B.Sc Nursing (Basic) Degree Curriculum

Managed by Mata Amritanandamayi Math
Amritapuri, Kollam, Kerala, India – 690 525.
B. Sc NURSING CURRICULUM

(FROM 2002 Admission)

Bachelor of Science in Nursing is a four-year degree course of study with one-year compulsory internship after the successful completion of the four-year course, in Amrita College of Nursing, Amrita Vishwa Vidyapeetham. The main purpose of this programme is to prepare professional nursing graduates who will be able to render comprehensive health care to all, in various settings and participate and co-ordinate nursing service and nursing education at different levels.

Objectives

1. Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients that contribute to health of the individuals, families and communities.

2. Demonstrate competency in rendering quality health care and techniques of nursing care.

3. Participate as members of health team in the preventive, promotive, curative and restorative healthcare delivery system of the country.

4. Demonstrate leadership quality and decision making ability in various situations.

5. Develop basic skills in nursing research.

6. Utilize resources for continued learning for their personal and professional development.

7. Demonstrate beginning skills in teaching, management, interpersonal relations and communication.

8. Contribute efficiently as responsible citizen and practice ethical values in their personal and professional life.

Eligibility for admission

Candidates for admission to the course of Bachelor of Science in Nursing shall be required to have passed the Higher Secondary course/Pre-degree course or any other course with 10+2 years recognized as equivalent there to by Mahatma Gandhi University with Physics, Chemistry & Biology as optionals with minimum 50% aggregate marks. Selection will be made on the basis of Common Entrance Test conducted by Amrita Vishwa Vidyapeetham (Deemed University).

Duration

Duration of the course shall be four years and one-year compulsory internship.

Vacation

Six weeks Vacation/ Holidays per year.
Regulations

1. University examination shall be conducted ordinarily twice in a Year.

2. Candidate shall register for all parts for examination in their first appearance.

3. Candidate who have undergone the prescribed course of study for a period not less than 10 months of the academic year only can appear for the examination. No candidate shall be admitted to any part of examination unless he/she has secured a minimum of 80% or above attendance for classes as well as practicals in each subject.

4. If any candidate is not having minimum class average mark (internal assessment) of 50% he/she shall not be allowed to appear for the University Examination in any subject of that particular year of study. Calculation of internal marks shall be based on the ongoing and continuous process as specified below.

   i  Theory:-
      a  Periodic written examination distributed throughout the year (minimum 3 in a year for each subject of University examination)
      b  Evaluation by other methods like assignments, seminars, projects, weightage for attendance etc.

   ii Practical (clinical):-
      a  Continuous clinical evaluation during the clinical experience of the student as specified by the specific institution including nursing care study, clinical presentation, planned health teaching programme, projects, weightage for clinical attendance etc.
      b  Clinical/Practical examination conducted in the concerned practical area.

5. A candidate, who absents for a total of more than 60 days continuously within a period of three months during an academic year, shall not be eligible to continue the course with the same batch of students. He/she may obtain special sanction for re-admission with the junior batch of students from higher authorities.

6. Candidate who secure the minimum 50% marks for pass, as specified in the scheme of examination shall be declared passed the examinations.

7. Candidate who pass all parts of examination on the first occasion of appearing there of shall be ranked in order of proficiency as described by the total marks obtained and shall be arranged in two classes.

   Second Class: Candidates who have passed the examination with an aggregate of 50% and above.
   First Class: Those who have secured 65% marks aggregate or above.

   Distinction: Those students who have secured aggregate 75% or above marks be awarded distinction. Candidates who pass in the First Class and who obtain not less than 75% of the marks in any subject shall be deemed to have passed with distinction in that subject. Candidates who pass the examination in subsequent appearance shall be ranked only in second class.
**Rank in the Examination:** Aggregate marks of all the 4 years regular examinations shall be considered for awarding rank for the B.Sc Nursing examination. (A consolidated mark list consisting of marks of all 4-year examination shall be given to all students).

8 Candidate who fails in any paper or part of the examination may appear for that paper or part or whole examination and pass the subsequent examination.

9 No candidate shall be admitted to the subsequent higher examination unless he/she has passed the previous examination. For eg; no candidate shall be admitted to II B.Sc Nursing examination unless he/she has passed first year B.Sc Nursing degree Examination.

10 The candidate who fails in the I B.Sc Nursing Examination will be allowed to continue the course only up to III year. The student will not be permitted to attend the IV year classes unless he/she passes the first year B.Sc Nursing Examination.

11 A candidate shall complete the course within a period of maximum eight years from the date of admission to the course.

### COURSE OF STUDY

Candidates shall undergo a course of professional study in a College of Nursing under this Deemed University for not less than four academic years and compulsory internship for a period of one year.

i) First Year B.Sc Course in Nursing
ii) Second Year B.Sc Course in Nursing
iii) Third Year B.Sc Course in Nursing
iv) Final Year B.Sc Course in Nursing

### I Year B.Sc Nursing Course

The course of study for the First Year B.Sc Nursing shall be one academic year and comprises the study of the following subjects.

**Part I – Biological Sciences**

i) Anatomy including Histology  
ii) Physiology including Biochemistry  
iii) Microbiology

**Part II – Social and Behavioural Sciences**

i) Sociology  
ii) General Psychology

**Part III – Community Health**

i) Introduction to community Health  
ii) Nutrition
**Part IV – Nursing I**  
i) Foundation of Nursing  
ii) First Aid  

**Part V**  
i) Computer Science  
ii) Elective: Spoken English/Yoga  

**II Year B.Sc Nursing Course**  
The course of study for the Second year B.Sc Nursing shall be one academic year and comprises the study of the following subjects.

**Part I – Nursing II**  
i) Medical Nursing  
ii) Communicable disease Nursing  
iii) Venereology & Dermatological Nursing  
iv) Pathology  
v) Dietetics  
vi) Pharmacology  

**Part II – Nursing III**  
i) Surgical Nursing  
ii) Operation Room Technique  
iii) Anaesthesiology  
iv) Ophthalmic and ENT-Nursing  

**Part III – Nursing IV**  
i) Community Health Nursing I  
ii) Family Welfare  

**III Year B.Sc Nursing Course**  
The course of study for the Third year B.Sc Nursing shall be one academic year and comprises the study of the following subjects.

**Part I Nursing V**  
i) Advanced Medical – Surgical Nursing  
ii) Mental Health Nursing  
iii) Child Health Nursing  

**Part II – Nursing Research**  
i) Nursing Research including Statistics  

**IV Year B.Sc Nursing Course**  
The course of study for the Final Year B.Sc Nursing shall be one academic year and comprises the study of the following subjects.
Clinical Experience
Candidates shall be posted to Hospitals & Community Health Centres as specified by Indian Nursing Council norms for their clinical experience.

Examinations
_Candidates shall pass Four University Examination:_

- i) First Year B.Sc Nursing Examination
- ii) Second Year B.Sc Nursing Examination
- iii) Third Year B.Sc Nursing Examination
- iv) Fourth Year B.Sc Nursing Examination

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**SCHEME OF EXAMINATION**
_First Year B.Sc Nursing Examination_

<table>
<thead>
<tr>
<th>Subject</th>
<th>Theory Duration</th>
<th>Practical Duration</th>
<th>Viva</th>
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</thead>
<tbody>
<tr>
<td><strong>Part I Biological Sciences</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Paper-I Anatomy &amp; Histology</td>
<td>2 hrs</td>
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<tr>
<td>Paper-II Physiology and Biochemistry</td>
<td>2 hrs</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Paper-III Microbiology</td>
<td>2 hrs</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Part II Social and Behavioural Sciences</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper I Sociology</td>
<td>2 hrs</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Paper II General Psychology</td>
<td>2 hrs</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Part III Community Health</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper I Introduction to Community Health</td>
<td>2 hrs</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Paper II Nutrition</td>
<td>2 hrs</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Part IV Nursing I</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper I Foundations of Nursing including First Aid</td>
<td>3 hrs</td>
<td>3 hrs</td>
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</tr>
<tr>
<td><strong>Part V Computer Science</strong></td>
<td>No University Examination only</td>
<td>Internal assessment</td>
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## Second Year B.Sc Nursing Examination

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<tbody>
<tr>
<td><strong>Part I Nursing II</strong></td>
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</tr>
<tr>
<td>Paper I - Medical Nursing including Communicable Disease, and Venereology/ Dermatological Nursing</td>
<td>3 hrs</td>
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<tr>
<td>Paper II - Pharmacology</td>
<td>2 hrs</td>
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<tr>
<td><strong>Part II Nursing III</strong></td>
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<tr>
<td>Paper I Surgical Nursing including O.R. Technique</td>
<td>3 hrs</td>
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<tr>
<td>Paper II ENT and Ophthalmic Nursing</td>
<td>2 hrs</td>
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<tr>
<td><strong>Part III Nursing IV</strong></td>
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<tr>
<td>Community Health Nursing</td>
<td>3 hrs</td>
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<td>Including Family Welfare</td>
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## Third Year B.Sc Nursing Examination

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<tr>
<td><strong>Part I Nursing V</strong></td>
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<tr>
<td>Paper I - Advanced Medical Surgical Nursing</td>
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<tr>
<td>Paper II – Mental Health Nursing</td>
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<td>3 hrs</td>
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<tr>
<td>Paper III Child Health Nursing</td>
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<tr>
<td><strong>Paper II Nursing Research</strong></td>
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<tr>
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## Fourth Year B.Sc Nursing Examination

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<td>Paper I - Maternity Nursing including Gynecological Nursing</td>
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<td>Paper II – Community Health Nursing</td>
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<td><strong>Part II Education and Administration</strong></td>
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<tr>
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<tr>
<td>Paper II - Nursing Administration</td>
<td>3 hrs</td>
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## DISTRIBUTION OF MARKS

### I Year B.Sc DEGREE EXAMINATION IN NURSING

<table>
<thead>
<tr>
<th>Part - Subject</th>
<th>Total Marks</th>
<th>Minimum Marks</th>
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<tbody>
<tr>
<td><strong>Part I – Biological Sciences</strong></td>
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<tr>
<td>Paper I – Anatomy Including Histology</td>
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<tr>
<td>Written Examination - University</td>
<td>50</td>
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<td>Written Examination – Class average</td>
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<tr>
<td>Oral Examination - University</td>
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<td><strong>Total</strong></td>
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<tr>
<td>Paper II Physiology including Biochemistry</td>
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<td>Written Examination - University</td>
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<td>Written Examination - Class average</td>
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<td>12.50</td>
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<tr>
<td>Oral Examination - University</td>
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<tr>
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<td><strong>100</strong></td>
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<table>
<thead>
<tr>
<th>Paper III Microbiology</th>
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<td>Written Examination - University</td>
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<td>Written Examination - Class average</td>
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<td>12.50</td>
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<td>Oral Examination - University</td>
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<tr>
<td></td>
<td><strong>100</strong></td>
<td><strong>50.00</strong></td>
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| Part II – Social and Behavioural Sciences  |   |   |
| Paper II Sociology                        |   |   |
| Written Examination - University          | 50| 25.00|
| Written Examination - Class average       | 25| 12.50|
|                                           | **75**| **37.50**|

| Paper II General Psychology               |   |   |
| Written Examination - University          | 50| 25.00|
| Written Examination - Class average       | 25| 12.50|
|                                           | **75**| **37.50**|

| Part III – Community Health               |   |   |
| Paper I Introduction to Community Health  |   |   |
| Written Examination - University          | 50| 25.00|
| Written Examination - Class average       | 25| 12.50|
|                                           | **75**| **37.50**|

| Part II Nutrition                         |   |   |
| Written Examination - University          | 50| 25|
| Written Examination - Class average       | 25| 12.50|
|                                           | **75**| **37.50**|

| Part IV – Nursing I                       |   |   |
| Paper I - Foundations of Nursing Including First Aid |   |   |
| Written Examination - University          | 100| 50|
| Written Examination - Class average       | 50| 25|
| Practical & Oral - University             | 100| 50|
| Practical & Oral - Class average          | 50| 25|
|                                           | **300**| **150**|

| Total Marks in First Year                 | **900**| **450**|
| Part V – Computer Science Class average   | 50| 25|
## II YEAR B.Sc DEGREE EXAMINATION IN NURSING

<table>
<thead>
<tr>
<th>Part - Subject</th>
<th>Total Marks</th>
<th>Minimum Marks</th>
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<tbody>
<tr>
<td><strong>Part I - Nursing II</strong></td>
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<tr>
<td><strong>Paper I - Medical Nursing Including Communicable Disease and Dermatological Nursing</strong></td>
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</tr>
<tr>
<td>Written Examination - University</td>
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<tr>
<td>Practical &amp; Oral - University</td>
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<td>Practical &amp; Oral – Class average</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>300</strong></td>
<td><strong>150</strong></td>
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<td><strong>Paper II Pharmacology</strong></td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>75</strong></td>
<td><strong>37.50</strong></td>
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<tr>
<td><strong>Part II Nursing III</strong></td>
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<tr>
<td><strong>Paper I - Surgical Nursing Including O.R Technique</strong></td>
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<td>Written Examination – Class average</td>
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<tr>
<td>Practical and Oral - University</td>
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<tr>
<td><strong>Total</strong></td>
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<td><strong>150</strong></td>
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<tr>
<td><strong>Paper II - ENT and Ophthalmic Nursing</strong></td>
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<td>Written Examination – Class average</td>
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<td>12.50</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>75</strong></td>
<td><strong>37.50</strong></td>
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<td><strong>Part III – Nursing V</strong></td>
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<tr>
<td><strong>Paper I - Community Health Nursing and Community Medicine including family welfare</strong></td>
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<td><strong>Total Marks in II Year</strong></td>
<td><strong>900</strong></td>
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## III YEAR B.Sc DEGREE EXAMINATION IN NURSING

