MAHARASHTRA UNIVERSITY HEALTH SCIENCES

SYLLABI AND REGULATIONS
P.B.B.Sc. NURSING
2005

INDEX

SR. NO.	CONTENTS	PAGE NO.
1.	Philosophy	01
2.	Aims	02
3.	Objectives	02
4.	Courses of Study	03
5.	Scheme of Examination	04
I.	**First Year P.C.B.Sc Nursing**	
a.	Nursing Foundation	07
b.	Nutrition & Dietetics	10
c.	Biochemistry & Biophysics	12
d.	Psychology	18
e.	Microbiology	22
f.	Maternal Nursing	25
g.	Child Health Nursing	30
h.	Medical Surgical Nursing	35
i)	English	42
II.	**Second Year P.C.B.Sc. Nursing**	
a.	Sociology	45
b.	Community Health Nursing	48
c.	Mental Health Nursing	52
d.	Introduction to Nursing Education	57
e.	Introduction to Nursing Service Administration	61
f.	Introduction to Nursing Research and Statistics	65

PHILOSOPHY

MUHS believes in proper systematic teaching, training and research in Modern Medical Sciences and uniformity in various courses in medical and allied health sciences. The philosophy of the P. B. B. Sc.(N) is incorporated by MUHS at par of Indian Nursing Council.

Indian Nursing Council believes that, **Health** is a state of well-being that enables a person to lead a psychologically, socially and economically productive life.

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

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

Undergraduate nursing program at the post basic level is a broad based education within an academic framework, which builds upon the skills and competencies acquired at the diploma level. It is specifically directed to the upgrading of critical thinking skills, competencies & standards required for practice of professional nursing and midwifery as envisaged in National Health Policy 2002.

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

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

AIMS :

The aim of the undergraduate nursing program at the post basic level is to upgrade the diploma (GNM) nurses to:

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

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

OBJECTIVES :

On completion of B.Sc. Nursing (Post-Basic) degree programme the graduates will be able to:

1. Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients / clients that contribute to health of individuals, families and communities.
2. Demonstrate competency in techniques of nursing based on concepts and principles from selected areas of nursing, physical, biological and behavioral sciences.
3. Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of the country.
4. Demonstrate skills in communication and interpersonal relationship.
5. Demonstrate leadership qualities and decision-making abilities in various situations.
6. Demonstrate skills in teaching to individuals and groups in community health settings.
7. Demonstrate managerial skills in community health settings.
8. Practice ethical values in their personal and professional life.
9. Participate in research activities and utilize research findings in improving nursing practice.
10. Recognize the need for continued learning for their personal and professional development.

COURSE OF STUDY :

Sr. No.	Subject	Theory Hours	Practical Hours	Total Hours
1st Year				
1.	Nursing Foundation	45	030	075
2.	Nutrition & Dietetics	30	015	045
3.	Biochemistry & Biophysics	60	-	060
4.	Psychology	60	015	075
5.	Maternal Nursing	60	240	300
6.	Child Health Nursing	60	240	300
7.	Microbiology	60	030	090
8.	Medical & Surgical Nursing	90	270	270
9.	English (Qualifying)	60	-	060
Total		**525**	**840**	**1215**

Note: Hindi/local language as per the need of the institution.

2nd Year				
10.	Sociology	60	-	060
11.	Community Health Nursing	60	240	300
12.	Mental Health Nursing	60	240	300
1.	Introduction to Nursing Education	60	075	135
2.	Introduction to Nursing Administration	60	180	240
3.	Introduction to Nursing Research & Statistics	45	120	165
	Total	**345**	**855**	**1200**

SCHEME OF EXAMINATION:

1st Year

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Theory				
1.	Nursing Foundation	2	15	35	050
2.	Nutrition & Dietetics	2	15	35	050
3.	Biochemistry & Biophysics	3	25	75	100
4.	Psychology	3	25	75	100
5.	Microbiology	3	25	75	100
6.	Maternal Nursing	3	25	75	100
7.	Child Health Nursing	3	25	75	100
8.	Medical & Surgical Nursing	3	25	75	100
9.	* English (Qualifying)	--	100 College level qualifying exam, minimum passing Marks 33%.		100
	Practicals				
1.	Medical & Surgical Nursing		50	50	100
2.	Child Health Nursing		50	50	100
3.	Maternal Nursing		50	50	100

Note: *** College level qualifying exam to appear in University Examination, minimum passing Marks 33%**

2nd Year

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Theory				
10.	Socialogy	3	25	75	100
11.	Community Health Nursing	3	25	75	100
12.	Mental Health Nursing	3	25	75	100
13.	Introduction to Nursing Education	3	25	75	100
14.	Introduction to Nursing Service Administration	3	25	75	100
15.	** Introduction to Nursing Research Statistics	2	50 College level qualifying exam, minimum passing Marks 50%		050
	Practicals				
4.	Community Health Nursing		50	50	100
5.	Mental Health Nursing		50	50	100
6.	** Introduction to Nursing Research Statistics		50 (Research Project) College level qualifying exam, minimum passing Marks 50%		050

Note: **** College level qualifying exam to appear in University Examination, minimum passing Marks 50%.** (Not University Examination)

N.B.:

1. Teaching of Anatomy, Physiology, Pharmacology and Pathology will be integrated with clinical subjects.
2. A minimum of 80% attendance in theory and practical/clinicals in each clinical area is essential before award of degree.
3. 100 % attendance in practical / clinicals in each clinical area is essential before award of degree.
4. 50% of minimum marks in each theory and practical paper separately is required for passing.
5. Examination in the 'English' subject of 1st year P.B.B.Sc. Nursing course will be a college level Internal Assessment Qualifying Examination with minimum passing of 33% Marks. Student who fails or student who secures less than 33% Marks in the 'English' subject will not become eligible to appear in any subject of the University's final examination. Marks of 'English' subject are to be send to the University along with Internal Assessment Marks of other subjects for inclusion in the Mark Sheet.
6. Examination in the 'Introduction to Nursing Research and Statistics' subject of 2nd year P.B.B.Sc. Nursing course will be a college level Internal Assessment Qualifying Examination with minimum passing of 50% Marks. Student who fails or student who secure less than 50% Marks each i.e. independently in the Internal Assessment (Theory) Head and independently in the Internal Assessment (Practical) Head of the 'Introduction to Nursing Research and Statistics' subject will not become eligible to appear in any subject of the University's final examination. Marks of 'Introduction to Nursing Research and Statistics' subject are to be send to the University along with Internal Assessment Marks of other subjects for inclusion in the Mark Sheet.

MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

IST YEAR
POST BASIC B.Sc NURSING
SYLLABUS
2005-2006

NURSING FOUNDATION

Placement: Ist Year **Time Allotted: Theory : 45 Hrs**
Practical : 30 Hrs

COURSE DESCRIPTION :

This course will help students to develop an understanding of the philosophy, objectives and responsibilities of nursing as a profession. The purpose of the course is to orient to the current concepts involved in the practice of nursing and developments in the nursing profession.

OBJECTIVES : At the end of the course, the students will

1. Identify professional aspects of nursing
2. Explain theories of nursing
3. Identify ethical aspects of nursing profession
4. Utilise steps of nursing process
5. Identify the role of the nurse in various levels of health services
6. Appreciate the significance or quality assurance in nursing.
7. Explain current trends in health and nursing

COURSE CONTENTS :

UNIT I DEVELOPMENT OF NURSING AS A PROFESSION 6 hrs

- Philosophy
- Objectives and responsibilities of a graduate nurse
- Trends influencing nursing practice
- Expanded role of the nurse
- Development of nursing education in India and trends in nursing education
- Professional organizations, career planning
- Code of ethics & professional conduct for nurses.

UNIT II CONCEPTS OF HEALTH & ILLNESS 12 hrs

- Concepts of health and illness, effects on the person
- Stress and adaptation
- Health care concepts and nursing care concept
- Developmental concepts, needs, roles and problems of the developmental stages of individual – newborn, infant, toddler, pre-adolescent, adolescent, adulthood, middle-age, old age.

UNIT III THEORY OF NURSING PRACTICE 5 hrs

- Meta paradigm of nursing – characterized by four central concepts i.e. Nurse, Person (client/patient). Health and Environment.
  Nursing Theory;
  - Florence Nightingale
  - Virginia Henderson
  - Betty Neumen
  - Dorothea Orem
  - Martha Rogers etc.

UNIT IV NURSING PROCESS 10 hrs

- Nursing Process
- Nursing diagnosis – Definitions, concepts, statements, types, interpretation
- Planning: techniques for planning care, types of care plans.
- Implementation: different approaches to care, organisations and implementation of care, recording.
- Evaluation: tools for evaluation, process of evaluation.

UNIT V QUALITY ASSURANCE 6 hrs

- Quality assurance: nursing standards, nursing audit, total quality management
- Role of council and professional bodies in maintenance of standards.

UNIT VI APPROACHES TO HEALTH CARE 6 hrs

- Primary health care concepts:
- community oriented nursing
- holistic nursing
- primary nursing

- family oriented nursing concepts:
- Problem oriented nursing
- Progressive patient care
- Team nursing

PRACTICUM : Teaching Learning Activities - 30 Hrs.

Nursing process application.

- Select one patient and write nursing care plan. 20 Hrs.
- Select one client from OPD / Community / Peer Group and write nursing care plan. 10 Hrs.

EVALUATION:

Paper	Subject Nursing Foundation	Duration	Internal Assessment	External Assessment	Total Marks
1.	Theory	2	15	35	050

Internal Assessment: 15 Marks
(Out of 15 Marks to be send to the University)
Mid-Term: 25 Marks
Prelim: 35 Marks
Total: 60 Marks
(60 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

External Assessment (Theory): 35 Marks
(University Examination)

REFERENCES :

1. Kozier B, Erb, G & Oliver, R : Fundamentals of Nursing ;4th ed. California, Addison Wesley., 1991
2. Perry, A.G. & Potter, P.A.: Basic nursing essentials of practice; 5th ed. St. Louis, Mosby, 2003
3. Potter, P.A. & Perry, A.G.: Fundamentals of nursing; 5th ed. Mosby Harcott (India) Pvt. Ltd.
4. Beverly Witler Dugas : Introduction to patient care ; 4th ed., Saunders, 2002
5. White, Lois: Foundations of nursing caring for the whole person; U.S.A. Delmer Thompson Learning,
6. Luckmann, J & Sorensen, K.C.: Basic nursing: a psychophysiologic approach ; 3rd ed., W. B. Saunders, 2002
7. Park, J.E. :Text book of preventive and social medicine ; 17th ed., Banarasidas Bhanot, 2003

NUTRITION & DIETETICS

Placement: Ist Year **Time Allotted Theory : 30 Hrs.**
Practical : 15 Hrs.

