitis media, otosclerosis, mastoidities, tumours  
  o Inner ear-Meniere’s Disease, labyrinthitis, ototoxicity, tumours  
  o Upper airway infections-Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsilar abscess, laryngitis  
  • Upper respiratory airway-epistaxis, Nasal obstruction, laryngeal obstruction, cancer of the larynx Cancer of the oral cavity | • Lecture discussion  
  • Explain using Charts, graphs  
  • Models, films, slides  
  • Demonstration  
  • Practice session  
  • Case discussion/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 |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activity</th>
<th>Assessment Method</th>
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<tbody>
<tr>
<td>II</td>
<td>15</td>
<td>• Describe the etiology, path physiology, clinical manifestations diagnostic measures and management of patients with disorders of eye.</td>
<td>Nursing management of patient with disorders of eye&lt;br&gt;• Review of anatomy and physiology of the eye&lt;br&gt;• Nursing Assessment-History and Physical assessment&lt;br&gt;• Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of eye disorders: o Refractive errors o Eyelids-infection, tumours and deformities o Conjunctiva-inflammation and infection, bleeding o Cornea-inflammation and infection o Lens-Cataracts o Glaucoma o Disorder of the uveal tract, o Ocular tumours o Disorders of posterior chamber and retina: Retinal and vitreous problems. o Retinal detachment o Ocular emergencies and their prevention • Blindness • National blindness control program o Eye Banking&lt;br&gt;Eye prostheses and Rehabilitation&lt;br&gt;Role of a nurse-Communication</td>
<td>• Lecture discussion&lt;br&gt;• Explain using Charts, graphs&lt;br&gt;• Models, films, slides&lt;br&gt;• Demonstration&lt;br&gt;• Practice session&lt;br&gt;• Case discussion/Seminar&lt;br&gt;• Health education&lt;br&gt;• Supervised clinical practice/presentation&lt;br&gt;• Visit to eye bank&lt;br&gt;• Participation in eye-camps</td>
<td>• Essay type&lt;br&gt;• Short answers&lt;br&gt;• Objective type&lt;br&gt;• Assessment of skills with check list&lt;br&gt;• Assessment of patient management problem</td>
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<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
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<td>Teaching Learning Activity</td>
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| III  | 16         | ✓ Describe the etiology, path physiology, clinical manifestations diagnostic measures and management of patients with neurological disorders. | Nursing management of patient with neurological disorders  
- Review of anatomy and physiology of the neurological system  
- Nursing Assessment-History and Physical and neurological  
- Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders:  
  - Congential malformation  
  - Headache  
  - Spinal Injuries:  
    - 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 Accident (CVA)  
  - Cranial, Spinal Neuropathies-Bell’s palsy, trigeminal neuralgia  
  - Peripheral Neuropathies; Guillain-Barré’s Syndrome  
  - Myasthenia gravis | Lecture discussion  
- Explain using Charts, graphs  
- Models, films, slides  
- Demonstration  
- Practice session  
- Case discussion/Seminar  
- Health education  
- Supervised clinical practice/presentation  
- Drug book/presentation  
- Visit to rehabilitation center | Essay type  
- Short answers  
- Objective type  
- Assessment of skills with check list  
- Assessment of patient management problem |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activity</th>
<th>Assessment Method</th>
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</thead>
</table>
| IV   | 16         | • Describe the etiology, path physiology, 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 patient 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 of disorders of female reproductive system  
• Congenital abnormalities of female reproductive system  
• Sexuality and Reproductive Health  
• Sexual Health Assessment  
• Menstrual Disorders; Dysmenorrhea, Premenstrual Syndrome  
• Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia Pelvic Inflammatory Disease | • Lecture discussion  
• Explain using Charts, graphs  
• Models, films, slides  
• Demonstration  
• Practice session  
• Case discussion/Seminar  
• Health education  
• Supervised clinical practice/presentation  
• Drug book/presentation | • Essay type  
• Short answers  
• Objective type  
• Assessment of skills with check list  
• Assessment of patient management problem |
- Ovarian and fallopian tube disorders; infections, cysts, tumours
  Uterine and cervical disorders, Endometriosis, polyps, Fibroids, Cervical and uterine tumours, Uterine displacement, Cystocele/Urethrocele
- Vaginal disorders; Infections, cysts, tumours
- Diseases of breasts; Deformities, Infections, Cysts and Tumours
- Menopause and Hormonal Replacement Therapy
- Infertility
- Contraception; Types Methods, Risk and effectiveness
  o Spacing Methods
    Barrier methods, Intera Uterine Devices, Hormonal, Post Conceptional Methods, etc
  o 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 gynecological disorders
National family welfare programme

| V | 10 | • Describe the etiology, path physiology, clinical | Nursing management of patient with Burns, reconstructive and cosmetic surgery
- Review of anatomy and physiology of skin and | • Lecture discussion
• Explain using Charts, graphs
• Models, films, | • Essay type
• Short answers
• Objective |
| VI   | 10 | • Describe the etiology, path physiology, clinical manifestations diagnostic measures and nursing management of patients with oncology | **Nursing management of patient with oncological conditions**  
  - Structure & characteristics of normal & cancer cells  
  - Nursing Assessment-History and Physical assessment  
  - Prevention, Screening, Early detection, Warning signs of cancer  
  - Epidemiology, Etiology, Classification, Path physiology, Staging, clinical manifestations, diagnosis, treatment of oncological conditions  
  - Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc  
  - Oncological emergences |  
  - Lecture discussion  
  - Explain using Charts, graphs  
  - Models, films, slides  
  - Demonstration  
  - Practice session  
  - Case discussion/Seminar  
  - Health education  
  - Supervised clinical practice/presentation  
  - Drug book/presentation |  
  - Essay type  
  - Short answers  
  - Objective type  
  - Assessment of skills with check list  
  - Assessment of patient management problem |
- Modalities of treatment
  - Immunotherapy
  - Chemotherapy
  - Radiotherapy
  - Surgical Interventions
  - Stem cell and Bone marrow transplants
  - Gene therapy
  - Other forms of treatment
*Psycho social aspects of cancer
*Rehabilitation
*Palliative care; Symptom and Pain management, Nutritional support
*Home care
*Hospice care
*Stomal Therapy
*Special therapies
- Psycho social aspects
*Nursing procedures
| VII | 10 | *Describe organization of emergency and disaster care services*
*Describe the role of nurse in disaster management*
*Describe the role of nurse in management of common Emergencies* | **Nursing management of patients in EMERGENCY & DISASTER situations**
**Disaster Nursing:**
*Concepts and principles of Disaster Nursing*
*Causes and Types of Disaster: Natural and Man made*
- Earthquakes, Floods, Epidemics, Cyclones
- Fire, Explosion, Accidents
- Violence, Terrorism, Biochemical, War
*Policies related to emergency / disaster management: International, National, State and Institutional*
*Disaster preparedness*
*Team, Guidelines, Protocols, Equipments, Resources*
*Co-ordination and involvement of Community, various Government departments, Non Govt. organizations and International Agencies*
*Role of nurse : working*
*Legal Aspects of Disaster Nursing* | *Lecture Discussion*
*Explain using charts, graphs*
*Models, Films, Slides*
*Demonstration*
*Practice session*
*Case discussions/ Seminar*
*Health education*
*Supervised clinical practice*
*Disaster management Drills*
*Drug book / presentation* | • Essay type
• Short answers
• Objective type
• Assessment of skills with check list
• Assessment of patient management problem

| VII | 10 | *Impact of Health after effects: Post traumatic stress disaster*
*Rehabilitation: Physical, Psycho social, Financial, Relocation*
**Emergency Nursing**
*Concept, priorities, principles and scope of emergency nursing*
*Organization of emergency services: physical set up, staffing, equipment and supplies, protocols, concepts of triage and role of triage nurse*
*Co-ordination and involvement of different departments and facilities*
*Nursing assessment - History and Physical assessment*
*Etiology, Patho physiology, Clinical manifestations, Diagnosis, Treatment modalities and medical surgical nursing management of patient with medical surgical emergency*
*Principles of emergency* |
<table>
<thead>
<tr>
<th>10</th>
<th>Explain the concept and problems of aging</th>
<th><strong>Nursing care of the elderly</strong></th>
<th>Lectur Discussion</th>
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<tbody>
<tr>
<td></td>
<td>-Nursing assessment –history and</td>
<td>-Explain using charts,.graphs,</td>
<td>-Eassy type</td>
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<td>physical assessment</td>
<td>Models,.films,.Slides</td>
<td>-short answers</td>
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<td>-Aging;</td>
<td>-Demonstration</td>
<td>-objective type</td>
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<td>-Demography; Myths and realities</td>
<td>-practice session</td>
<td>-Assessment of</td>
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<td>-Concepts and theories of aging</td>
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<td>-Cognitive aspects of aging</td>
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<td>checklist</td>
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<td>-Normal biological aging</td>
<td>-health education</td>
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<td>-Age related body systems</td>
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<td>-Psysocial aspects of aging</td>
<td>-Drug book</td>
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<td>-Stress and coping in older</td>
<td>-Visit to old age</td>
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<td>-Psychosocial and sexual</td>
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<td>-Abuse of elderly</td>
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<td>-Role of nurse for care of</td>
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<td>,Nutritional,communicational,psyc</td>
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<td>-Role of nurse for caregivers</td>
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<td>-Role of family and formal and</td>
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definition and management of common emergencies:

* Common emergencies
* Respiratory emergencies
* Cardiac emergencies
* Shock and Hemorrhage
* Pain
* Poly trauma, road accidents, crush injuries, wound
* Seizures
* Thermal Emergencies: Heat stroke & cold injuries
* Pediatric emergencies
* Psychiatric emergencies
* Obstetrical emergencies
* Violence, Abuse, Sexual assault
* Cardio pulmonary resuscitation
* Crisis intervention
* Role of nurse: Communication and Inter Personal Relations
* Medico- legal Aspects
| 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**  
-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, defibrillators,  
-Resuscitation equipments  
-Infection control protocols  
-Nursing management of critically patients;  
-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 care unit | Lectur Discussion  
-Explain using charts,,graphs, models,films,slides  
-Demonstration  
-Role plays  
-Counselling  
-practice session  
-case discussion /seminar  
-health education  
-supervised clinical practice  
-Drug book /presentation | -Eassy type  
-short answers  
-objective type  
-Assessment of skills with checklist  
-assessment patient management problems |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activity</th>
<th>Assessment Method</th>
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<tbody>
<tr>
<td>X</td>
<td>8</td>
<td>-Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder</td>
<td><strong>Nursing management of patients adults including elderly with occupational and Industrial disorders</strong>&lt;br&gt;-Nursing assessment –History and physical assessment&lt;br&gt;-Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of occupational and industrial health disorders&lt;br&gt;-Role of nurse&lt;br&gt;.Special therapies, alternative therapies, Nursing procedures&lt;br&gt;-Drug used in treatment of occupational and industrial disorders</td>
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</tr>
</tbody>
</table>
Bibliography:

Textbook:


Suggested Reference:

1. Hughes (P), Clinical Practice Protocols in Oncology Nursing, Jones & Bartlett, 2007
5. Dhiagra, Ear Nose and Throat
# Medical Surgical Nursing (Adult and Geriatrics) – II Practical

**Placement:** FIFTH SEMESTER  
**Time:** Theory 120 Hrs.  
Practical 470 Hrs

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration (in wks)</th>
<th>Objectives of posting</th>
<th>Skills to be developed</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| ENT           | 1                 | *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 tracheostomy care  
*Teach patients and families*                                                      | *Provide care to 2-3 assigned patients  
*Nursing care plan – 1  
*Observation reports of OPD  
*Maintain drug book*                                                                | *Assess each skill with checklist  
*Assess performance with rating scale  
*Evaluation of observation report of OPD  
*Completion of activity record*                                                    |
| Ophthalmology | 1                 | *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 and eye bank  
*Maintain drug book*                                                                |
<table>
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<tr>
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<th>Skills to be developed</th>
<th>Assignment s</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| Neurology | 2                 | *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 and families  
* Participate in Rehabilitation program |              |                  |
|          |                   | □ Bathing  
□ Dressing  
• Perform active & passive exercises  
• Practice medical & surgical asepsis  
• Counsel & Teach patients and families  
• Participate in rehabilitation program |                                                        |              |                  |
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<td></td>
<td>Counsel and educate patient and families</td>
<td>Assist with diagnostic procedures</td>
<td>Provide care to 2-3 assigned patients.</td>
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<td>□ Biopsies</td>
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<td>□ Pap smear</td>
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<td>□ Bone – marrow aspiration</td>
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<td>Breast examination</td>
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<td>Assist with therapeutic</td>
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<td>Participates in various modalities of treatment</td>
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<td>□ Chemotherapy</td>
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<td>□ Radiotherapy</td>
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<td>□ Pain management</td>
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<td>□ Stomaltherapy</td>
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<td>□ Gene therapy</td>
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<td>□ Alternative therapy</td>
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<td>Participate in palliative care</td>
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<td>Counsel and teach patients families</td>
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<td>□ Self Breast Examination</td>
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<td>□ Warning signs</td>
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<td>Participate in rehabilitation program</td>
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<td>Activity record</td>
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<tr>
<td>Areas</td>
<td>Duration (in wks)</td>
<td>Objectives of posting</td>
<td>Skills to be developed</td>
<td>Assignments</td>
<td>Assessment methods</td>
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<tr>
<td>Critical Care Unit</td>
<td>2</td>
<td>Provide care to critically ill patients&lt;br&gt;Counsel patient and families for grief and bereavement.</td>
<td>Monitoring of patients in ICU&lt;br&gt;Maintain flow sheet&lt;br&gt;Care of patient on ventilators&lt;br&gt;Perform Endotracheal suction&lt;br&gt;Demonstrates use of ventilators, cardiac monitors etc.&lt;br&gt;Collect specimens and interprets ABG analysis&lt;br&gt;Assists with arterial puncture&lt;br&gt;Maintain CVP line&lt;br&gt;Pulse Oximetry&lt;br&gt;CPR – ALS&lt;br&gt;Defibrillators&lt;br&gt;Pace makers&lt;br&gt;Bag-mask ventilation&lt;br&gt;Emergency tray / trolley – Crash Cart&lt;br&gt;Administration of drugs&lt;br&gt;☐ Infusion pump&lt;br&gt;☐ Epidural&lt;br&gt;☐ Intra thecal&lt;br&gt;☐ Intracardiac&lt;br&gt;☐ Total parenteral therapy&lt;br&gt;☐ Chest physiotherapy&lt;br&gt;☐ Perform active &amp; passive exercises&lt;br&gt;Counsel the patient and family in dealing with grieving and bereavement.</td>
<td>Provide care to 1 assigned patient&lt;br&gt;Observation report of critical care unit&lt;br&gt;Drugs book.</td>
<td>Assess each skill with check list.&lt;br&gt;Assess performance with rating scale.&lt;br&gt;Evaluation of observation report.&lt;br&gt;Completion of activity record.&lt;br&gt;Activity record</td>
</tr>
<tr>
<td>Areas</td>
<td>Duration (in wks)</td>
<td>Objectives of posting</td>
<td>Skills to be developed</td>
<td>Assignments</td>
<td>Assessment methods</td>
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Placement:

**Time**: 9 Weeks

<table>
<thead>
<tr>
<th>Area</th>
<th>Duration (in week)</th>
<th>Objective</th>
<th>Skills</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Ward</td>
<td>2</td>
<td>Provide comprehensive care to patients with medical and surgical conditions including emergencies</td>
<td>Integrated Practice</td>
<td>Assess Clinical performance with rating scale</td>
</tr>
<tr>
<td>Surgical ward</td>
<td>2</td>
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</tr>
<tr>
<td>Critical care unit / ICCU</td>
<td>1</td>
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<tr>
<td>Operation Theatre (Eye, ENT, Neuro)</td>
<td>2</td>
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</tbody>
</table>
COMMUNITY HEALTH NURSING – II

