SYLLABUS AND REGULATIONS

B.Sc. NURSING (4 YEARS PROGRAM)

(2018 - 2019 ONWARDS)

PONDICHERRY UNIVERSITY
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<td>Midwifery &amp; Obstetrical Nursing – Practical</td>
<td>146</td>
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<td>33.</td>
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<td>Community Health Nursing – II Practical</td>
<td>157</td>
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<td>Management of Nursing Services &amp; Education</td>
<td>159</td>
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</tbody>
</table>
Philosophy

(Adapted from Indian Nursing Council) *
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 life long learning.

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

* Revised
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 45 % 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)
PONDICHERRY 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 PONDICHERRY UNIVERSITY, Puducherry”.

They shall come into force from the academic year 2018-2019 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 45% 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 four complete Years. *

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. *

5. REGISTRATION:

A Candidate admitted into B.Sc, Nursing Degree course in any one of the affiliated institutions of the PONDICHERRY 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 year. *

* Revised
b). A student who does not meet the minimum attendance requirement in a 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 year 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 annual pattern for all the four years on 1st Week of August and supplementary exam on 1st week of February. *

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 in the first attempt 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 in the first attempt 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**.
## B.Sc. NURSING PROGRAMME

### COURSE OF INSTRUCTION *

<table>
<thead>
<tr>
<th>S. No</th>
<th>Subject</th>
<th>Theory (In hrs.) (Class and Lab)</th>
<th>Practical (In hrs.) (Clinical)</th>
<th>Total Hours</th>
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<td><strong>First Year</strong></td>
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<tr>
<td>1.</td>
<td>English</td>
<td>60</td>
<td>60</td>
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<td>2.</td>
<td>Anatomy</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>3.</td>
<td>Physiology</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>4.</td>
<td>Nutrition</td>
<td>40 + 20</td>
<td>60</td>
<td></td>
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<tr>
<td>5.</td>
<td>Biochemistry</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>6.</td>
<td>Nursing Foundations</td>
<td>265 + 200</td>
<td>450</td>
<td>915</td>
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<tr>
<td>7.</td>
<td>Psychology</td>
<td>60</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Microbiology</td>
<td>45 + 15</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Introduction to computers</td>
<td>15 + 30</td>
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<tr>
<td>10.</td>
<td>Regional Language</td>
<td>30</td>
<td>30</td>
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</tr>
<tr>
<td>11.</td>
<td>Library Work / Self Study</td>
<td>50</td>
<td>50</td>
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<tr>
<td></td>
<td>Co-curricular activities</td>
<td></td>
<td></td>
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<td></td>
<td><strong>Total Hours</strong></td>
<td>930</td>
<td>450</td>
<td>1480</td>
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<tr>
<td></td>
<td><strong>Second Year</strong></td>
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<tr>
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<td>Sociology</td>
<td>60</td>
<td>60</td>
<td>60</td>
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<td>2.</td>
<td>Pharmacology</td>
<td>45</td>
<td>45</td>
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</tr>
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<td>3.</td>
<td>Pathology</td>
<td>30</td>
<td>30</td>
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<tr>
<td>4.</td>
<td>Genetics</td>
<td>15</td>
<td>15</td>
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<td>5.</td>
<td>Medical-Surgical Nursing (Adult including Geriatrics) - I</td>
<td>210</td>
<td>720</td>
<td>930</td>
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<td>Community Health Nursing-I</td>
<td>90</td>
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<td>Communication and Educational Technology</td>
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<td>90</td>
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<td>8.</td>
<td>Library Work / Self Study</td>
<td>50</td>
<td>50</td>
<td></td>
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<tr>
<td>9.</td>
<td>Co-curricular activities</td>
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<td></td>
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<tr>
<td></td>
<td><strong>Total Hours</strong></td>
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<td>855</td>
<td>1480</td>
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<td><strong>Third Year</strong></td>
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<td>1.</td>
<td>Medical Surgical Nursing (Adult including Geriatrics)</td>
<td>180</td>
<td>400</td>
<td>580</td>
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<td>Child Health Nursing</td>
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<td>270</td>
<td>360</td>
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<td>3.</td>
<td>Mental Health Nursing</td>
<td>90</td>
<td>270</td>
<td>360</td>
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<td>Nursing Research &amp; Statistics</td>
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<td>45</td>
<td>90</td>
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<tr>
<td>5.</td>
<td>Library Work / Self Study</td>
<td>50</td>
<td>50</td>
<td></td>
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<tr>
<td>6.</td>
<td>Co-curricular activities</td>
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<td>985</td>
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<td><strong>Fourth Year</strong></td>
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<td>1.</td>
<td>Midwifery and Obstetrical Nursing ***</td>
<td>90</td>
<td>180</td>
<td>270</td>
</tr>
<tr>
<td>2.</td>
<td>Community Health Nursing – II ***</td>
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<td>135</td>
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<td>Management of Nursing Services and Education ***</td>
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<td>90</td>
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<td><strong>Total Hours</strong></td>
<td>240</td>
<td>345</td>
<td>585</td>
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</table>

*** 5 hours per week to be planned for revision during internship

* Revised
## Integrated Nursing Training (INTERNSHIP)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Practical (In hrs)</th>
<th>In weeks</th>
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<tbody>
<tr>
<td>1. Midwifery and Obstetrical Nursing</td>
<td>432</td>
<td>9</td>
</tr>
<tr>
<td>2. Community Health Nursing – II</td>
<td>192</td>
<td>4</td>
</tr>
<tr>
<td>3. Medical Surgical Nursing - II (Adult and Geriatric)</td>
<td>240</td>
<td>5</td>
</tr>
<tr>
<td>4. Child Health Nursing</td>
<td>144</td>
<td>3</td>
</tr>
<tr>
<td>5. Mental Health Nursing</td>
<td>96</td>
<td>2</td>
</tr>
<tr>
<td>6. Research Project*</td>
<td>45</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1150</strong></td>
<td><strong>24</strong></td>
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</table>

*Total Hours = 1149 + 585 = 1734

*project work to be carried out during internship*

**Note:**

- Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included.
- Internship should be carried out as 8 hours per day @ 48 hours per week.
- Students during internship will be supervised by nursing teachers.
- Students will be eligible to appear in the fourth year final examination only after completion of Internship (24 weeks).
The student should get pass marks in each subject (Section A and B).

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

* Revised
DISTRIBUTION OF TYPE OF QUESTION PATTERN *

For all the single subjects:

<table>
<thead>
<tr>
<th>Type of Question Pattern</th>
<th>Calculation</th>
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<tr>
<td>Essay questions</td>
<td>2 x 15 marks = 30 marks</td>
</tr>
<tr>
<td>Short Notes</td>
<td>5 x 5 marks = 25 marks</td>
</tr>
<tr>
<td>Short Answer</td>
<td>10 x 2 marks = 20 marks</td>
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</tbody>
</table>

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75 marks
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For all Combined subjects:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Subjects</th>
<th>Sections</th>
<th>No. of Essay questions (15 Marks)</th>
<th>No. of Short Notes (5 Marks)</th>
<th>No. of Short Answer (2 Marks)</th>
<th>Total Marks</th>
</tr>
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<tr>
<td>1.</td>
<td>Anatomy and Physiology</td>
<td>Anatomy</td>
<td>1</td>
<td>3</td>
<td>5</td>
<td>40</td>
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<tr>
<td></td>
<td></td>
<td>Physiology</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>35</td>
</tr>
<tr>
<td>2.</td>
<td>Nutrition and Biochemistry</td>
<td>Nutrition</td>
<td>1</td>
<td>3</td>
<td>5</td>
<td>40</td>
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<tr>
<td></td>
<td></td>
<td>Biochemistry</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>35</td>
</tr>
<tr>
<td>3.</td>
<td>Pharmacology, Pathology &amp; Genetics</td>
<td>Pharmacology</td>
<td>1</td>
<td>3</td>
<td>5</td>
<td>40</td>
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<tr>
<td></td>
<td></td>
<td>Pathology</td>
<td>1 (10 marks)</td>
<td>2</td>
<td>-</td>
<td>20</td>
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<td></td>
<td></td>
<td>Genetics</td>
<td></td>
<td>1</td>
<td>5</td>
<td>15</td>
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<tr>
<td>4.</td>
<td>Nursing Research and Statistics</td>
<td>Nursing Research</td>
<td>1</td>
<td>4</td>
<td>5</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Statistics</td>
<td></td>
<td>4</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

MARKS QUALIFYING FOR PASS:

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

* Revised
1. Minimum Pass marks for all subjects except English shall be 50% in each of the Theory and Practical papers separately.
2. The minimum pass mark shall be 40% for English.
3. Theory and Practical exams for Introduction to computers to be conducted as college exam and marks to be sent to the University for Inclusion in the mark sheet.
4. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in each theory subject for appearing for examination.
5. A candidate must complete 100% of hours notified in each of the practical areas before award of degree.
6. A candidate has to pass in theory and practical exam separately in both internal and external of each paper.
7. If a candidate fails in either theory or practical paper he/she has to re-appear for both the papers (Theory and practical).
8. A candidate should not be permitted to appear for fourth year final examination unless the candidate has passed all the subjects of previous years.
9. The maximum period to complete the course successfully should not exceed 8 years.
10. Maximum number of candidates for practical examination should not exceed 20 per day.
11. All practical examinations must be held in the respective clinical areas.
12. One internal and one external examiner should jointly conduct practical examination for each student.
13. 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.
Placement: First year

Course description:

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

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

**ENGLISH 100 MARKS**

**Internal Examination :** 100

**References:**

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

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

**Prescribed Internal Assessment Weightage:**

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

**Bibliography:**

PHYSIOLOGY

Placement: First year
Theory - 60 Hours

Course Description:

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

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

**Prescribed Internal Assessment Weightage:**

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

**Reference Books**

NUTRITION

Placement: First year
Course Description:

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

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

**Prescribed Internal Assessment**

**Weightage: NUTRITION**

<table>
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<tr>
<th>Internal Assessment</th>
<th>Term Test</th>
<th>Assignment</th>
<th>Dietary practical</th>
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**Reference:**

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

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<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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| 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 organization  
* Microscopy | Lecture discussion using charts, slides Demonstrate use of microscope | * Short answer questions  
* Objective type |
| II   | 6          | * Describe the Structure and functions of Cell membrane | Structure and functions of Cell membrane  
* Fluid mosaic model tight junction, Cytoskeleton  
* Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump  
* Acid base balance-maintenance & diagnostic tests  
- PH buffers | Lecture discussion | * Short answer questions  
* Objective type |
| III  | 6          | * Explain the metabolism of carbohydrates | Composition and metabolism of Carbohydrates  
* Types, structure, composition and uses  
- Monosaccharides,  
- Disaccharides, Polysaccharides, Oligosaccharides | Lecture discussion Demonstration of blood glucose monitoring | Short answer questions Objective type |
|      |            |                     | * Metabolism Pathways of glucose:  
- Glycolysis  
- Gluconeogenesis: Cori’s | | * |
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<td>cycle, Tricarboxylic acid (TCA) cycle</td>
<td>Lecture Discussion using charts Demonstration of laboratory tests</td>
<td>Short answer questions Objective type</td>
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<td>- Glycogenolysis</td>
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<td>Investigations and their Interpretations</td>
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| IV   | 4          | Explain the metabolism of Lipids | ***Composition and metabolism of Lipids***  
- Types, structure, composition and uses of fatty acids  
  - Nomenclature, Roles and Prostaglandins  
- Metabolism of fatty acid  
  - Breakdown  
  - Synthesis  
- Metabolism of triacylglycerols  
- Cholesterol metabolism  
  - Biosynthesis and its Regulation  
  - Bile salts and bilirubin  
  - Vitamin D  
  - Steroid hormones  
- Lipoproteins and their functions:  
  - VLDLs- IDLs, LDLs and HDLs  
  - Transport of lipids  
  - Atherosclerosis, Investigations and their interpretations | | |
| V    | 6          | Explain the metabolism of Amino acids and Proteins | ***Composition and metabolism of Amino acids and Proteins***  
- Types, structure, composition and uses of Amino acids and Proteins  
- Metabolism of Amino acids and Proteins  
- Protein synthesis, targeting and glycosylation  
  - Chromatography  
  - Electrophoresis | | |

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<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
| VI   | 2          | * Describe 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  
Demonstrate laboratory tests | Short answer questions  
Objective type |
| VII  | 3          | * Describe Immuno-chemistry | Immunochemistry  
- Immune response,  
- Structure and classification of immunoglobins  
- Mechanism of antibody production  
- Antigens: HLA typing.  
- Free radical and Antioxidants.  
- Specialised Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein.  
- Electrophoretic and Quantitative determination of immunoglobins — ELISA etc. Investigations and their interpretations | Lecture  
Discussion  
Demonstrate laboratory tests | Short Answer questions  
Objective type |

**Prescribed Internal Assessment Weightage:**

**Internal Assessment**  
- Term Test - 15  
- Laboratory - 5  
- Assignment - 5
Reference:

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

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<th>Assessment met</th>
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</table>
| I    | 10         | Describe the concept of health, illness and health care agencies | **Introduction**  
  - Concept of Health: Health – Illness continuum  
  - Factors influencing health  
  - Causes and risk factors for developing illness  
  - Body defences: Immunity and immunization  
  - Illness and illness Behaviour:  
  - Impact of illness on patient and family /  
  - Health Care Services: Health Promotion and prevention and Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care  
  - Health care teams  
  - Types of health care agencies:  
  - Hospitals: Types, Organization Functions  
  - Health Promotion and Levels of Disease Prevention  
  - Primary health care and its delivery: Role of nurse | Lecture discussion  
  Visit to health care agencies | * Essay type  
  * Short answer questions  
  * Objective typ |
| 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 answer questions  
  * Objective typ |
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|      |            | * Explain the admission and discharge procedure  
* Performs admission and discharge procedure | Hospital admission and discharge  
• Admission to the hospital  
• Unit and its preparation  
• Admission bed  
• Admission procedure  
• Special considerations  
• Medico-legal issues  
• Roles and Responsibilities of the nurse  
• Discharge from the hospital  
• Types: Planned discharge, LAMA and abscond, Referrals and transfers  
• Discharge Planning  
• Discharge procedure  
• Special considerations  
• Medico-legal issues  
• Roles and Responsibilities of the nurse  
• Care of the unit after discharge | Lecture discussion  
Demonstration  
Lab Practice  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assess skills with checklist  
Clinical practical examination |
| III  | 4          |                     |         |                            |                 |
| IV   | 10         | Communicate effectively with patient, families and team member and maintain effective human relationship | Communication and Nurse patient relationship  
• Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication  
• Methods of Effective Communication, Attending skills | Lecture discussion Role play and video film on the nurses interacting with the patient Practice session on patient | Essay type  
Short answers  
Objective type |
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<th>Unit</th>
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</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,  
  o Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing  
  - Nursing Process Overview: Application in Practice  
  o Nursing process format: INC, current format  
  o Assessment Collection of Data: Types, Sources, Methods  
  - Formulating Nursing judgment: Data interpretation  
  o Nursing diagnosis  
  - Identification of client problems  
  - Nursing diagnosis statement  
  - Difference between medical and nursing diagnosis  
  o Planning | teaching  
Supervised Clinical practice | Essay type  
Short answers  
Objective type |