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<th>Part - Subject</th>
<th>Total Marks</th>
<th>Minimum Marks</th>
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<tr>
<td><strong>Part I - Nursing V</strong></td>
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<tr>
<td><strong>Paper II Advanced Medical Health Nursing</strong></td>
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<tr>
<td>Written Examination - University</td>
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<td>50</td>
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<tr>
<td>Written Examination – Class average</td>
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<tr>
<td>Practical and Oral - University</td>
<td>100</td>
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<td>Practical and Oral – Class average</td>
<td>50</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>300</strong></td>
<td><strong>150</strong></td>
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<tr>
<td><strong>Paper II Mental Health Nursing</strong></td>
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<td>Written Examination - University</td>
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<td>50</td>
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<tr>
<td>Written Examination – Class average</td>
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<tr>
<td>Practical and Oral - University</td>
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### Paper III Child Health Nursing

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<tr>
<td>Written Examination – Class average</td>
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<tr>
<td>Practical &amp; Oral - University</td>
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<td>Practical &amp; Oral – Class average</td>
<td>50</td>
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### Part II – Nursing Research

### Paper I – Nursing Research Including Statistics

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<td>Written Examination - University</td>
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<tr>
<td>Written Examination – Class average</td>
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<tr>
<td>Research Project – Class average</td>
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### Total Marks in III Year

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<thead>
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### IV YEAR B.Sc DEGREE EXAMINATION IN NURSING

#### Part I – Nursing VI

### Paper I Maternity Nursing Including Gynecological Nursing

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<tr>
<td>Written Examination - University</td>
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<td>Practical &amp; Oral – Class average</td>
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### Paper II – Community Health Nursing II

<table>
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<tr>
<th>Part</th>
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<tr>
<td>Practical &amp; Oral - University</td>
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### Part II – Education and Administration

### Paper I Nursing Education

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<td>Written Examination – Class average</td>
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<tr>
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<tr>
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### Part II Nursing Administration

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<tr>
<td>Oral - University</td>
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### Total Marks in IV Year

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<td><strong>Total Marks in IV Year</strong></td>
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### Grand Total Marks

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### Instructions for Conduct of Examination

1. There shall be two examiners in each paper of examination i.e., one internal and one external.
2. Internal examiners shall be appointed in each subject from within the institution.
3. An examiner (Internal/External) shall have a minimum 3 Yrs. of experience in collegiate Programme after M.Sc Nursing.
4. All practical examination shall be conducted strictly for 3 hours as prescribed in the syllabus (scheme of examination) in the concerned clinical area or community field as the case may be.
5. For practical examination, the oral examination shall be conducted in a separate session after the practical session on the same day.
6. The number of candidates per day for Practical examination shall not exceed 12-15.

### B.Sc Degree in Nursing

#### Duration of the Course: 4 Year

**First Year B.Sc Nursing – Duration – I Academic Year**

<table>
<thead>
<tr>
<th>Subject</th>
<th>No. of hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Theory</td>
</tr>
<tr>
<td><strong>Part I – Biological Sciences</strong></td>
<td></td>
</tr>
<tr>
<td>1. Anatomy and Histology</td>
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<tr>
<td>2. Physiology</td>
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<tr>
<td>3. Biochemistry</td>
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<tr>
<td>4. Microbiology</td>
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<td><strong>Total</strong></td>
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<tr>
<td><strong>Part II – Social &amp; Behavioural Sciences</strong></td>
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<tr>
<td>1. Sociology</td>
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<td>2. General Psychology</td>
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<td><strong>Total</strong></td>
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<tr>
<td><strong>Part III – Community Health</strong></td>
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<tr>
<td>1. Introduction to Community Health</td>
<td>70</td>
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<td>2. Nutrition</td>
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<td><strong>Total</strong></td>
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<tr>
<td><strong>Part IV – Nursing I</strong></td>
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<tr>
<td>1. Nursing Foundations</td>
<td>280</td>
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<td>2. First Aid</td>
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<td><strong>Total</strong></td>
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## Part V - Computer Sciences
**Basic Computer Education** | 20 | 40

## Part VI - Elective

<table>
<thead>
<tr>
<th>Subject</th>
<th>Theory</th>
<th>Practical</th>
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<tbody>
<tr>
<td>Yoga / Spoken English</td>
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| Grand Total              | 800    | 640       |

Theory: 800 hours – 36 hours/weeks x 24 weeks
Practical: 640 hours – 36 hours/week x 17 weeks
Vacation/Holidays: 6 weeks
Preparation for the examination: 2 weeks
Examination: 3 weeks
Total: 52 weeks

---

### Second Year B.Sc Nursing – Duration I Academic Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>No. of hours</th>
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<tbody>
<tr>
<td><strong>Part I - Nursing II</strong></td>
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<tr>
<td>1. Medical Nursing</td>
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<td>2. Communicable Disease Nursing</td>
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<tr>
<td>3. Dermatological Nursing</td>
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<tr>
<td>4. Pathology</td>
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<td>5. Dietetics</td>
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<td>6. Pharmacology</td>
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<tr>
<td><strong>Part II - Nursing III</strong></td>
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<tr>
<td>1. Surgical Nursing</td>
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<td>2. Anesthesiology</td>
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<tr>
<td>3. O.R. Technique</td>
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<td>4. ENT Nursing</td>
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<td>5. Ophthalmic Nursing</td>
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<td><strong>Total</strong></td>
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<td><strong>Part III - Community Nursing</strong></td>
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<tr>
<td>1. Community Medicine</td>
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<td>2. Family Welfare</td>
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<td>3. Community Health Nursing</td>
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Theory – 36 hours/weeks – 13 weeks
Practical – 40 hours/weeks – 29 weeks
Preparation for the examination – 2 weeks
Examination – 2 weeks
Vacation / Holidays – 6 weeks
Total – 52 weeks
### Third Year B.Sc Nursing – Duration I Academic Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>No. of hours</th>
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<tbody>
<tr>
<td></td>
<td>Theory</td>
<td>Practical</td>
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<tr>
<td><strong>Part I – Nursing IV</strong></td>
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<tr>
<td>1. Advanced Medical – Surgical Nursing</td>
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<td>2. Mental Health Nursing</td>
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<td><strong>Practical</strong></td>
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<tr>
<td><strong>Examination</strong></td>
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<td><strong>Vacation / Holidays</strong></td>
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### Fourth Year B.Sc Nursing – Duration – I Academic Year

<table>
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<tbody>
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<td></td>
<td>Theory</td>
<td>Practical</td>
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<tr>
<td><strong>Part I – Nursing V</strong></td>
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<tr>
<td>1. Maternity Nursing</td>
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<td>2. Gynaecological Nursing</td>
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Theory: - 36 hours/week x 10 weeks  
Practical: - 40 hours/week x 32 weeks  
Preparation for examination: - 2 weeks  
Examination: - 2 weeks  
Vacation / Holidays: - 6 weeks  
Total: - 52 weeks
FOUR YEAR B.Sc DEGREE COURSE IN NURSING
SYLLABUS – FIRST YEAR
ANATOMY & HISTOLOGY

Placement: I Year B.Sc Nursing

Hours Allotted : 100 hrs
Theory : 80 hrs
Demonstration : 20hrs

AIM: The student identifies the concepts and fact of human anatomy and histology to facilitate learning physiology and related clinical Nursing subjects and shows beginning ability to apply these in giving comprehensive nursing care.

<table>
<thead>
<tr>
<th>Content</th>
<th>Laboratory</th>
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<tbody>
<tr>
<td><strong>Unit I</strong></td>
<td>Introduction and orientation to the course</td>
</tr>
</tbody>
</table>
| **Unit II** | Body as an integrated whole
Organisation of the body cells, tissues, organs, systems |
| | Demonstration of cavities and contents of a cadaver Cell-Tissues, Membranes, & glands, Basic knowledge of Preparation of slides of tissues |
| **Unit III** | Organisation of man as moving body |
| a) Bones: Examination of gross and Microscopic structure of bone |
| - Structure of Bones, - Classification, Sinuses and fontanels |
| b) Joints: formation and classification, Skeletal muscles, Major skeletal Structure |
| | Examination of a structure of joints on human cadaver, muscles study of gross and microscopic structure of skeletal muscles |
| **Unit IV** | a) The Heart structure, Blood vessels & Nerve supply |
| | Demonstration of Lymph vessels, nodes and spleen in a cadaver, study of the structure of the heart in a cadaver. Study of blood vessels in a cadaver. |
| b) Organs of respiration Structure |
| | Demonstration of respiratory system in a cadaver |
| c) Alimentary canal and the accessory organs |
| d) Organs of excretion: i) Urinary tract |
| ii) Skin |
| iii) Endocrine glands | Demonstration on human cadaver |
Unit V  Nervous system:  Demonstration of organs in a cadaver
  a) Brain
  b) Spinal Cord  Demonstration of slides for microscopic structure
  c) Autonomic nerves  Microscopic structure of nerve cells & fibres
    Organs of Special senses  Demonstration of the structure of eye & ear
  d)  
    i) Eye - structure
    ii) Ear -structure

Unit VI  Reproductive organs:  Demonstration on a cadaver, Microscopic structure of these organs
  structure of male reproductive & female reproductive organs

Reference:

3) Tortora Grabowski, Principles of Anatomy and Physiology 8th edn, Haifer Collins.
4) Kimber & Gray Text Book of Anatomy & Physiology C.V.Mosby c, St.Louis.
PHYSIOLOGY INCLUDING BIOCHEMISTRY

A. PHYSIOLOGY

Placement :  I Year

<table>
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<th>Hours Allotted</th>
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<tr>
<td>Biochemistry</td>
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AIM: The student identifies the concepts and principles of physiology of human body and apply these in giving comprehensive nursing care to the clients.

**Theory**  
**Demonstration**

**Unit I**  
Cell, Tissue, glands

**Unit II**  
Blood tissue, Fluid and Lymph

Functions of blood, composition of blood

- WBC Count variations Agranulocytosis Leukaemia, Platelets, Coagulation of Blood, Anticoagulants, Body fluids-Lymphatic Systems

**Unit III**  
Man as a moving organism, physiology of muscle contraction physiology of neuromuscular junction.

**Unit IV**  
Cardiovascular system, Physiological anatomy of heart and blood vessels, structure and properties of heart muscle, origin and spread of impulse cardiac cycles. Normal ECG, Heart sounds, Apex beat, venous pressure. Innervation of heart, cardiac output, Blood pressure normal and variations. Factors maintaining B.P., Hypotension, Hypertension. Arterial Pulse-sites, Blood supply of heart, coronary circulation systemic and pulmonary circulation

- Estimation of Hb, ESR, pH of Blood
- RBC count blood smear, WBC count

- Clotting time
- Bleeding time

- Blood grouping and cross matching

- Auscultation of heart sounds
Unit V
Respiratory system
Physiological anatomy, Mechanism of Respiration, Lung volumes and capacities, Pulmonary and alveolar respiration, Exchange of gases. Transport of gases, Hypoxia, Cyanosis, Respiratory patterns – Variations, abnormal patterns, Artificial respiration.

Unit VI
Digestive system
Physiological anatomy, Digestion in the mouth. Deglutition, Digestion in the stomach, gastric movements. Digestion in the intestine, Pancreatic Juice, Bile, liver, gall bladder & Biliary system, Large intestine, intestinal juice Movement of intestine, Absorption of carbohydrates, proteins, fat water etc.

Unit VII
Endocrine System
Endocrine glands – Pituitary, Thyroid, Adrenal, Parathyroid, Endocrine, part of pancreas, Thymus gland, Function, Secretions Disorders, Prostate gland, sex hormone.

Unit VIII
Reproductive System – gonads
Male : Vas deferens-significance in Vasectomy, spermatogenesis – stages, factors influencing
Female : Ovary, puberty, menstruation, Placental hormones, Foetal circulation changes at birth, lactation.

Unit IX
Excretory system
Functions of Kidney
Formation of urine, Acid base balance, Impaired renal function, glomerular filtration, tubular reabsorption, secretion.
Skin functions

Unit X
Nervous system
Neuron Receptors, Spinal cord, Reflex action, Sensory pathways, Motor system – cerebral Cortex and hemispheres, fluid hemispheres, cerebrospinal fluid, Autonomic nervous system, Cerebral circulation
Unit XI
Special Senses
Physiology of vision, Abnormalities – Refractive errors, Physiology of Hearing, Hearing impairment Nose- olfaction, Tongue- gustation Skin-Tactile.

B. BIOCHEMISTRY – 20 hrs.

Unit I
Human cell protoplasm, Chemistry of Protoplasm, osmosis, diffusion, filtration, Dialysis

Unit II
Man’s internal environment Homeostasis – Meaning, Maintenance, Blood Chemistry Coagulation of Blood, Plasmolysis, Reaction of blood, Acidosis, Alkalosis.

Unit III
Chemistry of food
- Enzymes – definition, classifications, factors affecting, enzyme reaction.

Unit IV
Biochemical investigations
Fractional Test meal, Augmented Histamine test, Liver function test. Blood tests for sugar, urea and electrolytes.
Arterial blood gas analysis
Urine analysis :- Sugar
              Albumin
              Acetone
              Bile

C.S.F. Analysis

Unit V
Clinical Biochemistry, Inborn errors of metabolism

References:
1. Chatterjee C C – Human Physiology, Vol. I & II Medical allied agencies, Calcutta
2. Gyton Text Book of Medical Physiology, 9th edn. W.B.Saunders, Philadelphia
3. Chowdhari, Concise Medical Physiology 9th edn. W.B. Saunders, Philadelphia
4. Mahapatra Choudhari, Text Book of Physiology S Chand & Co
### MICROBIOLOGY

**Placement:** I Year  
**Hours Allotted:**  
- Theory: 50 hrs  
- Demonstration: 10 hrs

**AIM:** The student identifies the microorganisms and their characteristics and apply the principles of Microbiology in Nursing Practice in the hospital and community and in the prevention and control of diseases.