COURSE DESCRIPTION :

This course is designed to provide the students with a wide knowledge of dietetics in Indian setting, that the practice of teaching optimum and realistic dietary planning can become an integral part of nursing practice.

OBJECTIVES : At the end of the course, the students will

1. Explain the principles and practices of nutrition and dietetics.
2. Plan therapeutic diets in different settings
3. Identify nutritional needs of different age groups and plan diet accordingly.
4. Prepare meals using different methods utilizing cookery rules.

COURSE CONTENTS :

UNIT I INTRODUCTION TO NUTRITION AND DIETETICS 8 Hrs

- Balanced diet, factors on which it depends.
- Factors to be considered in planning
- Guides available for planning
- Food Hygiene, preparation and preservation
- Review of nutrients – micro & macro

UNIT II INFANT AND CHILD NUTRITION 8 Hrs

- Feeding of normal infants: factors to be considered in planning, nutritional requirements
- Supplementary feeding of infants: Advantage and method of introduction.
- Weaning effects on mother and child.
- Psychology of infant and child feeding.
- Feeding the sick child. Diet in diseases of infancy and childhood.
- Deficiency – malnutrition, under nutrition, other nutrients deficiency.
- Feeding pre-school child: nutritional needs, factors to be considered in planning diets. Problems in feeding.

UNIT III INTRODUCTION TO DIET THERAPY 8 Hrs

- Introduction
- Routine hospital diets.
- Therapeutic diet under each unit i.e. Cardiovascular diseases, Gastrointestinal diseases, Renal disorders, Endocrine and metabolic disorders,
- Allergy, Infections and fevers,
- Pre and post operative stage,
- Deficiency diseases and malnutrition, overweight and underweight

UNIT IV COMMUNITY NUTRITION 6 Hrs

- Need for community nutrition programme.
- Nutritional needs for special groups: infant, child, adolescent,
- Pregnant and lactating mother and old people.
- Substitutes for non-vegetarian foods.
- Selection of cheap and nutritious foods. Nutrition education needs and methods.
- Methods of assessing nutritional status of individual / group / community.
- Current nutritional problems and national programmes (mid day meal etc.)

PRACTICUM :

I Methods of cooking and cookery rules.
1. Simple preparation of beverages, soups, cereals and pulses, eggs, vegetables, meat, multipurpose food snacks.
2. Menu Plans.

II Preparation of supplementary food for infants.
1. Food for toddlers.
2. Low cost nutritious dishes for vulnerable groups.
3. Dietary case study of patient on special diet and planning of low cost dietary instructions for home adaptations.
4. Planning of therapeutic diets.

EVALUATION :

Paper	Subject Nutrition & Dietetics	Duration	Internal Assessment	External Assessment	Total Marks
2.	Theory	2	15	35	050

Internal Assessment: 15 Marks
(Out of 15 Marks to be send to the University.)
Mid-Term: 25 Marks
Prelim: 35 Marks
Total: 60 Marks
(60 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

External Assessment (Theory): 35 Marks
(University Examination)

REFERENCES:

1) Clinical dietetics and Nutrition, Antia 4th ed.
2) Nutritive value of Indian foods, Gopalan, 1st ed.
3) Krause's Food, Nutrition & diet Therapy, Mahan, 11th ed.
4) Nutrition & diet therapy, Williams
5) Clinical Dietetics & Nutrition, Philip.

BIOCHEMISTRY & BIOPHYSICS

SECTION – A

BIOCHEMISTRY

Placement: Ist Year **Time Allotted Theory : 30 Hrs**
Practical :

COURSE DESCRIPTION :

The broad goal of teaching Biochemistry to Nursing students is to enable then to understand, the chemical processes taking place in the human body in health and disease. This will help them to increase the quality of patient care.

OBJECTIVES : At the end of the course, the students will

1. Identify the basic principles of Biochemistry
2. Understand and grasp the basic outline of chemistry and properties of important biomolecules like glucose, urea, etc
3. Summarize the working of enzymes and their importance as diagnostic tools for the clinician.
4. Describe the mechanisms involved in maintenance of body fluids along with electrolytes.
5. Be able to understand the concepts of laboratory medicine, which involves learning about physiological levels of important biomolecules and the underlying cause of change in these levels in disease states.

COURSE CONTENTS

UNIT I INTRODUCTION 2 hrs

- Introduction: importance of Biochemistry in Nursing
- Study of cell and its various components

UNIT II WATER AND ELECTROLYTES 2 hrs

- Distribution of water and its functions in human body (ECF & ICF)
- Water & Fluid balance
- Electrolyte Distribution and its functions in body
- Dehydration causes and consequences
- Electrolyte imbalance – causes, hypo and hypernatremia and kalemia

UNIT III ENZYMES 05 hrs

- Definition and Mechanism of action
- Factors affecting enzyme activities
- Enzymes in clinical diagnosis and its applications
- Precautions for handling specimens for enzymes estimation
- Digestion and Absorption of carbohydrates, proteins and lipids.
- Factors influencing the digestion and absorption
- Mal absorption syndrome

UNIT IV CARBOHYDRATES 05 hrs

- Elementary outline of Electron transport chain (ETC) and Biological Oxidation
- Elementary consideration of Mono, di and polysaccharides
- Fate of glucose in the body including-gluconeogenesis, glycogensis, glycolysis, glycogenoglysis. Storage of glucose.
- Outline and Importance of TCA Cycle (Kreb's cycle)
- Regulation of blood glucose levels. Glucose Tolerance test (GTT) Hyperglycemia, Hypoglycemia.

UNIT V PROTEINS – AMINO ACIDS & HARMONES 05 hrs

- Protein Chemistry
- Essential amino acids, properties and functions
- Important polypeptides
- Plasma Proteins and their functions
- Nucleic acids- DNA, RNA
- Biosynthesis of proteins in the cells and Role of nucleic acids in protein synthesis
- Nitrogenous constituents of Urine, blood their origin Urea cycle and Nitrogen balance. Uric Acid formation, gout.

UNIT VI LIPIDS 06 hrs

- Biological Importance of important lipids and their functions
- Cholesterol and Lipoproteins
- Sources occurrence and distribution
- Blood levels and Metabolism
- Biosynthesis of fats and storage of fats (B-oxidation)
- Role of liver in fat metabolism Fatty liver, its causes and prevention
- Goal of lipid metabolism in Atherosclerosis and Heart diseases
- Ketone body formation and its utilization.
- Causes and detection of ketosis

UNIT VII INTER-RELATIONSHIP IN METABOLISM 05 hrs

- Carbohydrates, Lipids, a Protein, minerals metabolism
- Nutrition calorie value of food, BMR, SDA, Balance Diet

REFERENCES

1. Anthikad, 'J' : Biochemistry for nurses ;New Delhi : Jaypee Brothers
2. Dandekar S.P. : Medical biochemistry (based on MCI guidelines) ;New Delhi : Jaypee Brothers
3. Das, Debajyoti : Biochemistry; New ed.; Calcutta, Academic publishers
4. Hodkinson M: Clinical biochemistry of the elderly; London: Churchill Livingstone, 1984
5. Malhotra, V. : Biochemistry for students; New Delhi: Jaypee Brothers, 1985
6. Nath, R.L.: Practice of biochemistry in clinical medicine, 1976
7. U Satyanarayana : Biochemistry; Books and Allied Ltd.
8. Eastham Duncan Robert: Biochemical values in clinical medicine; 8th ed.: John Cought and Sons Ltd., 1977

SECTION – B

BIOPHYSICS

Placement: Ist Year **Time Allotted Theory : 30 Hrs**
Practical :

COURSE DESCRIPTION :

The broad goal of teaching Biophysics to nursing students is to enable them to understand the application of physics principles while providing nursing care to the patients.

COURSE CONTENTS :

UNIT I **INTRODUCTION** **2 hrs**

- Introduction: Concepts of unit and measurements
  Fundamental and derived units
- Unit length, weight, mass, time.

UNIT II **MOTION** **2 hrs**

- Vector and scalar motion, speed, velocity and acceleration
- Newton's law of motion

UNIT III **GRAVITY** **3 hrs**

- Gravity: Specific gravity , centre of gravity, principles of gravity.
- Effect of gravitational forces on human body.
- Application of principles of gravity in nursing

UNIT IV **FORCE WORK & ENERGIES** **3 hrs**

- Force, work, Energy: Their units of measurement.
- Type and transformation of energy, forces of the body, Static forces.
- Principles of machines, friction and body mechanics.
- Simple mechanics – lever and body mechanics, pulley and traction, incline plane, screw.
- Application of these principles in nursing.

UNIT V **HEAT** **3 hrs**

- Heat : Nature, measurement, transfer of heat
- Effects of heat on matter
- Relative humidity, specific heat
- Temperature scales
- Regulation of body temperature
- Use of heat for sterilization
- Application of these principles in nursing

UNIT VI LIGHT 3 hrs

- Light: Laws of reflection
- Focusing elements of the eye, defective vision and its correction, use of lenses
- Relationship between energy, frequency and wavelength of light
- Biological effects of light
- Use of light in therapy
- Application of these principles in nursing

UNIT VII PRESSURRES 3 hrs

- Pressurres: Atmospheric pressure, hydrostatic pressure, osmotic pressure
- Measurements of pressures in the body
  - Arterial and venous blood pressures
  - Ocular pressure
  - Intracranial pressure
  - applications of these principles in nursing

UNIT VIII SOUND 2 hrs

- Sound: Frequency, Velocity and Intensity
- Vocalisation and hearing
- Use of ultrasound. Noise pollution and its prevention
- Application of these principles in nursing

UNIT IX ELECTRICITY 5 hrs

- Electricity and Electromagnetism : Name of Electricity, Voltage, Current, Resistance and their Units.
- Flow of electricity in solids, electrolytes , gases and vacuum.
- Electricity and human body
- ECG, EEG, EMG, ECT
- Pace makers and defibrillation
- Magnetism and electricity
- M.R.I. Scanning, CAT Scan

UNIT X NUCLEAR PHYSICS 2 hrs

- Atomic Energy : Structure of Atom, Isotopes and Isobars.
- Radioactivity : Use of radioactive isotopes
- Radiation protection units and limits, instruments used for detection of ionising radiation. X-rays.

UNIT XI ELECTRONICS 2 hrs

- Principles of Electronics: Common electronic equipments used in patient care.