Placement : SIXTH SEMESTER

Time : Theory 90 hours
       Practical – 330 hours

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Contents</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>4</td>
<td>• Define concepts, scope, principles and historical development of community Health and community health Nursing</td>
<td><strong>Introduction</strong>&lt;br&gt;• Definition, concept &amp; scope of community Health and Community Health Nursing&lt;br&gt;• Historical development of&lt;br&gt;  □ Community health&lt;br&gt;  □ Community health Nursing.&lt;br&gt;  - Pre - independence&lt;br&gt;  - Post-independence</td>
<td>Lecture discussion</td>
<td>Essay type&lt;br&gt;Short answers</td>
</tr>
<tr>
<td>II</td>
<td>6</td>
<td>• Describe health plans, policies, various health committees and health problems in India</td>
<td><strong>Health planning and policies and problems</strong>&lt;br&gt;• National health planning in India – Five Year Plans&lt;br&gt;• Various committees and commissions on health and family welfare&lt;br&gt;  □ Central council for health and family welfare (CCH and FW)&lt;br&gt;  □ National health policies (1983, 2002)&lt;br&gt;  □ National population policy&lt;br&gt; Health problems in India</td>
<td>Lecture discussion&lt;br&gt;Panel discussion</td>
<td>Essay type&lt;br&gt;Short answers</td>
</tr>
<tr>
<td>III</td>
<td>15</td>
<td>• Describe the system of delivery of community health services in rural and urban areas</td>
<td><strong>Delivery of community health services</strong>&lt;br&gt;• Planning, budgeting and material management of SCs, PHC and, CHC&lt;br&gt;• Rural : Organization, staffing and functions of rural health services provided by government at:</td>
<td>Lecture discussion&lt;br&gt;Visits to various health delivery systems&lt;br&gt;Supervised field practice&lt;br&gt;Panel discussion</td>
<td>Essay type&lt;br&gt;Short answers</td>
</tr>
<tr>
<td>Unit</td>
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<td>Assessment Method</td>
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<td>List the functions of various levels and their staffing pattern</td>
<td>Village Sub centre Primary health centre Community health center / sub divisional Hospitals District State Centre</td>
<td>Referral system</td>
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<td></td>
<td></td>
<td>Explain the components of health services</td>
<td>Urban : Organization, staffing and functions of urban health services provided by government at:</td>
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<td></td>
<td>Describe alternative systems of health promotion and health maintenance</td>
<td>Slums Dispensaries Maternal and child health centers Special Clinics Hospitals Corporation / Municipality / Board</td>
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<td>Describe the chain of referral system</td>
<td>Components of health services</td>
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<td></td>
<td></td>
<td>• Environmental sanitation</td>
<td>• Systems of Medicine and health care</td>
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<td>• Health education</td>
<td>Allopathy</td>
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<td></td>
<td>• Vital statistics</td>
<td>• Indian System of Medicine and</td>
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<td>• M.C.H – antenatal, natal, postnatal MTP Act, female foeticide act, child adoption act</td>
<td>Homeopathy</td>
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<td>• Family Welfare</td>
<td>• Alternative health care systems like yoga, meditation, social and spiritual healing etc.</td>
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<td>• National health programmes</td>
<td>Referral system</td>
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<td>• School health services</td>
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<td>• Occupational health</td>
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<td>• Defence services</td>
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<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
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<td>Teaching Learning Activities</td>
<td>Assessment Method</td>
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<tr>
<td>IV</td>
<td>25</td>
<td>Describe community Health Nursing approaches and concepts</td>
<td>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel. *Approaches - Nursing theories and Nursing process - Epidemiological approach - Problem solving approach - Evidence based approach - Empowering people to care for themselves *Concepts of Primary Health Care: - Equitable distribution - Community participation - Focus on prevention - Use of appropriate technology - Multi-sectoral approach *Roles and responsibilities of Community health nursing personnel in - Family health services - Information Education - Communication (IEC) - Management information (MIS): Maintenance of Records &amp; 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, Techniques: Bag technique home visit *Qualities of Community Health Nursing personnel *Job description of Community health nursing personnel</td>
<td>Lecture discussion • Demonstration • Practice session • Supervised field practice • Participation in camps • Group Project</td>
<td>Essay type • Short answers</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
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<td>Teaching Learning Activities</td>
<td>Assessment Method</td>
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</table>
| V    | 15         | Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health | **Assisting individuals and groups to promote and maintain their health.**  
• Empowerment for self care of individual, families and groups in –  
  **Assessment of self and family**  
  Monitoring growth and development  
  -- Mile stones  
  -- Weight measurement  
  -- Social development  
  o Temperature and Blood pressure monitoring  
  o Menstrual cycle  
  o Breast self examination and testicles  
  o Warning signs of various diseases  
  o Tests : Urine for sugar and albumin, blood sugar  
  **Seek health services for**  
  Routine checkup  
  Immunization  
  Counseling  
  Diagnosis  
  Treatment  
  Follow up  
  **C. Maintenance of Health records for self and family**  
  **D. Continue medical care and follow up in community for various diseases and disabilities**  
  **E. Carryout therapeutic procedures as prescribed / required for self and family**  
  **F. Waste Management**  
  • Collection and disposal of waste at home and community  
  **G. Sensitize and handle social issues affecting health and development for self and family**  
  • Women Empowerment  
  • Women and child abuse  
  • Abuse of elders | • Lecture discussion  
• Demonstration  
• Practice session  
• Supervised field practice  
• Individual / group / family / Community health education. | • Essay type  
• short answers |
- Female Foeticide
- Commercial sex workers
- Food adulteration
- Substance abuse

**H. Utilize community resources for self and family**

- Trauma services
- Old age homes
- Orphanage
- Homes for physically and mentally challenged individuals
- Homes for destitute

<table>
<thead>
<tr>
<th>VI</th>
<th>20</th>
<th>Describe and national health and family welfare programmes and role of a nurse Describe the various health schemes in India</th>
<th>National health and family welfare programmes and the role of a nurse.</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>1) National ARI Programme</td>
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<td>2) Revised National Tuberculosis Control Programme (RNTCP)</td>
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<td>3) National Anti-Malaria Programme</td>
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<td>4) National Filariasis control programme</td>
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<td>5) National Guinea worm eradication programme</td>
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<td>6) National Leprosy eradication programme</td>
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<td>7) National AIDS control programme</td>
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<td>8) STD control programme</td>
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<td>9) National Programme for control of blindness</td>
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<td>10) Iodine deficiency disorder programme</td>
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<td>11) Expanded programme on immunization</td>
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<td>12) National Family Welfare Programme – RCH Programme historical development, organization, administration, Research, constraints</td>
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<td>13) National water supply and sanitation programme</td>
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<td>14) Minimum Need programme</td>
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<td>15) National Diabetics control programme</td>
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<td>16) Polio Eradication : Pulse Polio Programme</td>
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<td>17) National cancer control Programme</td>
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<td>18) Yaws Eradication Programme</td>
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<td>19) National Nutritional Anemia</td>
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</table>

- Lecture discussion
- Participation in National Health Programmes
- Field visits

- Essay type
- short answers
<table>
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<tr>
<th>No.</th>
<th>National and International Health Programmes</th>
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<td>20)</td>
<td>20 point programme</td>
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<td>21)</td>
<td>ICDS programme</td>
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<td>22)</td>
<td>Mid-day meal applied nutritional programme</td>
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<td>23)</td>
<td>National mental health programme</td>
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<td>24)</td>
<td>• Health</td>
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<td>o ESI</td>
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<td>o CGHS</td>
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<td>o Health insurance</td>
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</table>

- **VII 5 Explain the roles and functions of various national and international health agencies**

- **Health Agencies**
  - 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 of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India Women’s conference, Blind Association of India etc.

- **Lecture discussion**
- **Field visits**
- **Essay type**
- **Short answers**

**Bibliography:**

**Textbook:**


**Suggested Reference:**

7. Freeman, Community Health Nursing Practice, W.B.Saunders Company, Philadelphia.
### Community Health Nursing–II – Practical

**Placement**: SIXTH SEMESTER  
**Time**: Practical 330 Hours

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration (in week)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assignment Method</th>
</tr>
</thead>
</table>
| Community Health nursing      | 1 week for urban 4 week for rural | • 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 programmes  
• Organise group for self help and involve clients in their own health activities  
• Provide family welfare services  
• Counsel and educate | • 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:  
  o High risk mothers and neonates  
  o Accidents and emergencies  
  o Illnesses : Physical and mental  
  o Disabilities  
• Conduct delivery at centre / home : episiotomy and suturing  
• Resuscitate newborn  
• School Health Programme  
  o Screen, manage, refer children  
  • Collaborate with health and allied agencies | • Community survey report – 1  
• Family care study – 1  
• Project – 1  
• Health talk – 1  
• Case book recording | • Assess clinical performance with rating scale  
• Evaluation of community survey report, family care study, project and health talk  
• Completion of case book recording |
<table>
<thead>
<tr>
<th>Area</th>
<th>Duration (in week)</th>
<th>Objective</th>
<th>Skills</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urban</td>
<td>4Weeks</td>
<td>• Provide comprehensive care to individual, family and community</td>
<td>• Integrated Practice and group project 1 in each rural and urban</td>
<td>• Assess clinical performance with rating scale</td>
</tr>
</tbody>
</table>

Note: During the rural posting they should stay in health centers under the supervision of teachers.
# Mental Health Nursing