<table>
<thead>
<tr>
<th>Theory</th>
<th>Labwork</th>
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</thead>
<tbody>
<tr>
<td><strong>Unit I</strong></td>
<td>Introduction, historical review</td>
</tr>
</tbody>
</table>
| **Unit II** | Classification of micro-organisms  
Morphology, Physiology |
| **Unit III** | Laboratory methods of study of bacteria |
| **Unit IV** | Infection & immunity, infection process  
Cycle  
Local and systemic effects of infection  
Virulence of Bacterial, Bacterial toxins |
| **Unit V** | Immunity types-  
Non specific defense  
Mechanisms, Natural Immunity, Artificial immunity, Hypersensitivity |
| **Unit VI** | Normal Microbial Flora of man |
| **Unit VII** | Pathogenic organism – Pathogenic cocci,  
Gram Positive rods – Enterobacteria,  
Vibrio, Pseudomonas, Hemophilus,  
Bordetella, Brucella, Mycobacterium,  
Spirochetes, Rickettsiae, Chlamydia,  
Viruses, Fungi |
| **Unit VIII** | Cross Infection |
| **Unit IX** | Collection of specimens for Laboratory Examination |
| **Unit IX** | Asepsis  
Disinfection, Sterilization |
| **Unit IX** | Preparation of slides from cultures and their examination |
| **Unit IX** | Culture of Micro-organisms from materials and Patients |
| **Unit IX** | Demonstration of disinfectants and methods of sterilization, culture of swabs from hand before and after surgical scrubbing |
| **Unit IX** | Demonstration of methods of collecting specimens of blood, urine, stool, sputum, |
Body discharges

Unit X
Bacteriology of Air, Milk, Water & Food

Unit XI
Elementary Parasitology – Protozoa, Helminthes

Microscopic examination of infected blood, stools etc. to show parasites

References:


2. Collee etal, Practical Medical Microbiology, 13th edition, Churchill Livingstone, Newyork

3. Microbiology in Clinical Practice by Shanson 1997
GENERAL PSYCHOLOGY

Placement: I Year
Hours Allotted: 60 hrs

Objective

The course is designed to help the nursing students to recognize the principles of behaviour and mental process, their biological and social bases, psychological determinants of illness, mental health, stress and all other currently relevant concepts of psychology. It would enable them to broaden their psychological base and create positive attitude towards co-workers and patients and thus to ensure efficiency and success in their personal and professional life.

UNIT I
Introductory Psychology


2. Methods of Psychology: Define explain and list various methods of psychology with their merits and demerits, introspection, observation, experimental method, correlation, case study, survey, clinical, psychological tests, interview, rating scales.

UNIT II
Biological base of Behaviour


4. Brain and Behaviour: Central nervous system and behaviour, peripheral nervous system and behaviour, spinal cord and behaviour.

5. Muscular and Glandular Controls of Behaviour: Effect of various muscles on behaviour, effects of hormones on behaviours, genetics and behaviour.


UNIT III – COGNITIVE PROCESSES

7. Attention and Perception
   a) Attention: definition types of attention, determinants of attention, states of consciousness, application
   b) Perception: definition principles of perceptual organisation, perceptual constancies, factors affecting perception, errors in perception – illusions, hallucinations.

8. Learning
Definition, types of learning: classical conditioning, instrumental learning, operant learning, observational learning, cognitive learning, social learning, factors influencing learning, transfer of learning. Applications: development of habits, study habit and skills.

9. Memory

10. Thinking
Definition, building blocks of thoughts, types of thinking: reasoning, problem solving, decision making and creative thinking, concept formation.

11. Intelligence
Definition, classification of IQ, Mental retardation, theories of intelligence. Measurement of intelligence, aptitude and aptitude tests, emotional intelligence.

UNIT IV – MOTIVATIONAL AND EMOTIONAL PROCESSES
12. Motivation
Definition, types of motives: Physiological motives, social motives, personal motives, and unconscious motives, theories of motivation, motives and behaviour.

13. Emotion
Definition, components of emotion, changes in emotion, theories of emotion, emotions and health.

14. Personality
Definition, development of personality, determinants of personality, theories of personality, assessment of personality.

15. Psychological Testing
Definition, principles of psychological testing, types of psychological tests, uses of psychological tests.

UNIT V MENTAL HEALTH
16. Human Development
Normal development, developmental stages and its significance in mental health, importance of heredity and environment.

17. Stress and Coping Behaviour
Definition, sources of stress, responses to stress, coping with stress, stress management techniques, pressure, and adjustment.
18. **Mental Health**
   Definition, foundation of mental health characteristic of mental health, frustration, types of conflicts, defense mechanisms, guidance and counseling.

19. **Mental Disorders**
   Misconceptions of mental illness, broad classification of mental disorders, treatment of mental disorders.

UNIT VI - GROUP AND SOCIAL PROCESSES

20. **Group and Leadership**
   Groups: Importance of Groups and Group Dynamics, Factors facilitating group formation, types of groups, Group Morale.
   Leadership: Importance of Leadership, Leadership Qualities.
   Attitudes: Components of Attitudes, Formation of Attitudes, Functions of Attitudes, Attitude change.
   Values: Definition Its importance Social perception: Bias in Social perception, Development of Perceptual Skills.

References:-
   Razeena Viswambaran (IMS) Text Book of Psychology for Health Professionals.
SOCIOLOGY
Placement: I Year       Hours Allotted: 50 hrs.

AIM: The Student recognizes the evolution and function of the society, individuals and families as essential factors of the community and applies the concepts and principles of sociology in their day-to-day personal and professional contacts.

I. Introduction to Sociology:
   i) Definition, concept and scope, inter-relationship with other social sciences. Significance of the study for the nurse.
   ii) Sociological concepts – society, community, association, organisation and institutions.

II. Social Groups:
   Types of social group – primary and secondary group significance of the study of social groups in patient care and community health, leadership in social group.

III. Culture and Personality:
   Culture – Meaning, nature characteristics, culture and health favourable and unfavourable factors; cultural integrations, cultural diffusion, social norms, folk ways, more and law ethnocentrism and culture and personality

IV. Social institutions
   Family – characteristics, types, function of family in health and disease. Family Disorganisation – Significance of the study of family to a nurse, Relation of medicine to other important social institutions such as religion. Hospital as a social institution

V. Community
   a) Characteristics and functions of a modern community.
   b) A comparative study of rural and urban life with particular emphasis on health aspects.

VI. Social Problems: Social Aspects of illness:
   a) The individual’s sickness from the physical, psychological and occupational stand points, patient as a member of the family and community, social aspects associated with acute and chronic illness and communicable diseases, problems of rehabilitation.
   b) Social problems – Juvenile Delinquency, Alcoholism, Drug dependence.
   c) Medico – Social Services
   d) Medico – Social problems of Adolescence & old age
   e) Role of sociologists in Medicine & Community

VII. Social planning and social change:
   a) Social changes: factors influencing
   b) Social planning: Community Organisation, Community Development Programme and Panchayat Raj

VIII. Social Security measures in India:

Text Book:
References

1. Lemmon, Mary, Isidore Sociology and Social Problems in Nursing (Latest Edn) C.V.Company St.Louis.
2. Vatsyayan Principles of Sociology.
3. Venkataratnam R. Medical Sociology in an Indian setting (1st edn.) Mc Millan Company in India Ltd.
INTRODUCTION TO COMMUNITY HEALTH

Placement: I Year

Hours allotted:
- Theory: 70 hrs
- Practical: 120 hrs
(Observation visit)

Course Description

This course is designed to orient the students the concepts of positive health and its relation to successful living. It also include personal and environmental factors that contribute to healthy living. It focuses on the importance of public health and explain the levels of prevention and emerging trends in health care delivery system. It helps to identify various health agencies in National and International levels.

Course Objectives

On Completion of the course the student

1. Identifies the concepts of health and disease.
2. Recognizes the significance of positive health in successful living.
3. Identifies the personal and environmental factors that contribute to healthy living.
4. Applies the knowledge and concepts in the creation and maintenance of a safe environment.

UNIT I - Introduction

Concepts of Health and disease.
Modern concepts and definitions – Community Medicine Social Medicine and Community Health.

Indicators of health, determinants of health, Natural history of disease – factors in disease causation.

Classification of diseases.
Levels of prevention.

UNIT II

Maintenance of personal health – physical, mental, social and spiritual.
Regular health examination.
Protective Immunization
Menstrual hygiene.

UNIT III

Primary health care
Definition, Components, Principles

UNIT IV

Health and Environment
Factors contributing to health:-
   a) Water: Sources, pollution and purification, Rural and urban water supply, standards of purity, water-borne diseases.
b) Air and ventilation, Importance of ventilation, systems to ventilation, air pollution and purification of air, prevention and control of air-borne diseases.

c) Housing – selection of site, construction of house, household sanitation.

d) Disposal of human excreta

e) Disposal of refuse

f) Disposal of dead

g) Noise

h) Humidity

i) Lighting

j) Radiation

Responsibility of the nurse towards the creation and maintenance of a safe environment.

UNIT V

Food hygiene.

Food sanitation – milk, meat, fish, egg, vegetables, fruits etc, sanitation of eating places.

Food borne diseases, food poisoning

Food adulteration

UNIT VI

Community resources for health and welfare – Primary health center, Panchayat, Block development office, Anganwadi etc.

Voluntary health agencies.

International health agencies

Practical Experience:

It includes planned visit to water purification plant, Diary farm, Primary Health Centre, Block development office, Panchayat office, Mahilasamaj etc. Sewage disposal, Orimotom, Slaughter House.

Text Book


References:


NUTRITION

Placement: I Year

Hours allotted:
Theory : 50 hrs.
Practical : 20 hrs.

AIM:
This course is designed to introduce the students to the basic concepts and principles of normal nutrition. Students are to learn about the nutritional requirements of the people at various age levels, plan balanced diet for them and attain beginning skill in the preparations and serving of specified food items.

UNIT I - Introduction
Nutrition and its relation to health

UNIT II – Classification of foods
The nutrients – carbohydrates, fats proteins, minerals, vitamin and water – composition, Functions in the body requirement and dietary sources, metabolism and storage effects of deficiency on health.

UNIT III – Energy requirement
Metabolism and body needs, influence of age, body size, sex, occupation.

UNIT IV – Meal planning to meet recommended allowances:
Budgeting, Selection, Purchasing of food, factors influencing-income, number, age and Occupation of family members, cultural food patterns, religious practices, balanced diet, improved diet for lower income groups.

UNIT V – Nutrition needs of special group
1. Pregnant and nursing mothers
2. Infants and children
3. Adolescents
4. Manual labourers

UNIT VI
Preservation and storage of food, methods with a special emphasis to home situation.

PRACTICALS (20 hrs) – Laboratory Exercises
Cooking and serving – general principles – methods of cooking.
Preparations:
1. Cereal preparation
2. Beverage, coffee, tea, fruit, juices
3. Egg preparations
4. Fruit and vegetable preparations
5. Weaning foods – Ragi porridge, banana, mashed fruits and vegetables, 
   Vegetable juice, groundnut milk
6. Balanced diets

Practical experience in normal nutrition will be provided for each student in the 
hostel/hospital mess for period of one week during the course. Meal planning, Budgeting, 
Purchase, Storage, Preservation, Nutritional assessment.

Text Book:

1. Mudembi, Sumathi R. and Rajagopal M.V Fundamentals of Foods & Nutrition, 
   Wiley eastern limited, Calcutta.
2. Sastri Ram, Gopalan G. and Balasubramaniam, Nutritive value of Indian Foods, 
   National Institute of Nutrition, I.C.M.R.Hyderabad.

References:

1. Swaminathan M. Hand Book of Food and Nutrition, Bangalore Printing and 
   Publishing Company Limited, Bangalore.
2. Begeri, Briggs and Calloway, Nutrition and Physical Fitness, W.B Sounders 
   Co., London.
5. Raheena Khader.
OBJECTIVES

On completion of the course the student:

1. Explains the basic concepts and principles guiding nursing activities.
2. Identifies the basic needs and problems of clients and plans and provides comprehensive nursing care using Nursing process approach.
3. Demonstrate technical competency in the practice of basic nursing Techniques based on scientific principles.
4. Develops skills in communication and maintains good interpersonal, Professional and interprofessional relations.
5. Develops a desirable attitude to the profession and upholds the ethical standards of the profession.
6. Applies the principles of first and in accidents and emergency situations.

UNIT I – Nursing as a profession

(A) Introduction – Definition

(a) Development of nursing as a professional in India and abroad.
(b) History and trends in nursing.
(c) Profession and its characteristics.
(d) Qualities of professional nurse.
(e) Roles and functions of a nurse – current and emerging roles.
(f) Scope of nursing
(g) Levels and setting of nursing practice
(h) Professional nursing organizations – national and international

(B) Concepts and theories in Nursing:

(i) Cure – care concept
(j) Patient centred approach
(k) Comprehensive nursing
(l) Holistic approach

Nursing theories – Florence Nightingale
Virginia Henderson
Dorothea Orem
Betty Newman
Sr.Calistra Roy
Faye Abdella
(C) Nursing ethics:

International code of ethics
Legal aspects in nursing

UNIT II

(a) Health and Illness:

Definition – Health and illness
Health – Illness continuum
Impact of illness on client and family
Stages of illness – levels of prevention
Health care team – role of nurse

(b) Hospital and environment:

Hospital – function, classification, Organisation.