- Rapport building skills  
- Empathy skills  
- Barriers to effective communication,  
  • Helping Relationships (NPR): Dimensions of Helping, Relationships, Phases of a helping relationship  
  • Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group(children, women, physically and mentally challenged and elderly)  
  • Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process
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</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: Transfer reports, Incident reports  
- Minimizing legal Liability through effective record keeping | Lecture discussion  
Demonstration Practice Session  
Supervised Clinical practice | Essay type  
Short answers  
Objective type |
| VII  | 15         | * Describe 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 | Lecture  
Discussion  
Demonstration Practice  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assess with check list and clinical practical |
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<th>Unit</th>
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<th>Assessment methods</th>
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</table>
| VIII | 30         | * Describe purpose and process of health assessment  
* Describe the health assessment each body system  
* Perform health assessment of each body system | **Health assessment**  
• Purposes  
• Process of Health assessment  
- Health history  
- Physical examination:  
- Methods- inspection, Palpation, Percussion, Auscultation, Olfaction  
Preparation for examination: patient and unit.  
General assessment  
Assessment of each body System  
Recording of health assessment. | * Lecture discussion  
* Demonstration  
* Practice on simulators  
* Supervised Clinical practice | Essay type  
Short answers  
Objective Type |
| IX   | 5          | * Identifies the various | **Machinery, Equipment and linen** | * Lecture discussion | * Essay type  
* Short |
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<th>Unit</th>
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<th>Assessment methods</th>
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<td>X</td>
<td>60</td>
<td>machinery, equipment and linen and their care</td>
<td>Types: Disposables and re-usables - Linen, rubber goods, glass ware, metal, plastics, furniture, machinery Introduction: - Indent - Maintenance - Inventory</td>
<td>* Demonstration</td>
<td>answers</td>
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**Meeting needs of patient**

- Basic needs (Activities of daily living)
  - Providing safe and clean environment:
    - Physical environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control -
    - Reduction of Physical hazards: fire, accidents
    - Safety devices: Restraints, side rails, airways, trapez etc
    - Role of nurse in providing safe and clean environment
  - Hygiene: -
    - Factors Influencing Hygienic Practice
    - Hygienic care: Care of the Skin - Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears, and Nose
    - Assessment, Principles, Types, Equipments, Procedure, Special Considerations
  - Patient environment: Room Equipment and linen,
  - Making patient beds Types of beds and bed making Comfort:
    -
    - Factors Influencing Comfort
    - Comfort devices Physiological needs:
      - Sleep and Rest:
      - Physiology of sleep
      - Factors affecting sleep
      - Promoting Rest and sleep

- Lecture discussion
- Demonstration
- Practice sessions
- Supervised
- Clinical practice

* Essay type
* Short
* answers
* Objective type
* Assess with check list and clinical practical examination
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<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</table>
|      |            |                     | - Sleep Disorders  
Nutrition:  
- Importance  
- Factors affecting nutritional  
- Assessment of nutritional needs: Variables  
- Meeting Nutritional needs: Principles, equipments, procedure and special considerations  
- Oral  
- Enteral: Naso/ Orogastric, gastrostomy  
- Parenteral:  
- Urinary Elimination  
- Review of Physiology of Urine Elimination, Composition and characteristics of urine Factors Influencing Urination  
Alteration in Urinary Elimination  
Types and Collection of urine specimen: Observation, urine testing  
Facilitating urine elimination: assessment, types, equipments, procedures and special considerations  
- Providing urinal / bed pan o Condom drainage  
 o Perineal care  
 o Catheterization  
 o Care of urinary drainage  
 o Care of urinary diversions o Bladder irrigation  
* Bowel Elimination  
- Review of Physiology of Bowel Elimination, Composition and characteristics of faeces  
- Factors affecting Bowel elimination  
- Alteration in Bowel Elimination  
- Types and Collection of specimen of faeces: Observation  
- Facilitating bowel elimination: assessment, |
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<td>- Nursing interventions for impaired Body Alignment and Mobility</td>
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<td>- Range of motion exercises</td>
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<td>Correcting Fluid, Electrolyte</td>
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<td>Imbalance: Replacement</td>
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<td>Oral and Parenteral Venipuncture,</td>
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<td>regulating IV Flow rates,</td>
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<td>changing IV solutions and tubing,</td>
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<td>Changing IV dressing,</td>
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<td>Adaptation, Self-concept,</td>
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<td>Sexuality, Spiritual Health,</td>
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<td>Coping with loss, death and</td>
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| XI   | 20         | Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical settings | **Infection control in Clinical settings**  
- Infection control  
- Nature of infection  
- Chain of infection transmission  
- Defenses against infection: natural and acquired  
- Hospital acquired infection (Nosocomial infection)  
- Concept of asepsis: medical asepsis, and surgical asepsis  
- Isolation precautions (Barrier nursing):  
  - Hand washing: simple, hand antisepsis and surgical antisepsis (scrub)  
  - Isolation: source and protective  
  - Personal protecting equipments: types, uses and technique of wearing and removing  
  - Decontamination of equipment and unit  
  - Transportation of infected patients  
  - Standard safety precautions (Universal precautions)  
  - Transmission based precautions  
  • Biomedical waste management:  
  - Importance  
  - Types of hospital waste  
  - Hazards associated with hospital waste  
  - Decontamination of hospital waste  
  - Segregation and Transportation and disposal | Lecture discussion  
Demonstration  
Practice session  
Supervised Clinical practice | |
| XII  | 40         | Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within | **Administration of Medications:**  
- General  
- Principles / consideration  
- Purposes of Medication  
- Principles: 5 rights; special consideration;  
Prescriptions; Safety in Administering | Essay type  
Short answers  
Objective type  
Assess with check list and clinical practical examination |
<table>
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<th>Unit</th>
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| XIII | 10         | Describe the pre and post operative care of patients Explain the process of wound healing Explain the principles and | considerations  
- Intra Venous: purpose, site, equipment, procedure, special considerations  
- Advanced techniques: epidural, intra-thecal, intra-osseous, intra-peritoneal, intra-plural, intra-arterial- Role of nurse  
Topical Administration: purposes, site, equipment, procedure, special considerations for  
Application to Skin  
Application to mucous membrane  
- Direct application of liquids-Gargle and swabbing the throat  
- Insertion of Drug into body cavity: Suppository, medicated packing in rectum/vagina  
- Instillations: Ear, Eye, Nasal, Bladder, and Rectal  
- Irrigations: Eye, Ear, Bladder, Vaginal and Rectal  
- Spraying: Nose and throat  
Inhalation: Nasal, oral, endotracheal (steam, oxygen and medications) purposes, types, equipment, procedure, special considerations  
- Recording and reporting of medications administered | Lecture discussion  
Demonstration  
Practice session  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assess with check list and clinical practical |
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<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
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</table>
|      |            | techniques of care  | - Role of nurse  
- Postoperative Phase  
- Recovery unit  
- Post operative unit  
- Postoperative care,  
Wounds: types, Classifications,  
Healing Process, Factors  
affecting Wound, Complications of  
Wound Healing  
Surgical asepsis  
Care of the wound: types,  
equipments, procedure and  
special considerations  
- Dressings, Suture Care,  
- Care of Drainage  
- Application of Bandages,  
Binders, Splints & Slings  
- Heat and Cold Therapy | | examination |
| XIV  | 15         | Explain care of patients having alterations in body functioning | **Meeting special needs of the patient**  
- Care of patients 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 & hearing impairment)  
- Assessment of Self-Care ability  
- Communication Methods and special considerations  
- Mobility (physically challenged, cast), assessment of Self-Care ability;  
Communication Methods and special considerations  
- Mental state (mentally challenged), assessment of Self-Care ability;  
- Communication Methods and special considerations  
- Respiration (distress); Types, Assessment, Management Comfort - (Pain) - Nature, Types, | Lecture discussion  
Case discussions  
Supervised clinical practice | Essay type  
Short answers  
Objective Type |
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<th>Unit</th>
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<td>Factors influencing Pain, Coping, Assessment, Management; Treatment related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric analysis</td>
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</table>
| XV   | 5          | Explain care of terminally ill patient | Care of Terminally ill patient  
  - Concepts of Loss, Grief, grieving Process  
  - Signs of clinical death  
  - Care of dying patient: special considerations  
  - Advance directives: euthanasia, will, dying declaration, organs donation etc  
  - Medico-legal issues  
  - Care of dead body: equipment, procedure and care of unit  
  - Autopsy  
  - Embalming | Lecture discussion  
Demonstration  
Case discussion / Role play Practice session Supervised Clinical practice | Essay type  
Short answers  
Objective Type |
| XVI  | 6          | Explain the basic concepts of conceptual and theoretical models of nursing | Professional Nursing concepts and practices  
  - Conceptual and theoretical models of nursing practice: Introduction to models- holistic model, health belief model, health promotion model etc  
  - Introduction to Theories in Nursing: Peplau’s, Henderson’s, Orem’s, Neuman’s, Roger’s and Roy’s  
  - Linking theories with nursing process | Lecture discussion | Essay type  
Short Answers |

**Prescribed Internal Assessment Weightage:**

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

5. Fuller, Health Assessment: Nursing Approach, Lippincott, 3rd Edition
## NURSING FOUNDATIONS - PRACTICAL

**Placement:** First year  
**Time:** Practical - 450 hours  
(200 lab and 450 clinical)

### Course Description:

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

<table>
<thead>
<tr>
<th>Areas</th>
<th>Time (Hrs)</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
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</table>
| Demonstration Lab General Medical and surgery ward | 200 + 450 Minimum practice time in clinical area | Performs admission and discharge procedure | Hospital admission and discharge (III)  
• Admission  
• Prepare Unit for new patient  
• Prepare admission bed  
• Performs admission procedure  
• New patient  
• Transfer in Prepare patient records  
• Discharge/transfer out  
• Gives discharge counseling  
• Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers)  
• Prepare records of discharge/transfer  
• Dismantle, and disinfect unit and equipment after  
• discharge/transfer  
Perform assessment:  
• History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, selection of interventions  
• Write Nursing Care Plan | Practice in Unit Hospital  
Write nursing process records of patient  
Simulated - Actual - | Evaluate with checklist  
Assessment of clinical performance with rating scale  
Completion of Practical record  
Assessment of nursing process records with checklist  
Assessment of actual care given with rating scale |
<table>
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<tr>
<th>Areas</th>
<th>Time (Hrs)</th>
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<td></td>
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<td>• Gives care as per the plan</td>
<td>Communication</td>
<td>Role-plays in simulated situations on communication techniques-I Healthtalk-I</td>
<td>Assess role plays with the checklist on comm.-unication techniques</td>
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<td>Communicate effectively with patient, and team members and Maintain effective human relations Develops plan for patient teaching</td>
<td>Prepare a plan for patient teaching session</td>
<td>Write nurses notes and present the patient report of 2-3 assigned patient</td>
<td>Assess health talk with the checklist Assess-ment of comm-unication tech-niques by rating scale</td>
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<td>Write patient report</td>
<td>Write patient report</td>
<td>Lab practice Measure Vital signs of assigned patient</td>
<td>Assessment of each skill with checklist Completion of activity record</td>
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<td>Vital signs</td>
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<td>Health assessment</td>
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<td>Health history taking</td>
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<td>* Perform assessment:</td>
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<td>* General</td>
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<td>* Body systems</td>
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<td>* Use various methods of physical examination</td>
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<td>* Inspection,</td>
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<td>* Palpation,</td>
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<td>* Percussion,</td>
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<td>* Auscultation,</td>
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<td>* Olfaction</td>
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<td>* Identification of system wise deviations</td>
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<td>Perform health assessment of each body system</td>
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<td>Provide basic nursing care to</td>
<td>Prepare Patient’s unit:</td>
<td>Practice in lab &amp; hospital</td>
<td>Assessment of each skill with</td>
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<td>* Prepare beds:</td>
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<td>patients</td>
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<td>* Open, closed, occupied, * Operation, amputation, * Cardiac, fracture, burn, divided &amp; Fowlers bed * Pain assessment and provision for comfort <strong>Use comfort devices</strong> <strong>Hygienic care:</strong> * Oral hygiene: * Baths and care of pressure points * Hair wash, Pediculosis treatment <strong>Feeding:</strong> * Oral, Enteral, Naso / Orogastric, gastrostomy and Parenteral feeding * Naso-gastric insertion, suction, and irrigation <strong>Assisting patient in urinary elimination</strong> * Provides urinal/bed pan * Condom drainage * Perineal care * Catheterization * Care of urinary drainage <strong>Bladder irrigation</strong> <strong>Assisting bowel Elimination:</strong> * Insertion of Flatus tube * Enemas * Insertion of Suppository <strong>Bowel wash</strong> <strong>Body Alignment and Mobility:</strong> * Range of motion exercises * Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone, Trendelenburg position</td>
<td>Simulated exercise on CPR manikin</td>
<td>rating scale Completion of activity record</td>
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<td>* Assist patient in Moving, lifting, transferring, walking</td>
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<td>* Restraints</td>
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<td>Oxygen administration</td>
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<td>Suctioning: oropharyngeal, nasopharyngeal</td>
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<td>Chest physiotherapy and postural drainage</td>
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<td>Care of Chest drainage</td>
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<td>CPR- Basic life support</td>
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<td>Intravenous therapy</td>
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<td>Blood and blood component therapy</td>
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<td>Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids</td>
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<td>Perform lab tests:</td>
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<td>* Urine: sugar, -albumin, acetone</td>
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<td>* Blood: sugar (with strip glucometer)</td>
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<td>Hot and cold applications: local and general Sitz bath</td>
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<td>Communicating and assisting with self-care of visually &amp; hearing impaired patients</td>
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<td>Communicating and assisting with self-care of mentally challenged/disturbed patients</td>
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<td>Recreational and diversional therapies</td>
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<td>Caring of patient with alteration in sensorium</td>
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<td>Perform infection control procedures</td>
<td><strong>Infection control</strong></td>
<td>Perform following procedures:  * Hand washing techniques  * (Simple, hand antisepsis and surgical antisepsis (scrub)  * Prepare isolation unit in lab/ward  * Practice technique of wearing and removing Personal protective equipment (PPE)  * Practice Standard safety precautions (Universal precautions)</td>
<td>Observation study - 2 Department of Infection control &amp; CSSD Visits CSSD write observation report Collection of samples for culture Do clinical posting in infection control department and write report Practice in lab/ward</td>
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<td>Areas</td>
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</table>
| * Administer drugs | | Administration of medications | * Administer Medications in different forms and routes  
* Oral, Sub lingual and Buccal  
* Parenteral Intra-dermal, subcutaneous, Intramuscular etc.  
* Assist with Intra Venous medications  
* Drug measurements and dose calculations  
* Preparation of lotions and solutions  
* Administers topical applications  
* Insertion of drug into body cavity: Suppository & medicated packing etc.  
* Instillation of medicines and spray into Ear, Eye, Nose and throat  
* Irrigations: Eye, Ear, Bladder, Vagina and Rectum  
* Inhalations: dry and moist | | |
| * Provide care to dying and dead  
* Counsel and support relatives | | Care of dying patient | * Caring and packing of dead body  
* Counseling and supporting grieving relatives  
* Terminal care of the unit | | |

**Prescribed Internal Assessment Weightage:**

**NURSING FOUNDATIONS – PRACTICAL**

<table>
<thead>
<tr>
<th>Internal Assessment</th>
<th>Practical Examination</th>
<th>- 25</th>
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<tbody>
<tr>
<td>Clinical Evaluation</td>
<td>-10</td>
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<td>Procedural Demonstration</td>
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<td>Practical Record</td>
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<td>Observational Study</td>
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</table>
**PSYCHOLOGY**