**Placement:** SIXTH SEMESTER  
**Time:** Theory - 90 Hrs.  
Practicals – 365 Hrs.

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5          | *Describe the historical development & current trends in mental health nursing  
*Describe the epidemiology of mental health problems  
*Describe the National Mental Health Act  
*Discuss the scope of mental health nursing  
*Describe the concept of normal & abnormal behaviour | **Introduction**  
*Perspective 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  
*Mental health team  
*Nature and scope of mental health nursing  
*Role and functions of mental health nurse in various settings and factors affecting  
*Concepts of normal and abnormal behaviour | *Lecture Discussion | *Objective type  
*Short answer  
*Assessment of the field visit reports |
| II   | 5          | *Define 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 answers  
*Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
|       |            | *Explain the classification of mental disorders  
*Explain psychodynamics 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 disasters  
*Etiology: Bio-psycho-social factors  
*Psychopathology of mental disorders: Review of structure and functions of brain, limbic system and abnormal neuro transmission  
*Principles of Mental health nursing practice  
*Conceptual models and the role of nurse:  
- Existential Model  
- Psycho-analytical models  
- Behavioural models  
- Inter personal model |                             |                                   |
| III   | 8          | *Describe nature, purpose and process of assessment of mental health status | **Assessment of mental health status**  
*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 answers**  
**Objective type**  
**Assessment of skills with check list** |
| IV    | 6          | *Identify therapeutic communication techniques  
*Describe therapeutic relationship | **Therapeutic communication and nurse-patient relationship**  
*Therapeutic communication: Types, Techniques, Characteristics  
*Types of relationship,  
*Ethics and responsibilities | **Lecture discussion**  
**Demonstration**  
**Role play**  
**Process recording** | **Short answers**  
**Objective type** |
<table>
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<tr>
<th>Unit</th>
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<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
|      |           | *Describe therapeutic impasse and its intervention                                    | *Elements of nurse patient contract  
*Review of technique of IPR – Johari Window  
*Goals, phases, tasks, therapeutic techniques  
*Therapeutic impasse and its intervention                                             |                                                                                          |                                           |
| V    | 14        | *Explain treatment modalities and therapies used in mental disorders and role of the nurse | **Treatment modalities and therapies used in mental disorders**  
*Psycho pharmacology  
*Psychological therapies: Therapeutic community, psychoanalytical, 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   | 5         | *Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders | **Nursing management of patients 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 | *Lecture discussion  
*Case discussion  
*Case presentation  
*Clinical practice                                                                   | *Essay type  
*Short answers  
*Assessment of patient management problems                                              |
<table>
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<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| VII  | 5          | * Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders | Nursing management of patients with mood disorders  
*Etiology, psycho-pathology, types, clinical manifestations, diagnosis  
*Nursing Assessment – History, Physical and Mental assessment  
*Treatment modalities and nursing management of patients with mood 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 |
| 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 patients with neurotic, stress related and somatization disorders  
*Anxiety disorders, phobias, Dissociation and Conversion disorders, Obsessive compulsive disorders, Somatoform disorders, Post traumatic stress disorders  
*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 |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| IX   | 5          | *Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders | Nursing management of patients 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, antabuse 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 |
| X    | 4          | *Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with Personality, Sexual and Eating disorders | Nursing management of patients with Personality, Sexual and Eating disorders  
*Classification of disorders  
*Etiology, psycho-pathology, characteristics & diagnosis  
*Nursing assessment – History, physical, 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   | 6          | *Describe the etiology, psycho-pathology, clinical | Nursing management of childhood and adolescent disorders including mental deficiency  
*Classification: | *Lecture discussion  
*Case discussion  
*Case | *Essay type  
*Short answers  
*Assessment of patient management problems |
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Teaching Learning Activities</th>
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<td>Manifestations, diagnostic criteria and management of childhood and adolescent</td>
<td>*Etiology, psycho-pathology, characteristics &amp; diagnosis</td>
<td>Presentation</td>
<td>Of the patient management problems</td>
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<td>disorders including mental deficiency</td>
<td>Nursing assessment – History, physical, mental and IQ assessment</td>
<td>*Clinical practice</td>
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<td>*Treatment modalities and nursing management of childhood disorders including mental</td>
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<td>*Follow-up and home care and rehabilitation</td>
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<td>XI</td>
<td>5</td>
<td>*Describe the etiology, psycho-pathology, clinical manifestations, diagnostic</td>
<td>Nursing management of patients with organic brain disorders</td>
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<td>criteria and management of patients with organic brain disorders</td>
<td>*Classification:ICD</td>
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<td>*Etiology, psycho-pathology clinical features, diagnosis and differential diagnosis</td>
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<td>(Parkinson’s and Alzheimers)</td>
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<td>*Nursing assessment – History, physical, mental and neurological assessment</td>
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<td>*Treatment modalities and nursing management of patients with organic brain disorders</td>
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<td>*Geriatric considerations</td>
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<td>*Follow-up and home care and rehabilitation</td>
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<td>XII</td>
<td>6</td>
<td>*Identify psychiatric emergencies and carry out crisis intervention</td>
<td>Psychiatric emergencies and crisis intervention</td>
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<td>*Types of psychiatric emergencies and their management</td>
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<td>*Stress adaptation model: Stress and stressors, coping, resources and mechanism</td>
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<td>*Grief: Theories of grieving process, principles, techniques of counseling</td>
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<td>*Types of crisis</td>
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<td>*Crisis intervention: principles, techniques and process</td>
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<td>*Geriatric considerations</td>
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<td>Role and responsibilities of nurse</td>
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| 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   | 4          | *Describe the model of preventive psychiatry  
*Describe 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, 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., | *Lecture discussion  
*Clinical / field practice  
*Field visits to mental health service agencies | *Short answers  
*Objective type  
*Assessment of the field visit reports |
Bibliography

Textbook:

1. Kapoor, Textbook of Psychiatric Nursing,

Suggested References:

## Mental Health Nursing – Practical

**Placement:** SIXTH SEMESTER  
**Time:** Practical – 365 Hrs, (9 weeks)

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration (in week)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assignment Method</th>
</tr>
</thead>
</table>
| Psychiatric OPD        | 1                  | *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 – 1  
*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  | 1                  | *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 -1 | *Assess performance with rating scale  
*Assess each skill with checklist  
*Evaluation of the observation report |
| Inpatient ward         | 6                  | *Assess patients with mental health problems  
*To provide nursing care for patients with various mental health problems  
| *History taking  
*Perform mental status examination (MSE)  
*Perform neurological examination  
*Assist in psychometric assessment | *Give care to 2 -3 patients with various mental disorders  
*Case study -1  
*Care plan – 2  
*Clinical presentation -1 | *Assess performance with rating scale  
*Assess each skill with checklist  
*Evaluation of the case study |
<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration (in week)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assignment Method</th>
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</thead>
<tbody>
<tr>
<td>Community Psychiatry</td>
<td>1</td>
<td>*To identify patients with various mental disorders</td>
<td>*Conduct case work</td>
<td>*Case work -1</td>
<td>*Assess performance with rating scale</td>
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<td></td>
<td></td>
<td>*To motivate patients for early treatment and follow up</td>
<td>*Identify individuals with mental health problems</td>
<td></td>
<td>*Evaluation of case work and observation report</td>
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<tr>
<td></td>
<td></td>
<td>*To assist in follow up clinic</td>
<td>*Counsel and Teach family members, patients and community</td>
<td></td>
<td>*Completion of activity record</td>
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<td>*Counsel and educate patient, family and community</td>
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<td>*Conduct therapeutic communication</td>
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<td>*Administer medications</td>
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<td>*Assist in Electro convulsive Therapy (ECT)</td>
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<td>*Participate in all therapies</td>
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<td>*Prepare patients for Activities of Daily living (ADL)</td>
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<td>*Conduct admission and discharge counseling</td>
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<td>*Counsel and teach patients and families</td>
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<td></td>
<td>*Process recording 2</td>
<td></td>
<td>Care plan, clinical presentation, process recording</td>
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<td></td>
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<td></td>
<td>*Maintain drug book</td>
<td></td>
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<tr>
<td>Psychiatry ward</td>
<td>2 weeks</td>
<td>*Provide comprehensive care to patients with mental health problems</td>
<td>*Integrated Practice</td>
<td></td>
<td>*Assess clinical performance with rating scale</td>
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Child Health Nursing

Placement: SEVENTH SEMESTER

Time: Theory - 90 Hrs.  
Practicals- 420 Hrs.

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objective</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
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</thead>
</table>
| I    | 15         | Explain the modern concept of child care and principles of child health nursing  
- Describe national policy programmes and legislation in relation to child health and welfare  
- List major causes of death during infancy, early and 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 child care  
- Internationally accepted rights of the child  
- National policy and legislations 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 |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objective</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
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</table>
| II   | 20         | *Describe the 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 | **The healthy child**  
*Principles of growth & 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 program and cold chain  
*Preventive paediatrics  
*Care of under five & under five clinics/ well baby clinics | *Lecture  
*Discussion  
*Developmental study of infants and children  
*Observation study of normal and sick child  
*Field visit to Anganwadi, child guidance clinic  
*Film show on breast feeding  
*Clinical practice/field | *Short answers  
*Objective type  
*Assessment of visits and developmental study reports |
| III  | 15         | *Provide care to normal & high risk neonates *Perform neonatal resuscitation. *Recognize and manage | **Nursing care of a neonate**  
*Nursing care of a normal newborn care/Essential newborn care  
*Neonatal resuscitation  
*Nursing management of a low birth weight baby  
*Kangaroo mother care  
*Nursing management of common neonatal disorders | *Lecture  
*Discussion  
*Workshop on neonatal resuscitation  
*Demonstration  
*Practice session  
*Clinical practice | *Short answers  
*Objective type  
*Assessment of skills with checklist |
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<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
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</table>
|      |            | Common neonatal problems | *Organization of neonatal unit  
*Identification and nursing management of common congenital malformations. |                |        |
| IV   | 10         | Integrated management of neonatal and childhood illness(IMNCI) |            |                |        |
| V    | 20         | -Provide nursing care in common childhood diseases  
-Identify measures to prevent common childhood diseases including immunization | Nursing management in common childhood diseases  
-Nutritional deficiency disorders  
-Respiratory disorders and infections  
-Gastrointestinal infections, infectations and congenital defects and rheumatic fever, rheumatic heart disease  
-Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalous, spina-bifida.  
-Haematological disorders: Anaemia, thalasemia, 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, haemorrhage, burns and drowning | *Lecture  
Discussion  
*Demonstration  
*Practice session  
*Clinical practice | *Short answers  
*Objective type  
*Assessment of skills with checklist |
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<th>Teaching Learning Activities</th>
<th>Assessment Methods</th>
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<tr>
<td>VI</td>
<td>10</td>
<td>-Manage the child with behavioral and social problems -Identify the social and welfare services for challenged children</td>
<td>Management of behavioral and social problems in children -Management of common behavioral disorders -Management of common psychiatric problems -management of challenged children: Mentally, physically,&amp; socially challenged -Welfare services for challenged children in India -Child guidance clinics</td>
<td>*Lecture Discussion -Field visits to child guidance clinics, school for mentally and physically, socially challenged</td>
<td>*Short answers *Objective type *Assessment of field reports</td>
</tr>
</tbody>
</table>
Bibliography