(c) Therapeutic environment:

Safe and healthful environment for patients
Infection control – definition
Infection process cycle
Nosocomial infection

(d) Concept and practice of asepsis:

Medical and surgical asepsis Demonstration
Principles and methods Hand washing
Care and maintenance of articles Scrubbing
Disinfections & sterilization Gloving
Universal infection precaution Heading sterile articles
Isolation techniques

UNIT III

Communication and interpersonal relationship

(a) Communication, Definition, Types, Modes, Channels.

Barriers

Significance in nursing Role-play

(b) I.P.R – Principles and guidelines for effective nurse patient relationship.

Phases of NPR
Nurse – Health care team
Nurse – Patient
Nurse – Significant others of patients

(c) Patient education

Principles of health teaching
Incidental and planned teaching

(d) Documentation – Records and reports
UNIT IV – Health Assessment

(a) General concepts – definition purposes
Components
Health history
Physical examination – System-wise examination Methods and techniques
Inspection, Palpation Percussion, auscultation, Positions
used for physical examination.
Nurse’s role.

UNIT V – Nursing Process:

Definitions, historic development
Steps – Assessment, Nursing Diagnosis, Planning, Implementation.
Evaluation, Documentation.

UNIT VI – Body Mechanics:

Definition, Principles Protective
Demonstration Protective
Positions, Good body alignment positions Supine, side lying Prone,
Turning, lifting and transferring Semi prone Fowler’s position
of patient.

UNIT VII – Patient in the hospital:

Admission of patients
Problems of hospitalised patients.
Care of patients unit.
Principles of bed making-Types of bed
Comfort devices – bed rest demonstration
Foot rest, over bed table
Discharge and transfer of patients
Maintaining registers

UNIT VIII – Assessment of Vital Signs

Monitoring vital signs – Temperature, Pulse, Respiration & BP
Significance
Normal temperature – factors influencing regulation of Temperature,
temperature variations – hyperthermia hypothermia.
Pyrexia – types of fever Taking and recording of
Nursing Management of Temperature Pulse
patient with fever respiration & BP

Temperature monitoring- oral, axilla, rectum Principles and techniques
Normal Pulse – Sites of taking pulse, factors influencing variations of pulse.
Characteristics – rate, rhythm, volume, tension, tachycardia, bradycardia,
pulse deficit
Nursing intervention
Normal respiration – variation – apnoea, dyspnoea
Abnormal patterns of respiration

Nursing care of patients with dyspnoea
Blood Pressure – normal, variation, factors influencing, hypertension, hypotension, principles and techniques of BP measuring.

UNIT IX – Assisting with diagnostic measures:

Collection of specimens: Blood
Urine
Sputum
Stool
C.S.F
Role of nurse

UNIT X - Human needs in health and disease

Basic human needs, (review)
Needs / Problems

(a) Care of clients with alteration in self care:

Self care – importance
Self care deficit – interventions
Principles and techniques of
Maintaining oral hygiene
Hygiene of skin, eye, scalp
Decubitus ulcer – causes, prevention and nursing management.

(b) Alteration in nutrition:

Nutritional assessment
Factors influencing food intake
Variations- nausea, vomiting, flatulence
Nursing interventions
Principles and methods of feeding-oral, parenteral
Oesophageal and intra-gastric
Gastrostomy
Fluid and electrolyte imbalance
Nursing interventions

(c) Alteration in elimination

1. Bladder elimination
   Normal urination variation
   Urinary retention, incontinence
   Nursing interventions
   Continuous bladder drainage
   Bladder irrigation
   Condon drainage
   Catherization of urinary bladder
   Principles and techniques
2. Bowel elimination – definition of terms, variations  
   Faecal impaction, constipation, diarrhoea  
   Nursing interventions  
   Enema – types, principles and methods  
   Bowel was – principles and methods

(d) Alternation in rest and sleep: 
   Definition, sleep patterns  
   Sleep disturbances – nursing intervention  
   Promoting rest and sleep – nurse’s role  
   Management of pain – nursing intervention

(e) Impaired mobility: 
   Immobility – causes, hazards  
   Psychological implications  
   Prevention of complications turning, lifting  
   -foot drop, wrist drop, contractures transferring  
   Exercises – types, benefits  
   ROM exercises - ROM exercises  
   Active and Passive  
   Isometric and resistive

Ambulation preparing for Ambulation  
Training for activities of daily living  
Ambulatory aids – crutches, wheel chair  
Assisting to walk assisting to get out of bed.

(f) Alteration in sensory perceptual function: 
   Altered sensorium – assessment  
   Nursing care of unconscious patients

UNIT XI – Administration of therapeutic agents:  
(a) Administration of drugs  
   Weights and measures of drugs  
   Classification of drugs  
   Actions, dosage, side effects, precaution & nursing implication of commonly administered drugs. Calculation of dosage, storage and safety measures  
   Routes of administration – methods, principles  
   Oral administration.  
   Parenteral – injection – hypodermic, Intra muscular, Intra venous, Intrathecal Infusion  
   Inhalation – types, principles and methods Steam medicated  
   Instillation inhalation

(b) Oxygen administration – indications, principles, methods, precautions, nurse’s role.
(c) Blood transfusion – indications, blood grouping & cross matching, principles and techniques, complications and nurse’s role.

UNIT XII – Therapeutic uses of heat and cold:-

General principles
Hot applications - effect on the body
Classification – hot water bag
Infra – red therapy
Fomentation
Sitz bath
Hypo and hyperthermic measures

Cold applications - Cold compress, Ice cap
Tepid sponge

UNIT XIII – Rehabilitation:
Definitions, concepts, types, role of nurse.

UNIT XIV – Divertional and spiritual needs:
Assessment of spiritual and divertional needs Spiritual care
Divertional activities – Relaxation techniques. Yoga and reading

UNIT XV – Care of terminally ill patients:
Assessment
Stage of dying – rigor mortis
Grief and grieving
Care of body after death

FIRST AID – 20 hrs.

a) Introduction, Historical background
Definitions. Golden rules of first aid
Qualities of a first aider.
Demonstration of first aid kit

b) First aid in respiratory and circulatory emergencies.
Asphyxia, syncope, wounds, haemorrhage
Shock, cardiac arrest CPR
CPR demonstration

CPR demonstration

Application of splints
and bandages

c) Fractures and dislocation types of fractures, Immobilisation, managing head injuries and Spinal injuries, shifting of patients.

d) Bandages and – slings principles, types

e) First aid in Burns, Scalds, sunstroke, frost bite, snake bite, dog bite, poisoning – food poisoning, organophosphorus poisoning foreign body in the eye, ear, nose & throat
References:


FUNDAMENTALS OF COMPUTER PROGRAMMING AND APPLICATION

Placement: I Year

AIM

The student identifies the concepts and facts of computer programming and develops ability in the application of computer in health, education, training and administration.

UNIT I – Computer fundamentals:


UNIT II – Operating System:


UNIT III – MS Word:


UNIT IV

Control statement – variables – Functions
File processing in basic

UNIT V

Internet, E-mailing and Faxing, Printing.

UNIT VI

Application of computer in Health, Education, Training and Administration.
II YEAR

MEDICAL NURSING INCLUDING PHARMACOLOGY

Placement: II Year

Hours Allotted:

<table>
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<tr>
<th>Course</th>
<th>Theory (Hrs)</th>
<th>Practical (Hrs)</th>
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</thead>
<tbody>
<tr>
<td>1. Medical Nursing</td>
<td>100</td>
<td>320</td>
</tr>
<tr>
<td>2. Communicable Disease Nursing</td>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>3. Dermatological Nursing</td>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>4. Pathology</td>
<td>20</td>
<td>-</td>
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<tr>
<td>5. Dietetics</td>
<td>20</td>
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<tr>
<td>6. Pharmacology</td>
<td>30</td>
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</tbody>
</table>

AIM

On completion of the course, the student identifies the aetiology, pathophysiology, symptomatology, diagnostic measures, course, and management of patients suffering from common Medical, Communicable and Dermatological diseases and plans and provides comprehensive nursing care to such patients.

Clinical facilities

Medical, Dermatology and Infectious diseases units of the affiliated hospitals.

**Ext. Lecture 25 hrs.**

I. Introduction

- Development of Medicine, Concept of Disease Causes,
- Classification, Effects and preventive measures
- General Physical Assessment.

**Int. Lecturer 75 hrs**

- Review of Nursing process
- Fluid and electrolyte balance,
- Acid-base balance.

II. Respiratory System

- A. Current diagnostic measures
- B. Management of patient
  - With Bronchitis,
  - Bronchiectasis
  - Bronchial asthma,
  - Emphysema
  - Diseases of the Pleura,
  - Pulm. Embolism, COPD
  - Corpulmonale, empyema
  - Lung abscess, Tuberculosis
  - Respiratory failure. ARDS
- B. Respiratory therapies
- C. Nursing Management of
  - of patient with COPD,
  - Resp. Failure, Emphysema
  - Diseases of the Pleura.
  - Cor pulmonale, lung abscess, ARDS, Tuberculosis,
  - Respiratory failure

III. Cardio Vascular

- A. Diagnostic measures
- A. Nurses responsibilities
System related to CVS Normal ECG related to the diagnostic procedures of Cardiovascular system.

B. Management of patient’s With CAD, CCF, RHD, Hypertension

B. Nursing management of Patients with CAD, CCF, RHD, Hypertension

IV. Haematology A. Diagnostic Measures

IV. Haematology A. Nurse’s role in common diagnostic procedure.

B. Management of patients With Anaemia, Leukaemia, Lymphomas, Multiple Myeloma, Haemophilia, Deep Vein Thrombosis

B. Nursing Management of patients with Anaemia Leukaemia, lymphomas, Multiple myelomas, DVT, Haemophilia

V. Gastrointestinal A. Diagnostic measures

V. Gastrointestinal A. Nurses role in common System diagnostic measures.

B. Management of patients With diseases of the Mouth, oesophagitis,APD Inflammatory bowel diseases, Viral hepatitis cirrhosis of the Liver, hepatic failure, Cholecystitis, pancreatitis ,Gastritis

B. Nursing Management of patient with diseases of the Mouth, oesophagitis, gastritis, APD, Inflammatory bowel diseases, viral hepatitis cirrhosis of the liver, hepatic failure, cholecystitis, Pancreatitis

VI. Urinary System

A. Diagnostic measures

A. Nurses role in Diagnostic measures.

B. Management of patients With UTI,nephritis, Nephritic syndrome, Renal failure

B. Nursing management of patients with U.T.I. Renal failure,nephritis Nephrotic syndrome

VII. CNS

A. Common diagnostic Measures.

A. Nursing role diagnostic measures


B. Nursing management of patients with headache, migraine,convulsion, unconsciousness,CVA encephalitis,GBS, Myasthenia gravis Parkinsonism
VIII. Endocrine System

A. Common diagnostic measures
B. Management of patients with Diseases of the thyroid gland, Diabetes mellitus, Diabetes Insipidus, Addison’s disease, Cushing syndrome, Acromegaly

A. Nurse’s role in diagnostic measures
B. Nursing Management of patients with diseases of thyroid gland, DM Diabetes insipidus Addison’s disease, Cushing syndrome, acromegaly

IX. Musculoskeletal System

A. Diagnostic Measures
B. Management of patients With osteomalacia, osteomyelitis Osteoporosis, Gout, SLE, Arthritis

A. Nurses role in diagnostic procedures
B. Nursing management of patients with gout, SLE, osteomalacia, Osteoporosis, Osteomyelitis, arthritis.

X. Other Medical Condition

Poisoning, Snakebite allergy and Hypersensitivity, anaphylactic Shock, multisystem failure

Nursing management of patients with poisoning, snakebite, anaphylactic shock

XI. Emergency Nursing

- Definition
- Principles of emergency
- Management Emergency
- Resuscitation measures.
- Nurses role in emergency

XII. Care of the elderly

Aging – definition, types, theories Changes associated with Aging – Physical, Psychosocial, intellectual & spiritual. Health problems of the aged Nursing management of the elderly.

XIII. Communicable Diseases

(Specialist 10 hrs)

A. Bacterial infections, gas gangrene, Typhoid, acute diarrhoeal diseases Plague, Tetanus

B. Viral infections Hepatitis

(Nursing Faculty 10 hrs)

A. Review of infection process cycle, cholera, cross infection weils disease, isolation Precautions

B. Nursing care of patients with
Japanese encephalitis, AIDS
Rabies

Tetanus, Typhoid, Cholera, a/c diarrhoeal diseases, Plague, weils disease, Hepatitis, Rabies, AIDS, Malaria, Amoebic dysentery, Helminthiasis, denguefever, Japanese encephalitis.

C. Infections caused by Protozoa, Rickettsiae, Helminths

C. Role of the nurse in the prevention of communicable Diseases

D. Emerging diseases

XIV. Dermatology & Venereology

1. Common skin diseases – epidemiology
2. Diagnostic tests used in skin diseases and STDs
3. Nutritional deficiencies and diseases of the skin
4. Bacterial infection of the skin – Pyoderma
5. Viral infections
6. Fungal infections – Tinea, dandieisis
7. Parasitic infestation
8. Disorders of Keratinisation
9. ECZEMAs
10. Dermatoses – Pemphigus
12. Vascular lesions – Erythema, Urticaria & purpura
13. Connective tissue disorders – Lupus erythmatosus, dermatomyositis, Scleroderma
14. Disorders of nail and hair
15. Acne Vulgaris
16. Disorders of pigmentation – vitiligo, albinism, Leucoderma, hypermelanosis
17. Genodermatoses
18. Sun burn, drug reaction
19. Skin lesions in systemic diseases
20. Tumours of the skin
21. Sexually transmitted diseases – syphilis, gonorrhoea, Chancroid, Lymphogranuloma venereum inguinals, herpes genitalis, Trichomoniasis, genital warts, AIDS.
PHARMACOLOGY
Hours Allotted: 30 hrs

I. General Pharmacology
   Introduction & Definitions, Routes of administration source of drug and weight & measures and preparation of solution & powder.