PRACTICUM :

- Experiments and Tests should be demonstrated wherever applicable.

EVALUATION:

Paper	Subject Biochemistry & Biophysics	Duration	Internal Assessment	External Assessment	Total Marks
3.	Theory	3	25	75	100

Internal Assessment: 25 Marks
(Out of 25 Marks to be send to the University)

	Section - A Biochemistry	Section – B Biophysics	Total Marks
Mid-Term	25	25	--
Prelim	37	38	--
Total	62	63	125
Average out of	**13**	**12**	**25**

(62 Marks from Biochemistry (mid-term & prelim) to be converted into 13 Marks and 63 Marks from Biophysics (mid-term & prelim) to be converted into 12 Marks)

External Assessment (Theory): 75 Marks
(University Examination)
Section A: Biochemistry: 37 Marks
Section B: Biophysics: 38 Marks
Total Marks: 75 Marks

REFERENCES :

1) Flitter, H.H.(1989): An introduction to physics in nursing; 7th edition Delhi, All India Traveller Book seller. (Original American ed. Pub. by C.V.Mosby, St.Louis).
2) Sackheim, S.M.(1962): Practical Physics for nurses; 2nd ed. Philadelphia, W.B. Saunders Co.
3) Stearns, H.O.(1962): Fundamentals of physics and Applications; 2nd ed. New York, Macmillan Co.
4) T.N.A.I. (1966): Physics and Chemistry; Laboratory Manual for Student Nurses; 3rd ed. New Delhi, T.N.A.I.
5) Waters, M.(1958): Elementary physics for Nurses; 6th ed London, Faber and fabor.
6) KIGOUR, O.F.G.(1978): An Introduction to the physical aspects of Nursing Sciences; 3rd ed. London, William Heinemann Medical Books Ltd.
7) Nordmark, M.t and Rahweder, A.W.(1959): Science Principles in Nursing; Philadelphia, J.B. Lippincott.

PSYCHOLOGY

Placement: Ist Year **Time Allotted Theory : 60 Hrs**
Practical : 15 Hrs

COURSE DESCRIPTION :

This course is designed to orient students with regards to psychological principles, and widen their knowledge of the fundamentals of psychology. The course offers students an opportunity to understand the psychodynamics of patient behavior and to apply theoretical concepts in practical settings.

OBJECTIVES : The course aims towards the developing students skills in –

- Understanding herself and others
- Analysing her own thought and behavior patterns
- Using psychological principles to improve her efficiency in nursing care
- Applying psychological principles while performing nursing duties
- Distinguishing psychological processes during health and sickness
- Planning nursing care with regards to psychological needs and concerns
- Participating in psychological assessment of patients

COURSE CONTENTS

UNIT I INTRODUCTION TO PSYCHOLOGY 3 hrs

- Definition, history and scope
- Branches and methods
- Relationship with other subjects
- Psychology and the student nurse
- Habits and skills

UNIT II SENSATION, ATTENTION AND PERCEPTION 6 hrs

- Sensation – Definition and sensory processes
- Problems in sensation
- Attention – Definition, characteristics and types
- Factors affecting attention
- Distraction and sustaining attention
- Perception – Definition and characteristics
- Perception of form, depth and movement
- Types and difficulties in perception
- Problems and nursing care

UNIT III LEARNING 5 hrs

- Definition, nature and conditioning theories
- Learning process, laws and types and factors
- Learning during health and sickness

UNIT IV MEMORY AND FORGETTING 5 hrs

- Memory – Definition and nature
- Memory models and factors affecting memory
- Methods to improve memory
- Forgetting – Definition, explanation of forgetting
- Memory during health and sickness
- Forgetting during health and sickness

UNIT V MOTIVATION 6 hrs

- Definition, nature and theories
- Needs and motives – Biological and social
- Frustration and conflicts
- Types of conflicts
- Self actualization
- Application in nursing care

UNIT VI EMOTION 5 hrs

- Definition and meaning, theories
- Expressions and perceptions
- Emotions in sickness, nursing care

UNIT VII ATTITUDES 5 hrs

- Definition and nature, theories
- Factors influencing attitude formation
- Role of attitudes in health and sickness

UNIT VIII INTELLIGENCE AND ABILITIES 6 hrs

- Definitions and nature, theories
- Psychological testing and measurement
- Mental retardation and IQ
- Intelligence and abilities during sickness

UNIT IX PERSONALITY 7 hrs

- Definition, nature, factors influencing personality
- Theories of personality development
- Defence mechanism
- Psychological problems
- Personality disorders and nursing

UNIT X INDIVIDUAL DIFFERENCE 4 hrs

- Definition and significance
- Heredity and environment
- Role in health and sickness
- Implications in nursing

UNIT XI PSYCHOLOGICAL ASPECTS OF NURSING 5 hrs

- Behaviour during sickness
- Understanding the client
- Psychological approach in nursing care
- Psychological needs of child, adolescent, adult, aged Chronically ill and attendants

UNIT XII MENTAL HYGIENE 3 hrs

- Concepts and meaning of mental hygiene
- Characteristics of a mentally healthy person
- Factors influencing mental health

All theory topic lectures will be covered through interactive sessions with students.

PRACTICUM :

A 3 Experiments 9 hrs

- Attention
- Memory
- Learning

B 2 Psychological Tests (Rating Scales) 4 hrs

- Hardiness
- Positive Thinking

C Case Study 2 hrs

Discussion of a case with identification of expressed emotions, psychological needs, sources of conflict and attitudes expressed

Practicum will be recorded in a journal and will be scored as part of internal Assessment.

EVALUATION :

Paper	Subject Psychology	Duration	Internal Assessment	External Assessment	Total Marks
4.	Theory	3	25	75	100

Internal Assessment:
Theory: **15 Marks**
Practicum Assignment: **10 Marks**
Total: **25 Marks**
(Out of 25 Marks to be send to the University)
Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Marks
(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)
Practicum Assignments: **10 Marks**

External Assessment: **75 Marks**
(University Examination)

REFERENCES :

1. Bhatia, B.D. and Craig, M: Elements of psychology and mental hygiene for nurses; Chennai : Orient Longman Pvt. Ltd
2. Dandekar, W.N. : Fundamentals of experimental psychology ; Kolhapur : Moghe Prakashan
3. Hurlock, E. : Developmental psychology ; Singapore :Tata McGraw Hill Book Co.,
4. McGhee, A : Psychology as applied to nursing ; London : Churchill Livingstone
5. Morgan, C.T. and King, R.A.: Introduction to psychology ; Singapore : McGraw Hill Book Co.,

MICROBIOLOGY

Placement: Ist Year **Time Allotted Theory : 60 Hrs**
Practical : 30 Hrs

COURSE DESCRIPTION :

This course reorients the students to the fundamentals of Microbiology and its various sub-divisions. It provides opportunities to gain skill in handling and use of microscope for identifying various micro-organisms. It also provides opportunities for safe handling of materials containing harmful bacteria and methods of destroying microorganisms.

OBJECTIVES : After the course the students will develop

1. Identify common disease causing organisms
2. Basic principles of Microbiology & its significance in health & disease
3. Handling of infective specimens
4. Various methods of sterilization & disinfection
5. Role of nurse in hospital infection control system.

COURSE CONTENTS :

UNIT I INTRODUCTION 3 hrs

- General Microbiology : History, (Fracostoriues of Verona to the Latest Nobe Laureates short note on Pasteur and Koch) and Introduction (Why to study the subject?)
- Microscope (Types – dissecting to Electron measuring scale upto nanometer)

UNIT II GENERAL MICROBIOLOGY 3 hrs

- Morphology and Physiology (Size, Shape, struct., spore, flagella, capsule)
- Staining (demonstration) Gram's + Z N's + Motility

UNIT III BACTERIAL GROWTH REQUIREMENT 5 hrs

- Growth requirement of Bacteria + Bacteria growth curve
- Cultural media different
- Collection processing of sample and bacteria

UNIT IV STERILIZATION & DISINFECTION 5 hrs

- Sterilization + Disinfections
- Sterilization demo of instruments, Different disinfectants dilute
- Hospital infection control Biosafety + Fumigation and role of nurse
- Bacterial genetics (emphasis to drug resistance) Host parasite relationship

UNIT V **SYSTEMIC BACTERIOLOGY** **10 hrs**

(Morpho, growth requirements, diseases caused vaccine epideo)

- Pyogenic cocci causing diseases Staphyllococci
- Streprococci and Pneumococci and Neisseria
- Salmonella + Shigella
- E coli diarrheoa + Cholera + Pseudomonas
- C. diptheria + Chlamydia
- Anaorobes intro. + C. welchii
- C. tetani + nonsporing anaerobes mention diseases
- Tuberculosis
- Leprosy + Aty
- Spirocheate + Leptospira
- Chlamydia
- Demo different morphology of bacteria G + C, G + B, GNC, GNB
- Demo of organism Spore, Capsule, fungi, AFB

UNIT VI **SYSTEMIC MYCOLOGY** **5 hrs**

- Fungi intro., Dermatophytes
- Mycetophytes
- Mycetoma, Rhino, Crypto
- Candida and Lab. Diagnosis of fungal infections

UNIT VII **IMMUNOLOGY** **5 hrs**

- Immunity
- Antigen
- Antibody
- Ag X Ab reaction sererogical
- Immune Response
- Hypersensitivity

UNIT VIII **SYSTEMATIC PARASITOLOGY** **10 hrs**

- Intro classification and some terms
- Amoeba + Giardia
- Trichomonas + Leishmania
- Malaria + Toxoplasma
- Cestodes (Taenia sodium and saginata E. granuloses)
- Intestinal Nematodes
- Tissue Nematodes
- Vectors
- Diff. Parasites and vectors stool preparation demo

UNIT IX **SYSTEMATIC VIROLOGY** **8 hrs**

- Gen. Prop. Cultivation classification
- Herpes virus
- Picorna virus

- Measles, Mumps, Chicken pox
- Ortho and Arbo (Dengue)
- Rhabdo virus
- Hepatitis virus
- HIV and AIDS

UNIT X CLINICAL MICROBIOLOGY 6 hrs

- PUO, UTI, STD, Wound infection
- Micro – organism transmitted through food
- Food poisoning, food born infection

PRACTICUM :

- Each student will practice in laboratory as indicated in each unit of the courses outline. While giving nursing care in the wards they will practice collection and processing of specimens, prevention and control of hospital infections. Sterilization, immunisation, chemotherapy and maintenance of personal and environmental hygiene. Observation visit to incinerator, posting in CSSD and infection control department.