**Placement: First year**

**Course Description:**

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>2</td>
<td>Describe the history, scope and methods of psychology</td>
<td><strong>Introduction</strong> • History and origin of science of psychology • Definitions &amp; Scope of Psychology • Relevance to nursing • Methods of Psychology</td>
<td>Lecture discussion</td>
<td>Essay type Short answer</td>
</tr>
<tr>
<td>II</td>
<td>4</td>
<td>* Explain the biology of Human behaviour</td>
<td><strong>Biology of behaviour</strong> • 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</td>
<td>Lecture discussion</td>
<td>* Essay type * Short answers</td>
</tr>
<tr>
<td>III</td>
<td>20</td>
<td>* Describe various cognitive processes and their applications</td>
<td><strong>Cognitive processes</strong> • Attention: Types, determinants, Duration &amp; 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</td>
<td>Lecture Discussion Psychometric assessment: Practice sessions</td>
<td>Essay type Short answers</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
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</table>
| 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  
• Emotions & stress Emotion: Definition, components, Changes in emotions, theories emotional adjustments, emotions in health and illness  
Stress: stressors, cycle, effect, adaptation & coping  
• Attitude: Meaning, nature, development, factors affecting, Behaviour and attitudes  
Attitudinal change  
• Psychometric assessments of emotions and attitudes  
• Alterations in emotions Applications |
| 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 |
| VI   | 7          | Describe psychology of people during the life cycle | Developmental Psychology  
• Psychology of people at different ages from infancy to old age  
• Psychology of vulnerable individuals-challenged, women, sick, etc Psychology of groups |
| 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- |

<table>
<thead>
<tr>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture Discussion Role plays Case Discussion Demonstration</td>
<td>Essay type Short answers</td>
</tr>
<tr>
<td>Lecture discussion Demonstration</td>
<td>Essay type Short answers</td>
</tr>
<tr>
<td>Lecture Discussion Case Discussion</td>
<td>Essay type Short answers</td>
</tr>
<tr>
<td>Lecture Discussion Case Discussion Role play Demonstration</td>
<td>Essay type Short answers</td>
</tr>
</tbody>
</table>

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<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>VIII</td>
<td>4</td>
<td>Explain the Psychological assessment &amp; tests</td>
<td>• Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment</td>
<td>Lecture Discussion Demonstration Practice sessions</td>
<td>Assessment of practice</td>
</tr>
</tbody>
</table>

**Prescribed Internal Assessment Weightage:**

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

References:

MICROBIOLOGY

Placement: First year

Time: Theory – 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>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5          | Explain concepts and principles of microbiology and their Importance nursing | **Introduction:**  
- Importance and relevance to nursing  
- Historical perspective  
- Concepts and terminology  
- Principles of microbiology | Lecture Discussion | Short answer questions  
Objective type |
| II   | 10 3       | Describe structure, classification morphology and growth of bacteria Identify Micro-organisms | **General characteristics of Microbes**  
- Structure and classification of Microbes  
- Morphological types  
- Size and form of bacteria  
- Motility  
- Colonization  
- Growth and nutrition of microbes  
- Temperature  
- Moisture  
- Blood and body fluids  
- Laboratory methods for Identification of Microorganisms  
- Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation  
- Culture; various medias | Lecture Discussion  
Demonstration | Short answer questions  
Objective type |
<table>
<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  | 10 2       | Describe the methods of infection control Identify the role of nurse in hospital infection control programme | **Infection control**  
- Infection: Sources, portals of entry and exit, transmission  
- Asepsis  
- Disinfection: Types and methods  
- Sterilization: Types and Methods  
Chemotherapy and antibiotics  
- Standard safety measures  
- Biomedical waste management  
- Role of Nurse  
- Hospital acquired infection  
- Hospital infection control programme Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse’s accountability, continuing education etc. | Lecture Discussion  
Demonstration Visits to CSSD Clinical practice | Short answers  
Objective type |
| IV   | 10 5       | Describe the different disease producing organisms | **Pathogenic organisms**  
- Micro-organisms  
  - Cocci — gram positive and gram negative  
  - bacilli— gram positive and gram negative  
  - Spirochaete  
  - Mycoplasma  
  - Rickettsiae  
  - Chlamydiae  
- Viruses -  
- Fungi -Superficial and Deep mycoses  
- Parasites  
- Rodents & vectors  
Characteristics, Source, portal of entry, transmission of infection Identification of disease producing micro-organisms  
Collection, handling and transportation of various specimens | Lecture Discussion  
Demonstration | Short answer questions  
Objective type |
<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    | 10 5       | Explain the concept of immunity, hyper sensitivity and immunization | **Immunity**  
• Immunity-Types, classification  
• Antigen and antibody reaction  
• Hypersensitivity — skin test  
• Serological tests  
• Immunoprophylaxis  
Vaccines & sera -Types & Classification, storage and handling, cold chain  
Immunization for various diseases  
-Immunization Schedule | Lecture  
Discussion  
Demonstration  
Clinical practice | Short answers  
Objective type |

**Prescribed Internal Assessment Weightage:**

**MICROBIOLOGY**

<table>
<thead>
<tr>
<th>Internal Assessment</th>
<th>Term Test</th>
<th>Assignment</th>
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<tbody>
<tr>
<td></td>
<td>- 30</td>
<td>- 20</td>
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</tbody>
</table>

**Reference :**

INTRODUCTION TO COMPUTERS

Placement: First year

Time: Theory - 15 hours

Practical – 30 hours

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>
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<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1</td>
<td>Identify &amp; define various concepts used in computer</td>
<td>Introduction: • Concepts of Computers • Hardware and software; trends and technology • Application of computers in nursing</td>
<td>Lecture Discussion Demonstration</td>
<td>Short answers Objective type</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Describe and Use the Disk Operating System</td>
<td>• Introduction to disk-operating system DOS c Windows (all version) • Introduction u MS-Word MS-Excel with pictorial presentation MS-Access MS-Power point</td>
<td>Lecture Discussion Demonstration Practice Session</td>
<td>Short answer questions Objective type Practical Exam</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Demonstrate skill in the use of MS Office</td>
<td>Multimedia; types &amp; uses Computer aided teaching &amp; testing.</td>
<td>Lecture Discussion Demonstration</td>
<td>Short answers Objective type Practical Exam and Viva Voce</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Demonstrate skill in using multi-media</td>
<td>Use of Internet and: e-mail</td>
<td>Lecture Discussion Demonstration Practice Session</td>
<td>Short answers Objective type Practical Exam and Viva Voce</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Describe the statistical packages</td>
<td>Statistical packages: types and their features</td>
<td>Lecture Discussion Demonstration Practice Session</td>
<td>Short answers Objective type Practical Exam and Viva Voce</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Describe the use of Hospital Management System</td>
<td>Hospital Management System: Types and uses</td>
<td>Lecture Discussion Demonstration</td>
<td>Short answer questions Objective type Practical Exam and Viva Voce</td>
</tr>
</tbody>
</table>
INTRODUCTION TO COMPUTERS  100 marks

Internal Examination :  100

References

2. Thacker N, Computers for Nurses, India, 2009
SOCIOLOGY

Placement: Second year

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 Activities</th>
<th>Assessment methods</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 |
| II   | 3          | * Describe the inter-relationship of individual in society and community | Individual & Society  
* Society and Community  
* Nature of Society  
* Difference between Society and Community  
* Process of Socialization and individualization  
* Personal disorganization | * Lecture  
Discussion | * Essay type  
* Short answers |
| III  | 5          | Describe the Bio-Diversity & Its Conservation | Bio-Diversity & Its Conservation  
Biogeographical classification of India  
❖ Value of bio-diversity: Consumptive use, productive use, social, ethical, aesthetic and option values  
❖ Bio-diversity at global, national and local levels  
❖ India as a mega diversity nation  
❖ Hot-Spot of bio-diversity  
❖ Threats to bio-diversity: habitat loss, poaching of wild life | * Lecture  
Discussion | * Essay type  
* Short answers |
<p>| | | | |</p>
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</table>
| IV | 6 | Describe the social issues and environment. | Social issues and environment:  
- From unsustainable to sustainable development  
- Urban problems and related to energy  
- Water conservation, rain water harvesting, water shed management  
- Resettlement and rehabilitation of people: its problem and concern-case studies  
- Environmental ethics: issues and possible solutions, climate change, global warming, acid rain, ocean layer depletion, nuclear accident and holocaust-case studies  
- Wasteland reclamation  
- Consumerism and waste products. |
| V  | 3 | * Describe the influence of culture on health and disease | Lecture Discussion  
Panel Discussion  
Essay type  
Short answers  
Culture  
- Nature of culture  
- Evolution of culture  
- Diversity and uniformity of culture  
- Culture and socialization  
- Transcultural society  
- Influence on health and disease |
| VI | 5 | * Identify various social groups and their interactions | Social groups and Processes  
The meaning and classification of groups  
Primary & Secondary  
Lecture Discussion  
Essay type  
Short answers |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Hrs)</td>
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</tbody>
</table>
| VII  | 5     | Explain the growth of population in India and its impact on health | **Population**  
- Society and population  
- Population distribution in India- Demographic characteristics  
- Malthusian theory of Populations  
- Population explosion in India and its impact on health status  
- Family welfare programmes | Lecture  
Discussion  
Community identification | Essay type  
Short answers  
Assessment of report on community identification |
| VIII | 4     | Describe the institutions of family and marriage in India | **Family and Marriage**  
- Family- Functions  
- Types-Joint, Nuclear, Blended and extended family: Characteristics  
- The Modern Family — Changes, Problems-Dowry etc., welfare Services  
- Changes & legislations on family and marriage in India - marriage acts  
- Marriage: Forms and functions of marriage,  
- Marriage and family problems in India  
- Family, marriage and their influence on health and health practices | Lecture  
Discussion  
Family Case study | Essay type  
Short answers  
Assessment of family case study |
<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>IX</td>
<td>5</td>
<td>Describe the class and caste system and their influence on health and health practices</td>
<td>Social Stratification Meaning &amp; types of social stratification The Indian Caste System-origin &amp; features Features of Caste in India Today • Social Class system and status • Social Mobility-Meaning &amp; Types • Race as a biological concept, criteria of racial classification • Salient features of Primary races- Racism • Influence of Class, Caste and Race on health and health practices</td>
<td>Lecture Discussion Community survey</td>
<td>Essay type Short answers Assessment of report on community survey</td>
</tr>
<tr>
<td>X</td>
<td>5</td>
<td>Describe the types of communities in India, their practices and the impact on health</td>
<td>Types of Communities in India (Rural, Urban and Regional) Features of village community&amp; Characteristics of Indian villages- Panchayat system, social dynamics Community Development project &amp; planning Changes in Indian Rural Life Availability of health facilities in rural and its impact on health and health practices Urban Community features The growth of cities: Urbanisation and its impact on health and health practices Major Urban problems- Urban Slums Region: Problems and impact on Health</td>
<td>Lecture Discussion Visits to rural and urban community Community survey</td>
<td>Essay type Short answers Assessment of report on community survey</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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</tr>
<tr>
<td>XI</td>
<td>4</td>
<td>Explain the process of Social Change</td>
<td><strong>Social Change</strong>&lt;br&gt;• Nature and process of Social Change&lt;br&gt;• Factors influencing Social change: cultural change, Cultural lag.&lt;br&gt;• Introduction to Theories of social change: Linear, Cyclic, Marxian, Functional&lt;br&gt;Role of nurse-Change agents</td>
<td>Lecture Discussion</td>
<td>Essay type Short answers</td>
</tr>
<tr>
<td>XII</td>
<td>5</td>
<td>Explain about the Social Organization and Social System</td>
<td><strong>Social organization and social system</strong>&lt;br&gt;• Social organization: elements, types&lt;br&gt;• Democratic and authoritarian modes of participation,&lt;br&gt;• Voluntary associations&lt;br&gt;• Social system: Definition and Types of social system&lt;br&gt;• Role and Status as structural elements of social system&lt;br&gt;Inter-relationship of institutions</td>
<td>Lecture Discussion&lt;br&gt;Observation visits</td>
<td>Essay type Short answers&lt;br&gt;Assessment of visit reports</td>
</tr>
<tr>
<td>XIII</td>
<td>3</td>
<td>Explain the nature and process of social control</td>
<td><strong>Social Control</strong>&lt;br&gt;• Nature and process of social control&lt;br&gt;• Political, Legal, Religious, Educational, Economic,&lt;br&gt;Industrial and Technological systems, Norms &amp; Values-&lt;br&gt;Folkways &amp; Mores&lt;br&gt;Customs, Laws and Fashion&lt;br&gt;Role of Nurse.</td>
<td>Lecture Discussion&lt;br&gt;Community survey</td>
<td>Essay type Short answers&lt;br&gt;Assessment of report on community survey.</td>
</tr>
<tr>
<td>XIV</td>
<td>6</td>
<td>Describe the role of the nurse in</td>
<td><strong>Social Problems</strong>&lt;br&gt;• Social disorganization</td>
<td>Lecture Discussion</td>
<td>Essay type Short</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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<td></td>
<td></td>
<td>dealing with social problems in India</td>
<td>• Control &amp; planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women &amp; children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS. Value education- HIV/AIDS, women and child welfare • Social Welfare programmes in India Role of nurse</td>
<td>Institutional visits</td>
<td>Answers</td>
</tr>
</tbody>
</table>

**Prescribed Internal assessment weightage:**

Internal Assessment :  
Term Test - 30  
Assignment - 20

Reference:

3. Mehta (SA), Study of Rural Sociology in India, Chand & Co.  
5. Majmudar (DN), An Introduction to Social Anthropology, Asia Publishing House, Bombay.  
8. Rao (SD), Psychology and Sociology for Paramedicals, Jaypee Brothers, New Delhi, 2006.
PHARMACOLOGY

Placement: Second year

Course Description:

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

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

Internal Assessment : Term Test - 15
                     Assignment - 10

References:

# PATHOLOGY AND GENETICS

**Placement:** Second year  
**Time:** Theory — 45 hours  
**Section A- Pathology**  
**Pathology:** 30 hrs (Theory 30)

## Course Description:

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

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

References:

**Section- B Genetics**  
**Placement: Second**  

**Course Description:**

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| I    | 2          | Explain nature, principles and perspectives of heredity | **Introduction:**  
- Practical application of genetics in Nursing  
- Impact of genetic condition on families  
- Review of cellular division mitosis and meiosis.  
- Characteristics and structure of genes  
- Chromosomes — sex determination  
- Chromosomal aberrations Patterns of inheritance  
  Mendelian theory of inheritance  
  Multiple allots and blood groups  
  Sex linked inheritance Mechanism of inheritance  
  Errors in transmission (Mutation) | Lecture  
Discussion  
Explain using charts, slides | Short answers  
Objective type |
| II   | 2          | Explain Ecosystem | **Ecosystems:**  
- Introduction- Definition: Genetics, species and ecosystem diversity  
- Concept of an ecosystem  
- Structure and function of an ecosystem producers, consumers and decomposers.  
- Energy flow in the ecosystem  
- Ecological succession  
- Forest ecosystem  
- Grassland ecosystem  
- Desert ecosystem  
- Aquatic ecosystem(ponds, streams, lakes, river, ocean, estuarics) | Lecture  
Discussion  
Explain using charts, slides | Short answers  
Objective Type |
| II | 3 | Explain Maternal, prenatal and genetic influences on development of defects and diseases | **Maternal, prenatal and genetic influences on development of defects and diseases**
- Conditions affecting the mother: genetic and infections
- Consanguinity atopy
- Prenatal nutrition and food allergies.
- Maternal Age
- Maternal drug therapy
- Prenatal testing and diagnosis
- Effect of Radiation, drugs and chemicals
- Infertility
- Spontaneous abortion
Neural Tube Defects and the role of folic acid in lowering the risks
Down syndrome (Trisomy 21) | 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 | Short Answers
Objective type |
| 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 | Short answers
Objective Type |
| V | 4 | Describe the role of nurse in genetic services and counselling | **Services related to Genetics**
- Genetic testing
- Human genome project
- Gene therapy
- The Eugenics movement
- Genetic Counselling
Legal and Ethical issues
Role of nurse | Lecture Discussion | Short answers
Objective Type |