Textbook:

1. Whaley & Wongs, Nursing Care of Infants & Children, Mosby, Philadelphia.

Suggested Reference:

1. Marlow, Textbook of Paediatric Nursing, Harecourt (India) Ltd.
2. Nelson, Textbook of Paediatrics, Harecourt India private Ltd.
5. Kenner (C), Comprehensive Neonatal Nursing, Saunders.
6. Pillteri (A), Maternal and Child Health Nursing Care, LWW, Philadelphia,
7. Achar’s textbook of Paediatrics, Orient Longman.
8. Ghai (OP), Essential Paediatrics.
## Child Health nursing – Practical

**Placement:** Seventh Semester  
**Time:** 420 hours (9 weeks)

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration (in week)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assignment Method</th>
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</thead>
</table>
| Paediatric Medicine Ward   | 3                  | - Provide nursing care to children with various medical disorders          | - Taking paediatric History  
<p>|                            |                    | - Counsel and educate parents                                             | - Physical examination and assessment of children                      | - Give care to three assigned paediatric patients                                         | - Assess clinical performance with rating scale                                           |
|                            |                    |                                                                            | - Administer of oral ,I/M &amp; IV medicine/ fluids                        | - Case study/presentation -1                                                                | - Assess each skill with checklist OSCE/OSP E                                             |
|                            |                    |                                                                            | - Calculation of fluid requirements                                     | - Health talk-1                                                                              | - Evaluation of case study/presentation and health education session                     |
|                            |                    |                                                                            | - prepare different strengths of I.V fluids                           |                                                                                               | - Completion of activity record.                                                         |</p>
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<th>Areas</th>
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<tr>
<td>Padiaac surgery ward</td>
<td>3</td>
<td>-Recognise different pediatric surgical conditions/malformations</td>
<td>-Calculcate, prepare and administer I/V fluids</td>
<td>-Give care to three assigned paediatric surgical patients</td>
<td>-Assess clinical performance with rating scale</td>
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<td>-provide pre and post operative care to children with common paediatric surgical conditions/malformation</td>
<td>-Do bowel wash</td>
<td>-Nursing care plan-1</td>
<td>-Assess each skill with checklist OSCE/OSP E</td>
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<td>-Counsel and educate parents</td>
<td>-Care for ostomie</td>
<td>-Case study/presentation</td>
<td>-Evaluation of case study/presentation</td>
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<td>.Colostomy irrigation</td>
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<td>-Completion of activity record.</td>
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<td>.Gastrostomy</td>
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<td>.Urinary catherization and drainage</td>
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<td>. Jejunostomy</td>
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<td>-Care of surgical wounds</td>
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<td>. Suture removal</td>
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<tr>
<td>Pediatric OPD/Immunization room</td>
<td>1</td>
<td>-Perform assessment of children: Health, developmental and Anthropometric</td>
<td>-Assessment of children</td>
<td>-Developmental study-1</td>
<td>-Assess clinical performance with rating scale</td>
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<td>-Perform Immunization</td>
<td>. Health assessment</td>
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<td>-Complicatio n of activity record</td>
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<td>-Give health Education/Nutritional Education</td>
<td>. Developmental assessment</td>
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<td>. Anthropometric assessment</td>
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<td>-Immunization</td>
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<td>- Health/ Nutritional Education</td>
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<td>Paediatric medicine and surgery ICU</td>
<td>1+1</td>
<td>-Provide nursing care to critically ill children</td>
<td>-Care of a baby in incubator/warmer</td>
<td>-Nursing care Plan-1</td>
<td>-Assess clinical performance with rating scale</td>
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<td>-Care of a child on ventilator</td>
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<td>-Complicatio n of activity record</td>
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<td>-Endotracheal suction</td>
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<td>-Chest physiotherapy</td>
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<td>-Administer fluids with infusion pump</td>
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<td>-Total parenteral nutrition</td>
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<td>-Phototherapy</td>
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<td>-Monitoring if babies</td>
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<td>-Cardio pulmonary resussitation</td>
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<tr>
<td>Areas</td>
<td>Duration (in week)</td>
<td>Objectives</td>
<td>Skills</td>
<td>Assignments</td>
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<td>Pediatric medicine ward/ICU</td>
<td>1</td>
<td>-Provide comprehensive care to children with medical conditions</td>
<td>-Integrated practice</td>
<td>-Assess clinical performance with rating scale</td>
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<tr>
<td>Pediatric surgery ward/ICU</td>
<td>1</td>
<td>-Provide comprehensive care to children with surgical conditions</td>
<td>-Integrated practice</td>
<td>-Assess clinical performance with rating scale</td>
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<tr>
<td>NICU</td>
<td>1</td>
<td>-Provide intensive care to neonates</td>
<td>-Integrated practice</td>
<td>-Assess clinical performance with rating scale</td>
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</tr>
</tbody>
</table>
Management of Nursing Services and Education

**Placement:** SEVENTH SEMESTER

**Time:** Theory – 90 Hrs.

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 4          | *Explain the principles and functions of management | **Introduction to management in nursing**  
*Definition, concepts and theories  
*Functions of management  
*Principles of management  
*Role of nurse as a manager | *Lecture Discussion  
*Explain using organization chart | *Short answers |
| II   | 5          | *Describe the elements and process of management | **Management Process**  
*Planning: mission Philosophy, objectives operational plan  
*Staffing: Philosophy, Staffing study, Norms, Activities, Patient classification systems, Sheduling  
*Human resource management: recruiting, selecting,deployment,retainig , promoting, super annuation etc.,  
*Budgeting: Concept, principles, types, cost benefit analysis, audit  
*Material management: equipment and supplies | *Lecture Discussion  
*Simulated exercises  
*Case studies | *Essay type  
*Short answers |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>III</td>
<td>8</td>
<td>20</td>
<td>*Describe the management of nursing services in the hospital and community</td>
<td>*Lecture Discussion</td>
<td>*Essay type</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Management of Nursing Services in the Hospitals and Community</td>
<td>*Demonstration</td>
<td>*Short answers</td>
</tr>
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<td></td>
<td>*Simulated exercises</td>
<td>*Assessment of problem solving exercises</td>
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<td>*Case studies</td>
<td>*Assessment of the assignments</td>
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<td>*Supervised practice in</td>
<td>*Performance evaluation by ward sister with rating scale</td>
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<td>ward – writing indents,</td>
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<td>preparing duty roster,</td>
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<td>ward supervision</td>
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<td>*Assignment on duties and</td>
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<td>responsibilities of ward</td>
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<td>sister</td>
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<td>*Writing report</td>
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</tbody>
</table>