EVALUATION :

Paper	Subject Microbiology	Duration	Internal Assessment	External Assessment	Total Marks
5.	Theory	3	25	75	100

Internal Assessment:

Theory: 15 Marks
Journal Assignment: 10 Marks
Total: 25 Marks
(Out of 25 Marks to be send to the University)
Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Marks
(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

Journal Assignments: 10 Marks
External Assessment (Theory): 75 Marks
(University Examination

REFRENCES :

1) Ananthnarayan : Textbook of Microbiology
2) Chakravarti : Textbook of Microbiology
3) Chattergey K.D. : Text book of Parasitology
4) Panikar : Textbook of Parasitology
5) Konemen : Textbook of Medical Microbiology
6) Marion E. Wilson : Microbiology in Nursing Practice.

MATERNAL NURSING

Placement: Ist Year **Time Allotted Theory : 60 Hrs**
Practical : 240

COURSE DESCRIPTION ;

The course is designed to widen the student's knowledge of obstetrics during pregnancy, labour and peurperium. It also helps to acquire knowledge and to develop skill in rendering optimum nursing care to a child bearing mother in a hospital or in community and help in the management of common gynaecological problems.

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

1. Describe the physiology of pregnancy, labour, and puerperium.
2. Manage normal pregnancy, labour and puerperium.
3. Explain the physiology of lactation, and advice on management of breast feeding.
4. Provide pre- and post operative nursing care in obstetric conditions.
5. Identify and manage high risk pregnancy including appropriate referrals.
6. Propagate the concept and motivate acceptance of family planning methods.
7. Teach , guide and supervise auxiliary midwifery personnel.

COURSE CONTENT

UNIT I INTRODUCTION AND HISTORICAL REVIEW 5 hrs.

- (a) Early history of midwifery and evolution of obstetrics
  Maternity care and practices in various culture across the world.
  Expanded role of the nurse in maternity and gynaecology.
- (b) Safe motherhood initiative
  Maternal mortality, morbidity and perinatal mortality.
  Legislation related to maternal benefits, MTP acts, incentives and Family planning. Family welfare programme.

UNIT II ANATOMY AND PHYSIOLOGY OF FEMALE REPRODUCTIVE SYSTEM 6 hrs.

- Review of anatomy and physiology of female reproductive system.
- Female pelvis and foetal skull.
- Menstrual cycle
- Human reproduction, gametogenesis, fertilization, embryo.
- Placenta, foetal membrane, liquor amnii, umbilical
- The foetus, foetal growth, foetal physiology, foetal circulation.

UNIT III NORMAL PREGNANCY 8 hrs.

- Physiological changes during pregnancy
- Diagnosis of pregnancy and antenatal care
- Antenatal assessment of foetal well being.
- Physiology of normal labour
- Mechanism of normal labour.
- Management of I, II, and III stages of labour.
- Physiology of puerperium.
- Physiology of lactation and breast feeding
- Management of normal puerperium

UNIT IV NEW BORN BABY 6 hrs.

- Resuscitation and immediate care of newborn.including SGA & LGA
- Normal characteristics and essential care of newborn.
- Asphyxia Neonatarum, respiratory distress
- Jaundice in newborn
- Birth injuries, congenital anomalies, infection in newborn, and vomiting in newborn.
- Still birth – incidence, causes and prevention.
- Care of low birth weight babies in labour room and nursery / NICU.

UNIT V MEDICAL DISORDERS IN PREGNANCY 5 hrs.

- Hypertensive disorders – Pregnancy induced hypertension, Eclampsia.
- Anaemia in pregnancy
- Diabetes mellitus in pregnancy
- Heart diseases
- Renal disorders in pregnancy
- Jaundice in pregnancy
- Pulmonary TB
- Pregnancy with STD, HIV / AIDS.

UNIT VI HIGH RISK PREGNANCY 10 hrs.

- Abortion
- Hydatiform mole
- Ectopic pregnancy
- Medical termination of pregnancy
- Antepartum haemorrhage – Placenta previa, Abruptio placenta
- Vomiting in pregnancy
- Pregnancy in Rh negative women
- Multiple pregnancy, hydramnios
- Preterm labour
- Premature rupture of membrane

- IUGR, postdatism
- Pregnancy with previous caesarean section
- Fibroid with pregnancy
- Ovarian tumour with pregnancy

UNIT VII HIGH RISK LABOUR 3 hrs.

- Abnormal presentation – Unstable lie, Occipitoposterior, face and brow presentation
- Breech presentation, compound presentation
- Abnormal uterine action in labour and active management of labour
- Contracted pelvis and CPD
- Obstructed labour, rupture of uterus, injuries of maternal birth canal, cord prolapse.

UNIT VIII ABNORMALITIES OF PUERPERIUM 4 hrs.

- Puerperial pyrexia and sepsis
- Post partum haemorrhage
- Breast complications – Breast engorgement, breast abscess, acute mastitis
- Psychiatric disorders in puerperium

UNIT IX OBSTETRICAL EMERGENCIES & OPERATIVE OBSTETRICS 3 hrs.

- Uterine rupture, cervical tear
- D & E , S & E
- Use of instruments – Ephysiotomy Forcep, Vaccuum
- Caesarean section

UNIT X PHARMACOTHERAPEUTICS 2 hrs.

- Oxytocics, Prostaglandins – use in obstetrics
- Anaesthesia and analgesics used in obstetrics

UNIT XI SPECIAL INVESTIGATIONS IN OBSTETRICS 2 hrs.

- USG, NST, CTG
- Radiography

UNIT XII CURRENT TRENDS IN REPRODUCTIVE HEALTH(RCH) 4 hrs.

- Infertility, genetic counseling
- Unwanted pregnancy
- Unwed mother
- Advances in obstetrics and maternity care.

UNIT XIII GYNAECOLOGYCAL NURSING 4 hrs.

- Common Gynaecological Problems

- Cervical erosions, Carcinoma
- Fibroids, Utterine and Cervical Prolans
- Uterine Inversion etc

PRACTICUM : Practice following Procedures

- Antenatal, Postnatal & per vaginal exam.
- Conduct normal delivery (For male candidates minimum conduct of 5 deliveries)
- Motivation of Planned Parenthood, advice on family planning methods.
- Assist in various diagnostic & therapeutic procedure including IUD insertion & removal.
- Follow Nursing process in providing care to 3-6 patients.

PRACTICUM / CLINICAL EXPERIENCE : **TOTAL HOURS : 240**

- Antenatal OPD or ANC Ward : **hours : 50**
- Labour Room : **hours : 60**
- Post natal ward/ OPD : **hours : 50**
- Gyaence ward : **hours : 30**
- OPD, Family Planning clinics & visits : **hours : 30**
- Operation Theatre : **hours : 20**

EVALUATION:

Paper	Subject Maternal Nursing	Duration	Internal Assessment	External Assessment	Total Marks
6.	Theory	3	25	75	100
1.	Practical		50	50	100

Internal Assessment:

Theory: **25 Marks**
Practical: **50 Marks**
Total: **75 Marks**

Details as follows:

Internal Assessment (Theory): **25 Marks**
(Out of 25 Marks to be send to the University)

Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Marks
(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

Internal Assessment (Practical): **50 Marks**
(Out of 50 Marks to be send to the University)

Details as follows:

1. Mid-Term Exam: 050 Marks

2. Preliminary Exam: 050 Marks
3. Clinical Evaluation & Clinical Assignment: 500 Marks
   i) Case study: Two (50marks each): 100 Marks
   ii) Case presentation: One: 050 Marks
   iii) Clinical evaluation (100 marks each): 300 Marks
   ANC/ LABOUR ROOM/ PNC
   iv) Group Health teaching (One): 025 Marks
   v) Nursing care Plan (Gyanae: One): 025 Marks

Total Marks: 600 Marks

(600 Marks from Practical to be converted into 50 Marks for Internal Assessment (Practical))

External Assessment (Theory): 75 Marks (University Examination)
External Assessment (Practical): 50 Marks (University Examination)

REFERENCES

1. Myles Text Book of Midwives , Eds; Diane M. Fraser and Margaret A. Cooper 14th Ed , Churchill Livingstone.
2. D.C. Dutta Text Book of Obstetrics including Perinatology and Contraception 6th Edition , 2004 New Central Book Agency.
3. Hawkins and Bourne , Shaws Textbook of Gynaecology, Eds; V.G Padubidri and Shirish N Daftary, 13th ed, Reed Elseiver India.
4. S S Ratnam, K Bhasker Rao and S Arulkumaran, Obstetrics and Gynaecology for Postgraduates , Vol 1 and Vol 2, Orient Longman Ltd 1994
5. lower milk, perry, Bobak:"Maternity and women's Health Care" 6th ed.; 1997. C.V Mosby.
6. C.S.Dawn: Textbook for obstretics & neonatology 12th edition.

CHILD HEALTH NURSING

Placement: Ist Year **Time Allotted Theory : 60hrs**
Practical : 240hrs

COURCE DISCRIPTION :

This course is aimed at developing an understanding of the modern approach to child care, the principles of child health nursing and the common problems of neonates and children in health and sickness.

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

1. Explain the modern concept of child care and the principles of child health nursing.
2. Describe the normal growth and development of children in various age groups.
3. Explain the physiological response of body to disease conditions in children.
4. Identify the health needs and problems of neonates and children, plan and implement appropriate nursing interventions.
5. Identify the various preventive, promotive and rehabilitative aspects of child care and apply them in providing nursing care to children in the hospital and in the community.

COURSE CONTENT

UNIT I INTRODUCTION TO CHILD HEALTH NURSING 8 hrs.

- Modern concept of child care
  Internationally accepted rights of the child.
- Changing trends in hospital care, preventive, promotive and curative aspects of child health Child morbidity and mortality rates
- National policy and legislation's in relation to child health and welfare.
- National programmes related to child health and welfare.
- Differences between adult and child
- Hospital environment for a sick child and role of a paediatric nurse in caring for the hospitalized child
- Principles of pre and post operative care of infants and children
- Paediatric nursing procedures Prepn of child for diagnostic tests, collection of specimens, calculation and administration of oral and parenteral medication, feeding, adm of oxygen, nebulisation ,collection of specimens ,exchange transfusion, restraints

UNIT II THE HEALTHY CHILD 12 hrs.

- Growth & development ---. Principles & factors affecting growth & development.
- Assessment of growth and development

Growth & development from birth to adolescence, needs of normal children through stages of development and parental guidance.