*Prescribed Internal Assessment Weightage:*

**Internal Assessment** :  
- **Term Test** - 15  
- **Assignment** - 10

**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 GERIATRICS)-I

**Placement:** Second year

**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>
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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>
| 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 illness & Terminal illness, stages of illness  
- Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process.  
- Role of Nurse, patient and family in care of adult patient  
- Role and responsibilities of a nurse in medical surgical settings:  
  - Outpatient department.  
  - In-patient unit  
  - Intensive care unit.  
  - Home and Community settings  
Introduction to Medical Surgical asepsis  
- Inflammation and Infection  
- Immunity  
- Wound healing  
Care of Surgical Patient  
-Pre-operative  
-Intra operative  
-Post Operative | Lecture discussion  
Demonstration  
Practice session  
Supervised clinical practice | Short answers  
Objective Type  
Assessment of skills with check list |
<table>
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<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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<tbody>
<tr>
<td>II</td>
<td>15</td>
<td>Describe the common signs, symptoms, problems and their Specific nursing interventions</td>
<td><strong>Common signs and symptoms and management</strong>  &lt;br&gt;  • Fluid and electrolyte imbalance.  &lt;br&gt;  • Vomiting  &lt;br&gt;  • Dyspnea and cough, respiratory obstruction  &lt;br&gt;  • Fever  &lt;br&gt;  • Shock  &lt;br&gt;  • Unconsciousness, Syncope  &lt;br&gt;  • Pain  &lt;br&gt;  • Incontinence  &lt;br&gt;  • Edema  &lt;br&gt;  • Age related problems-geriatric</td>
<td>Lecture discussion  &lt;br&gt; Seminar  &lt;br&gt; Case discussion</td>
<td>Short answers Objective Typ</td>
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<tr>
<td>III</td>
<td>20</td>
<td>Describe the etiology, pathophysiology, clinical manifestations, 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>  &lt;br&gt;  • Review of anatomy and physiology of respiratory 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 adults including elderly with –  &lt;br&gt; Upper Respirator’ that infection  &lt;br&gt; Bronchitis  &lt;br&gt; Asthma  &lt;br&gt; Emphysema  &lt;br&gt; Empyema  &lt;br&gt; Atelectasis  &lt;br&gt; Chronic Obstructive Pulmonary Diseases (COPD)  &lt;br&gt; Bronchiectasis  &lt;br&gt; Pneumonia</td>
<td>Lecture discussion  &lt;br&gt; Explain using Charts, graphs  &lt;br&gt; Models, films, slides  &lt;br&gt; Demonstration  &lt;br&gt; Practice session  &lt;br&gt; Case discussions/Seminar  &lt;br&gt; Health education  &lt;br&gt; Supervised clinical practice book/presentation</td>
<td>Essay type  &lt;br&gt; Short answers Objective type  &lt;br&gt; Assessment of skills with checklist  &lt;br&gt; Assessment of patient management problem</td>
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<td>Unit</td>
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| IV   | 30         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems | Nursing management of patient (adults including elderly) with disorders of digestive system  
- Review of anatomy and physiology of digestive system  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management  
- Disorders of  
  - Oral cavity- lips, gums, and teeth  
  - Oesophagus —inflammation? stricture, obstruction, bleeding and tumours  
  - Stomach and deudenumhiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis  
  - Small intestinal disorders inflammation and infection, entritis, malabsorption, obstruction, tumour and perforation  
  - Large intestinal disorders-Colitis, inflammation and infection, obstruction and tumour and lump | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar  
Health education  
Supervised clinical practice  
Drug book/presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
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<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
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</thead>
</table>
| V    | 30         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems Describes the vascular conditions and its nursing management | Hernias  
- Appendix-inflammation, mass, abscess, rupture  
- Anal & Rectum; hemorrhoids, fissures, Fistulas  
- Peritonitis/acute abdomen Pancreas; inflammation, cyst, abscess and tumours  
- Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours  
- Gall Bladder; inflammation, obstruction, stones and tumours  
Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system | Nursing management of patient (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  
  - Artherio sclerosis  
  - Raynaud’s disease  
  - Aneurism and Peripheral vascular disorders  
Heart  
- Coronary artery diseases  
- Ischemic Heart Disease  
- Coronary atherosclerosis | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book /presentation  
Visit to blood bank  
Participation in blood donation camps  
Counseling | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
|      |            |                     | • Angina pectoris  
• Myocardial infarction  
• Valvular disorders of the heart  
  - Congenital and acquired  
  - Rheumatic Heart diseases  
• Endocarditis, Pericarditis  
• Myocarditis  
• Cardio Myopathies  
• Cardiac dysrhythmias, Heart Block  
• Congestive cardiac failure  
Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade  
• Cardiac emergencies and arrest  
• Cardio Pulmonary Resuscitation (CPR)  
• Blood  
• Anaemias  
• Polycythemia  
• Bleeding disorders; clotting factor defects and platelets defects  
• Thalassemia  
• Leukaemias  
• Leukopenias and agranulocytosis  
• Lymphornas  
• Myelornas  
• Special therapies  
• Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reactions; records for blood transfusion  
<table>
<thead>
<tr>
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<th>Assessment methods</th>
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</thead>
</table>
|     |            | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system | **Nursing management of patient (adults including elderly) with genito-urinary problems**  
- Review of anatomy and physiology of genito-urinary system  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of-  
  - Nephritis  
  - Nephrotic syndrome  
  - Nephrosis  
  - Renal calculus  
  - Tumours  
  - Acute renal failure  
  - Chronic renal failure  
  - End stage renal disease  
  - Dialysis, renal transplant  
  - Congenital disorders, urinary infections  
  - Benign prostate hypertrophy.  
  - Disorders of ureter, urinary bladder and urethera inflammation, infection, stricture, obstruction, tumour, prostate  
  - Special therapies, alternative therapies  
  - Nursing procedures  
  - Drugs used in treatment of genitourinary disorders. | Lecture discussion  
Explain using  
Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar  
Health education  
Supervised clinical practice  
Drug book/presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
| VII | 5 | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system | **Nursing Management of disorders of male (adults including elderly) reproductive 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 malformations; Hypospadias  
- Alospadias, Epispadias  
- Infections  
- Testis and adjacent structures Penis  
- Prostate: inflammation, infection, hypertrophy, tumour  
- Sexual Dysfunction Infertility  
- Contraception  
- Breast; gynecomastia, tumour  
- Climacteric changes Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system. | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar  
Health education Supervised clinical practice Drug book / presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
| VIII | 10 | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system | **Nursing management of patient(adults including elderly) with disorders of endocrine system**  
- Review of anatomy and physiology of endocrine system  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions / Seminar  
Health education Supervised clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
<table>
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<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| IX   | 10         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of Skin | Nursing management of patient (adults including elderly) with disorders of Integumentary system  
- Disorders of Thyroid and Parathyroid  
- Diabetes mellitus  
- Diabetes insipidus  
- Adrenal tumour  
- Pituitary disorders. Special therapies, alternative’ therapies  
Nursing procedures Drugs used in treatment of disorders of endocrine system. | Lecture discussion  
Explain using Charts, graphs Models, films, slides  
Demonstration  
Practice session  
Case discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book / presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |

- Lesions and abrasions  
- Infection and infestations; Dermatitis  
- Dermatoses; infect mis and Non infectious “inflammatory dermatoses”  
- Acne Vulgaris  
- Allergies and Eczema  
- Psoriasis  
- Malignant melanoma  
- Alopecia  
Special therapies, alternative therapies  
Nursing procedures Drugs used in treatment of disorders of Integumentary system. |
<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>
| X    | 15         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system | Nursing management of patient (adults including elderly) with musculoskeletal problems  
- Review of anatomy and physiology of musculoskeletal system,  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of -  
  - Disorders of:  
  - Muscles, Ligaments and Joints - inflammation, infection, trauma  
  - Bones-inflammation, infection, dislocation, fracture, tumour and trauma  
  - Osteomalacia and osteoporosis  
  - Arthritis  
  - Congenital deformities  
  - Spinal column- defects and deformities, Tumor, Prolapsed inter vertebral disc, pott’s spine Paget’s disease Amputation Prosthesis  
  - Transplant & replacement surgeries Rehabilitation. Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of musculoskeletal system. | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Practice session  
Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
| XI   | 10         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic | Nursing management of patient (adults including elderly) with Immunological problems  
- Review of Immune system,  
- Nursing Assessment-History and Physical assessment | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides | Essay type  
Short answers  
Objective type  
Assessment of patient management problem |
<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| XII  | 20         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases. | Nursing management of patient (adults including elderly) with Communicable Diseases  
- Overview of infectious disease, the infectious process  
- Nursing Assessment-History and Physical assessment  
- Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common Communicable Diseases | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration Practice session  
Case discussions/Seminar  
Health education | Essay type  
Short answers  
Objective type Assessment of skills with check list  
Assessment of patient Management Problem |

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

**Prescribed Internal assessment weightage:**

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

87
Reference Books:

1. Brunner (V), Medical Surgical Nursing, LWW, 10th Edition.
5. Lewis, Medical Surgical Nursing Assessment & Management of Clinical Problems, Elsevier 7th edition
15. Thappa, Essential in Dermatology with MCQ’s, Ahuja publishing
## Medical Surgical Nursing
(Adult including Geriatrics) - I
Practical

**Placement:** Second year

**Time:** 720 hours

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| General Medical Ward (Respiratory, GI, Endocrine, Renal, Hematology) | 160 hrs | Provide nursing care to adult patients with medical disorders Counsel and educate patients and families | • Assessment of the patient  
Taking history  
Perform general and specific physical examination  
Identify alterations and deviations  
Practice medical surgical asepsis - Standard safety measures  
Administer medications Oral, IV, IM, Subcutaneous  
IV therapy IV canulation  
Maintenance and monitoring  
Oxygen therapy by different methods  
Nebulization  
Chest physio therapy  
Naso gastric feeding  
Assist in common diagnostic  
Perform Assist in therapeutic procedures  
Blood and component therapy  
Throat Suctioning  
Collect specimens for common investigations. Maintain elimination  
Caricaturisation  
Bowel wash | Plan and give care to 3-4 assigned patients  
Nursing care plan-2  
Nursing case study! presentation-I  
Drug presentation- I  
Maintain drug book  
Maintain Practical record book | Assess performance with rating scale  
Assess each skill with checklist  
Evaluation of case study! presentation  
Completion of practical record. |

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<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessme methods</th>
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</thead>
<tbody>
<tr>
<td>General Surgical Ward (GI, Urinary, CTVS)</td>
<td>160 hrs</td>
<td>Provide pre and post operative nursing care to adult patients with surgical disorders Counsel and educate patients and families</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 Gastrostomy Colostomy Enteroxostomy • Blood and component therapy • Practice universal precautions</td>
<td>Plan and give care to 3-4 assigned patients Nursing care plan - 2 Nursing case study! presentation - I Maintain drug book</td>
<td>Assess performance with rating scale Assess each skill with checklist Evaluation of case study! presentation Completion activity reco</td>
</tr>
<tr>
<td>Cardiology ward</td>
<td>150 hrs</td>
<td>Provide nursing care to patients with cardiac disorders Counsel and educate patients and families</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 - I Nursing case study! Presentation Health talk - I Maintain drug book</td>
<td>Assess performance with rating scale Assess each skill with checklist Evaluation of case study! Presentation health talk</td>
</tr>
<tr>
<td>Skin &amp; Commu</td>
<td>30 hrs</td>
<td>Identify skin problems</td>
<td>Assessment of patients with skin disorders</td>
<td>Plan and give care to 2-3 assigned patients</td>
<td>Assess performance</td>
</tr>
<tr>
<td>Areas</td>
<td>Duration in hours</td>
<td>Objectives</td>
<td>Skills</td>
<td>Assignments</td>
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</tbody>
</table>
| Communicable diseases Ward |                   | Provide nursing care to patients with Skin disorders & Communicable diseases Counsel and educate patients and families | Assist in diagnostic and therapeutic procedures  
Administer topical medication  
Practice medical surgical asepsis - Standard safety measures  
Use of personal protective equipment (PPE)  
Give Medicated baths  
Counseling HIV positive patients  
Teach prevention of infectious diseases. | Health talk  
Counseling HIV positive patients and families - I  
Maintain drug book | with rating  
Evaluation of health talk/Counsel and completion activity reco |
| Orthopaedic ward       | 60 hrs            | Provide nursing care to patients with musculo skeletal disorders Counsel and educate patients and families | Assessment of orthopaedic patients  
Assist in application of plaster cast and removal of cast  
Apply skin traction - buck’s extension traction.  
Assist in application and removal of prosthesis  
Physiotherapy-Range of motion exercises (ROM), muscle strengthening exercises  
Crutch maneuvering technique.  
Activities of daily living Ambulation Teach and counsel patients and families | Plan and give care to  
2-3 assigned patients  
Nursing care plan—I  
Nursing case study! presentation - I  
Maintain drug book | Assess performance with rating  
Evaluation of Nursing care plan and Nursing case study! presentation Completion activity reco |
| Operation Theatre      | 160 hrs           | Identify instruments used in common operations Participate in Infection control practice in the Operation Theatre Set-up the table/ trolleys for common | Scrubbing, gowning, gloving  
Identify instruments, suturing materials for common operations  
Disinfection, Carbolization, fumigation  
Preparation of instrument sets for common operations  
Sterilization of sharps and other instruments Prepare the OT table | Assist as a circulatory nurse in Major cases —  
10 Minor cases-5  
Assist as a scrub nurse in Major cases-IO Minor cases-5.  
Maintain drug book | Assess performance with rating scale  
Completion activity reco |
<table>
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<tr>
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<tr>
<td></td>
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<td>operative procedures Assist in giving anesthesia Assist in the operative procedures Provide pen operative nursing care</td>
<td>depending upon the operation Positioning and monitoring of patients Endotracheal intubation Assisting in minor and major operations Handling specimens Disposal of waste as per the guidelines</td>
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*Prescribed Internal assessment weightage:*

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

**Placement:** Second year  
**Theory - 90 Hours**  
**Practical - 135 hours**

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 2          | Describe concept and dimensions of health | Introduction  
• Community health nursing definition, concept and dimensions & Determinants of health  
• Promotion of health,  
• Maintenance of health  
• Measurement of health & diseases, vital statistics | Lecture discussion | Short answers |
| II   | 25         | Describe Environment & health | Environment & Health  
Bacterial and Viral Agents, host, carriers and immunity  
Arthropods and Rodents  
• Eugenics  
**Environment Scope:**  
Definition, scope and importance-need for public services.  
Environment and Human Health – Human Rights  
**Physical environment:** air, light, ventilation, housing, sanitation, and dead bodies, noise, climate  
**Forest Resources:** use and over-exploitation, forestation deforestation, case studies, timber extraction mining, dams and their effects on forests and tribal people.  
**Water Resources:** Sources, types of water, methods of water purification, use and over-utilization of surface, and ground water, floods, drought, conflicts over water dams-benefits and problems  
**Mineral resources:** Uses and exploitation, environmental effects of extracting and using mineral resources, Case studies | Lecture discussion  
Explain using Charts, graphs, Models, films, slides  
Visits to water supply, sewage disposal milk plant house etc | Essay type  
Short answers  
Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
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<tr>
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<td><strong>Food Resources</strong>: Food hygiene (Production, Preparation, preservation, purchase, preparation, consumption), world food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.</td>
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<td><strong>Energy Resources</strong>: growing energy needs, renewable and non-renewable energy resources, use of alternate energy sources, case studies</td>
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<td><strong>Land resources</strong>: land as a resources, land degradation, man induced landslides, soil erosion and desertification. Equitable use of resources for sustainable lifestyle.</td>
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<td><strong>Environmental Pollution</strong>: Definition, causes, effects and control measure of: Air pollution, water pollution, soil pollution, marine pollution, noise pollution, Thermal pollution, Nuclear pollution, pollution case studies.</td>
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<td><strong>Solid waste management</strong>: Causes, effects and control measures of urban and industrial waste, and waste disposal methods.</td>
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<td><strong>Disaster management</strong>: floods, earthquake, cyclone, and landslides</td>
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</table>
Role of Information Technology in Environment and Human health – case studies.
Role of an individual in conservation of natural resources.
Role of an individual in prevention of pollution

Sociocultural
- Customs, taboos
- “Marriage system family structure of Status of special groups;
- Females, Children, Elderly, challenged groups and Sick persons

Life Style

Hygiene

Physical activity
- Recreation and sleep
- Sexual life
- Spiritual life & philosophy
- Self Reliance
- Dietary pattern
- Education
- Occupation

Financial Management
- Income
- Budget
- Purchasing power
- Security.