*Directing process (Leading
*Controlling: Quality management
*Program Evaluation Review Technique (PERT), bench marking, Activity Plan (Gantt Chart)
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
|      | Th.  Pr.   |         | *Budgeting: Proposal, projecting requirements for staff, equipments and supplies for  
|      |            |         | - Hospital and patient care units  
|      |            |         | - Emergency and disaster management  
|      |            |         | *Material management: Procurement, inventory control, auditing and maintenance in  
|      |            |         | - Hospital and patient care units  
|      |            |         | - Emergency and disaster management  
|      |            |         | *Directing and leading: Delegation, participatory management  
|      |            |         | - Assignments, rotations, delegations  
|      |            |         | - Supervision and guidance  
|      |            |         | - Implement standards, policies, procedures and practices  
|      |            |         | - Staff development and welfare  
|      |            |         | - Maintenance of discipline  
|      |            |         | *Controlling / evaluation:  
<p>|      |            |         | - Nursing rounds / Visits, Nursing protocols, Manuals |</p>
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<tr>
<td>IV</td>
<td>5</td>
<td>*Describe the concepts, theories and techniques of organizational behaviour and human relations</td>
<td><strong>Organizational behaviour and human relations</strong>&lt;br&gt;- Concepts and theories of organizational behaviours&lt;br&gt;- Review of channels of communication&lt;br&gt;- Leadership styles&lt;br&gt;- Review of motivation: Concepts and Theories&lt;br&gt;- Group dynamics&lt;br&gt;- Techniques of&lt;br&gt;  - Communication and&lt;br&gt;  - Inter personal relationships&lt;br&gt;- Human relations&lt;br&gt;- Public relations in context of nursing&lt;br&gt;- Relations with professional associations and employee unions and collective bargaining</td>
<td>*Lecture Discussion&lt;br&gt;*Role plays&lt;br&gt;*Group games&lt;br&gt;*Self Assessment&lt;br&gt;*Case discussion&lt;br&gt;*Practice session</td>
<td>*Essay type&lt;br&gt;*Short answers&lt;br&gt;*Assessment of problem solving</td>
</tr>
<tr>
<td>V</td>
<td>5 5</td>
<td>*Participate in planning and organizing inservice education program</td>
<td><strong>In service education</strong>&lt;br&gt;- Nature and scope of in service education program&lt;br&gt;- Organization of in service education&lt;br&gt;- Principles of adult learning&lt;br&gt;- Planning for in service education program, techniques, methods and evaluation of staff education program&lt;br&gt;- Preparation of report</td>
<td>*Lecture discussion&lt;br&gt;*Plan and conduct an educational session for in service nursing personnel</td>
<td>*Short answers&lt;br&gt;*Objective type&lt;br&gt;*Assess the planning and conduct of the educational session</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
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<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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</table>
| VI   | 10         | *Describe management of nursing educational institutions | **Management of Nursing Educational Institutions**  
*Establishment of nursing educational institution – INC norms and guidelines  
*Coordination 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 equipments, books, journals etc.,  
*Curriculum: Planning, Implementation and Evaluation | *Lecture Discussion  
*Role plays  
*Counseling sessions  
*Group exercises | *Essay type  
*Short answers |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<td>VII</td>
<td>10</td>
<td>*Describe the ethical and legal responsibilities of a professional nurse *Explain the nursing practice standards</td>
<td>Nursing as a Profession * Nursing as a Profession - Philosophy: Nursing practice - Aims and objectives - Characteristics of a professional nurse - Regulatory bodies: INC, SNC Acts – Constitution, Functions - Current trends and issues in Nursing *Professional ethics - Code of ethics: INC, ICN - Code of professional conduct: INC, ICN *Practice standards for Nursing: INC *Consumer protection Act *Legal aspect in Nursing - Legal terms related to practice: Registration and Licensing - Laws related to Nursing practice; Breach and Penalties - Malpractice and Negligence</td>
<td>*Lecture Discussion *Case discussion *Panel discussion *Role plays *Critical incidents *Visit to INC/ SNRCs</td>
<td>*Short answers *Assessment of critical incidents</td>
</tr>
<tr>
<td>VIII</td>
<td>3</td>
<td>*Explain the various opportunities</td>
<td>Professional advancements: *Continuing education</td>
<td>*Lecture discussion *Review/ Presentation of published articles</td>
<td>*Short answers</td>
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<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
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<td>Teaching Learning Activities</td>
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<td>Th. Pr.</td>
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<td>For professional advancement *Career Opportunities *Collective bargaining *Membership with Professional organizations: National and International *Participation in research activities *Publications: Journals, Newspapers, etc.,</td>
<td>*Group work on maintenance of bulletin board</td>
<td></td>
</tr>
</tbody>
</table>

**Bibliography:**

**Textbook:**

1. Basavanthappa (BT), Nursing Administration, Jaypee Brother, New Delhi, 2002.

**Reference:**


Communication & Educational Technology

Placement: SEVENTH SEMESTER  
Time-Theory-90 Hours

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time(Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5         | -Describe the communication process  
-Identify techniques of effective communication | Review of Communication Process  
-Process;elements and chance  
-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   | 5         | -Establish effective interpersonal 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 answers  
-Objective type |
| III  | 5         | -Develop effective human relations in context of nursing | Human relations  
-Understanding self motivation, social attitudes  
-Individual and groups  
-Groups & individual  
-Human relations in context of nursing  
-Group dynamics  
-Team work | -Lecture Discussion  
-Sociometry  
-Group games  
-Psychometric exercises followed by discussion | -Short answers  
-Objective type  
-Respond to test bas on critical incidents |
| IV   | 10 5      | -Develop basic skills of counseling and guidance | Guidance & counseling  
-Definition  
-Purpose,scope and need  
-Basic principles  
-Organization of counseling services  
-Types of counseling approaches | Lecture Discussion  
-Role plays on counseling in different situations followe by discussion | Short answers  
-Objective type  
-Assess performance in role play situations |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time(Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning activities</th>
<th>Assessment methods</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>-Describe the philosophy &amp; principles of education</td>
<td>Principles of education &amp; teaching learning process</td>
<td>- Lecture Discussion -Prepare lesson plan -Micro teaching -Exercise on writing objectives</td>
<td>Short answers -Objective type -Assess lesson plans &amp; teaching situations</td>
</tr>
<tr>
<td>V</td>
<td>5</td>
<td>-Explain the teaching learning process</td>
<td>-Education: meaning, philosophy,aims,functions &amp; principles</td>
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<td></td>
<td></td>
<td>-Nature and characteristics of learning</td>
<td>-Principles and maxims of teaching</td>
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<td>-Formulating objectives; general and specific</td>
<td>-Lesson planning</td>
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<td>-Classroom management</td>
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<td>-Role and presentation of counselor</td>
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<td>-Issues for counseling in Nursing: studes and practioners</td>
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<td>-Counselling process-steps &amp; techniques,tools of counselor</td>
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<td>-Managing disciplinary problems</td>
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<td>-Management of crisis &amp; referral</td>
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<td>VI</td>
<td>10</td>
<td>-Demonstrate teaching skill using various teaching methods in clinical, classroom</td>
<td>Methods of teaching</td>
<td>- Lecture Discussion -Conduct 5 teaching sessions using different methods &amp; media</td>
<td>Short answers -Objective type -Assess teaching situations</td>
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<td></td>
<td>10</td>
<td>and community settings</td>
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<td></td>
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<td>-Lecture, demonstration,group discussion,seminar,discussion,role play,project, field</td>
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<td>trip, work shop, exhibition, programmed instruction, computer assisted learning,</td>
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<td>micro teaching problem based learning, self instructional module, and simulation etc.</td>
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<td>-Clinical teaching methods: Case method, nursing round &amp; reports, bedside clinic,</td>
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<td>conference(individual &amp; group) process recording</td>
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<td>Unit</td>
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<td>Learning Objectives</td>
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</table>
| VII  | 10 8      |     |     | -Prepare and use different types of educational media effectively | Educational Media  
-Purposes & types of A.V Aids, principles and sources etc.  
-Graphic aids: chalk board, chart, graph, poster, flash cards, flannel graph, bulletin, cartoon  
-Three dimensional aids: objects, specimens, models, puppets  
-Printed aids: Pamphlets, & leaflets  
-Projected aids: slides, overhead projector, films, TV, VCR/VCD, camera, microscope, LCD  
-Audio aids: tape recorder, public address system  
-Computer | Lecture  
-Discussion  
-Demonstration  
-Prepare different teaching aids -projected & non projected | Short answers  
-Objective type  
-Assess teaching aids prepared |
| VIII | 5 7       |     |     | -Prepare different types of questions for assessment of knowledge, skills and attitudes | Assessment  
-Purpose and scope of evaluation & 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 checklist, practical exam, viva, objective structured clinical examination(OSCE)  
-Assessment of Attitudes: Attitude scales | Lecture  
-Discussion  
-Exercise on writing different types of assessment tools | Short answers  
-Objective type  
-Assess strategies used in practice teaching sessions and exercise sessions |
| IX   | 5         |     |     | -Teaching individuals, group and communities about health With their active participation | Information, Education & communication for health(IEC)  
-Health behaviour and 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 and conduct health education sessions for individuals, group & communities | Short answers  
-Objective type  
-Assess the planning & conduct of the educational session |
Bibliography:

Text Book:

Heidgerkohn (DE), Teaching and Learning in School of Nursing, Philadelphia, J.O. Billioet Co.
W.H.O. Curriculum Guide for the Schools of Nursing in India, Delhi WHO.