II. Systemic Pharmacology
   (a) Classification
   (b) Mechanism in brief
   (c) Commonly used drugs – uses, side effects, dosage schedule.

1. Autonomous Nervous System
   Cholinergic drug & treatment of glaucoma, Anticholinergic drugs, Adrenergic Drugs, Adrenergic drugs, Anti Adrenergic drug (a & b blockers)

2. Central Nervous System
   NSAIDs & treatment of gout, Opioid drugs, Sedatives & hypnotics, Antiepileptic, Antipsychotic, Antidepressant, Lithium, General Anaesthetic, Local anaesthetic & Preanaesthetic medication. Skeletal Muscle relaxants, Drugs used in Parkinsonism.

3. Cardio Vascular System
   Digitalis & Cardiac glycosides, Calcium Channel blockers, ACE inhibitors, Antihypertensives, Antianginals, Management of shock, Diuretics.

4. Blood
   Anticogulants & coagulants, Antiplatelets & Fabrinolytics, Haematinics (Iron, folic acid,B12)

5. Respiratory System
   Antitussives, Expectorants, Drugs for bronchial asthma

6. Gastro Intestinal system
   Antiemetic, Prokinetic drugs, Drugs used in diarrhoea & constipation, drugs Used in peptic ulcer.

7. Endocrinology
   Drugs for Diabetes Mellitus, Adrenocorticosteroids, Thyroid & drugs, Sexual hormones, contraceptives, Ovulation inducers, Drug acting on uterus.

8. Antibiotics & Chemotherapeutics
Bibliography

2. Smeltzer and Bare – Brunner and Suddarth’s Text book of Medical Surgical Nursing – Philadelphia: Lippincott.
4. Lowis, Collier and Hertkemper Medical Surgical Nursing St.Louis; Mosby.
5. Krishna Das, Text Book of medicine, New Delhi, Jaypee brothers.
7. Dwidedi, Premalatha, Communicable Diseases – Magpur, Anantaparakshan
PATHOLOGY

Placement II Year

AIM

The student reorganizes the significance and manifestations and abnormal lab – results as effect of pathological process in body and makes use of this knowledge and observation in planning and providing total care to the patient.

UNIT I – Introduction:

Inflammation and repair, cell injury, Disturbances of body water and electrolytes, Infections, Immunological diseases, Genetics, Nutritional disorders, Neoplasia, Circulatory disturbances.

UNIT II – C.V.S., C.N.S. Respiratory system, Liver, Gall bladder:

Urinary system, Reproductive system, male genital system and soft tissues: female genital system, brain, breast bones, Joints, mouth, Jaw, throat, neck, Reticulo Endothelial system, spleen and Lymph node.

UNIT III – Haemopoetic System:

Introduction
Anaemias, W.B.C.disorders,
Platelet disorders, Coagulation Disorders.

UNIT IV – Histopathology Techniques:

Blood bank methods, cytology
Practicals – Blood examinations
Routine urine analysis.

References

2. Smith – La, Microbiology and pathology, The C.V.Mosby Company St.Louis
3. Morse, M.E.Samer, M.L. & Godale, R.H.Microbiology and Pathology for Nurses Saunders Co. St.Louis
DIETETICS

Placement: II Year

Hours allotted
Theory : 20 hrs.
Practical : 10 hrs.

AIM
The student identifies the importance of therapeutic diet for the relief of diseases in patients and makes use of the concepts and principles of therapeutic diet in providing comprehensive care the ill, ill nourished or malnourished.

UNIT

I. Introduction – Normal Nutrition, Cultural and Psychological factors in feeding patients.
II. Therapeutic Adoption of Normal diet.
III. Nutritional deficiencies, Diets in various deficiency diseases.
IV. Over-weight and Under – weight, Low and High calorie diets.
VI. Diet in Cardio – Vascular Diseases, Sodium restricted Diet, Low cholesterol diet.
VII. Diet in kidney diseases, low protein diet, low cholesterol diet.
VIII. Diet in diseases of the gastrointestinal system, fluid and soft diet, Fat free
IX. Diet, High and low residue diet.
X. Diet in diseases of the nervous system – ketogenic diet
XI. Feeding the long term and chronically ill patient
XII. Diet in diseases of Musculo – Skeletal system – low protein diet
XIII. Diet in allergic and skin disturbances
XIV. Diet in children’s diseases.

Text Book


References

2. Davidson Passmore and Brock, Human Nutrition and Dietetics. The English Language Book Society Livingstone.
SURGICAL NURSING

Hours Allotted:

<table>
<thead>
<tr>
<th>Theory – Total</th>
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<tr>
<td>Surgeon</td>
<td>Surgical Wards</td>
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<td>- 20 hrs.</td>
<td>- 320 hrs.</td>
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<td>Anaesthesiologist</td>
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<td>- 5 hrs.</td>
<td>- 120 hrs.</td>
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<td>Urologist</td>
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<td>- 5 hrs.</td>
<td>- 440 hrs.</td>
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<tr>
<td>Orthopaedic Surgeon</td>
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<tr>
<td>- 5 hrs.</td>
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<td>Nursing faculty</td>
<td>85 hrs.</td>
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On completion of the course, the student identifies the aetiology, pathophysiology, clinical manifestations, diagnostic measures, course and management of patients with common surgical condition and plans and provides comprehensive care based on nursing process to such patients during preoperative, intra –operative and post-operative period.

Clinical Facilities

Surgical wards, Surgical ICU and operation theatre of affiliated hospitals.
Specialist – 35hrs
Nursing faculty-85hrs

I. Introduction

Development of Surgery, Infection, Abscess inflammation, Wound, Process of wound healing shock & Hemorrhages
Responsibilities of the nurses in Surgical ward and Surgical ICU General pre and post Operative nursing management

II. Respiratory System

Chest injuries, cancer of Respiratory Tract, Pneumonectomy, Lobectomy
Nursing care of patients with chest injuries, intercostals drainage; Lobectomy, Pneumonectomy

III. Cardio Vascular System

1. RHD, Closed heart surgeries- Mitral Valvotomy.
   1. Pre and post operative Management of patients undergoing closed heart surgeries-Mitral valvotomy
2. Surgical conditions of blood Vessels – TAO, Raynaud’s Peripheral Arterial – Aneurysm - Varicose vein
   2. Vascular surgical condition Nursing Management of patients with peripheral arterial occlusive disorders - Varicose veins

IV Gastrointestinal System

Lesions of oral Cavity
- Oral Cancers Glossectomy, Mandibulectomy Radical neck dissection Cahoesophagus, APD,
Pre and post operative management of patients with surgical condition of, mouth Ca.oesophagus,
Cancer of Stomach   APD
Gastrostomy,gastro   gastrectomy
- Jejunostomy   gastrostomy, appendix
gastro Gastrectomy   appendicectomy
Appendicitis   Intestinal obstruction
Intestinal obstruction   gastrojejunostomy
Ca. colon   AP resection,
Hemicolectomy   colostomy, Ileostomy
Colostomy, ileostomy   herniorraphy
AP Resection   Haemorrhoidectomy
Hernias   repairs of anal fissure
Haemorrhoids   and fistula
Anal fissure, Anal Fistula   liver abscess
Liver abscess   Cholecystectomy
Cholelithiasis   Splenectomy
Cholecystitis   Ca pancreas
Cholecystectomy
Pancreatitis
Ca. pancreas

V. Genitourinary System
Urinary tract obstruction   Diagnostic measure
Urolithiasis   KUB, IVP
Tumours of the Kidney   Cystoscopy
Nephrectomy   Cystography
Ca bladder   Urodynamic
Urinary diversion   measurements,
Nephrostomy   Nursing
Ca Penis   management
Reconstructive   of patients with
Surgeries of   urolithiasis
Urogenital tract   Nephrostomy
Hydrocoele, Varicocele   Nephrectomy
Prostatectomy   Prostatectomy
Torsion testes   Surprapubic
(Urologist 5 hrs)   cystostomy
Urinary diversion
Repair of hydrocoele

VI. Musculo Skeletal System
Osteomyelitis
Sprains, dislocations
Fracture
Plaster cast
Traction
Special points in the
Management of patients with
Fractures of specific sites,
Clavicle, Upper & Lower
Extremities, pelvis
| Bone tumours | Nursing care of patients with |
| Amputation | Fracture, plastercast, |
| Orthopaedic appliances | Traction |
| Arthroplasty | External fixation |
| Reconstructive | Internal fixation |
| Surgeries | Fracture of specific sites clavicle |
| | upper & lower extremities pelvis |
| | Amputation, |
| | Rehabilitation |
| | Reconstructive surgeries |

**VII. Nervous System**

- Increased ICP
- Head injuries, Trauma
- Care units, Brain abscess

Nursing care of patients with
- increased ICP
- Head injuries

**VIII. Miscellaneous Conditions**

- Benign breast diseases
- Cancer of breast
- Burns, Thyroidectomy

Nursing care of patients with
- Mastectomy
- Burns
- Thyroidectomy

**IX. Operating Room Technique**

- History of anaesthesia
- Types of anaesthesia
- Anaesthesia equipment
- Common anaesthetic agents
- Administration of anaesthesia
- Care of patient before during and after anaesthesia
- Hypothermia

A) Introduction to
- operation theatre
- Physical facilities
- hazards and safe guards
  (environmental, physical, chemical & biologic)
- Duties and responsibilities of nursing staff in the OT
- Review of Surgical asepsis
- Theatre – dress scrubbing
- Gowning gloving, sterilization
- And disinfection – instruments, Linen, equipment & operating room. (Preparation and packing)
- Surgical instruments
- Classification setting up of the Instruments Table
- Basic set for major and minor surgery, operating table and accessories specialized surgical equipment.
- Electrocautery diathermy laser,
- Endoscopy Microsurgery
- Ultrasonic surgery wound closure
Materials.
- Sutures and needles, surgical staples, Skin clips, Tissue adhesives, Tissue repair materials (Fascia, synthetic meshes) Tissue replacement materials (grafts)
(c) Positions and draping for various surgeries
(d) Care of the patient in the operating room before surgery during surgery, and after surgery.

References:
1. Smeltzer and Bare Brunner and Suddarth’s Textbook of Medical Surgical Nursing (Lat.ed) Philadelphia, Lippincott.
2. Lemone and Burke, Medical Surgical Nursing, California Addison Wesley Nursing.
4. Phipps Cassmeyer, Sands and Lehman, Medical – Surgical Nursing Concepts and Clinical practice, St.Louis Mosby.
5. Lewis, Collien and Hertkemper, Medical Surgical Nursing, St.Louis Mosby.
10. Atkinson and Fortunate Berry & Kohn’S Operating Room Technique (lat.Ed) St.Louis; Mosby.
13. Edythe Louis, Alexander, Operating Room Technique, St.Louis Mosby.
EYE AND ENT NURSING

Placement: II Year

Hours allotted
Theory : 50 hrs.
Practical : 120 hrs.

AIM

On completion of the course, the student recognizes the aetiology, pathophysiology, symptomatology, diagnostic measures and management of patients with common diseases of the eye, ear, nose and throat and plans and provides comprehensive during care to patients suffering from those diseases.

CLINICAL FACILITIES

OPD, wards and O.T. of EYE and E.N.T. departments

<table>
<thead>
<tr>
<th>Unit</th>
<th>Specialist</th>
<th>Nursing Faculty</th>
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<tbody>
<tr>
<td>Ophthalmology &amp; Ophthalmic Nursing</td>
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</table>

UNIT I

Introduction Review of Anatomy & Physiology - Examination of the Eye Nursing procedures in the care of patients with diseases of EYE Application of Topical Medications - Eye irrigation - Dressing

UNIT II

Disease conditions of EYE

- Refractive errors Nursing Management of patients with disease conditions of Eye.
- Cataract
- Glaucoma
- Infections & Inflammations
- Injuries
- Retinal detachment
- Squint
- Tumours

UNIT III

- Ophthalmic Surgeries Pre & Post operative nursing management of Patients undergoing eye Surgeries
- Corneal transplantation
- Causes and Prevention of blindness Special instruments used for eye surgeries
- Blindness control - Eye health
Programmes
- Review of drugs used in Ophthalmology
- Current trends in Ophthalmology
- Nurses role in prevention of blindness

<table>
<thead>
<tr>
<th>Unit</th>
<th>Ext. Lectures</th>
<th>Int. Lectures</th>
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<tr>
<td>E.N.T Diseases &amp; E.N.T. Nursing</td>
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<td><strong>UNIT I</strong></td>
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<tr>
<td>Diseases of Ear</td>
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<td>- Review of Anatomy &amp; Physiology</td>
<td>Ear hygiene, Nursing procedures in the care of patients with diseases of the ear</td>
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<tr>
<td>- Examination of EAR</td>
<td>Nursing management of Patients with common diseases of ear</td>
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<tr>
<td>- Diseases of External Ear – Foreign bodies Earwax infections</td>
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<tr>
<td>- Diseases of Middle Ear -otitis media, mastoiditis Otosclerosis</td>
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<tr>
<td>- Common surgeries of middle ear</td>
<td>Pre &amp; Post Operative management of patient undergoing ear surgeries</td>
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<tr>
<td>- Diseases of Inner Ear</td>
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<tr>
<td>- Meniere’s Disease, Labyrinthitis</td>
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<td>- Deafness – Causes &amp; Prevention, rehabilitation</td>
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<tr>
<td><strong>UNIT II</strong></td>
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<td>Diseases of Nose</td>
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<tr>
<td>- Review of Anatomy &amp; Physiology</td>
<td>Nursing management of patients with common disease conditions of nose</td>
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<tr>
<td>- Examination of Nose</td>
<td>Pre &amp; Postoperative management of patients undergoing nasal surgeries</td>
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<tr>
<td>- Foreign body, Injuries Epistaxis</td>
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<tr>
<td>- Deviated Nasal Septum Rhinitis</td>
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<tr>
<td>- Nasal polyp Sinusitis</td>
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</table>
UNIT III
Diseases of Throat

- Review of Anatomy & Physiology
- Examination of Throat
- Foreign bodies & Injuries
- Pharyngitis
- Tonsillitis
- Adenoiditis
- Laryngitis
- Ca. larynx
- Surgeries of the Throat
  Tonsillectomy
  Adenoidectomy
  Tracheostomy
  Laryngectomy
- Current trends in the treatment of diseases of Nose & Throat

Nursing care of patients with diseases of Throat Pre & Post operative
Management of patients undergoing Surgeries of throat
Tonsillectomy & Tracheostomy
Laryngectomy
- Special Instruments used for surgeries of the Ear, Nose & Throat

Reference:

5. Darling & Thurpe, Ophthalmic Nursing, ELBS/Tindall
COMMUNITY HEALTH NURSING – I

Placement: II Year                      Hours allotted:

AIM OF THE COURSE
This course is designed to familiarize the students with various concepts and Principles of Community Health and Community Health Nursing and enable the students to identify the different measures towards prevention of disease and promotion of health. It also emphasises the preventive aspects in patient care and incorporates the different concepts of prevention in their clinical practices either in the hospital or community. It also focuses on the different concepts and principles of family welfare, which is essential to the education in various settings.