III 13 Describe concept, scope, uses methods and approaches of epidemiology

Epidemiology
Definition concept, aims, scope, uses and terminology used in epidemiology
Epidemiological investigation International classification of diseases.
Medical entomology Dynamics of disease transmission: epidemiological triad. Morbidity and mortality: measurements
Levels of prevention Methods of epidemiology of Descriptive Analytical: Epidemic investigation o Experimental

Lecture discussion Explain using Charts, graphs Models, films, slides
Essay type Short answers
| IV | 25 | Describe Epidemiology and nursing: management of common Communicable Diseases | **Epidemiology and nursing management of common Communicable Diseases**  
Small Pox  
- Chicken Pox  
- Measles  
- influenza  
- Rubella  
- ARI’s & Pneumonia  
- Mumps | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Seminars Supervised field practice-health centers, clinics and homes  
Group projects  
Health education | Essay type  
Short answers  
Objective type |

- Whooping cough  
- Meningococcal meningitis u.  
- Tuberculosis  
- SARS  
- Intestinal Infections  
- Poliomyelitis Viral Hepatitis  
- Cholera  
- Diarrhoeal diseases  
- Typhoid Fever Food poisoning Amoebiasis  
- Hook worm infection  
- Ascariasis Dracunculiasis  
- Arthropod infections  
- Dengue  
- Malaria Filariasis  
- Zoonoses Viral Rabies  
- Yellow fever  
- Japanese encephalitis  
- Kyasnu Forest Disease  
- Bacterial  
- Brucellosis  
- Plague  
- Human Salmonellosis  
- Anthrax  
- Leptospirosis  
- Rickettsial diseases  
- U Rickettsial Zoonoses  
- Scrub typhus  
- Murine typhus.  
- Tick typhus  
- fever  
- Parasitic zoonoses  
- Taeniasis  
- Hydatid disease  
- Leishmaniasis  
- Surface infection  
- Trachoma  
- Tetanus  
- Leprosy  
- STD & RTI  
- Yaws  
- HIV/AIDS  
- Any other |
<table>
<thead>
<tr>
<th>V</th>
<th>10</th>
<th>Describe Epidemiology and nursing management of common Non communicable diseases</th>
<th>Epidemiology and Nursing management of Non communicable diseases</th>
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<tr>
<td></td>
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<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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<td>Seminar Supervised field practice-health centers, clinics and homes</td>
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<td>Group projects! Health education Lecture discussion. Explain using Charts, graphs Models, films, slides</td>
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<td>Essay type Short answers Objective type</td>
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<thead>
<tr>
<th>VI</th>
<th>5</th>
<th>Describe the concepts and scope of demography Describe methods of data collection, analysis and interpretation’ of demographic data</th>
<th>Demography</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Definition, concept and scope</td>
</tr>
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<td></td>
<td>• Methods of collection, analysis and interpretation of demographic data</td>
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<td>• Demographic rates and ratios</td>
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<td>Lecture discussion Community identification survey</td>
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<td>Essay type Short answers Objective type</td>
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<tr>
<th>VII</th>
<th>10</th>
<th>Identify the impact of population explosion in India Describe methods of population control</th>
<th>Population and its control</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td>• Human Population and Environment – population growth, Variations among nations. Population explosion and its impact on social, economic development of individual, society ad country</td>
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<td></td>
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<td></td>
<td>• 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. Family Welfare Programmes</td>
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<td>Lecture discussion Population survey Counseling Demonstration Practice session Supervised field practice</td>
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<td>Essay type Short answers Objective type Assessment of Survey report</td>
</tr>
</tbody>
</table>
Prescribed Internal Assessment Weightage:

Internal Assessment: Term Test - 30
Assignment - 20

Reference:

1. Park (JE), Text Book of Preventive and Social Medicine, Bhanarsidas Bhanot Publishers, Jabalpur.
# Community Health Nursing I – Practical

**Placement:** Second year  \hspace{4cm} **Time:** 135 hours

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| Community health nursing      | Urban– 40 hrs     | • 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 Hemoglobin 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  
• 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. |
|                               | Rural– 95 hrs     |                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                  |

**Prescribed Internal Assessment Weightage**

**Practical Internal Assessment**

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weightage</th>
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<tbody>
<tr>
<td>Practical Examination</td>
<td>25</td>
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<tr>
<td>Clinical Evaluation</td>
<td>10</td>
</tr>
<tr>
<td>Family Care study</td>
<td>5</td>
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<tr>
<td>Practical Record</td>
<td>5</td>
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<tr>
<td>Field Visit</td>
<td>5</td>
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</tbody>
</table>
**Communication & Educational Technology**

**Placement:** Second year  
**Hours –** 90 hrs  
**Theory -** 60 Hours  
**Practice Teaching -** 30 hours

**Course Description:**

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 5          | * Describe the communication process identify techniques of effective communication | Review of Communication Process  
Process; elements And channel  
Facilitators  
Barriers and methods of overcoming  
Techniques | * Lecture Discussion  
* Role plays  
* Exercises with audio/video tapes | * Respond to critical incidents  
* Short answers  
* Objective type |
| II   | 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 Answer  
Objective type |
| III  | 5          | * Develop effective human relations in context of nursing | Human relations  
• Understanding self  
• Social behaviour, motivation, social attitudes  
• Individual and groups  
• Groups & individual  
• Human relations in context of nursing  
• Group dynamics  
Team work | Lecture Discussion  
Sociometry Group games  
Psychometric exercise followed by discussion | Short Answer  
Objective type  
Respond to test based on critical incidents |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
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<tbody>
<tr>
<td>IV</td>
<td>10</td>
<td>* Develop basic skill of counseling and guidance</td>
<td><strong>Guidance &amp; counseling</strong>&lt;br&gt;- Definition&lt;br&gt;- Purpose, scope and need&lt;br&gt;- Basic principles&lt;br&gt;- Organization of counseling services&lt;br&gt;- Types of counseling approaches&lt;br&gt;- Role and preparation of counselor&lt;br&gt;- Issues for counseling in nursing: students and practitioners&lt;br&gt;<strong>Counseling process</strong> — steps &amp; techniques, tools of counselor&lt;br&gt;- Managing disciplinary problems&lt;br&gt;- Management of crisis &amp; referral</td>
<td>Lecture Discussion&lt;br&gt;Role play on counseling in different situations followed by discussion</td>
<td>Short Answer&lt;br&gt;Objective type&lt;br&gt;Assess performance in role play situations</td>
</tr>
<tr>
<td>V</td>
<td>5</td>
<td>Describe the philosophy &amp; principles of Education Explain the teaching learning process</td>
<td><strong>Principles of education &amp; teaching learning process</strong>&lt;br&gt;- Education: meaning, philosophy, aims, functions &amp; principles&lt;br&gt;- Nature and Characteristics of learn&lt;br&gt;- Principles and maxims of teaching,&lt;br&gt;- Formulating objectives; general and specific&lt;br&gt;- Lesson planning&lt;br&gt;- Classroom management</td>
<td>Lecture. Discussion&lt;br&gt;Prepare lesson plan&lt;br&gt;Micro teaching&lt;br&gt;Exercise on writing Objectives</td>
<td>Short Answer&lt;br&gt;Objective type&lt;br&gt;Assess lesson plans &amp; teaching sessions</td>
</tr>
<tr>
<td>VI</td>
<td>10</td>
<td>Demonstrate</td>
<td><strong>Methods of teaching</strong>&lt;br&gt;- Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted learning, micro teaching problem based learning, Self instructional module</td>
<td>Lecture Discussion</td>
<td>Short Answer</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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<td>teaching skill using various teaching methods in clinical, classroom and community settings</td>
<td>• Clinical teaching methods: case method, nursing round &amp; reports, bedside clinic, conference (individual &amp; group) process recording.</td>
<td>Conduct 5 teaching sessions using different methods &amp; media</td>
</tr>
</tbody>
</table>
| VII  | 10 | 8 | Prepare and use different type of educational media effectively | **Educational Media**  
Purposes and types of A.V. Aids, Principles & Sources etc., Graphic aids: chalk board, chart, graphs, posters, flash cards, flannel graph, bulletin, cartoon.  
3 Dimensional Aids: Objects, Specimens, Models, Puppets  
Printed Aids: Pamphlets & leaflets.  
Projected Aids: Slides, OHP, Films, TV, VCR/VCD, Camera, Microscope, LCD.  
Audio Aids: Tape recorder, public address system. Computer | Lecture, discussions, Demonstration Prepare different teaching aids- Projected and non-projected. | Short answers Objective Type Assess the teaching aids prepared. |
| VIII | 5 | 7 | Prepare different types of questions for assessment of knowledge, skills and attitudes | **Assessment:**  
Purpose and scope of evaluation and assessment  
Criteria for selection of assessment techniques and methods  
Assessment of knowledge: Essay type questions Short answer questions (SAQ). Multiple Choice Questions (MCQ).  
Assessment of skills: Observation Check List, Practical Exam, Viva, Objective Structured clinical examination (OSCE)  
Assessment of attitude: Attitude scales. | Lecture, discussions, Exercise on writing different types of assessment tools. | Short answers Objective types Assess the strategies used in practice teaching sessions and exercise sessions |
<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>IX</td>
<td>5</td>
<td>Teach individuals, groups and communities about health with their active participation</td>
<td>Information, Education &amp; communication for health (IEC) Health behaviour &amp; health education Planning for health education Health education with individuals, groups &amp; communities Communicating health messages Methods &amp; media for communicating health messages Using mass media</td>
<td>Lecture Discussion Plan &amp; conduct health education, sessions for individuals, group &amp; communities</td>
<td>Short Answer Objective type Assess the planning &amp; conduct of the educational session</td>
</tr>
</tbody>
</table>

**Prescribed Internal Assessment Weightage:**

**Internal Assessment :**
- Term Test - 30
- Practice Teaching/Assignment - 20

**Reference Books:-**

1. Heidgerkohn (DE), Teaching and Learning in School of Nursing, Philadlphia, J.O.
4. Tyler (RW), Basic of Curriculum and Instruction, Chicago, The university of Chicago press.
Medical Surgical Nursing (Adult including Geriatrics) II

Placement: Third year

Time: Theory - 180 hours
          Practical - 400 hours

Course Description:

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

<table>
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<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 20         | Describe the etiology, pathology, physiology, clinical manifestation, diagnostic measures and management of patients with disorders of Ear Nose and Throat | Nursing management of Patient with disorders of Ear Nose and Throat  
* Review of anatomy and physiology of the Ear Nose and Throat -  
* Nursing Assessment-History and Physical assessment  
* Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Ear Nose and Throat disorders:  
* External ear: deformities, otalgia, foreign bodies, and tumors  
* Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumors  
* Inner ear- Meniere’s Disease, labyrinthitis, ototoxicity, tumors  
* 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 discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book /presentation | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
<table>
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<tr>
<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>
| II   | 15         | Describe the Etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye. | Nursing management of patient with disorders of eye  
- Review of anatomy and physiology of the eye  
- Nursing Assessment-History and Physical assessment  
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders:  
  - Refractive errors  
  - Eyelids-infection, tumours and deformities  
  - Conjunctiva- inflammation and infection, bleeding  
  - Cornea- inflammation and infection  
  - Lens-Cataracts  
  - Glaucoma  
  - Disorder of the urinary tract,  
  - Ocular tumours  
  - Disorders of posterior chamber and retina: Retinal and vitreous problems.  
  - Retinal detachment  
  - Ocular emergencies and their prevention  
  - Blindness  
  - National blindness control. Program Eye Banking  
  - Eye prostheses and Rehabilitation  
  - Role of a nurse- Communication with visually impaired Patient, Eye camps  
  - special therapies, Nursing procedures drugs used in treatment of disorders of eye. | Lecture discussion  
- Explain using Charts, graphs  
- Models, films, slides  
- Demonstration  
- Practice session  
- Case discussions / Seminar  
- Health education  
- Supervised clinical practice  
- Drug book /presentation  
- Visit to eye bank  
- Participation in eye- camps | Essay type  
- Short answers  
- Objective type  
- Assessment of skills with check list  
- Assessment of patient management problem |