Reference:

1. Neeraja, Textbook of Nursing Education, Jaypere Brothers.
2. Tyler (RW), Basic of Curriculum and Instruction, Chicago, The university of Chicago press.
Midwifery and obstetrical Nursing

**Placement:** Eight semester

**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 women during antenatal, natal and postnatal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programmes.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time</th>
<th>Learning objective</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment method</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>3</td>
<td>- Recognise the trends and issues in midwifery and obstetrical nursing</td>
<td>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, Pre-conception 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</td>
<td>-Lecture, Discussion -Explain using charts and graphs</td>
<td>-Short answers -Objective type</td>
</tr>
<tr>
<td>II</td>
<td>8</td>
<td>- Describe the anatomy and physiology of female reproductive system</td>
<td>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 shapes, Female organs of reproduction-external genitalia, internal genital organs and their anatomical relations, masculature-blood supply, nerves, lymphatics, pelvic</td>
<td>-Lecture, Discussion -review with charts and models</td>
<td>-Short answers -Objective type</td>
</tr>
</tbody>
</table>
| III | 8 | -Describe the diagnosis and management of women during antenatal period | Assessment and management of pregnancy (ante-natal)  
Normal pregnancy  
Physiological changes during pregnancy  
Reproductive system  
Cardio vascular system  
Respiratory system  
Urinary system  
Gastro intestinal system  
Metabolic changes  
Skeletal changes  
Endocrine system  
Psychological changes  
Discomforts of pregnancy  
Diagnosis of pregnancy  
-signs  
-Differential diagnosis  
-Confirmatory tests  
Ante-natal care  
-Objectives  
-assessment  
-History and physical examination  
-Antenatal examination  
-Signs of previous child-birth  
-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 and |

-Lecture, Discussion  
-Demonstration  
-Case discussion/Presentation
<table>
<thead>
<tr>
<th>IV</th>
<th>12</th>
<th>Describe the physiology and stages of labour. Describe the management of women during intranatal period.</th>
</tr>
</thead>
</table>
|    |    | Assessment and management of intranatal period:  
|    |    | - Physiology of labour, mechanism of labour  
|    |    | - Management of labour  
|    |    |  
|    |    | - Assessment and observation of women in labour; partogram; maternal and foetal monitoring  
|    |    | - 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 newborn  
|    |    | - Neonatal resuscitation; initial steps and subsequent resuscitation  
|    |    | - Care of umbilical cord  
|    |    | - Immediate assessment including screening for congenital anomalies  
|    |    | - Identification  
|    |    |  
|    |    | Lecture discussion  
|    |    | Demonstration  
|    |    | Case discussion/presentation  
|    |    | Simulated practice  
|    |    | Supervised clinical practice  
|    |    |  
|    |    | Essay type  
|    |    | Short answers  
|    |    | Objective type  
|    |    | Assessment of skills with checklist  
|    |    | Assessment of patient management problems  
|    |    |  

non-invasive, ultrasonics, cardiovascular tomography, NST, CST  
Antenatal preparation  
- Antenatal counseling  
- Antenatal exercise  
- Diet  
- Substance use  
- Education for child birth  
- Husband and families  
- Preparation for safe confinement  
- Prevention from radiation  
Psychosocial cultural aspects of pregnancy  
- Adjustment to pregnancy  
- Unwed mother  
- Single parent  
- Teen age pregnancy  
- Sexual violence  
Adoption
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<tr>
<td>V</td>
<td>5</td>
<td>Describe the physiology of pureperium&lt;br&gt;Description the management of women during postnatal period</td>
<td>Assessment and management of women during postnatal period&lt;br&gt;-Normal pureperium:physiology&lt;br&gt;-Duration&lt;br&gt;-Postnatal assessment and management&lt;br&gt;-Promoting physical and emotional well-being&lt;br&gt;-Lactation management&lt;br&gt;-Immunization&lt;br&gt;-Family dynamics after child-birth&lt;br&gt;-Family welfare services;methods,counseling&lt;br&gt;-Follow-up&lt;br&gt;-Records and reports</td>
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<td>VI</td>
<td>10</td>
<td>Describe the assessment and management of normal neonate</td>
<td>Assessment and management of normal neonates&lt;br&gt;-Normal Neonate; Physiological adaptation, Initial and daily assessment&lt;br&gt;Essential newborn care;thermal control&lt;br&gt;Breast feeding, prevention of infections&lt;br&gt;-Immunization&lt;br&gt;-minor disorders of newborn and its management&lt;br&gt;-Levels of neonatal care(level I,II,&amp;III)&lt;br&gt;-At primary, secondary and tertiary levels&lt;br&gt;-Maintenance of reports and records</td>
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<td>VII</td>
<td>10</td>
<td>Describe the Identification and management of women with high risk pregnancy</td>
<td>High –risk pregnancy-assessment and management&lt;br&gt;-Screening and assessment&lt;br&gt;-Ultrasonics,cardiotomography,NST, CST,non –invasive and invasive&lt;br&gt;-Newer modalities of diagnosis&lt;br&gt;-high- risk approach&lt;br&gt;-Levels of care;primary,secondary and</td>
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<tr>
<td>VIII</td>
<td>10</td>
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<td>\textbf{VIII} 10 Describe management of abnormal labour and Obstetrical emergencies</td>
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<td>Abnormal labour-assessment and management</td>
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<td>- Discorders in labour</td>
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<td>- CPD and contracted pelvis</td>
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<td>- Malpositions and malpresentations</td>
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<td>- Premature labour, disorders of uterine actions-precipitate labour, prolonged labour</td>
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<td>- Complications of third stage: injuries to birth canal</td>
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<td>- Obstetrical emergencies and their management;</td>
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<td>- presentation and prolapse of cord, vasa praevia, amniotic fluid</td>
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<td>- embolism, rupture of the uterus, shoulder dystocia, obstetrical shock</td>
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<td>- Obstetrical procedures and operations</td>
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<td>- Induction of labour, forceps, vacuum version, manual removal of placenta, caesarean section, destructive operations</td>
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<td>- Nursing management of women undergoing obstetrical operations and procedures</td>
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<td>Lecture discussion</td>
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<td>- Demonstration</td>
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<td>- case discussion/presentation</td>
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<td>- Health talk</td>
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<td>- Practice Session</td>
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<td>- Supervised Clinical practice</td>
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<td>Essay type</td>
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<td>- Short answers</td>
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<td>- Objective type</td>
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<td>- Assessment of patient managemen t problems</td>
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<td>IX</td>
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<td>\textbf{IX} 4 Describe management of postnatal</td>
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<td>Abnormalities during postnatal Periods</td>
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<td>- Assessment and management of women with postnatal complications</td>
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<td>- Case discussion/presentation</td>
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<td>- Assessment</td>
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</tbody>
</table>
| Complications          | - Puerperal infections, UTI, thrombo-embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution
|                       | - Psychological complications: Post partum blues, Post partum depression, Post partum psychosis |
|                       | n Supervised clinical practice of skills with check list - Assessment of patient management problems |
| XI 4 Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers | Pharmaco-therapeutics in obstetrics - Indication, dosage, action, contraindication and side effects of drugs - Effect of drugs on pregnancy, labour and puerperium - Nursing responsibilities in the administration of drugs in obstetrics - Oxytocin, antihypertensives, diuretics, tocolytic agents, anticonvulsants; - Analgesics and anesthetics in obstetrics - Effects of maternal medication on foetus and neonate |
| XII 10 - Appreciate the importance of family welfare programme - Describe the methods of contraception and role of nurse in family welfare programme | Family welfare programme - Population trends and problem 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 |
|                       | Lecture discussion - Drug book - Drug presentation - Short answers - Objective type - Assessment of skills with check list - Assessment of patient management problems |

| XI 4 Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers | Pharmaco-therapeutics in obstetrics - Indication, dosage, action, contraindication and side effects of drugs - Effect of drugs on pregnancy, labour and puerperium - Nursing responsibilities in the administration of drugs in obstetrics - Oxytocin, antihypertensives, diuretics, tocolytic agents, anticonvulsants; - Analgesics and anesthetics in obstetrics - Effects of maternal medication on foetus and neonate |
| XII 10 - Appreciate the importance of family welfare programme - Describe the methods of contraception and role of nurse in family welfare programme | Family welfare programme - Population trends and problem 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 |
|                       | Lecture discussion - Demonstration - Practice Session - Case discussion/presentation - Supervised Clinical practice - Short answers - Objective type - Assessment of skills with check list - Assessment of patient management problems |

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Levels
- Methods of contraception: spacing, temporary and permanent, Emergency contraception
- Infertility and its management
- Counselling for family welfare
- Latest research in contraception
- Maintenance of vital statistics
- Role of national, international and voluntary organizations
- Role of nurse in family welfare programme
- Training/supervision/collaboration with other functionaries in community like ANMs, LHV, Anganwadi workers, TBAs (Traditional birth attendant-Dai)

reports
Bibliography:

Textbook:


Suggested References:

4. Bobak, Maternity Nursing Care, Elsevier.
## Midwifery and Obstetrical Nursing-Practical

**Placement:** Eighth Semester  
**Time:** Practical 600 Hours

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration (In weeks)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| Antenatal clinics/OPD    | 2                  | Assessment of pregnant women                    | - Antenatal history taking  
- Physical examination  
Recording of weight and B.P  
- HB & Urine testing for sugar and albumin  
- Antenatal examination-abdomen and breast  
- Immunization  
- Assessment of risk status  
- Teaching antenatal mothers  
- Maintenance of Antenatal records | - Conduct Antenatal  
- Examinations 30  
- Health talk-1  
- Case book recordings | - Verification of findings of Antenatal examinations  
- Complication of casebook recordings |
| Labour Room/OT           | 4                  | - Assess women in labour  
- Carry out per-vaginal examinations  
- Conduct normal deliveries  
- Perform episiotomy and suture it  
- Resuscitate newborns  
- Assist with caesarean sections, MTP and other surgical procedures | - Assessment of women in labour  
- Pervaginal examinations and interpretation  
- Monitoring and caring of women in labour  
- Maintenance of partograph  
- Conduct normal delivery  
- Newborn assessment and immediate care  
- Resuscitation of newborns  
- Assessment of risk status of newborn  
- Episiotomy and suturing  
- Maintenance of labour and birth records  
- Arrange for and assist with caesarean section and care for women and baby during caesarean  
- Arrange for and assist with MTP and other surgical procedures | - *Conduct normal deliveries-20  
- *Pervaginal examinations-5  
- *Perform and suture the episiotomies-5  
- *Resuscitate newborns-5  
- *Assist with caesarean sections-2  
- *Witness abnormal deliveries-5  
- Assist with MTP and other surgical procedures-1  
- Case book recordings | Assessment of clinical performance with rating scale  
- Assessment of each skill with checklists  
- Complication of casebook recordings |
| Postnatal ward           | 4                  | - Provide nursing care to postnatal mother and baby  
- Counsel and | - Examination and assessment of mother and Baby  
- Identification of deviations  
- Care of postnatal mother and Baby  
- Perineal care | - *Give care to postnatal mothers-20  
- Health talks-1  
- Case study-1 | Assessment of clinical performance  
- Assessment of each skill with |
| **Newborn nursery** | **2** | -Provide nursing care to newborn at risk | -Newborn assessment  
-Admission of neonates  
-Feeding of at risk neonates  
-Katori spoon, paladin, tube feeding, total parenteral nutrition  
-Thermal management-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 the baby on ventilator  
-Phototherapy  
-Infection control protocols in the nursery  
-Teaching and counseling of parents  
-Maintenance of neonatal records | -Case study-1  
-Observation study-1 | Assessment of clinical performance  
-Assessment of each skill with checklists  
-Evaluation of and observation study |
| **Family Planning clinic** | Rotation from postnatal ward 1 wk | -Counsel for and provide family welfare services | -Counselling 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-1  
-Counselling-2  
-Simulation exercise on recording and reporting-1 | Assessment of each skill with checklists  
-Evaluation of and observation study |
## Nursing Research and Statistics

**Placement:** Forth year  

**Time:** Theory-45 hours  
Practical- 45 Hours

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time(Hrs)</th>
<th>Learning objectives</th>
<th>Content</th>
<th>Teaching learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 4         | -Describe the concept of research, terms, need and areas of research in nursing  
-Explain the steps of research process | Research and research process  
-Introduction and need for nursing research  
-Definition of research and 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   | 3         | -Identify and state the research problem and objectives | Research problem/question  
-Identification of problem area  
-Problem statement  
-Criteria of a good research problem  
-Writing objectives | -Lecture Discussion  
-Exercise on writing statement of problem and objectives | -Short answer  
-Objective type |
| III  | 3         | Review the related literature | Review of Literature  
-Location  
-Sources  
-on line search; CINHAL, COCHRANE etc  
-Purposes  
-Method of review | -Lecture Discussion  
-Exercise on reviewing one research report/ article for a selected research problem  
-prepare annotated bibliography | -Short answer  
-Objective type |
| IV   | 4         | -Describe the research approaches and designs | Research approaches and designs  
-Historical, Survey and experimental  
-Qualitative and quantitative designs | -Lecture Discussion  
-Explain types of research approaches used from examples of published and unpublished research studies with rationale | -Short answer  
-Objective type |
| V    | 8         | -Explain the sampling and data collection | Sampling and data collection  
-Definition of population, Sample, sampling | -Lecture Discussion  
-Reading assignment on examples of data | -Short answer  
-Objective |
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<tr>
<td>VI</td>
<td>4</td>
<td>Analyze, interpret and summarize the research data</td>
<td>Analyze of data: Complication, Tabulation, Summarization, presentation, interpretation of data</td>
<td>- Lecture Discussion</td>
<td>- Preparation of sample tables</td>
<td>- Short answer type</td>
</tr>
<tr>
<td>VII</td>
<td>15</td>
<td>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</td>
<td>Introduction to Statistics - Definition, use of statistics, scales of measurement - Frequency distribution and graphical presentation of data - mean, Median, Mode, Standard deviation - Normal probability and tests of significance - Co-efficient of correlation - Statistical packages and its application</td>
<td>- Lecture Discussion</td>
<td>- Practice on graphical presentations - Practice on computation of measures of central tendency, variability and correlation</td>
<td>- Short answer type</td>
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<tr>
<td>VIII</td>
<td>4</td>
<td>Communicate and utilize the research findings</td>
<td>Communication and utilization of Research - Communication of research findings - Verbal report - Writing research report - Writing scientific article/paper - Critical review of published research - Utilization of research findings</td>
<td>- Lecture Discussion</td>
<td>- Read/presentation of sample published/unpublished research report - Writing group research project</td>
<td>- Short answer type</td>
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</table>
Bibliography:

Textbook:


Suggested Reference:

5. Neg (KS), Biostatistics, AITBS.
PATTERN OF QUESTION PAPER FOR BSc. NURSING COURSE
FOR THEORY EXAM

Maximum 3 Hours Maximum 75 Marks

Answer Section – A and Section – B separately.
Draw labeled diagrams wherever applicable.

For all Nursing subjects only

SECTION – A
(40 Marks)

I. Essay question: (Answer any Two questions only) (2 x 15 = 30)

1. 
2. 
3. 

II. Short Notes: (Answer any Two questions only) (2 x 5 = 10)

1. 
2. 
3. 

SECTION – B
(35 Marks)

I. Essay question: (Answer any One question only) (1 x 15 = 15)

1. 
2. 

II. Short Notes: (Answer any Four questions only) (4 x 5 = 20)

1. 
2. 
3. 
4. 
5.
Question Paper for Anatomy and Physiology will consist of Section A – Anatomy and section B – Physiology in respect of marks 37 for Anatomy and 38 for Physiology

SECTION – A (Anatomy) (37 marks)

I. Essay type (Answer any One question only) 
   1x15 = 15
   1. 
   2. 

II. (Answer any Two questions only) 
   2x6 = 12
   1. 
   2. 
   3. 

III. Short notes (Answer any Two questions only) 
   2x5 = 10
   1. 
   2. 
   3. 

SECTION – B (Physiology) (38 Marks)

I. Essay type (Answer any One question only) 
   1x15 = 15
   1. 
   2. 

II. (Answer any Two questions only) 
   7+6 = 13
   1. 
   2. 
   3. 

III. Short notes (Answer any Two questions only) 
   2x5 = 10
   1. 
   2. 
   3.
Question Paper for Nutrition and Bio Chemistry will consist of Section A – Nutrition and section B – Bio Chemistry in respect of marks 45 for Nutrition and 30 for Biochemistry

**SECTION – A (Nutrition) (45 marks)**

I. Essay type (Answer any Two questions only)  
   2x10 = 20

   1. 
   2. 
   3. 

II. Short notes (Answer any Five questions only)  
   5x5 = 25

   1. 
   2. 
   3. 
   4. 
   5. 
   6. 
   7. 

**SECTION – B (Bio Chemistry) (30 Marks)**

I. Essay type (Answer any One question only)  
   1x10 = 10

   1. 
   2. 

II. (Answer any Four questions only)  
   4x5 = 20

   1. 
   2. 
   3. 
   4. 
   5.
Question Paper for Pharmacology, and Pathology and Genetics will consist of Section A – Pharmacology (38 Marks) and section B- Pathology (25 Marks) and Genetics (12 Marks)

SECTION - A (Pharmacology)

I. Answer any one question only) 1x13 =13

1. 
2. 

II. Short notes (Answer any Five questions only) 5x5 = 25

1. 
2. 
3. 
4. 
5. 
6. 
7. 

SECTION –B (Pathology & Genetics)

I. Short notes - Pathology (Answer any Five questions only) 5x5 = 25

1. 
2. 
3. 
4. 
5. 
6. 
7. 

II. Genetics (Answer any Three questions only) 4x3 = 12

1. 
2. 
3. 
4.
Nursing Research and Statistics Question Paper will consist of Section – A Nursing Research 50 Marks and Section – B Statistics 25 Marks

SECTION – A Nursing Research

I. Answer any Two questions only  
   \[2 \times 15 = 30\]
   1.
   2.
   3.

II. Short Notes (Answer any Four questions only)  
   \[4 \times 5 = 20\]
   1.
   2.
   3.
   4.
   5.
   6.

SECTION - B Statistics

I. Answer any one question only  
   \[1 \times 10 = 10\]
   1.
   2.

II. Short Notes (Answer any Three questions only)  
   \[3 \times 5 = 15\]
   1.
   2.
   3.
   4.
   5.