Course Objectives:

On completion or the course students

1. Identify the concepts, philosophy and principles of Community Health Nursing.
2. Discuss the five-year plans, recommendations of the various committees and its influence in the health care system.
3. Explain the health care delivery system in the country.
4. Apply the Principles of Health education to input health education to individual, family & Community.
5. Identify the epidemiological concepts in the study of health & diseases.
7. Recognizes the health legislation system in India.
8. Identify the concepts of Demography, demographic trends and population problems.
9. Utilise the knowledge of vital statistics in the community Health Nursing Practice.
10. Explain the concepts and Principles of Family welfare and Participate in the Family Welfare Programs.

SECTION A

UNIT I - Introduction to Community Health Nursing
Concepts of community Health and community health Nursing Origin and Development of Community health Nursing in different parts of the world and in India.

- Principles of Community Health Nursing
- Educational Qualification, and Qualities and functions of community Health Nurse.
- Legal and ethical aspects in Community Health Nursing
- Teamwork and public relations.

UNIT II - Health Care System in India + Health Planning
Five year plans

Various Committees and its recommendations:
UNIT III – Health Education

- Definition, aims scope
- Concepts and principles of Health Education

Health education and Propaganda
Communication in Health education
- Channel
- Methods
- Barriers

- Audio-visual Aids
- Definition, Significance
- Classification
- Preparation of Simple A.V Aids
- Practice of Health education at different levels
- Methods and medias used for health individual and mass education
- Organisation of community health education programme & evaluation
- Administration and organization of health education activities in India

COMMUNITY MEDICINE – SECTION - B

UNIT IV
Epidemiological concepts in the study of Health and Disease

- Epidemiology – Definition, Principles and uses
- Epidemiological methods
- Infection disease epidemiology
- Dynamic of disease transmission
- Prevention and control of diseases
- Investigation of an epidemic
UNIT V
Epidemiology of Communicable diseases

Respiratory infections: Small pox, Chicken pox
Measles,
Rubella, Mumps, Influenza
Diphtheria, Whooping cough,
Acute respiratory infections,
Tuberculosis.

Intestinal infections: Poliomyelitis, Viral hepatitis,
Cholera, Acute
Diarrhoeal diseases, Typhoid
Fever, Helminthiasis

Arthropod – borne infections: Malaria, Filariasis, Dengue syndrome,
Kala-azar

Zoonotic infections: Rabies Japanese, encephalitis
Yellow Fever,
Brucellosis, encephalitis
Rickettsial disease

Surface Infection: Trachoma, Tetanus, leprosy
STD, AIDS

Emerging and re emerging infectious diseases

UNIT VI - Epidemiology of Non Communicable Diseases
Coronary heart disease, hypertension, stroke Rheumatic heart disease, Cancer, Diabetes Mellitus Obesity, Blindness, Accidents.

UNIT VII

A. Health Legislation in India –
   - Public Health Laws
   - International Health Regulations
   - Social Security Legislation

B. Health Economics –
   - demand supply & costs in health care
   - economics of illness in the family
   - financing of health care in India

UNIT VIII – Demography: -

Definition, uses
Demographic trends – World, India, Kerala
Theories of population growth
Population policies
Population problem, After effects, Solution
National demographic goals
UNIT IX – Vital Statistics:
- Definition, sources
- Mortality, Morbidity and fertility rates
- Population estimation and Projection
- Life tables

UNIT X

Family Welfare.
- Definition, Concept and scope
- Methods of contraception
  - Spacing methods
  - Permanent methods
- National Family Welfare Programme
  - History, Organizational set up
  - Delivery system
  - Maintenance of Records
  - Population education

Role of voluntary organizations
The role of the Community Health Nurse in Family Welfare Services

BIBLIOGRAPHY

Text Book

References:
III YEAR

ADVANCED MEDICAL SURGICAL NURSING

Placement: III Year

Hours Allotted:
Theory : 100 hrs.
Practical : 480 hrs.

AIM

On completion of the course, the student recognizes the etiology, pathophysiology, symptomatology diagnostic measures and management of patients with selected complex medical and surgical conditions including these of the specialties like Cardiology, Cardiothoracic surgery, Neurology, Neuro Surgery, Nephrology, oncology and plastic surgery, plans and provides comprehensive nursing care to such patients.

Unit                      Ext. Lectures – 30 hrs.             Int. Lecturer – 70 hrs

I. Critical Care Unit
  Introduction to critical Care units
  Physical layout
  Role of critical care nurse
  Impact of critical illness on the patient and family.

II. Respiratory System
  Management of patients with acute respiratory failure
  ARDS Care of Patient on mechanical Ventilator.

III. Cardiovascular System
  Cardiology
  Cardiovascular assessment
  Management of Patients with
  Myocardial infarction
  Dysrrhythmias, heart block
  Acute LVF
  Physical examination
  Investigations - cardiac catheterization,
  radionuclide imaging.
  haemodynamic monitoring,
  Review of CAD, advanced Treatment modalities
  Pharmacology, coronary stenting, laser ablation, atherectomy, Nursing Management Role of the nurse in CCU
  rehabilitation cardiac failure
  -Review ,Advanced treatment modalities,
Cardiac Surgery

Management of patients undergoing open heart surgery, valve replacement, congenital defects, CABG, heart transplantation.

Pre and post operative management of patients undergoing open heart surgery
- CPS
- Correction of congenital defects
- Valve replacements CABG
Rehabilitation.

IV. Nervous System

Neurologic assessment
Intracranial pressure
Monitoring Nursing Management of patients with epilepsy

Neuro Surgery

Review – Head injuries ICSOL, Intracranial Surgeries, Spinal Cord injuries spinal IVDP
Spinal surgeries

Head injuries – Review ICSOL,
Pre and post operative
Management of patients undergoing intracranial surgeries, spinal surgeries
Nursing management of patients with Spinal cord injuries. Rehabilitation.

V. Oncology

- Diagnosis of cancer
- Treatment modalities
- Surgery
- Radiation
- Chemotherapy
- Palliative care

- Cancer incidence and trends
- Review of normal cell cycle cell differentiation
- Etiology, and risk factor
- classification of neoplasm
- pathophysiology of the Malignant process.
- Physiologic and psychological effects of cancer
- Diagnosis
- Staging and grading
- Treatment modalities
- Nursing management of patients undergoing Chemotherapy
- radiation therapy
- Nursing patients with cancer
- Role of the nurse in palliative care.
VI. Plastic and reconstructive Surgery

Recent trends in plastic surgeries, general principles of plastic surgeries, correction of congenital defects.
Reconstructive surgeries
Burns, skin grafting, repair of traumatic injuries.

Nephrology

Renal failure – review, Dialysis – peritoneal and Haemodialysis
Renal transplantation
Recent concepts in Nephrology

Review – renal Management of patients on dialysis, Renal transplantation

Bibliography

1. Black and Mattassarin-Jacob, Luckmann and Sorensens’ Medical Surgical Nursing, Philadelphia W.B Saunders.
2. Smeltzer and Baire. Brunner and Suddarth’s Text Book of Medical Surgical Nursing Philadelphia. Lippincott.
4. Krishna Das. Text Book of Medicine, New Delhi, Jaypee Brothers.
7. Otto Shirlay E. Oncology Nursing St.Louis Mosby
MENTAL HEALTH NURSING

Placement – III years

Hours Allotted:

Theory : 90 hrs.
Practical : 320 hrs.

Psychiatric Nursing faculty - 60 hrs.
Psychiatric Social Worker - 5 hrs.
Clinical Psychologist - 5 hrs.
Psychiatrist - 20 hrs

Course Description

This course is meant to provide an understanding of mental health concepts and the behavioural changes that occur in mental illness. It deals with the basic principles of Psychiatric Nursing emphasizing the preventive, promotive, curative and rehabilitative aspects of mental health care. The course is designed to enable the students to provide comprehensive nursing care to Psychiatric patients applying principles of Psychiatric nursing.

OBJECTIVES

At the end of the course, the students:

1. Develop positive attitude towards mental health, mental illness and the mentally ill.
2. Describe the Psychopathology and clinical manifestations of mental illness.
3. Establish therapeutic relationship with clients.
4. Provide comprehensive nursing care to Psychiatric patients.
5. Identify the role of the Psychiatric nurse in different settings.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Psychiatrist</th>
<th>Psychiatric Nursing Faculty</th>
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<tbody>
<tr>
<td>I. Introduction</td>
<td>- History of Psychiatry</td>
<td>- mental health:</td>
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<tr>
<td>Review</td>
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<td>- definitions, criteria,</td>
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<td>- Contributing factors</td>
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<td>- Epidemiology</td>
<td>- Personality development</td>
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<td></td>
<td>- Current trends in Psychiatry</td>
<td>- Psychoanalytic theory</td>
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<td>- Psychosocial theory</td>
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<td>- Interpersonal theory</td>
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<td>- Behaviouristic theory</td>
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<td>- Stress and adaptation</td>
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<td>- Defense mechanism.</td>
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<td>II. Introduction to</td>
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<td>- Definition, history, scope</td>
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<td>Psychiatric Nursing</td>
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<td>principles, role of the</td>
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<td>- Theoretical approaches to</td>
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<td>Psychiatric Nursing</td>
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<td>- Standards of Psychiatric</td>
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</tbody>
</table>

59
Nursing

III. Mental Illness
- Mental Illness
  Definition
  Classification
  Causes
  Clinical manifestations

IV. Psychiatric Assessment
- Psychiatric history
  - Mental status
  Examination
- Therapeutic communicati
  Interview techniques
  Therapeutic nurse –client
  relationship
  Mental status examination
  Nursing diagnosis
  Care plan
  Process recording

V. Treatment in Psychiatry
- Psycho-pharmacology
  ECT
- Nurses role in administration
  administration of
  Psychopharmacological
  agents.
  Other therapies
  Caring patients undergoing
  ECT
  Psychosocial therapies
  Psychotherapy
  Behaviour therapy
  Family therapy
  Milieu therapy
  Occupational therapy

VI. Etiology
Psychopathology and management of Psychiatric disorders.

A. Organic Mental Disorders
- Dementia, Delirium
- Alzheimer’s disease
- Organic Amnestic Syndromes

B. Schizophrenia & Delusional disorders

C. Mood (affective disorders)

Nursing management of clients with
- withdrawn behaviour
- Delusional behaviour
- Hallucination
- Depressed behaviour
- Suicidal behaviour
- Aggressive behaviour

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<tr>
<th>D. Substance</th>
<th>Abuse Alcoholism</th>
<th>Nursing care of patients with substance abuse disorders</th>
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<td>Drug abuse</td>
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<td>E. Neurotic stress</td>
<td>Generalized anxiety disorders, phobic anxiety disorders</td>
<td>Nursing management of client with Neurotic &amp; stress related disorders</td>
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<td>Related &amp; Somatoform Disorders</td>
<td>Obsessive compulsive Disorders</td>
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<td>F. Personality Disorders</td>
<td>Paranoid, schizoid cyclothymic antisocial Personality disorders</td>
<td>Management of client with personality disorders</td>
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<td>G. Sexual Disorders</td>
<td>Sexual perversion</td>
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<td>Sexual dysfunction</td>
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<td>H. Eating Disorders</td>
<td>Anorexia nervosa</td>
<td>Nursing Management of clients with eating disorders.</td>
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<td>I. Mental Retardation</td>
<td>Etiology</td>
<td>Prevention &amp; Rehabilitation of Mental retardation</td>
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<td>Classification</td>
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<td>J. Child hood disorders</td>
<td>Pervasive Developmental Disorders</td>
<td>Nursing management of childhood disorders.</td>
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<td>Learning disorders</td>
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</tbody>
</table>

K. Psychiatric Emergencies

VIII. Psychiatric Rehabilitation

VIII. Community Psychiatry

IX. Legal aspects & Future challenges

- Mental health act
- Admission and discharge of Mentally Ill patients
- Legal aspects
- Responsibility of the Psychiatric nurse
- Future challenges in Psychiatric nursing

Clinical Facilities
1. Psychiatric depts. in M.H. affiliated hospitals.
2. Observation Visit:-
   - School for mentally retarded children
   - Psychiatric Rehabilitation centers
   - Geriatric / old age home
NURSING RESEARCH INCLUDING STATISTICS

Placement III Year B.Sc Nursing

Hours Allotted:
Theory
1. Nursing research : 35 hrs.
3. Practical : 80 hrs.