- Nutritional needs of infants and children principles of paediatric nutrition
  Breast feeding
  Artificial feeding & Weaning
- Infancy ,toddler, pre schooler, school age child and adolescents.
- Role of play in children - Need, importance and value of play, selection of play material and nurse's role.
- Preventive immunization

UNIT III CARE OF THE NEWBORN. 4 hrs.

- Characteristics and care of a newborn.
- Asphyxia neonatorum & neonatal resuscitation.
- Low birth weight infants
- Nursing management of common neonatal disorders.
  - Neonatal jaundice & photo therapy
  - Neonatal sepsis & hypoglycemia
  - Organization of Neonatal units, Prevention & Control of infection
  - Critical care concept in child health

UNIT IV NURSING MANAGEMENT OF COMMON CHILDHOOD ILLNESS. 32 hrs.

- (a) **<u>Nutritional deficiency disorders.</u>**
  - Protein energy malnutrition
  - Vitamin deficiency disorders
    (Rickets, scurvy, Vit A deficiency disorders)
- (b) **<u>Respiratory diseases & disorders</u> .**
  - Acute bronchitis & Bronchiolitis
  - Pneumonia
  - Branchial Asthama
- (c) **<u>Disorders of the gastro-intestinal system.</u>**
  - Acute gastroenteritis
  - Tracheo esophageal fistula
  - Cleft lip and palate
  - Hypertrophic Pyloric Stenosis
  - Hirschsprung's disease & Intestinal Obstruction
  - Anorectal anomalies
- (d) **<u>Cardiovascular system</u>**
  - Rheumatic fever
  - Congenital heart diseases
  - Congestive cardiac failure
- (e) **<u>Disorders of Genito urinary System</u>**
  - Acute glomerulo nephritis
  - Nephrotic Syndrome
  - Wilm's tumour &Congenital disorders
- (f) **<u>Neurological disorders</u>**
  - Convulsions in children & Epilepsy

- Meningitis & Encephalitis
- Hydrocephalus, Meningocele and meningomyelocele

- (g) **Haematological disorders**
  - Anaemia & Thalassemia
  - Idiopathic thrombocytic Purpura & Hemophilia
  - Leukaemia
- (h) **Endocrine Disorders**
  - Juvenile Diabetes Mellitus
- (i) **Orthopaedic Disorders**
  - CTEV (Club foot) , Congenital hip dislocation
  - Fractures
- (j) **Disorders of Skin, Eye & ENT**

  Skin : Eczema, urticaria, scabies, pediculosis, worm infestations

  Eye & ENT : Tonsillitis, Deafness, Otorrhoea, Otitis Media, Cong Cataract, hypertelorism
- (k) **Communicable Diseases in Children**
  - Measles/rubella, Chicken pox
  - Diphtheria, whooping cough
  - Tetanus, Poliomyelitis
  - AIDS
  - Tuberculosis
- (m) **Paediatric Emergencies**
  - Accidents, Poisoning ,Stings & Bites
  - Foreign bodies, Haemorrhage & Drowning Burns

UNIT V MANAGEMENT OF BEHAVIOURAL PROBLEMS IN CHILDREN CHILDHOOD ILLNESS. 04 hrs.

- Enuresis, Encoprecis, temper tantrums somnambulism, juvenile delinquency, speech defects, tics, pica, antisocial behaviour
- **Management of challenged children**

  Need for early diagnosis ,treatment and rehabilitation of Mentally challenged – Mental retardation
- Physically challenged – Cerebral palsy

  Socially challenged – Child abuse & child labour

PRACTICUM

The students will :-

1. Be posted in paediatric medical and surgical ward, OPD in hospital, health centre and neonatal unit..
2. Visit a centre for handicapped children and child welfare centre and write observation report.
3. Write an observation study of normal children of various age groups in home/nursery school/creche.
4. Follow nursing process in providing care to 3-6 children.
5. Write at least two nursing care studies and do a presentation.
6. Give two planned health teachings, one in hospital and one in OPD/health centre.
7. Practice the following nursing procedures :

   7.1. Taking pediatric history

7.2. Physical assessment of children
7.3. Baby bath
7.4. Feeding – spoon & vati, nezogastric feeding.
7.5. Restraining
7.6. Calculation of dosage of drugs and administration of medications and injections & Intra Venous Infusion.
7.7. Collection of specimens
7.8. Enema. bowel wash. colostomy irrigation
7.9. Steam and Oxygen inhalation
7.10. Preparation to assist with diagnostic tests and operations
7.11. Examination/Assessment of a newborn
7.12. Neonatal resuscitation
7.13. Care of a baby in incubator and on ventilator
7.14. Photo therapy
7.15. Assist in exchange transfusion and other therapeutic procedures

CLINICAL EXPERIENCE : **Total Hours : 240**

- Pediatric Medical **hours : 60**
- Pediatric Surgical **hours : 60**
- Intensive Pediatric Critical Unit **hours : 30**
- NICU **hours : 30**
- OPDs including (CWC, CGC) **hours : 30**
- Visits – (various agencies: i.e., crèches, schools, nursery, Special schools & handicapped, etc.) **hours : 30**

EVALUATION :

Paper	Subject Child Health Nursing	Duration	Internal Assessment	External Assessment	Total Marks
7.	**Theory**	3	25	75	100
2.	**Practical**		50	50	100

Internal Assessment:

Theory: **25 Marks**
Practical: **50 Marks**
Total: **75 Marks**

Details as follows:

Internal Assessment (Theory): **25 Marks**
(Out of 25 Marks to be send to the University)

Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Marks
(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

Internal assessment (Practicum): **50 Marks**
(Out of 50 Marks to be send to the University)
Practical Exam
1) Mid-Term exam 050 Marks

2) Prelim 050 Marks

3) Clinical Evaluation & Clinical Assignment: 500 Marks

i) Case study (two): 100 Marks
(One Paediatric Medical &
One paediatric surgical-50 marks each)

ii) Case presentation (one) 050 Marks

iii) Clinical evaluation of compressive
nursing care- 300 Marks
(One paediatric medical, One paediatric
surgical & One NICU-100 Marks each)

iv) Health teaching 025 Marks

v) Assessment of growth and development 100 Marks
(Preterm baby, Infant, Toddler, Preschloolar,
and schoolar **(**Marks 20 each).

Total: 675 Marks

(675 Marks from Practicum to be converted into 50 Marks)

External Assessment: 125 Marks
(University Exam)

Theory: 75 Marks
Practical: 50 Marks
Total: 125 Marks

REFRENCES:

1. Marlow Dorothy and Redding. Text book of Peadiatric Nursing. 6th edition Hartcourt India Ltd, New Delhi, 2001.
2. Wong Dona et al. Whaley and Wongs Nursing care of Infants and children. 6th edition. Mosby Company, Philadelphia, 2000.
3. Black G Florence and Wright. Essential of Paediatric Nursing. JB Lippincott & Co. Philadelphia.
4. Parthasarathy et al. IAP Text book of Peadiatrics. 1st edition Jaypee Brothers, New Delhi-2000.
5. Ghai OP et al. Ghai's Essentials of Peadiatrics. 5th edition. Mehta Offset works, New Delhi, 2000
6. Vishwanathan and Desai. Achar's Text book of Paediatrics. 3rd edition. Orient Langman. Chennai, 1999.

MEDICAL –SURGICAL NURSING

Placement : Ist Year. **Allotted Theory: 90hrs.**
Practical: 270hrs.

COURSE DESCRIPTION :

The purpose of this course is to widen the students' knowledge and develop proficiency in caring for patients with Medical Surgical problems. This course includes review of relevant anatomy & physiology, pathophysiology in Medical Surgical disorders & the nursing management of these conditions.

OBJECTIVES : At the end of the course, the F.Y.B.Sc. Nursing students will-

1. explain relevant Anatomy & Physiology of various systems of the body.
2. explain eitiology, pathophysiology & manifestations of various disorders.
3. explain the actions, side-effects & nursing implications in administering drugs for various disorders.
4. discuss the recent advancement in the investigations, treatment & care of patients with Medical Surgical conditions.
5. develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
6. assist the patients & their families in identifying & meeting their own health needs.
7. provide planned & incidental health education on various aspects related to disorder & relevant care.
8. appreciate the role of the nurse in the Medical Surgical health team.

COURSE CONTENTS :

UNIT I INTRODUCTION TO MEDICAL SURGICAL NURSING *4 hrs*

- Introduction to medical surgical nursing.
- Review of concepts of comprehensive nursing care in medical surgical conditions.
- Nurse, patient & his/her family
- Functions of nurse in the outpatient department.
- Intensive care units. * Staff requirement. Client's needs & nsg. care.

UNIT II NURSING MANAGEMENT OF PATIENTS WITH SPECIFIC PROBLEMS 10 hrs

- Fluid & electrolyte imbalance.
- Dyspnoea, cough & respiratory obstruction.
- Fever & nursing care.
- Shock & nursing care.
- Unconsciousness & nursing care.
- Pain perception & nursing care.

- Acute & chronic illness & nursing care.
- Terminal illness & nursing care.
- Ageing & illness & nursing care.
- Pre & post-operative care.
- Nursing care of clients with incontinence.

UNIT III NURSING MANAGEMENT OF PATIENT WITH NEUROLOGICAL & NEURO-SURGICAL CONDITIONS. 08 hrs.

- Review of anatomy & physiology of the nervous system & assessment of clients with CNS disorders.
- Pathophysiology, diagnostic procedures & management of :
  - cerebro-vascular accident & nursing care.
  - cranial, spinal & peripheral neuropathies & nursing care.
  - headache & intractable pain & nursing care.
  - epilepsy & nursing care.
  - nursing care of clients with infectious & inflammatory diseases & trauma of the nervous system.
  - nursing care of clients with common CNS disorders.
  - recent advances in diagnostic & treatment modalities & drugs used in CNS disorders.
  - brain, spinal tumours, congenital malformations, degenerative disorders.

UNIT IV NURSING MANAGEMENT OF PATIENTS WITH CARDIO-VASCULAR PROBLEMS. 08 hrs

- Review of relevant anatomy & physiology of cardio-vascular system & assessment of clients with cardio-vascular disorders.
- Pathophysiology, diagnostic procedures & management of-
  - ischaemic heart disease.
  - cardiac arrhythmias.
  - congestive cardiac failure.
  - rheumatic & other valvular heart diseases.
  - endocarditis, cardiomyopathies, congenital heart diseases, hypertension, heart block.
  - cardiac emergencies: cardiac arrest, acute pulmonary oedema, cardiac tamponade, cardiogenic shock, aneurisms & periphero-vascular disorders, recent advancement in cardiology.