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<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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<tr>
<td>III</td>
<td>20</td>
<td>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders</td>
<td>Nursing management of patient with neurological disorders • Review of anatomy and physiology of the neurological system • Nursing Assessment-History and Physical and neurological assessment and Glasgow coma scale • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of neurological disorders • Congenital malformations Headache Head Injuries Spinal Injuries: Paraplegia Hemiplegia - Quadriplegia Spinal cord compression- herniation of intervertebral disc Tumors of the brain &amp; spinal cord Intra cranial and cerebral aneurysms Infections: - Meningitis, Encephalitis, Brain abscess, neurocysticercosis Movement disorders - Chorea - Seizures - Epilepsies Cerebro Vascular Accidents (CVA) Cranial, Spinal Neuropathies — Bell’s palsy, trigeminal neuralgia Peripheral Neuropathies; GuillainBarr’e Syndrome Myasthenia gravis Multiple sclerosis Degenerative diseases Delirium - Dementia - Alzheimer’s disease - Parkinson’s disease • Management of unconscious patients and patients with stroke • Role of the nurse in communicating with patient having neurological deficit • Rehabilitation of patients with neurological deficit Role of nurse in long stay facility (institutions) and at home Special therapies Nursing procedures Drugs used in treatment of neurological disorders</td>
<td>Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions / Seminar • Health education • Supervised clinical practice • Drug book / presentation • Visit to rehabilitation centre.</td>
<td>Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
<td>Learning Objectives</td>
<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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| IV   | 20         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with disorders of female reproductive system | Nursing management of patients with disorders of female reproductive system  
Review of anatomy and physiology of the female reproductive system  
Nursing Assessment-History and Physical assessment  
Breast Self Examination  
Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management disorder of female reproductive system  
Congenital abnormalities of female reproductive system  
Sexuality and Reproductive Health  
Sexual Health Assessment  
Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome  
Abnormal Uterine Bleeding: Menorrhagia, Metrorrhagia Pelvic Inflammatory Disease- Ovarian and fallopian tube disorders; infections, cysts, tumours  
Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/UrethroceleleRectocele  
• Vaginal disorders; Infections and Discharges,Fistulas  
• Vulvur disorders; Infections, cysts, tumours  
• Diseases of breasts; Deformities, Infections, Cysts and Tumours  
• Menopause and Hormonal Replacement Therapy  
• Infertility  
• Contraception; Types Methods, Risk and effectiveness  
Spacing Methods  
- Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, Terminal methods  
- Sterilization  
• Emergency Contraception methods  
• Abortion -Natural, Medical and surgical abortion - MTP Act | Practice session  
Case  
Discussions / Seminar  
Health education  
Supervised clinical practice  
Drug book/presentation Lecture discussion Explain using Charts, graphs Models, films, slides  
Demonstration | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
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<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>
| V    | 20         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery | **Nursing management of patients with Burns, reconstructive and cosmetic surgery**  
- Review of anatomy and physiology of the skin and connective tissues and various deformities  
- Nursing Assessment-History and Physical assessment and Assessment of burns and fluid and electrolyte loss  
- Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical | Lecture discussion  
Explain using  
- Charts, graphs  
- Models, films, slides  
- Demonstration  
- Practice session  
- Case discussions!  
- Seminar  
- Health education  
- Supervised clinical practice | Essay type  
Short type  
Objective type  
Assessment of skills with check list  
Assessment of patient management problem |
| VI   | 18         | Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology | **Nursing management of patients with oncological conditions**  
- Structure & characteristics of normal & cancer cells  
- Nursing Assessment-History and Physical assessment  
- Prevention, Screening, Early detection, Warning signs of cancer  
- Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions | Lecture discussion  
Explain using  
- Charts, graphs  
- Models, films, slides  
- Demonstration  
- Practice session  
- Case  
- Discussions / Seminar  
- Health education  
- Supervised clinical practice  
- Drug book /presentation | Essay type  
Short type  
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<td>• Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc Oncological emergences • Modalities of treatment Immunotherapy c Chemotherapy Radiotherapy c Surgical Interventions Stem cell and Bone marrow transplants Gene therapy Other forms of treatment • Psychosocial aspects of cancer. • Rehabilitation • Palliative care Symptom and Pain Management, Nutritional support • Home care • Hospice care Stoma Therapy • Special therapies Psycho social aspects • Nursing procedures</td>
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</table>
| VII 18 | Describe organization of emergency and disaster care services | Nursing management of patient 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
- Fires, Explosions, Accidents Violence, Terrorism; bio-chemical, War Policies related to emergency/disaster management; International, national, state, institutional
- Disaster preparedness: Team, Guidelines, protocols, Equipments, Resources Coordination and involvement of;
- Community, various govt. departments, non-Government organizations and International agencies
- Role of nurse: working
- Legal Aspects of Disaster Nursing Impact on Health and after effects; Post Traumatic Stress Disorder Rehabilitation; physical, psychosocial, Financial, Relocation
- Emergency Nursing Concept, priorities, principles and Scope of emergency nursing
- Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse
- Coordination and involvement of different departments and facilities
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency
- Principles of emergency management
- Common Emergencies; Respiratory Emergencies
- Cardiac Emergencies Shock and Haemorrhage Pain
- Poly-Trauma, road accidents, crush injuries, wound
- Bites
- Poisoning; Food, Gas, Drugs & chemical poisoning
- Seizures
- Thermal Emergencies; Heat stroke & Cold injuries Pediatric Emergencies Psychiatric |
|        | Describe the role of nurse in disaster management | Lecture discussion
- Explain using Charts, graphs
- Models, films, slides
- Demonstration
- Practice session
- Case discussions /
- Seminar education
- Supervised clinical practice
- Disaster management Drills
- Drug book
- Presentation |
|        | Describe the role of nurse in management of common Emergencies | Essay type
- Short answers
- Objective type
- Assessment of skills with check list
- Assessment of patient Management problem

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<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 | 18         | Explain the concept and problems of aging Describe nursing care of the elderly | **Nursing care of the elderly**  
- Nursing Assessment-History and Physical assessment  
- Aging:  
  - Demography: Myths and realities  
  - Concepts and theories of aging  
  - Cognitive Aspects of Aging  
  - Normal biological aging  
  - Age related body systems changes  
  - Psychosocial Aspects of Aging  
  - Medications and elderly Stress & coping in older adults  
  - Common Health Problems & Nursing Management;  
  - Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal Neurological, Skin and other Sensory organs  
  - Psychosocial and Sexual c Abuse of elderly  
  - Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual  
  - Role of nurse for caregivers of elderly  
  - Role of family and formal and non formal caregivers  
  - Use of aids and prosthesis (hearing aids, dentures, Legal & Ethical Issues Provisions and Programmes for elderly; privileges, Community Programs and health services; Home and institutional care | Lecture discussion  
Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book/presentation Visit to old age home | Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem |
<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| IX   | 15         | 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, defibrillator,  
- Resuscitation equipments  
- Infection Control Protocols  
Nursing management of critically ill patient; Monitoring of critically ill patient CPR-Advance Cardiac Life support  
Treatments and procedures.  
Transitional care  
Ethical and Legal Aspects  
Communication with patient and family  
Intensive care records  
Crisis Intervention  
Death and Dying-coping with Drugs used in critical | Lecture discussion  
Explain using Charts, graphs  
Models, films, slides  
Demonstration  
Role plays  
Counseling  
Practice session  
Case discussions/ Seminar  
Health education  
Supervised clinical practice  
Drug book presentation | Assessment of patient management problem  
Essay type Short answers  
Objective type Assessment of skills with check list |
| X    | 16         | Describe the etiology, patho-physiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder | Nursing management of patients adults including elderly with Occupational and Industrial Disorders  
Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, diagnosis, treatment modalities and medical & surgical nursing management of occupational and industrial health disorders  
Role of nurse  
Special therapies, alternative therapies  
Nursing procedures  
Drugs used in treatment of Occupational and Industrial disorders | |

**Prescribed Internal Assessment Weightage:**

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

112
Recommended Books:

1. Brunner (V), Medical Surgical Nursing , LWW, 10th Edition.
5. Lewis, Medical Surgical Nursing Assessment & Management of Clinical Problems, Elsevier 7th edition
15. Thappa, Essential in Dermatology with MCQ’s, Ahuja publishing
## Medical Surgical Nursing
### (Adult including Geriatrics) - II
#### Practical

**Placement:** Third Year

**Time:** Practical - 400 hrs

**Internship:** 240 hrs

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT</td>
<td>40 hrs</td>
<td>Provide care to patients with ENT disorders</td>
<td>Perform examination of ear, nose and throat</td>
<td>Provide care to 2-3 assigned patients</td>
<td>Assess each skill with checklist</td>
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<tr>
<td></td>
<td></td>
<td>Counsel and educate patient and families</td>
<td>Assist with diagnostic procedures</td>
<td>Nursing care plan — 1</td>
<td>Assess performance with rating scale</td>
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<tr>
<td></td>
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<td></td>
<td>Assist with therapeutic procedures</td>
<td>Observation reports of OPD</td>
<td>Evaluation of observation report of OPD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Instillation of drops</td>
<td>Maintain drug book</td>
<td>Completion of activity record</td>
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<td></td>
<td>Perform/assist with irrigations.</td>
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<td>Apply ear bandage</td>
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<td>Perform tracheotomy care</td>
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<td></td>
<td>Teach patients and families</td>
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<tr>
<td>Ophthalmology</td>
<td>40 hours</td>
<td>Provide care to patients with Eye disorders</td>
<td>Perform examination of eye</td>
<td>Provide care to 2-3 assigned patients</td>
<td>Assess each skill with checklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Counsel and educate patient and families</td>
<td>Assist with diagnostic procedures</td>
<td>Nursing care plan — 1</td>
<td>Assess performance with rating scale</td>
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<td></td>
<td>Assist with therapeutic procedures</td>
<td>Observation reports of OPD</td>
<td>Evaluation of observation report of OPD</td>
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<tr>
<td></td>
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<td></td>
<td>Perform/assist with irrigations.</td>
<td>Maintain drug book</td>
<td>Completion of activity record</td>
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<td></td>
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<td></td>
<td>Apply eye bandage</td>
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<td>Apply eye drops! ointments</td>
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<td>Assist with foreign body removal.</td>
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<td></td>
<td>Teach patients and families</td>
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<tr>
<td>Neurology</td>
<td>60 hours</td>
<td>Provide care to patients with neurological disorders.</td>
<td>Perform Neurological Examination</td>
<td>Provide care to assigned 2-patients with neurological disorders</td>
<td>Assess each skill with checklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Counsel and educate patient and families</td>
<td>Use Glasgow coma scale</td>
<td>Case study/Case presentation-</td>
<td>Assess performance with rating scale</td>
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<td></td>
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<td>Assist with diagnostic procedures</td>
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<td>3. Evaluation of case study &amp; health teaching</td>
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<td>Assist with therapeutic procedures</td>
<td></td>
<td>Completion of activity record</td>
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<td>Teach patients &amp; families</td>
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<td>Participate in rehabilitation program</td>
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<tr>
<td>Ward</td>
<td>Hours</td>
<td>Activities</td>
<td>Observation</td>
<td>Notes</td>
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<tr>
<td>Gynecology ward</td>
<td>60</td>
<td>Provide care to patients with gynecological disorders. Provide care to patients with gynecological disorders.</td>
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<td>Assist with gynecological Examination Assist with diagnostic procedures: Assist with therapeutic procedures Assist with self Breast Examination Assist with PAP smear collection.</td>
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<tr>
<td></td>
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<td>Counsel and educate patient and families</td>
<td></td>
<td>Provide care to 2-3 assigned patients Nursing care plan i Maintain drug book</td>
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<td>Provide care to patients with gynecological disorders. Provide care to patients with gynecological disorders.</td>
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<td>Assist with gynecological Examination Assist with diagnostic procedures: Assist with therapeutic procedures Assist with self Breast Examination Assist with PAP smear collection.</td>
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<td>Counsel and educate patient and families</td>
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<td>Provide care to 2-3 assigned patients Nursing care plan i Maintain drug book</td>
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<tr>
<td>Burns Unit</td>
<td>25</td>
<td>Provide care to patients with Burns Provide care to patients with Burns</td>
<td></td>
<td>Evaluation of care plan Completion of activity record</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Counsel and educate patient and families</td>
<td></td>
<td>Provide care to 1-2 assigned patients Nursing care plan -1 Observation report of Burns unit</td>
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<td>Provide care to patients with Burns Provide care to patients with Burns</td>
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<td>Assess each skill with checklist Assess performance with rating scale Evaluation of care plan an observation report Completion of activity record</td>
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<td>Counsel and educate patient and families</td>
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<td>Provide care to 1-2 assigned patients Nursing care plan -1 Observation report of Burns unit</td>
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<td>Counsel and educate patient and families</td>
<td></td>
<td>Assess each skill with checklist Assess performance with rating scale Evaluation of care plan an observation report Completion of activity record</td>
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<tr>
<td>Oncology Unit</td>
<td>50</td>
<td>Provide care to patients with cancer Provide care to patients with cancer</td>
<td></td>
<td>Screen for common cancers-TNM Classification Assist with diagnostic Procedures Biopsies Pap smear Bone-marrow aspiration Breast examination Assist with therapeutic procedures Participates in various modalities of treatment Chemotherapy Radiotherapy Pain management Stoma therapy Hormonal therapy Immunotherapy Gene therapy Alternative therapy Participate in palliative care Counsel and teach patients families</td>
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<td></td>
<td></td>
<td>Counsel and educate patient and families</td>
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<td>Provide care to 2-3 assigned patients Nursing care plan 1 Observation report of cancer unit</td>
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<td>Provide care to patients with cancer Provide care to patients with cancer</td>
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<td>Assess each skill with checklist Assess performance with rating scale Evaluation of care plan an observation report Completion of activity record</td>
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<td>Counsel and educate patient and families</td>
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<td>Provide care to 2-3 assigned patients Nursing care plan 1 Observation report of cancer unit</td>
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<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
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</thead>
<tbody>
<tr>
<td>Critical care unit</td>
<td>75 hours</td>
<td>Provide care to critically ill patients</td>
<td>Chest physiotherapy</td>
<td>Provide care to assigned patient</td>
<td>Assess each skill with checklist Assessment performance with rating scale</td>
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<tr>
<td></td>
<td></td>
<td>Counsel patient and families for grief and bereavement</td>
<td>Perform active &amp; passive exercises</td>
<td>Observation report of Critical care unit</td>
<td>Evaluation of observation report Completion of activity record</td>
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<td>Monitoring of patients in ICU</td>
<td>Drugs book.</td>
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<td>Care of patient on ventilators</td>
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<td>Perform Endotracheal suction</td>
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<td>- Demonstrates use of ventilators, cardiac monitors etc.</td>
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<td>Collect specimens and interprets ABG analysis</td>
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<td>Assist with arterial puncture</td>
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<td>Maintain CVP line</td>
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<td>Pulse oximetry CPR- ALS Defibrillator</td>
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<td>Pace makers</td>
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<td>Bag-mask ventilation</td>
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<td>Emergency tray/ Crash Cart</td>
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<td>Administration of drugs</td>
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<td>• Infusion pump</td>
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<td>• Epidural</td>
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<td>Intra cardiac</td>
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<td>Total parenteral therapy</td>
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<td>Chest physiotherapy</td>
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<td>Perform active &amp; passive exercises</td>
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<td>Counsel the patient and family in dealing with grieving and bereavement</td>
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<td>Medical Ward</td>
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</table>

**Prescribed Internal Assessment Weightage:**

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

Placement: Third year

Time: Theory - 90 hours
Practical – 270 hours
Internship 144 hours

Course Description:

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>10</td>
<td>Explain the modern concept of child care &amp; principles of child health nursing Describe national policy programs and legislation in relation to child health and welfare. List major causes of death during infancy, early &amp; late childhood Describe the major functions and role of the paediatric nurse in caring for a hospitalized child. Describe the principles of child health nursing</td>
<td>Introduction Modern concepts of childcare Internationally accepted rights of the Child National policy and legislation in relation to child health and welfare National programmes related to child health and welfare Agencies related to welfare services to the children Changing trends in hospital care, preventive, promotive and curative aspects of child health. Child morbidity and mortality rates. Differences between an adult and child Hospital environment for a sick child Impact of hospitalization on the child and family. Grief and bereavement The role of a Child health nurse in caring for a hospitalized child Principles of pre and post operative care of infants and children Child health nursing procedures.</td>
<td>Lecture Discussion Demonstration of common paediatric procedures</td>
<td>Short answers Objective type Assessment of skills with checklist</td>
</tr>
<tr>
<td>II</td>
<td>20</td>
<td>Describe the The healthy child</td>
<td></td>
<td>Lecture Discussion</td>
<td>Short answers</td>
</tr>
<tr>
<td>Unit</td>
<td>Time (Hrs)</td>
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<td>Content</td>
<td>Teaching Learning Activities</td>
<td>Assessment methods</td>
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<td>normal growth &amp; development of children at different ages Identify the needs of children at different ages &amp; 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 &amp; sick children. Appreciate the preventive measures and strategies for children</td>
<td>• Principles of growth and development • Factors affecting growth &amp; 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 &amp; infants: breast feeding, exclusive breast feeding supplementary! artificial feeding and weaning, Baby friendly hospital concept Accidents: causes and prevention Value of play and selection of play material Preventive immunization, immunization programme and cold chain Preventive paediatrics Care of under five &amp; under five clinics/ well baby clinics</td>
<td>Developmental study of infant and children Observation study of normal and sick child Field visit to Anganwadi, child guidance clinic Film show on breast feeding Clinical practice/field</td>
<td>Objective type Assessment of field visits and developmental study reports</td>
</tr>
<tr>
<td>III</td>
<td>12</td>
<td>Provide care to normal &amp; high risk neonates Perform neonatal resuscitation. Recognize and manage common neonatal problems</td>
<td><strong>Nursing care of a neonate</strong> Nursing care of a normal newborn/Essential newborn care Neonatal resuscitation Nursing management of a low birth weight baby Kangaroo mother care Nursing management of common neonatal disorders Organization of neonatal unit. Identification &amp; nursing management of common congenital malformations.</td>
<td>Lecture Discussion Workshop on - neonatal resuscitation Demonstration Practice session Clinical practice</td>
<td>Short answers Objective type Assessment of skills with checklist</td>
</tr>
<tr>
<td>IV</td>
<td>5</td>
<td>Integrated management of neonatal and childhood illnesses (IMNCI)</td>
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<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    | 36         | Identify measures to prevent common childhood diseases including immunization, Provide nursing care in common childhood diseases | Nursing management in common childhood diseases  
Nutritional deficiency disorders  
Respiratory disorders and infections  
Gastrointestinal infections, infestations and congenital disorders  
Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia  
Endocrine disorders: Juvenile Diabetes Mellitus - Orthopedic.disorders: club feet, hip dislocation and fracture. Disorders of skin, eye, and ears  
Common communicable diseases in children, their identification, nursing management in hospital and home and prevention.  
Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning. Nursing care of infant and children with HIV / AIDS. | Lecture  
Discussion  
Demonstration  
Practice session  
Clinical practice | Objective type Assessment of skills with checklist  
Short answers |
| VI   | 07         | Manage the child with behavioral social problems  
Identify the social & welfare services for challenged children | Management of behavioral & social problems in children  
• Management of common behavioral disorders  
• Management of common psychiatric problems  
• Management of challenged children: Mentally, Physically, & Socially challenged  
• Welfare services for challenged children in India. Child guidance clinics | Lecture discussion  
Field visits to child guidance clinics, school for mentally & physically, socially challenged | Short answers  
Objective type Assessment of field Reports |
**Prescribed Internal Assessment Weightage:**