Course Objectives

On completion of the course students will be able to

1. Recognise the significance of research in nursing and its importance in nursing practice and education.
2. Describe steps of the research process.
3. Discuss the ethical aspects of research and the nurse researchers responsibilities
4. Identify researchable problems in nursing and demonstrate beginning skill in planning and conducting single research studies.
5. Critically review the research studies, interpret findings meaningfully and apply the same to nursing.

Unit I Definition of Research

Purpose. Types-Basic, Applied, Action, historical, Descriptive, experimental, Nursing research-Definitions, Historical development in India & other countries. Importance of research in nursing need and scope of nursing research.
Research terminology
Ethical considerations

Unit II – Steps of Research Process

Research problem-sources, statement
Objectives-operational definitions
Hypothesis – Types, statement
Review of literature – purposes, sources,
Research design – Experimental
Non-experimental
Quasi experimental
Population, sampling techniques,
Data collection – Techniques, tools
Interview, questionnaires – criteria of a good questionnaire,
Observation methods, rating scales
Validity, reliability of the instrument
Pilot study

Unit III

Discussion and interpretation of data
Writing research report
Format and style, Bibliography

Unit IV

Critical review of research studies in nursing
Writing a research proposal
Utilization of nursing research

Project: Each group of three or four students will undertake a project in nursing intended to improve patient care directly or indirectly. Project report has to be submitted for evaluation.

STATISTICS

Statistician: 15 hrs.

Unit I
A. Levels of measurement
   1. Normal
   2. Ordinal
   3. Interval
   4. Ratio

B. Descriptive statistics
   Categorization, condensation and coding of data tabulation.

Unit II
A. Presentation of data
   a) Frequency distribution
   b) Graphical presentation
   c) Tables

B. Measures of Central Tendency
   a) Definition and use of mean, median and mode
   b) Computation of mean and median

C. Measures of Variability
   a) Definition and use of Standard Deviation
   b) Computation of S.D.

Unit III
A. Correlation
   a) Meaning of correlation
   b) Methods of computing correlation
   c) Testing hypothesis, Chi-square test

B. Using Computer for Data Analysis

Text Books:


References:

1. Brown, Amy Francis, “Research in Nursing”
   W.B.Saunders Com., Philadelphia (1968)

2. Abdellah Fay and Levina Eugene, Better patient care through research.


6. Treece and Treece, elements of research in nursing C.V.Mosby company (1986)


CHILD HEALTH NURSING

Placement: III Year

Time allotment

1. Embryology 5 hrs
2. Genetics 5 hrs
3. Child Psychology 5 hrs
4. Child health medicine 15 hrs
5. Child health surgery 10 hrs
6. Child health nursing 70 hrs

Total 110 hrs

AIM

Students identify the normal growth and development, and needs/problems of children of various age, groups and deviations from normal, recognize the basic Concepts, principles and techniques of child care and the role of family in child rearing, develop beginning ability to plan and provide comprehensive nursing care to children suffering from diseases and disorders.

A. Genetics

Concept, importance in pediatrics
Gene structure and function (Review)
Pattern in inheritance
Common chromosomal disorders: Down’s syndrome, Turner’s syndrome
Klinefleter Syndrome, Edwards Syndrome, Albinism
Inborn errors of metabolism
Phenylketonurea, galactosemia, Mental retardation

B. Embryology

Concept, Importance in pediatrics
Growth and development of fetus
Maldevelopment leading to congenital anomalies

C. Child Psychology

1. Child’s normal behaviour and development and environmental influences on child’s behaviour and development theories of development.

2. Childhood problems – Behavioural, Developmental, Habit disorders, Discipline.

# CHILD HEALTH NURSING INCLUDING CHILD HEALTH MEDICINE AND SURGERY

<table>
<thead>
<tr>
<th>Unit</th>
<th>Specialities-</th>
<th>Paediatric nurse</th>
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<tr>
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<td>Child health</td>
<td>Specialist (70 hrs.)</td>
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<td>Medicine &amp;</td>
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<td>Surgery</td>
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### Unit I
Introduction to Child Health Nursing

- History, Modern concepts of maternal and childcare
- Differences in childcare from that of adult. Factors contributing to Illness in children. Special Quantities and role of the Pediatric Nurse.

### Unit II
Growth & development of children at different age levels

- Growth and development concept, principles and factors influencing growth and development of child (neonate to adolescent)
- Physical, Emotional, Intellectual Psychosocial, Development task and problems at Growth and development, care of New born.
- Play & toys for children, importance, function, type selection of toys

### Unit III
High risk Newborn

- Low birth weight babies
- Nursing management of high risk new-borns

- Hyper-bilirubinemia
- Respiratory distress Syndromes, Hypoxic Ischemic encephalopathy,
- Meconium aspiration Syndrome, Infant of Diabetic mothers.
Unit IV
Preventive Paediatrics
Child welfare activities
State, National and
International,
Immunisation
schedule, Technique,
Contra-indications &
Precautions.

Management of
Child welfare activities
classification of
Diseases & Disorders

Women in the health care
System, Preparation for safe
Parenthood and safe labour,
Antenatal intranatal & postnatal
care, Premarital Counselling,
Genetic Counselling

Meaning of illness to child &
Family, reactions to illness of
Hospitalization, Nurses’ role in
Minimizing stress of illness
and Hospitalization

Unit V
Nutrition and
Basic fluid and
requirements of
Protein-Energy
Malnutrition,
Vitamin & Mineral
Prevention and
its management

Breast feeding, weaning,
BFHI, Nursing Management
of children with PEM, vitamin
and mineral deficiencies

Unit VI
Respiratory
Common Diagnostic
Measures, acute &
Chronic respiratory
Disorders, Otitis media,
Croup, Bronchiolitis,
Bronchitis, Pneumonia,
Empyema, Tuberculosis,
Cystic fibrosis, Bronchial
Asthma, Emphysema

Nursing care of children
with acute & chronic respiratory
disorders

Unit VII
Cardiovascular
Common diagnostic
Measures, Congenital
and acquired heart
diseases, Rheumatic
Fever, Congestive Heart
Failure, Surgical

Nursing care of children
with Rheumatic fever,
congenital and acquired
heart diseases, Nursing
care of children with
Cardiac Surgery

Management of
Congenital Heart
diseases.

Unit VIII
Haematological
Anemia Iron
Deficiency

Nursing care of children
with anemia, Leukemia,
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<th>Unit IX</th>
<th>Gastrointestinal disorders</th>
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<td>Sickle cell Anemia</td>
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<td>Tumours, spina bifida</td>
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<td>Nursing care of children</td>
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<th>Unit XI</th>
<th>Genitourinary, Endocrine and Metabolic Disorders</th>
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<td>Uropathy, Wilm’s tumor</td>
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<td>and wilm’s tumor Nursing</td>
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Unit XII
Infectious diseases
- Congenital hypothyroidism management of children
- With diabetes mellitus

Pediatric Emergencies
- Review of whooping cough, diphtheria, poliomyelitis
- Tetanus, Measles, Mumps, Scabies, Impetigo, Candidiasis, AIDS

Nursing Management children with whooping cough, diphtheria, Mumps, Poliomyelitis, Tetanus, measles and AIDS

Shock, burns, Accidents
- Foreign body aspiration
- Bites and poisoning, Respiratory failure

Nurses role in managing pediatric Emergencies and prevention of accidents

Unit XIII
Child health
Procedures
- Anthropometric Measurements, Vital signs, medicine administration
- Oral and parenteral, Nasogastric Feeds, Restraints, Oxygen therapy, suctioning

Clinical facilities
1. Clinical practice in various departments of institute of child health, Medical Colleges or other affiliated hospital
2. Visit to – Creche

Teaching strategy
- Lecture
- Demonstration
- Presentation
- Group discussion

Evaluation Strategy
1. Theory evaluation (Internal)
   - Three sessional examinations 3 X 100 marks
   - Average in 50 marks

2. Clinical evaluation (Internal)
   a) Growth and development assessment (Infant, Toddler, Pre-schooler any one) 5 marks
   b) Care study – 2 (Child health Medical & Surgical) 20 marks
   c) Health Talk/ Project 10 marks
   d) Continuous evaluations 50 marks
   e) Practical Exam 15 marks

Average in 50 Marks 100 marks

70
3. Final grade evaluation

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REFERENCES:

Title of the course: Maternity nursing
Placement : IV Year

AIM

This course is designed for students to appreciate the concepts and principles of Maternity nursing and to develop beginning skills in taking care of the mother and child during antenatal, natal and postnatal periods.

Objective of the course

On completion of the course the student will be able to

- Recognize the anatomical, Physiological and psychosocial change taking place during pregnancy.
- Render comprehensive care to mother and child during antenatal, natal and postnatal periods.
- Demonstrate beginning skills in conducting normal deliveries.
- Identify and manage abnormalities and complications of pregnancy, labour and puerperium.
- Give health education to antenatal and postnatal mothers and their family members.
- Develop insight into professional and legal responsibilities of maternity nursing.

Course content

<table>
<thead>
<tr>
<th>Unit</th>
<th>Obstetrician (30 hrs.)</th>
<th>Nurse specialist (70 hrs.)</th>
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<tbody>
<tr>
<td>UNIT I</td>
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<tr>
<td>Introduction to Maternity Nursing</td>
<td>a) Trends in maternity nursing</td>
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<td>- Historical perspective and Current trends</td>
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<td>- Reproductive child health</td>
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<td>- Legal &amp; ethical aspects.</td>
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<td>- Role of the nurse in maternity care</td>
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<td>- Pre conception care and preparing for parenthood</td>
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<td>b) Review of anatomy and physiology of female reproductive system</td>
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<td>- female pelvis. (5hrs)</td>
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UNIT II
Foetal Development
- Review of fertilization, Implantation, Fetal and and placental development,
- Foetal circulation
- Foetal skull

UNIT III
Assessment and a) Diagnosis of a) Physiology & diagnosis Management of Pregnancy of pregnancy
Antenatal period b) Endocrinology b) Radiology in Obstetrics in relation to reproduction c) Assessment of fetus c) Genetic counseling
d) Antenatal care objectives of antenatal care
- Biophysical & - History & Physical Biochemical examination
- Screening for risk factors
- Antenatal advice
- Antenatal exercises
- Minor disorders of pregnancy
- Preparation for safe confinement
- Psychological and cultural aspects of pregnancy
unwed mother, Single parent, family and adoption, teenage pregnancy.

UNIT IV
Assessment and - Physiology of labour management of Mechanism of labour Intranatal period - Preparation of womanLabour room - Management of 1st, 2nd, 3rd and 4th stages - Providing comfort during labour and birth

UNIT V
Assessment and - Physiology of puerperium Management of Postnatal assessment and Puerperium care of mother - Postnatal exercises - Postnatal check up
UNIT VI
Assessment and Management of Newborn
- Family dynamic after child birth.
- Family welfare Services (Review)
- Physiological adaptation of
- immediate care at birth
- Apgar score
- Daily assessment and care
- Minor disorders and management

UNIT VII
High risk Pregnancy
Screening and assessment
Disorders in pregnancy
Hyperemesis gravidarum
Bleeding in early pregnancy
Abortion, ectopic pregnancy,
Vesicular mole

Bleeding in late pregnancy-
Placenta praevia, Abruptio placenta.

- Diseases complicating pregnancy
medical and surgical conditions complicating pregnancy
Gynecological disorders complicating pregnancy

Multiple pregnancy,
Hydramnios
abnormalities of placenta and cord, intra uterine growth retardation

UNIT VII
Abnormalities of Labour
a) Disorders in labour
- Malpoitions and Malpresentations
- Premature labour
- Disorders of uterine action-precipitate labour and prolonged labour
- CPD and contracted pelvis
Complications of 3rd Stage
b) Obstetric emergencies

a) nursing management in
Malpositions and malpresentations
- Premature labour
- Disorders of uterine action
- precipitate labour and prolonged labour
- Contracted pelvis
- obstructed labour and complications of 3rd stage.
- Presentation and prolapse of cord
- Vasa praevia
- Amnionic fluid embolism
- Reputure of utreus
- Shoulder dystocia

**c) Obstetric operations and procedures**

- Introduction of labour
- Episiotomy forceps, vacuum, version cesarean section manual removal of placenta, destructive operations.

**UNIT IX**

Abnormalities of Puerperium

- Complications of Puerperium
- Infections

- Thromboembolic disorders
- Post partum haemorrhage
- Psychiatric disorders of puerperium

**UNIT X**

High risk newborn

- Nursing management of low birth weight babies, major neonatal disorders, birth injuries and malformations infections, haemolytic diseases of new born.

**UNIT XI**

Pharmaco-therapeutics in Obstetrics

- Oxytocins in Obstetrics
- Antihypertensives
- Diuretics
- Tocolytic agents
- Anticonvulsants
- Foetal hazards on maternal medication
- Analgesics and anaesthesia in obstetrics

**UNIT XII**

Epidemiology of Obstetrics

- Maternal morbidity and mortality
- Perintal mortality
- Birth and death notification
References:

GYNAECOLOGY AND GYNAECOLOGICAL NURSING

Title of the Course: Gynaecology and Gynaecological nursing
Placement: IV Year
Hours Allotted
- Theory: 30hrs
- Gynaecologist: 10hrs
- Nurse specialist: 20hrs
- Practical: 160 hrs.