UNIT V NURSING MANAGEMENT OF PATIENT WITH RESPIRATORY PROBLEMS. 06 hrs

- Review of anatomy & physiology of respiratory system & assessment of clients with respiratory disorders.
- Pathophysiology, diagnostic procedures and management of upper and lower respiratory track infection
  - Bronchitis, bronchiectasis & nursing care.
  - Asthama, emphysema, empyema, atelectasis, COPD and nursing care.

- Chest injuries, resp. arrest & insufficiency
- Special respiratory therapies & drugs used in the management.

UNIT VI NURSING MANAGEMENT OF CLIENTS WITH GENITO-URINARY PROBLEMS. 05 hrs.

- Review of anatomy & physiology of the genito-urinary system & assessment of clients with genito-urinary problems.
- Pathophysilogy & management of-
  - congenital disorders, urinary infections.
  - nephritis, renal calculi.
  - acute renal failure, chronic renal failure, end stage renal disease.
  - special procedures : dialysis, renal transplant.
  - benign prostatic hypertrophy.
  - drugs used in the management of these patients.

UNIT VII NURSING MANAGEMENT OF CLIENTS WITH PROBLEMS OF THE DIGESTIVE SYSTEMS 10 hrs.

- Review of anatomy & physiology of gastro-intestinal system & accessory organs& assessment of clients with gastro-intestinal tract disorders.
- Pathophysiology, diagnostic procedures & management of -
  - gastro-intestinal bleeding.
  - peptic ulcer.
  - acute abdomen.
  - infections, colitis, diarrhoea, dysentry & mal-absorption syndrome.
  - cholecystitis.
  - hepatitis, hepatic coma & cirrhosis of liver, portal hypertension.
  - pancreatitis.
  - tumours, hernias, fistulas, fissures, haemmorrhoids.
  - drugs used in the management of these patients.

UNIT VIII NURSING MANAGEMENT OF PATIENTS WITH ENDOCRINE PROBLEMS. 5 hrs

- Review of anatomy & physiology & assessment of clients with endocrine disorders.
- Pathophysiology, diagnostic procedures & management of -
  - thyroid disorders.
  - diabetes mellitus, diabetes insipidus.
  - adrenal tumours, pituitory disorders.
  - drugs used, diagnostic procedures & nursing management of patient with above problems.

UNIT IX NURSING MANAGEMENT OF PATIENTS WITH MUSCULO-

SKELETAL PROBLEMS. **5 hrs.**

- Review of anatomy, physiology & assessment of patients with musculo-skeletal disorders.
- Osteomalacia, osteoporosis, osteomyelitis, bursitis.
- Fractures, dislocation & trauma.
- Prolapsed disc.
- Prosthesis & rehabilitation.
- Transplant & replacement surgeries.

UNIT X **NURSING MANAGEMENT OF PATIENTS WITH DISORDERS OF FEMALE REPRODUCTIVE TRACT.** **3 hrs.**

- Disorders of menstruation & inf. of genital tract. *Benign & malignant tumours of genital tract & RVF & VVF. * Climacteric changes & associated problems.

UNIT XI **NURSING MANAGEMENT OF PATIENTS WITH ONCOLOGICAL DISORDERS.** **5 hrs.**

- Types of neoplasms & related pathophysiology, diagnostic procedures,
  modalities of treatment & nurses' role.
- Special therapies : chemotherapy & radiotherapy & nsg. care.
- Preventive measures, other therapies.

UNIT XII **NURSING MANAGEMENT OF PATIENTS WITH BURNS & RECONSTRUCTIVE SURGERIES.** **3 hrs.**

- Pathophysiology, assessment & nursing management of patients with burns.
- Nursing management of patients with reconstructive surgeries.

UNIT XIII **NURSING MANAGEMENT OF PATIENTS WITH COMMUNICABLE DISEASES, STDS & HIV/AIDS.** **5 hrs.**

- Nursing management of patients with common communicable diseases & STDs.
- Nursing management of patients with immunological disorders including HIV/AIDs.

UNIT XIV **NURSING MANAGEMENT OF PATIENTS WITH DISEASES OF EYE,EAR,NOSE,THROAT & SKIN.** **5 hrs.**

- Assessment & nursing management of patients with eye disorders.
  (eye injuries, catract, inf., blindness)
- Assessment & nursing management of patienst with ear disorders (deafness).
- Assessment & nursing management of patients with nose & throat disorders. (DNS, tonsillitis).

- Assessment & nursing management of patients with skin disorders.
  (fungal inf., herpes, psoriasis etc)

UNIT XV NURSING MANAGEMENT OF PATIENTS WITH BLOOD DISORDERS. 5 hrs.

- Review of anatomy & physiology of blood & blood products.
- Pathophysiology, diagnostic procedures & management of blood disorders.
  - anaemia, leukaemia.
  - bleeding disorders, haemophilia, purpura etc.
  - blood transfusion, safety checks, procedure & requirements, management of adverse transfusion reaction, records for blood transfusion.
  - management & counseling of blood donors, phlbotomy procedure, & post-donation management.
  - blood bank functioning & hospital transfusion committee. Biosafety & waste management in relation to blood transfusion.

UNIT XVI NURSING IN EMERGENCIES. 3 hrs.

- Cardiac emergencies. (included in unit iv)
- Trauma.
- poisoning.
- crisis mgt :thyroid, hypertensive, & adrenal crisis included in unit viii & iv.

PRACTILUM/CLINICAL EXPERIENCS : Total hrs. 270.

1. Medical unit	**hrs.25.**
2. Surgical Uni	**hrs.25.**
3. Cardiology Unit	**hrs.30.**
4. Neurology Unit	**hrs.30.**
5. Intensive care Unit	**hrs.35.**
6. Critical care Unit	**hrs.35.**
7. Burns Unit	**hrs.15.**
8. Orthopaedic Unit	**hrs.15.**
9. Opthalmic Unit	**hrs.10.**
10. Ear, Nose Throat Unit	**hrs.10.**
11. Artificial Kidney Dylasis	**hrs.15.**
12. Onchology Unit	**hrs.10.**
13. Skin ward	**hrs.10**
14. General OPD	**hrs.05.**

EVALUATION :

Paper	Subject Medical & Surgical Nursing	Duration	Internal Assessment	External Assessment	Total Marks
8.	Theory	3	25	75	100
3.	Practicals		50	50	100

Internal Assessment:

Theory: **25 Marks**
Practical: **50 Marks**
Total: **75 Marks**

Details as follows:

Internal Assessment (Theory): 25 Marks

(Out of 25 Marks to be send to the University)

Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Mark

(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

Internal Assessment (Practical): 50 Marks

(Out of 50 Marks to be send to the University)

Practical Exam

Mid-Term Exam 050 Marks
Prelim 050 Marks
3) Clinical Evaluation & Clinical Assignment: 600 Marks
1. Case Study (Two) (50 Marks Each) 100 Marks
(One Medical & One Surgical Nursing)
2. Case Presentation (Two) (50 Marks Each) 100 Marks
(any specialty i.e., ENT/Ophthalmology/Skin/Burns.)
3. Nursing care plans (25 marks each) 100 Marks
i.e., Neurology/Orthopedic/Cardiology/Onchology.
4. Clinical Evaluation Comprehensive Nursing Care-300 Marks
(100 marks each) i.e., medical Nursing, Surgical Nursing, Critical Care Units
Total: 700 Marks
(700 Marks from practical to be converted into 50 Marks)

External Assessment: 125 Marks (University Examination)

Theory : 75 Marks
Practical: 50 Marks

REFERENCES:

1. **LongPhipps. Casseyer. Medical Surgical Nursing. A Nursing process approach. Pub. Mosby co. 1993**
2. **Lewis, Collier, Heitcemper. Medical Surgical Assessment& management of clinical problems.**
3. **Brunner & Suddharth. Medical Surgical Nursing Pub. J.B.Lippincott co.**
4. **Luckmann& Sorensen. Medical Surgical Nursing A phschophysiologic approach. Pub. W.B. Saunders co.**
5. **Joyce M. Black, E.M. Jacobs; Medical, Surgical Nursing, Clinical Management for continuity of care; 5th ed. ; 1997; by W.B. Saunders company.(part I&II).**

ENGLISH

Placement: Ist Year **Time Allotted: Theory – 60 Hrs**

COURSE DESCRIPTION :

This course is designed to help the student understand and usage of English language required for their professional work.

OBJECTIVES : After the course the students will develop

1. Ability to speak and write grammatically correct English
2. Effective skill in reading and understanding the English language
3. Skill in reporting

COURSE CONTENTS :

UNIT I **15 hrs.**

- Remedial study of Grammer
- Review of grammer, vocabulary and effective use of dictionary
- Prepare task oriented seminars
- Symposia and panel discussion

UNIT II **10 hrs.**

- The ability to understand selected passage and express meaning in one's own words.
- Reading and comprehension of the prescribed books

UNIT III **20 hrs.**

- The study of various forms of composition
- Note taking
- Diary
- Nurses notes, anecdotal records
- Writing of summary
- Nurses reports on health problems

The students will submit one sample of each item from her own practical experience.

UNIT IV **15 hrs.**

- Verbal communication
- Oral reports
- Summarization of discussion
- Debate
- Listening comprehension – Film, Cassette and Radio

PRACTICUM :

- The clinical experience in the wards and bed side nursing will provide opportunity for students to fulfill the objectives of learning language.
- Assignment on writing and conversation through participation in discussion, debates, seminars and symposia. The students will gain further skills in task oriented communication.

EVALUATION :

Paper	Subject * English (Qualifying)	Duration	Internal Assessment	External Assessment	Total Marks
9.	Theory	--	100 College level qualifying exam, minimum passing Marks 33%.		100

*** College level qualifying exam to appear in University Examination, minimum passing Marks 33%.**

Internal Assessment: 100 Marks

(Out of 100 Marks to be send to the University along with Internal Assessment Marks of other subjects for inclusion in the Mark Sheet.)

Mid-Term: 50 Marks
Prelim: 50 Marks
Total: 100 Mark

REFRENCES :

Some extracts from the book " How to Win Friends & Influence People" – Dale Carnegie

MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

IInd YEAR

POST BASIC B.Sc NURSING

SYLLABUS

2005-2006

SOCIOLOGY

Placement: IInd Year **Time Allotted: Theory : 60 Hrs**

COURSE DESCRIPTION :

This course is to reorient students to sociology related to community of social institutions in India and its relationship with health, illness and nursing.

OBJECTIVES : At the end of the course, the student will

- describe sociological concepts applicable to nursing
- determine role of sociology in nursing as related to social institutes in India.
- Develop positive attitudes towards individual family and community.