*Internal Assessment* :  Theory - 30  
Assignment - 20

**Reference Books:**

1. Whaley & Wong’s, Nursing Care of Infants & Children, Mosby, Philadelphia.  
2. Marlow, Textbook of Paediatric Nursing, Harecourt (India) Ltd.  
3. Nelson, Textbook of Paediatrics, Harecourt India private Ltd.  
5. Hockenberry, Wong’s Maternal Child Nursing Care, Mosby.  
6. Kenner (C), Comprehensive Neonatal Nursing, Saunders.  
7. Pilltteri (A), Maternal and Child Health Nursing Care, LWW, Philadelphia.  
8. Achar’s textbook of Paediatrics, Orient Longman.  
9. Ghai (OP), Essential Paediatrics.  
10. Fox (JA), Primary Health Care of Infants, Children & Adolescents, Mosby.
# Child Health Nursing Practical

**Placement: Third Year**

**Fourth Year**

**Time: 270 hrs (9 weeks)**

**Internship- 144 hrs (3 weeks)**

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hours</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paediatric Medicine Ward</td>
<td>120 hours</td>
<td>Provide nursing care to children with various medical disorders</td>
<td>Taking Paediatric History’ Physical examination and assessment of children Administer of oral, J/M &amp; IV medicine/fluids Calculation of fluid requirements Prepare different strengths of I. V. fluids Apply restraints Administer 02 inhalation by different methods Give baby bath Feed children by Katori spoon, etc. Collect specimens for common investigations Assist with common diagnostic procedures Teach mothers/parents Malnutrition Oral rehydration therapy • Feeding &amp; Weaning Immunization schedule • Play therapy • Specific Disease conditions</td>
<td>Give care to three assigned pediatric patients Nursing Care Plan -1 Case study/ presentation - I Health Talk -1</td>
<td>Assess clinical performance with rating scale Assess each skill with checklist OSCE/OSPE Evaluation of case study! presentation and Health education session Completion of activity record.</td>
</tr>
<tr>
<td>PEDIATRIC SURGERY WARD</td>
<td>90 hrs</td>
<td>Recognize different pediatric surgical conditions/ Malformations Provide pre and post operative care</td>
<td>Calculate, prepare and administer I/V fluids • bowel wash Care for ostomies: • Colostomy irrigation Ureterostomy u Gastrostomy Enterostomy Urinary catheterization and drainage</td>
<td>Give care to three assigned pediatric surgical patients Nursing Care Plan -1 Case study / Presentation - 1</td>
<td>Assess clinical performance with rating scale Assess each skill with checklist OSCE/OSPE Evaluation of case study!</td>
</tr>
<tr>
<td>Areas</td>
<td>Duration in hours</td>
<td>Objectives</td>
<td>Skills</td>
<td>Assignments</td>
<td>Assessment methods</td>
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<td>to children with common paediatric surgical conditions/ Malformation</td>
<td>Feeding, Naso-gastric, Gastrostomy, Jejunostomy Care of surgical wounds, Suture removal</td>
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<td>presentation, Completion of activity record.</td>
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<td>Counsel and educate parents</td>
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<td>Perform Immunization, Give Health Education / Nutritional Education</td>
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<td></td>
<td>Surgery - 30 hours</td>
<td>Provide nursing care to critically ill children</td>
<td>Care of a baby in incubator/warmer, Care of a child on ventilator, Endotracheal suction, Chest physiotherapy, Administer fluids with infusion pump, Total parenteral nutrition, Phototherapy, Monitoring of babies, Cardio Pulmonary, Resuscitation</td>
<td>Nursing care plan I, Observation report 1</td>
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<td></td>
<td>NICU/Nursery – 30 hours</td>
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**Internship**

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

**Prescribed Internal Assessment Weightage:**

<table>
<thead>
<tr>
<th>Internal Assessment</th>
<th>Weightage</th>
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</thead>
<tbody>
<tr>
<td>Practical Examination</td>
<td>25</td>
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<tr>
<td>Clinical Evaluation</td>
<td>10</td>
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<tr>
<td>Care Study</td>
<td>5</td>
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<tr>
<td>Practical Record</td>
<td>5</td>
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<tr>
<td>Observational Visit</td>
<td>5</td>
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</table>
Mental Health Nursing

Placement: Third Year

Theory — 90 Hours
Practical — 270 Hours
Internship - 96 hours (2 weeks)

Course Description:

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

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

**Prescribed Internal Assessment Weightage:**

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

**Reference Books:**

1. Kapoor, Textbook of Psychiatric Nursing,
4. Sadock (BJ), Textbook of Psychiatry, LWW, Philadelphia..
5. Straight A’s Psychiatric and Mental Health Nursing, LWW, Philadelphia.
**Mental Health Nursing-Practical**

Placement: Third Year  
(10 weeks)

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

**Internal Assessment :** Practical Examination 25

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

Assess clinical performance with rating scale
NURSING RESEARCH AND STATISTICS

Placement: Third Year Internship
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/ partcipate 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>
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</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 & 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   | 5          | Describe the research approaches and designs | Research approaches and designs:  
• Historical, survey and experimental  
• Qualitative and Quantitative designs | Lecture Discussion  
Explain types of research approaches used from examples of published and unpublished research | Short answer Objective type |
<table>
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</table>
| V    | 8          | Explain the sampling process Describe the methods of data collection | **Sampling and data collection:**  
- Definition of Population, Sample, Sampling criteria, factors influencing  
- sampling process, types of sampling techniques.  
- Data- why, what, from whom, when and where to collect.  
- Data collection methods and instruments: Methods of data collection Questioning, interviewing Observations, record analysis and measurement  
Types of instruments Validity & Reliability of the Instrument Pilot study  
Data collection procedure | Lecture Discussion Reading  
Conduct assignment on examples of data collection tools.  
Preparation of sample data collection tool group research project | Short answer Objective type |
| VI   | 4          | Analyze, Interpret and summarize the research data | **Analysis of data:** Compilation, Tabulation, classification, summarization, presentation, interpretation of data | Lecture Discussion Preparation of sample tables. | Short answer Objective type |
| VII  | 15         | Explain the use of statistics, scales of measurement and graphical presentation of data Describe the measures of central tendency and variability and methods of correlation. | **Introduction to statistics:**  
- Definition, use of statistics, scales of measurement.  
- Frequency distribution and graphical presentation of data  
- Mean, Median, Mode, Standard deviation  
- Normal Probability and tests of significance  
- Co-efficient of correlation.  
- Statistical packages and its application | Lecture Discussion Practice on graphical presentations Practice on computation of measures of central tendency, variability & correlation | Short answer Objective type |
| VIII | 3          | Communicate and utilize the research findings. | **Communication and utilization of Research:**  
- Communication of research findings  
- Verbal report  
- Writing research report  
- Writing scientific article/paper | Lecture, Discussion Read/Presentations of sample published / unpublished research report. Writing group research project | Short answer Objective type Oral presentation Assessment of group research Project. |
<table>
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<tr>
<td></td>
<td></td>
<td></td>
<td>- Critical review of published research</td>
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<td>- Utilization of research findings</td>
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</tbody>
</table>

**Prescribed Weightage for Internal Assessment:**

- Internal Assessment : Term Test - 30
- Research Project - 20

**Reference Books:**

1. Polit – Essentials of Nursing Research, 2009, LWW
Midwifery and Obstetrical Nursing

Placement: Fourth year
Time: Theory - 90 hours
       Practical – 180 + 432 (internship) hours

Course Description:

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 3          | Recognize the trends and issues in midwifery and obstetrical nursing | Introduction to midwifery and obstetrical Nursing  
Introduction to concepts of midwifery and obstetrical Nursing  
Trends in midwifery and obstetrical nursing  
Historical perspectives and current trends  
Legal and ethical aspects  
Preconception care and preparing for parenthood  
Role of nurse in midwifery and obstetrical care.  
National policy and legislation in relation to maternal health and welfare.  
Maternal, morbidity, mortality and fertility rates  
Perinatal, morbidity and mortality rates | Lecture discussion  
Explain using Charts and graphs | Short answers  
Objective type |
| II   | 8          | Describe the anatomy and physiology of female reproductive system | Review of anatomy and physiology of female reproductive system and foetal development  
Female pelvis — general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape.  
Female organs of reproduction - external genitalia, internal genital organs and their anatomical | Lecture discussion  
Review with Charts and models | Short answers  
Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
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</tr>
</thead>
</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  
• Skin changes  
• Endocrine system  
• Psychological changes  
• Discomforts of pregnancy  
• Diagnosis of pregnancy  
• Signs  
• Differential diagnosis  
• Confirmatory tests  
• Ante-natal care C Objectives  
• Assessment  
- History and physical examination  
- Antenatal Examination  
- Signs of previous child-birth | Lecture discussion  
Demonstration  
Case discussion! presentation  
Health talk  
Practice session  
Counseling session  
Supervised Clinical practice | Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problems |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| IV   | 12         | Describe the physiology and stages of labour. Describe the management of women during intra-natal period | **Assessment and management of intra-natal period,**  
- Physiology of labour, mechanism of labour  
- Management of labour. First stage  
- Signs and symptoms of onset of labour; normal and abnormal  
- Duration  
- Preparation of:  
- Labour room  
- Woman  
- Assessment and observation of women in labour; partogram-maternal and foetal monitoring | Lecture discussion  
Demonstration Case discussion!  
presentation  
Simulated practice  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problems |
<table>
<thead>
<tr>
<th>Unit</th>
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<tbody>
<tr>
<td></td>
<td>5</td>
<td>Describe the physiology of puerperium. Describe the management of women during post-natal period</td>
<td><strong>Assessment and management of women during post natal period</strong> &lt;br&gt; • Normal puerperium; Physiology Duration &lt;br&gt; • Postnatal assessment and management &lt;br&gt; • Promoting physical and emotional well-being &lt;br&gt; • Lactation management Immunization</td>
<td>Lecture discussion &lt;br&gt; Demonstration &lt;br&gt; Health talk - Practice Session Supervised Clinical practice</td>
<td>Essay type &lt;br&gt; Short answers &lt;br&gt; Objective type &lt;br&gt; Assessment of skills with check list Assessment</td>
</tr>
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<td>Unit</td>
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</tbody>
</table>
| VI   | 6          | Describe the assessment and management of normal neonate | **Assessment and management of normal neonates**  
Normal Neonate;  
- Physiological adaptation,  
- Initial & Daily assessment  
- Essential newborn care; Thermal control,  
- Breast feeding, prevention of infections  
Immunization  
Minor disorders of newborn and its management  
Levels of Neonatal care (level I, II, & III)  
At primary, secondary and tertiary levels  
Maintenance of Reports and Records | Lecture discussion  
Demonstration  
Practice Session  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problems |
| VII  | 10         | Describe the Identification and management of women with high risk pregnancy | **High-risk pregnancy - assessment & management**  
- Screening and assessment  
- Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive,  
- Newer modalities of diagnosis  
- High-risk approach  
- Levels of care; primary, secondary and tertiary levels  
- Disorders of pregnancy  
- Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic  
- Pregnancy, vesicular mole,  
- Ante-partum haemorrhage.  
- Uterine abnormality and displacement.  
- Diseases complicating pregnancy  
- Medical and surgical conditions  
- Infections, RTI (STD), UTI, HIV, TORCH | Lecture discussion  
Demonstrate using video films, scan reports, partograph etc Case discussion/presentation  
Health talk Practice  
Session Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with check list  
Assessment of patient management problems |
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</thead>
</table>
| VIII | 10 | Describe management of abnormal labour. And obstetrical emergencies | Abnormal Labour - assessment and management  
- Disorders in labour  
- CPD and contracted pelvis  
- Malpositions and malpresentations  
- Premature labour, disorders of uterine actions - precipitate labour, prolonged labour  
- Complications of third stage: injuries to birth canal  
- Obstetrical emergencies and their management;  
- Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock  
- Obstetrical procedures and operations;  
- Induction of labour, forceps, vacuum version, manual removal of placenta, cesarean section, destructive operations  
- Nursing management of women undergoing Obstetrical operations and procedures | Lecture discussion Demonstration Case discussion! presentation Practice Session Supervised Clinical practice | Essay type Short answers Objective type Assessment of skills with checklist. Assessment of patient management problems |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| IX   | 4          | Describe management of post natal complications | Abnormalities during Postnatal Periods  
Assessment and management of woman with postnatal complications  
Puerperal infections, breast engorgement & infections, thrombo-Embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution, Psychological complications:  
- Post partum Blues  
- Post partum Depression  
- Post partum Psychosis | Lecture discussion  
Demonstration Case discussion  
presentation  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with checklist.  
Assessment of patient management problems |
| X    | 10         | Identify the high risk neonates and their nursing management | Assessment and management of High risk newborn  
- Admission of neonates in the neonatal intensive care units-protocols  
Nursing management of:  
- Low birth weight babies  
- Infections  
- Respiratory problems  
- haemolytic disorders  
- Birth injuries  
- Malformations  
- Monitoring of high risk neonates  
- Feeding of high risk neonates  
- Organization and management of neonatal intensive care units  
- Infection control in neonatal intensive care units  
- Maintenance of reports and records | Lecture discussion  
Demonstration  
-Practice session  
Case discussion! presentation  
Supervised Clinical practice | Essay type  
Short answers  
Objective type  
Assessment of skills with checklist.  
Assessment of patient management problems |
| XI   | 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, contra indication and side effects of drugs  
Effect of drugs on pregnancy, labour & puerperium,  
Nursing responsibilities in the administration of drug in Obstetrics  
- oxytocins, antihypertensives, diuretics, tocolytic agents, anti convulsants;  
Analgesics and anesthetics in | Lecture discussion  
Drug book  
Drug presentation | Short answers  
Objective type |
<table>
<thead>
<tr>
<th>Unit</th>
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<th>Assessment methods</th>
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</thead>
</table>
| 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 problems in India  
• Concepts, aims, importance and history of family welfare programme  
• National Population: dynamics, policy and education  
• National family welfare programme: RCH, ICDS, MCH. Safe motherhood  
• Organization and administration; at national, state, district, block and village levels  
• Methods of contraception; spacing, temporary and permanent, Emergency contraception  
• Infertility and its management  
• Counseling for family welfare  
• Latest research in contraception  
• Maintenance of vital statistics  
• Role of national, international and voluntary organizations  
• Role of a nurse in family welfare programme  
• Training / Supervision / Collaboration with other functionaries in community like ANMs. LHV’s, Anganwadi workers, TBAs (Traditional birth attendant - Dai) | Lecture discussion  
Demonstration  
Practice session  
Supervised practice Group project  
Counseling session Field visits | Essay type  
Short answers  
Objective type  
Assessment of skills with check list, project and field visits reports |