AIM

This course is designed to make the students aware of the common gynaecological problems and to equip the students with the beginning ability to take care of patients with such problems.

Objective

On completion of the course the student will

- develop a deeper insight into various gynaecological problems and explain the cause, signs and symptoms, treatments and nursing management of these conditions.
- Demonstrate beginning skill in giving comprehensive nursing care to patients with gynaecological problems.
- Give health education to prevent gynaecological complications and develop self care ability to individuals, families and communities with common gynaecological conditions.

Unit | Gynaecologist | Nurse Specialist
---|---|---
UNIT I

UNIT II
Gynaecological
Assessment  Gynaecological examinations  Preparation and
Diagnosis assessment  assisting with gynaecological procedures

UNIT III
Menstrual  Amenorrhoea  Nursing management
Dysfunction  D U B  of Patients with menstrual
dysfunction, menopause
Hormone therapy in Gynecological practice

UNIT IV
Infertility  Infertility and Sterility

UNIT V
Operative  Gynaecological Preparations and assisting
Gynecology  operations with Gynaecological operations, Instruments

UNIT VI
Mechanical  Uterine displacements Nursing care of
disturbances and Injuries to the pelvic patients with these
Injuries of female floor conditions
genital tract  R.V.F and V.V.F.

UNIT VII
Infections of Female  Venereal infections, non Nursing care of patients
Genital tract  venereal infections  with these conditions
Inflammatory disease

Reference:
1. Dutta D.C. Text Book of Gynaecology including contraception end edn. New central
2. Milley, Nerman F. and Avery H. Gynecology and Gynecologic Nursing W.B.
   Saunders Co Philadelphia.
4. Robert James and Cross ward Cambell Gynaecological Nursing 4th edn. The C.V.
   Mosby Co. St.Louis
5. Bobak and Jonson Maternity and Gtnaecological Care 5th edn. Mosby year book INC-
   1993.

Teaching Strategies
Lecture, Discussion, demonstration
Evaluation
- Internal examination
- University examination

Assignments
a. Care Study
b. Case presentation
c. Care Plan
d. Project
COMMUNITY HEALTH NURSING II

Placement: IV Year

Hours Allotted

Theory : 60hrs
Practical : 400hrs

AIM

This course is designed to identify the health needs and problems of individuals, family and community to provide need-based services. This also focuses on organization of health and community development services in the country. This course helps the student to develop beginning skills in the administration and management in community health nursing services. It is also aimed to conduct elementary research studies to identify and resolve community health problems.

Objectives

On Completion of the course the student

1. Identify and assist to solve the health problems of families and the community.
2. Function effectively as a member of the health team in providing comprehensive health care to the community.
3. Demonstrate beginning skills in the administration and management of community health nursing service.
4. Recognize the importance of adequate staff supervision.
5. Identify the importance of community development programmes in improving the health of the community.
6. Apply the principles of research in community health nursing practice.

UNIT I

Family health care

Definition types, family development cycle, functions, family as the basic unit of service in community health. Objectives of family health care, Nursing process in family health care & health risk families.

- Home visit
- Clinic services
- Individual and group conference
- Counseling in family health
- Interview technique
- Standing orders
- Referral service
- Use of public health bag in family care, records and reports

UNIT II

Family finance budgeting

Income of different categories – regular, supplementary sources of income. Income generating activities: Agriculture, Gardening

Household & cottage industries, women and economic independence family budgeting.
Need for making budget

Allotment of anticipated income between various expenditure main items of family budget, financial record of household account keeping

Household credit and debit

UNIT III

Community identification survey of the community, identification of community health problems
Planning, implementation and evaluation of community health programmes, organizing mass Campaigns in community health

UNIT IV

Community health administration concepts, principles and Elements of administration and management
Public health organization at the central, states, district and local levels, decentralization, Panchayat Raj, health care delivery system in India, public voluntary and other sectors

UNIT V

Community health nursing administration
Administrative functions of community health nurse, organization of community health nursing service of the central, state, district and local levels.

- Leadership in community health nursing
- Supervision-concept, definition, Principles, purposes & methods, inability of a supervisor
- Techniques of supervision in community health nursing
- Supervisory function of community health nurse at various levels
  - District level, primary health center and training unit
- Staff morale
- Staff growth, development
- Staff welfare

UNIT VI

- Community development programmes
- Poverty & health-causes, impact, solution to poverty, community development programme
- Community development and health service
- Community health programmes
- Maternal and child health programme
- Family welfare programme
- Universal immunization programme
- National water supply and sanitation programme
- School health programme
- Occupational health programme
- Care of the aged and handicapped
- Disaster management
UNIT VII
Research in community health nursing – importance, purpose & methods, identification of researchable problems in the community, application of results of studies, role of nurse in community health nursing research

Practical

Period of 400 hrs (10 week) experience covering all aspects of community health nursing service. Each student is required to provide comprehensive health care to selected families, opportunity is provided to undertake a health survey in a selected area and to organise a health project. Opportunity is also provided to participate in the administrative activities at the primary heart center.
Observation visit to.
1. Occupational health service center - INDAL
2. Mitraniketan, Trivandrum – any other community development agency

Bibliography
Text Books

References:
2. Mary, Catdia Jennings, Nursing Care planning guide to Home Health Care.
NURSING EDUCATION

Placement: 4th Year

Hours allotted: 160 hrs. (4 weeks)
Theory: 80 hrs.
Practical: 5 hrs./Student

AIM

This course is meant to familiarize the student with philosophies, theories, principles and methods of the teaching learning process and curriculum development. It is also designed to equip the students with the beginning skills in the art of teaching in basic nursing education programme.

Objectives

On completion of the course the student will be able to

1. Describe the development and trends in nursing and nursing education.
2. Explain the relevant philosophies of education in general, and nursing education in particular.
3. Identify the concepts, principles and process of curriculum development.
4. Identify the different methods of teaching and applies in teaching nursing.
5. Demonstrate beginning skills in the art of teaching in basic nursing education programme.
6. Use the relevant teaching aides to facilitate learning.
7. Demonstrate beginning skills in the construction of evaluation tools and evaluate student performance.
8. Evaluate one’s own performance as a teacher and accept correction to improve onself.

UNIT I

Education - meaning and definitions
Aims of education, types of education
Avenues of education
Education as a process
Dimensions of the educative process-Substantive, Procedural, Environment,
Human relations.
Current trends in Education

UNIT II

Nursing Education-definitions, aims
Patterns of Nursing Education
Development of nursing education-
International, national and state levels
Current trends Issues in nursing Education

UNIT III

Philosophy of Nursing Education
Definitions, Relationship between Philosophy and Education
Important Philosophies-Idealism, Naturalism, Pragmatism, Realism
Eclectic philosophy
Philosophy of nursing education
Statement of Philosophy – Principles and steps
UNIT IV
Educational Objectives
Definitions, Elements of educational objective, qualities,
Domains-cognitive, affective, psychomotor
Bloom’s Taxonomy
Types of objectives, statement of objectives, principles and steps.

UNIT V
Curriculum development
Definitions, Types, Principles of curriculum development, steps in
Curriculum development, Curriculum planning – levels and stages
Factors influencing curriculum development, organization of learning
Experience-preparation of master plan, clinical rotation plan.

UNIT VI
Course plan – Essential elements
Unit plan – Types of unit, elements of a unit plan,
Characteristics of good units
Lesson plan – Importance, advantages
Elements of a good lesson plan
Types of questions, purposes, characteristics of good questions
Questioning technique.
Assignment-definition, importance, purposes, types,
principles, characteristics of a good assignment.

UNIT VII
Teaching – Learning process
Teaching-meaning & definitions
Principles of teaching, maxims of teaching
Qualities of good teacher, role & functions of a teacher in nursing,
Role of a clinical instructor
Learning-Review Theories & Principles

UNIT VIII
Teaching Methodology
Lecture, Demonstration, Group methods-
Seminar, symposium, Panel discussion
Role play, Project method, Field trip, Workshop
Brain storming, Buzz group, syndicate method,
Micro teaching, Programmed instruction,
Teaching modules, self instructional modules
Clinical teaching – Definitions, Methods-Bed side demonstration
Nursing rounds, Bedside Clinics, Clinical conference, care study presentations

UNIT IX
Educational Evaluation-Definition, Purposes,
Principles, Types-Formative& Summative
Steps in evaluation, Tools of evaluation, Qualities of an evaluation tool
Essay type and objective questions-Advantages and Disadvantages  
Principles of constructing objective type questions  
Objective type questions – classification  
Practical and oral examinations – Principles, advantages and disadvantages  
Internal assessment – Methods, Policies  
Programme Evaluation – peer review  
Teacher evaluation-self evaluation. Evaluation by students  
Rating scales-different types  
Clinical evaluation-Importance, Purposes, methods  
Clinical evaluation tools in different areas and specialties  
Evaluation of performance of students  
Observation, Interview with students  
Review of records and records, anecdotal records

UNIT X

Guidance and counseling  
Meaning and definitions  
Need and significance  
Principles and Methods, Qualities needed for a counselor  
Organization of Counseling Services, Policies and procedures.

UNIT XI

Aims of discipline in Education  
Principles, Types of discipline  
Preventive Discipline – Teacher’s role  
Disciplinary problems, Disciplinary procedure

Text Book

Heidgerken Loretta, Teaching and learning in Schools of Nursing  
J.B. Lippincott company, Philadelphia.

References:

3. Sampath K. Introduction to Educational Technology  
NURSING ADMINISTRATION

Placement: IV Year

AIM
This course orients the students to the philosophy and objective of nursing service and school administration. It also provides a basic knowledge about the principles and functions of administration and its application to the nursing service and education.

Objective
On completion of the course, the student
1. Explains the principles and techniques of administration and applies it to nursing service and education.
2. Prepared organizational chart of nursing service and educational institution
3. Describes the role and functions of the nursing service and school administrators
4. Explains the functions of the various accrediting agencies.

SECTION - A
NURSING SERVICE ADMINISTRATION

UNIT I - Introduction 35 hrs
Definitions and Principles of administration
Administration Vs Management
Elements or functions of administration

UNIT II
Administration of nursing service department
Philosophy and objectives
Organization of the hospital, Organization of nursing service department
Functions of the nursing service administrator
Duties and responsibilities of Nursing Superintendent
Head Nurse, Staff Nurse, Nursing assistants

UNIT III
Administration of the nursing service unit, factors affecting ward management
Organization of the nurse service unit
Role of the Head nurse - patient care
- Ward management
- Supervision
- Evaluation
Planning nursing service unit – Physical facilities, floor space
Assignment of Patients – different methods, delegation of duties
- Time planning
- Role of the head nurse in the training of nursing students, conducting
Ward teaching, nursing rounds
Nursing care conference
Maintaining records and reports

UNIT IV
Personnel (Human Resource) management
Staffing – Recruitment, selection and appointment
Man power requirement – I N C norms
Job description, job analysis, job specification
Staff welfare programmes, technique of employee motivations Employee Morale,
Staff development programmes – orientation, in-service training
Continuing education
Career planning & development

UNIT V
Material management
Equipment and supplies, preparing indent
Maintaining inventory
Head nurse’s role in maintaining supplies and equipment

UNIT VI
Leadership & Supervision
Leadership – definition, leadership styles
Qualities of a leader
Supervision – principles, methods and technique, qualities
Role of head nurse in supervision of staff and students

UNIT VII
Financial Management & Budgeting
Definition, Principles and purposes
Features of a budget
Steps in preparation of budget
Role of nursing service administrator

UNIT VIII
Evaluation – Evaluation of patient care
Nursing audit
Evaluation of personnel, Performance appraisal

UNIT IX
Issues and problems in nursing service administration
Expanded roles of nurses, career development

SECTION – B
ADMINISTRATION OF NURSING EDUCATIONAL INSTITUTION

UNIT I
Introduction, Historic Development
Types of educational programmes in nursing
Organizational pattern of school of nursing and College of Nursing-
Government and private
Essential requirements of a nursing educational Institution
- INC Norms
Functions of nursing school administrator

UNIT II

Administration of faculty-
Selection, recruitment, appointment – polices
Orientation, organization of teaching staff
Various committees, Faculty development programmes.

UNIT III

Administration students
Selection, Recruitment-policies, admission of students
Orientation programme
Student welfare programmes – annual medical check up
Co-curricular activities

UNIT IV

Administration of non-teaching staff
Staff pattern, Work assignment
Supervision and evaluation

UNIT V

Administration of curriculum
Curriculum planning (Review)
Planning and organization of clinical experience, affiliations

UNIT VI

Evaluation – Review general principles
Evaluation of educational programme
Feed back from faculty and students
Faculty evaluation – methods

UNIT VII

Records and reports
Students records – Cumulative Record
Health Record
Admission register
Staff records - Personal file
General Records - Annual report of the school

UNIT IX

Public relations
Meaning, importance, methods
School Publishing – Magazines, Brochure, News letter
Role of principal in public relations
UNIT X

Professional organizations & opportunities
Professional organizations - unit, state, national levels
Trained nurses association of India
Accreditation - Meaning, policies and procedures
Indian Nursing Council – functions
State Nursing Council – functions
Professional development in various fields of nursing
Securing a job, Applying for a job, Resignation from a post,
State Nursing Council Registration
Policies and Procedure

UNIT XI

Current issues and problems in Nursing
Educational administration

References:

3. Goddard M. Principles of Administration applied to Nursing service.