COURSE CONTENTS :

UNIT I INTRODUCTION OF SOCIOLOGY TO NURSING 5 hrs

- Behavioural sciences, social sciences, arts and sciences-meaning , fields and scope, their relationship with nursing
- Concepts of social development and indicators of health, role of nurse as a social scientist and change agent in health for all.
- Development of medical sociology – meaning, fields, scope, sociology and nursing methodology of sociology, sociology as science.
- Meaning, definition, scope and significance of sociology, contribution of August Comte, Durkheim, Max Weber, Maciver to the development of sociology. Contribution of Indian sociologists such as Radhakamal Mukherjee, Ghurye, Kapadiam Sriniwas.
- Individual and society, their relationship with each other approaches to study their interdepending atomism and holism and contract theory.

UNIT II FUNDAMENTAL CONCEPTS IN SOCIOLOGY 15 hrs

- Concepts its meaning, utility –primary concepts in sociology – institutions, association, organisation-meanings, definitions, functions, comparison
- Groups – types, classification, meanings, definitions, characteristics of primary and secondary groups. Their comparison, ingroup, outgroup, reference group
- Social groups crowds-features, characteristics type, nature, formation of crowd, public, audience as a group, public opinion, nation, race
- Society- development of society from primitive, slavery, feudal, capitalist to complex. Relevance of societal knowledge to health workers.
- Human society and animal society comparison uniqueness of Human society language, adaptation of man to nature, environment, ecology from primitive to modern development with reference to health practices.
- Indian society-its peculiarities – tribal community, rural community and comparison, pachayat raj-doctrin of karma dharma artha and kama, moksa, ashram in traditional hindu society.
- Status and role – type, function, characteristics of status and role, relationship between status and role, doctor's role, nurses role, patients role.
- Concepts of structure and functions – elements definitions-meanings of structure and function, interdependence, social dysfunction causes
- Social system – definition, meanings characteristics, prerequisite of social system, type of social system
- Social stratification – features, significance (or functions) and functional necessities if stratification forms of stratification – caste and class

- Caste system unique feature of Indian social system, nature of caste system, hierarchy, segmental division, restrictions or taboos, civil and religious disabilities, limited choice of occupation, endogamy advantage maintaining partly of genes Dr. G.S. Guyrye's contribution
- Class system – division three-upper, middle, lower, features, characteristics Karl Marx's theory of class formation, distinction between class and caste.

UNIT III SOCIAL INSTITUTIONS 10 hrs

- Social institutions – features, functions (role) meanings, definitions-distinction between institutions and community, institutions and association, institutions and society, various social institutions
- Norms as social institutions, meanings, definitions, characteristics, classifications of norms – mores, taboos, customs, folkways, fashion-fads, laws institutionalize
- Marriage as institution, definition, meanings, nature, type, characteristics, forms of marriage, functions of marriage
- Family as institution-meaning definitions, types, characteristics, functions or roles of family a basic unit or group of society
- Family traditional and modern, Indian family, role of women in traditional and modern family, divorce, family problems, problem family.
- Role of family in health, illness and diseases, family and nurse, role of family in the context of women's and children's health in India from girl, marriage, oldage.
- Religion institution, definition, meanings, basic components – a system of beliefs and rituals, ancient and modern concepts. Indian set up religion Hindu, Jain, Buddhism Islam, Christianity.
- Economic as Institution – meanings, definitions stages of economic life- food gathering, pastoral, agricultural, industrial
- Education Institutions – definitions, meanings, functions, roles, history of education and developments
- Politics as institutions – definitions, meanings, functions, roles, changing pattern, emperor, democracy, govt. and role of state in health. Public health.

UNIT IV CULTURE 5 hrs

- Planning-definitions of culture in sociology and anthropological, components, characteristics, origin and development of culture.
- Nature and functions of culture-variability ethnocentrism in culture-culture and health behavior.
- Culture and personality, culture and civilization, cultural lag
- Culture and society, patterns of culture, inventions and discovery

UNIT V SOCIAL INTERACTION 5 hrs

- Social interactions – meanings, factors, influencing interaction, definition, Importance
- Social process – meaning, definitions, co-operation, competition, conflicts, accommodation, assimilation, revolution and war.
- Concepts of social control meaning definition type of social control socialization, religion and sanctions, agencies of social control family, peer groups, schools, neighborhood, communication. Adult socialization, realization.

UNIT VI SOCIAL CHANGE AND PROGRESS 5 hrs

- Social change, meanings, definitions, factors influencing social change. Causes of social change, theories, type – planned and natural.
- Social change in India
- Dr. M.N. Srinivas's concept of sanskritization, westernization and modernization.
- Education, urbabization, industrilization, development of transportation and communication.
- Factors affecting social change – demographic, technological, agricultural development, economic, cultural, planned change

UNIT VII DISORGANISATION AND SOCIAL PROBLEMS 15 hrs

- Meaning and definition of organization and disorganization, causes of disorganization, types of disorganization – individual, family, community, effect of disorganization on Individual, family and community
- Disorganization in the Society causes, type of crime, health related problems
- Juvenile delinquency meaning, causes, children act, Government remedial measures and NGO role in the management problem. Child abuse, child labour, related health problems.
- Prostitution – meaning, history, type, causes welfare steps, health related problems.
- Alcohol drug and substance abuse causes history, impact on adolescent, family. Health related problems
- Poverty, unemployment, history causes Remedial measures, Health related problems
- Beggary meaning, causes, history Remedial measures and health related problems.
- Population growth and related problems- population explosion and causes, consequences of rapid growth, remedies to control the growth. Eg. Population education, contraceptive, motivation, women's education
- Visit to available social agency

EVALUATION :

Paper	Subject Socialogy	Duration	Internal Assessment	External Assessment	Total Marks
10.	Theory	3	25	75	100

Internal Assessment: 25 Marks

Theory: 15 Marks
Clinical Assignment: 10 Marks
Total: 25 Marks
(Out of 25 Marks to be send to the University)
Internal Assessment (Theory): 15 Marks
Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Marks
(125 Marks from mid-term & prelim to be converted into 15 Marks)
Clinical Assignments: 10 Marks

External Assessment (Theory): 75 Marks
(University Examination)

REFERENCES :

1. MacIver & Page : Society; India : Macmillan, 1964
2. MacIver & Page : Society: An introductory analysis; London, 1956
3. Murdock: Social structure; New york,1944
4. Fairchild, H.P.:Dictionary of sociology; New York, 1944
5. Barnes, H.E. : Social institutions; New York, 1946
6. Mamoria, C.B.: Social problems and social disorganization in India; Mumbai, 2003
7. Manelkar, R.K.: Sociology for nurses; Mumbai, 2002

COMMUNITY HEALTH NURSING

Placement : IInd year **Time Allotted Theory : 60 Hrs.**
Practical : 240 Hrs.

COURSE DESCRIPTION:

The course enables the students to acquire knowledge and understanding of the changing concepts of comprehensive community health nursing practice, the national health care delivery system and to participate in the delivery of community health nursing practice.

This course also broadens the understanding in public health nursing administration, responsibility of nurse for early case finding, health assessment and health education based on principles of primary health care, Nursing process approach and comprehensive nursing care to the individual, family and community.

OBJECTIVES : At the end of the course the student will

1) Explain the concept of various factors contributing the health of individual family and community.
2) Explain and analyze health need of individual family and community based on factors contributing to health and illness
3) Describe national health care delivery system.
4) Describes epidemiological methods and principles of prevention and control of illness in the community.
5) Study implementation of national programmes and role of CHN in prevention and control of diseases.
6) Identify the role of personnel working in the community health setup and appreciate the integrated approach to community health.
7) Plan the work of community heath nurse and supervise the health workers.
8) Study concept of public health administration and role of nurse as manager and supervisor.

COURSE CONTENT :

UNIT I COMMUNITY HEALTH AND COMMUNITY HEALTH NURSING 8 hrs.

- Changing concepts of health
- Determinants of health
- Introduction to community health & CH Nursing
- Principles of working in a community.
- Primary health care - concepts and principles.
- Role of nurse in promoting primary health care.
- Health for all - concepts strategy for HFA.
- Community health assessment and diagnosis.

UNIT II FAMILY HEALTH CARE & SERVICES 10 hrs.

- Concepts, Objectives scope & Principles of family health services.
- Family as a unit of community health service.
- Factors influencing family health and high-risk families.
- Family Health assessment, Health risk families.

- Principles and technique of home visits.
- Nursing process in family & community health care. Establishing working relationship with the family.
- Working with families in relation to prevention of disease and promotion of health.
- Care of Sick, & care of physically handicapped and mentally retarded at home
- Family health records.

UNIT III HEALTH ADMINISTRATION IN INDIA. 10 hrs.

- Health care delivery system in India.
- Health planning, National health policy and Five Years plan
- Organization and administration of health services at central, state, district level and Rural Health Services (Panchayati Raj).
- Monitoring and evaluation and health services
- System of medicines.
- Centrally sponsored health schemes.
- Role of voluntary health organization & International Health agencies.
- Health team concept, Public health legislation.
- Community Health Nursing Administration.
- Role of health personnel in community health Practice.
- Training Programmes for various health workers.
- Management and supervision in community health nursing practice.

UNIT IV HEALTH EDUCATION (IEC Information, Education, Communication) 5 hrs.

- Aims, concepts and scope of health education.
- Communication and health education.
- Methods and media for health education in community.
- Planning for health education and role of nurse in I.E.C.
- Central Health Education Bureau.

UNIT V ROLE OF NURSE IN NATIONAL HEALTH PROGRAMMES. 15 hrs.

- Development of community health services in India.
- Major health problem in India.
- National health programme for communicable and Non-communicable disease.
- Maternal and child health programme.
- Nutritional programme.
- Family welfare
- School health Programme.
- Occupational Health Programme.
- Disaster Management.
- As a health team members.
- Records and reports in Community health.

UNIT VI EPIDEMIOLOGY. 7 hrs.

- Epidemiology - Definition, Concepts, aims, objectives and methods and Principles.
- Epidemiology - Theories and Models.
- Application of Epidemiological Principles in community health.
- Monitoring and surveillance.
- Levels of prevention of disease

UNIT VII BIO STATISTICS AND VITAL STATISTICS. 5 hrs.

- Introduction, definition and scope, legislation.
- Report, recording and compiling of vital statistics at the local State, National and International level.
- Definitions and methods of computing vital statistics.
- Methods of presenting data.
- Management Information System.