**Prescribed Internal Assessment Weightage:**

**Internal Assessment** :

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

144
Reference Books:

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

**Placement:** Fourth year  
**Practical:** 180 hours (Fourth year)  
**Internship:** 432 hours (Internship)

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

- Katori spoon, paladi, tube feeding, total parenteral nutrition
- Thermal management of neonates-kangaroo mother care, care of baby in incubator
- Monitoring and care of neonates
- Administering medications
- Intravenous therapy
- Assisting with diagnostic procedure, Assisting with exchange transfusion
- Care of baby on ventilator
- Phototherapy
- Infection control protocols in the nursery
- Teaching and counseling of parents
- Maintenance of Neonatal records

of and observation study
* Essential Requirements for registration as midwife

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

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

Internship Obstetrical Nursing
Duration- 5 weeks

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in weeks</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labour Ward</td>
<td>4</td>
<td>Provide comprehensive care to mothers and neonates</td>
<td>integrated Practice</td>
<td>Completion of other essential requirements</td>
<td>Assess clinical performance with rating scale</td>
</tr>
<tr>
<td>Neonatal intensive care unit NICU</td>
<td>1</td>
<td></td>
<td></td>
<td>Case book recordings</td>
<td>Completion of case book recordings</td>
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<td>OT</td>
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<tr>
<td>Antenatal</td>
<td>2</td>
<td></td>
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<tr>
<td>Post natal</td>
<td>1</td>
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Prescribed Internal Assessment Weightage:

Internal Assessment : Practical Examination 25
Clinical Evaluation 10
Care Study/Case book 5
Practical Record 5
Observational Visit 5
Community Health Nursing-II

Placement: Fourth year

Time: Theory - 90 hours
Practical - 135 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>
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<th>Learning Objectives</th>
<th>Content</th>
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</tr>
</thead>
</table>
| I    | 4          | Define concepts, scope, principles and historical development of Community Health and community health Nursing | **Introduction**  
• Definition, concept & scope of Community Health and Community Health Nursing  
• Historical development of Community health  
• Community health Nursing.  
- Pre-independence  
- Post-independence | Lecture discussion | Essay type  
Short answers |
| II   | 6          | Describe health plans, policies, various health committees and health problems in India | **Health planning and policies and problems**  
• National health planning in India-Five Year Plans  
• Various committees and commissions on health and family welfare  
• Central council for health and family welfare (CCH and FW)  
• National population policy  
• Health problems in India | Lecture discussion  
Panel discussion | Essay type  
Short answers |
| III  | 15         | Describe the system of delivery of community health services in rural and urban areas | **Delivery of community health services**  
Planning, budgeting and material management of SCs, PHC and, CHC  
Rural: Organization, staffing and functions of rural health services provided by government at: | Lecture discussion  
Visits to various health delivery systems  
Supervised field practice  
Panel discussion | Essay type  
Short answers |
<table>
<thead>
<tr>
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</thead>
</table>
|      |            | List the functions of various levels and their staffing pattern. Explain the components of health services. Describe alternative systems of health promotion and health maintenance. Describe the chain of referral system. | • Village  
• Sub centre  
• Primary health centre  
• Community health center / sub divisional  
• Hospitals  
• District  
• State  
• Center  
• Urban: Organization, staffing and functions of urban health services provided by government at:  
• Slums  
• Dispensaries  
• Maternal and child health centers  
• Special Clinics • Hospitals  
• Corporation / Municipality / Board  
• Components of health services  
• Environmental sanitation  
• Health education  
• Vital statistics  
• M.C.H.-antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act  
• Family Welfare  
• National health programmes  
• School health services  
• Occupational health  
• Defence services  
• Institutional services  
• Systems of medicine and health care  
• Allopathy  
• Indian System of Medicine and Homeopathy  
• Alternative health care systems like yoga, meditation, social and spiritual healing etc  
• Referral system | * |                |
<table>
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<tbody>
<tr>
<td>IV</td>
<td>25</td>
<td>Describe Community health Nursing approaches and concepts Describe the roles and responsibilities of Community health nursing personnel</td>
<td><strong>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel</strong>  - Approaches  - Nursing theories And Nursing process  - Epidemiological approach  - Problem solving approach  - Evidence based approach  - Empowering people to care for themselves  - Concepts of Primary Health Care:  - Equitable distribution  - Community participation  - Focus on prevention  - Use of appropriate technology  - Multi-sectoral approach  - Roles and responsibilities of Community health nursing personnel in  - Family health services  - Information Education Communication (IEC)  - Management Information System (Mis): Maintenance of Records &amp; reports  - Training arid supervision of various categories of health workers  - National Health Programmes  - Environmental sanitation  - Maternal and child health and Family welfare  - Treatment of Minor ailments  - School Health Services  - Occupational Health  - Organization of clinics, camps: Types, Preparation, planning, conduct and evaluation  - Waste management in the center, clinics etc. Home visit: Concept, Principles, Process, Techniques: Bag technique home visit Qualities of Community Health Nurse</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>
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<tr>
<td>V</td>
<td>15</td>
<td>Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health</td>
<td>Assisting individuals and groups to promote and maintain their health Empowerment for self care of individuals, families and groups in A. Assessment of self and family • Monitoring growth and development Mile stones Weight measurement Social development • Temperature and Blood pressure monitoring • Menstrual cycle • Breast self examination and testicles • Warning Signs of various diseases • Tests : Urine for sugar and albumin, blood sugar B. Seek health services for • Routine checkup • Immunization • Counseling • Diagnosis • Treatment • Follow up • Maintenance of health records for self and family • Continue medical care and follow up in community for various diseases and disabilities</td>
<td>Lecture discussion Demonstration Practice session Supervised field practice Individual group/family community health education</td>
<td>Essay type Short answers</td>
</tr>
</tbody>
</table>

E. Carryout therapeutic procedures as prescribed! required for self and family F. Waste Management • Collection and disposable 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 • Female Foeticide • Commercial sex workers
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</table>
| VI   | 20         | Describe National Health and Family Welfare Programmes and Role of Nurse Describe the various health schemes in India | • 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 | Lecture, Discussions Participation in National Health Programmes Field Visits | Essay Type Short Answers |

**National Health & Family Welfare Programmes and the Role of Nurse**

- National ARI Programme Revised
- National Tuberculosis Control Programme (RNTCP)
- National Anti-Malaria Programme
- National Filaria control Programme
- National Guinea worm eradication Programme
- National Leprosy Eradication Programme
- National AIDS Control Programme
- STD Control Programme
- National Programme for Control of Blindness
- Iodine Deficiency Disorder Programme
- Expanded Programme on Immunization
- National Family Welfare Programme – RCH Programme
- Historical Development, Organization, Administration, Research, Constraints
- National Water Supply & Sanitation Programme
- Minimum need programme
- National Diabetics Control Programme
- Polio Eradication: Pulse Polio Programme
- National Cancer Control Programme
- Yaws eradication programme
- National Nutritional Anemia
<table>
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<tbody>
<tr>
<td>VII</td>
<td>5</td>
<td>Explain the roles and functions of various national and international health agencies</td>
<td>Prophylaxis Programme  20 Point Programme  ICDS Programme  Mid-day Meal Applied Nutritional Programme  National Mental Health Programme  Health Schemes  -ESI  -CGHS  -Health Insurance</td>
<td>Lecture discussion Field visits</td>
<td>Essay type Short answers</td>
</tr>
</tbody>
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**Prescribed Internal Assessment Weightage:**

<table>
<thead>
<tr>
<th>Internal Assessment</th>
<th>Term Test</th>
<th>Assignment</th>
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</thead>
<tbody>
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<td>- 30</td>
<td>- 20</td>
</tr>
</tbody>
</table>

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Reference Books

8. Freeman, Community Health Nursing Practice, W.B.Saunders Company, Philadelphia.
# Community Health Nursing-II Practical

**Placement: Fourth year**

**Time: Practical — 135 hours**

**Internship- 192 hours**

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hrs</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rural – 100 hours</td>
<td>Participate in national health programs. Organize group for self help and involve clients in their own health activities. Provide family welfare services. Counsel and educate individual, family and community. Collect Vital health statistics. Maintain Records &amp; Reports.</td>
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### Clinical Evaluation

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in hrs</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family Care Study</td>
<td></td>
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<td>physically and mentally challenged individuals etc Collect and Calculate Vital health statistics</td>
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<td>Document and maintain Individual, family and administrative records. Write reports- center, disease,</td>
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<td>national health programme/ projects</td>
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<td>Practical Record</td>
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<tr>
<td>Field/Observational Visit</td>
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**Placement: Internship Time: 4 Weeks**

<table>
<thead>
<tr>
<th>Areas</th>
<th>Duration in weeks</th>
<th>Objectives</th>
<th>Skills</th>
<th>Assignments</th>
<th>Assessment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urban</td>
<td>4 weeks</td>
<td>Provide comprehensive care to individual, family and community</td>
<td>Integrated Practice and group project- I in each rural and urban</td>
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**Prescribed Internal Assessment Weightage:**

Internal Assessment : Practical Examination 25  
Clinical Evaluation 10  
Family Care Study 5  
Practical Record 5  
Field/Observational Visit 5

Note: During the Rural posting they should stay in health centers under the supervision of teachers
**MANAGEMENT OF NURSING SERVICES AND EDUCATION**

**Placement:** Fourth year

**Hours:** 90 Hours

**Theory:** 60 hours

**Practical:** 30 hours

**Course Description:**

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

<table>
<thead>
<tr>
<th>Unit</th>
<th>Time (Hrs)</th>
<th>Learning Objectives</th>
<th>Content</th>
<th>Teaching Learning Activities</th>
<th>Assessment methods</th>
</tr>
</thead>
</table>
| I    | 4          | Explain the principles and functions of management. | **Introduction to management in nursing**  
* Definition, concepts and theories  
* Functions of management  
* Principles of Management  
* Role of Nurse as a manager | Lecture Discussion  
Explain using organization chart | Short answers |
| II   | 5          | Describe the elements and process of management | Management process  
Planning: mission, philosophy, objectives, operational plan  
Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling  
Human resource management: recruiting, selecting, deployment, retaining, promoting, superannuation etc  
Budgeting: concept, principles, types, cost benefit analysis, audit  
Material management: equipment and supplies  
Directing process (Leading)  
Controlling: Quality management  
Program Evaluation | Lecture Discussion  
Simulated Exercises  
Case studies | Essay type  
Short answers |

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<table>
<thead>
<tr>
<th>Unit</th>
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<th>Content</th>
<th>Teaching Learning Activities</th>
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<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, Demonstration, Simulated Exercises, Case studies, Supervised practice in ward- writing indents, preparing duty roster, ward supervision, Assignment on duties and responsibilities of ward sister, Writing report</td>
<td>Essay type, Short answers, Assessment of problem solving exercises, Assessment of the assignments, Performance evaluation by ward sister with rating scale</td>
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<td>(PERT), Bench marking, Activity Plan (Gantt Chart).</td>
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<td>Management of nursing services in the hospital and Community: • Planning: Hospital and patientss care units including ward management, Emergency and disaster management, • Human resource management: Recruiting, selecting, deployment, retaining, promoting, superannuation etc • Categories of nursing personnel including job description of all levels • Patient/population classification systems, Patients/population assignment and Nursing care responsibilities • Staff development and welfare Budgeting: proposal, projecting requirements for staff, equipments and supplies for 1-hospital and patient care units • Emergency and disaster management Material Management; procurement, inventory</td>
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<td>Unit</td>
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</table>
| IV  | 10         | Describe the concepts, theories and techniques of Organizational behaviour and human relations | Organizational behaviour and human relations:  
  - Concepts and theories of organizational behaviours  
  - Review of Channels of communication  
  - Leadership styles  
  - Review of Motivation; concepts and theories  
  - Group dynamics  
  - Techniques of Communication;  
  - Interpersonal relationships  
  - Human relations;  
  - Public relations in context of nursing  
  - Relations with professional associations and employee unions and Collective | Lecture Discussion Role plays Group games Self assessment Case discussion Practice Session | Essay type Short answers Assessment of problem solving |

- control, auditing and maintenance in Hospital and patient care units  
- Emergency and disaster management  
- Directing and leading: delegation, participatory management  
- Assignments, rotations, delegations  
- Supervision & guidance  
- Implement Standards, policies, procedures and practices  
- Staff development and welfare  
- Maintenance of discipline  
- Controlling / Evaluation:  
- Nursing Rounds/Visits, Nursing protocols, Manuals  
- Quality Assurance Model, documentation - a Records and reports  
- Performance appraisal
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>V</td>
<td>5</td>
<td>T 5 P 5</td>
<td>Participate in planning and organizing in service education program</td>
<td>In service education: • Nature &amp; scope of in-service education program, • Organization of in service education • Principles of adult learning, • Planning for in-service education program, techniques, methods &amp; evaluation of staff education program • Preparation of report</td>
<td>Lecture Discussion Plan &amp; conduct an educational session for in service nursing personnel Short Answer Objective type Assess the planning &amp; conduct of the educational session</td>
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<tr>
<td>VI</td>
<td>10</td>
<td>T 10 P 5</td>
<td>Describe management of Nursing educational institutions</td>
<td>Management of nursing educational institutions • Establishment of Nursing educational institution-INC norms and guidelines • Co-ordination with • Regulatory bodies • Accreditation • Affiliation - Philosophy, objectives - Organization • Structure • Committees - Physical facilities • College/School • Hostel - Students • Selection • Admission • Guidance and Counseling • Maintaining discipline - Faculty and staff • Selection • Recruitment • Job description • Placement • Performance appraisal • Development and welfare Budgeting Equipments and supplies; audio visual equipments, laboratory equipment, books, journals etc Curriculum; Planning,</td>
<td>Lecture Discussion Role plays Counseling session Group Exercises Essay type Short answers</td>
</tr>
<tr>
<td>Unit</td>
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<tr>
<td>VII</td>
<td>15</td>
<td>Describe the ethical and legal responsibilities of a professional nurse. Explain the nursing practice standards</td>
<td>Implementation and evaluation, Clinical facilities Transport facilities Institutional Records and reports administrative, faculty, staff and students</td>
<td>Lecture Discussion Case discussion Panel discussion Role plays Critical incidents Visit to INC/SNC</td>
<td>Short answers Assessment of critical incidents</td>
</tr>
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</table>
| VIII | 3          | Explain the various opportunities for professional advancement | **Professional Advancement:**  
- Continuing education  
- Career Opportunities  
- Collective bargaining  
- Membership with Professional organizations; National, and International  
- Participation in research activities  
- Publications; Journals, Newspapers etc. | Lecture Discussion Review! Presentation of published articles | Short answers |
Prescribed Weightage for Internal Assessment:

Internal Assessment :  Term Test - 30  
                      Assignment - 10  
                      Observational visit - 10

Reference Books:

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