PRACTICUM

- Each students will prepare to community profile
- The students will be allotted families to give comprehensive nursing care through nursing process approach in Urban / Rural area.
- The students will participate in activities of Primary Health Center, Sub Centre, Community Health Centres, MCH Centre etc.
- Visit to the selected Health and Welfare agencies.
- To plan and conduct Health Education Programmes – individual/ groups/ community/Mass Health Education and Health Exhibition, to prepare simple A.V. AIDS.
- To supervise students and other health workers in the community settings.
- Students will be posted atleast 2 weeks for rural community health experience.
- To conduct simple family health survey analyze the data collected (Community dignosis)
- To write two family health care studies in urban and rural area. (One in each)

CLINICAL EXPERIENCE : TOTAL HOURS : 240

I) Urban Public Health Experience **hours 160**
- Family oriented Health care **hours 40**
- Community Assessment / Community dignosis (Family Health Survey) **hours 30**
- School Health Programme **hours 20**
- Health Education **hours 20**
- Urban Public Health Centres (Various Clinics) **hours 30**
- Educational Visits **hours 30**

II) Rural Public Health Experience **hours 80** (2 weeks)
1. Participation in Primary Health Care PHC, SC, R.H., etc. **hours 30**
2. Family oriented Health care **hours 10**
3. Public Health Administration **hours10**
4. Visits to various Health agencies (Zilha Parishad, D.T.C. District Training Centre, Community Health Centre) **hours 20**
5. Health Education Programme **hours 10**

EVALUATION :

Paper	Subject Community Health Nursing	Duration	Internal Assessment	External Assessment	Total Marks
11.	Theory	3	25	75	100
4.	Practicals		50	50	100

Internal Assessment:

Theory:	**25 Marks**
Practical:	**50 Marks**
Total:	**75 Marks**

Details as follows:

Internal Assessment (Theory): 25 Marks

(Out of 25 Marks to be send to the University)

Mid-Term:	50 Marks
Prelim:	75 Marks
Total:	125 Mark

(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

Internal Assessment (Practical): 50 Marks

Practical Exam:

Mid-Term Exam:	050 Marks
Prelim Exam:	050 Marks
Clinical Evaluation & Clinical Assignment:	325 Marks
1. Clinical Evaluation (family oriented care Urban Area)	100 Marks
2. Community Health Survey & Community diagnosis	025 Marks
3. Family Health Care Study (Urban & Rural settings) (50 marks each)	100 Marks
4. School Health Programme	025 Marks
5. Health Education	025 Marks
6. Rural Public Health (as per guideline):	050 Marks
Total:	425 Marks

(425 Marks from Practical to be converted into 50 Marks)

External Assessment: 125 Marks
(University Examination)

Theory:	75 Marks
Practical:	50 Marks

REFERENCES

1. Basvanthappa B. T. – Community Health Nursing 2002.
2. Park J. E. - Preventive and social Medicine 17 edition 2003
3. Stanhope - Community Nursing and promoting Health of the aggregate families and Individuals - IInd edition 1988
4. Stanhope - Community Health Nursing process and practice for practitioner IVth Edition 1962
5. Stanhope Routh- Community Health Nursing Workbook, Family as a client, New Delhi 1982
6. Spradely and Barbara – Community Health Nursing
7. Mahajan B. K. – Textbook of Preventive and Social Medicine, IInd edition 1995.
8. Najoo Kotwal – Revised by TNAi " Public Health Mannual " 1989

MENTAL HEALTH NURSING

Placement: IInd Year **Time Allotted Theory : 60 hrs.**
Practical : 240 hrs.

COURSE DESCRIPTION

This course enables the students to recognize and appreciate the causes, symptoms and process of abnormal human behavior.

It also introduces the student to the present day treatment modalities in the light of psychological, social and cultural factors affecting human behavior.

This course helps the student to learn principles of mental health and psychiatric nursing and to develop skills in the management of the mentally ill in hospital and community.

OBJECITVES : At the end of course, the student will

1. Identify and describe the philosophy and principles of mental health nursing.
2. Describe the historical development of mental health and psychiatric nursing.
3. Classify mental disorders.
4. Develop skills in history taking and performing mental status examination.
5. Describe etiological factors, psycho-pathology, clinical features, diagnostic criteria and treatment methods used for mental disorders.
6. Manage the patients with various mental disorders.
7. Communicate therapeutically with patients and their families.
8. Identify role of the nurse in preventive psychiatry.
9. Identify the legal aspects in practice of mental health and psychiatric nursing.

COURSE CONTENTS

UNIT-I INTRODUCTION AND HISTORICAL DEVELOPMENT 5hrs.

- Review of the concept of mental health and illness & mental mechanisms.
- History of psychiatry
- Historical development of mental health nursing.
- Philosophy, principles of mental health and psychiatric nursing.
- Theoretical approaches to Psychiatric Nursing.
- Concept of normal and abnormal behavior.
- Role and qualities of mental health and psychiatric nurse
- Mental health team and functions of team members.
- Legal aspects in psychiatry and mental health services.

UNIT II CLASSIFICATION AND ASSESSMENT OF MENTAL DISORDERS 5 hrs.

- Terminologies used in Psychiatry
- Classification of mental disorders- ICD-10 classification
- Etiological factors and psychopathology of mental disorders
- History taking and mental status examination.

UNIT III THERAPEUTIC COMMUNICATION 4 hrs.

- Communication process
- Interview skill
- Therapeutic communication techniques.
- Nurse patient Relationship.
- Therapeutic impasse and it’s management
- process recording.

UNIT IV MANAGEMENT OF MENTAL DISORDERS 20 hrs.

- Etiological factors, psychopathology, types, clinical features diagnostic criteria, treatment and nursing management of patient with following disorders.
- **Neurotic Disorders:**
  - Anxiety disorders - General & Panic
  - Depressive Neurosis
  - Obsessive Compulsive Neurosis.
  - Phobic Neurosis
  - Hypochondriacal Neurosis.
  - Stress related and Somatoform disorders
  - Hysteric disorder.
- **Psychotic Disorders:**
  - Schizophrenic disorders
  - Affective disorders
- Organic Brain Syndromes – acute & chronic
- Epileptic disorders
- Sleep disorders
- Psychosomatic disorders
- Personality disorders
- Sexual Disorders
- **Disorders of childhood:-** Specific developmental disorders, Pervasive developmental disorders, Attention deficit disorders , Conduct disorders, Enuresis & Encopresis, Speech Disorders, Habit disorders, other disorders.
- **Adolescent disorders** –Attention deficit hyper activity disorder, conduct disorder, substance abuse, depression and suicide, eating disorders, running away.

UNIT V MANAGEMENT OF PATIENT WITH SUBSTANCE USE DISORDERS 3 hrs

- Substance use and misuse
- Dependence, intoxication and withdrawal
  - Classification of psychoactive substances
  - Etiological & contributory factors
  - Psychopathology
  - Clinical features
  - Diagnostic criteria
- Treatment and nursing management of patient with substance use disorders.
- Preventive and rehabilitative aspects in substance abuse.

UNIT-VI MANAGEMENT OF MENTAL SUB-NORMALITY / MENTALLY CHALLENGED- 2hrs

- Classification of mental sub-normality
- Etiological factors
- Psychopathology
- Psychometric assessment
- Diagnostic criteria and management of sub-normality

UNIT VII PSYCHIATRIC EMERGENCIES - 4 hrs.

- Types of emergencies
- Psychopathology, Clinical feature, Assessment and diagnosis, Treatment and nursing management of patient with psychiatric emergencies such as-
- Suicide, Stupor & Catatonic syndrome, Aggression, other psychiatric emergencies
- Crisis Intervention therapy

UNIT VIII THERAPEUTIC MODALITIES- 12 hrs.

- **Principles, indication, contraindications and role of nurse in various treatment**

method:

- Pharmacotherapy
- Therapeutic community and Milieu therapy
- Psychotherapy- psychoanalysis, Behavior therapy, Cognitive Therapy, Supportive Therapy, Hypnosis, Abreaction, Relaxation Therapies, Biofeedback.
- Group therapy
- Family therapy
- Occupational Therapy
- Electro convulsive therapy
- Other miscellaneous therapies.

UNIT IX PREVENTIVE PSYCHIATRY- 5 hrs.

- Model of prevention
- Role of nurse in preventive psychiatry
- Psychiatric social worker
- Community mental health nursing
- Community mental health Services and agencies
- National mental health programme

PRACTICUM

The student will be provided opportunity to:

- Observe, record and report the behavior of their selected patients.
- Record the process of interaction.
- Assess the nursing needs of their selected patients. Plan and implement the nursing intervention.
- Counsel the attendant and family members of patient.
- Participate in the activities of psychiatric team
- Conduct an awareness programme on preventive Psychiatry
- Write observation reports after a field visit to the following places:
  - Child guidance clinic
  - School/special School (for mentally subnormal)
  - Mental Hospital
  - Community mental health center
  - De-addiction center.

CLINICAL EXPERIENCES **Total Hours. : 240 hrs**

1. Psychiatric ward male & female **hours 120**
2. Psychiatric OPD **hours 30**
3. De-addiction center **hours 30**
4. Various departments **hours 25**
   (ECT, CGC, Occupational Therapy, Behavioral Therapy, Psychotherapy)
5. Visit to Mental Hospital **hours 10**
6. Community Mental Health (Visit to Rehabilitation centers) **hours 25**

EVALUATION:

Paper	Subject Mental Health Nursing	Duration	Internal Assessment	External Assessment	Total Marks
12.	Theory	3	25	75	100
5.	Practicals		50	50	100

Internal Assessment:

Theory: **25 Marks**
Practical: **50 Marks**
Total: **75 Marks**

Details as follows:

Internal Assessment (Theory): 25 Marks

(Out of 25 Marks to be send to the University)

Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Mark

(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

Internal Assessment (Practical): 50 Marks

(Out of 50 Marks to be send to the University)

Mid-Term Exam 050 Marks
Prelim Exam 050 Marks
Clinical Evaluation & Clinical Assignment: 625 Marks

1. History taking: Two (50 marks each)	100 Marks
2. MSE: Two (50 marks each)	100 Marks
3. Process Recording: Two (25 marks each)	050 Marks
4. Nursing Care Plan: Two (50 marks each)	100 Marks
5. Clinical performance evaluation (Male or female ward)	100 Marks
6. Case Study: One	050 Marks
7. Case Presentation: One	050 Marks
8. Drugs study	050 Marks
9. Health Education: One	025 Marks

Total: 725 Marks

(725 Marks from practical to be converted into 50 Marks)

External Assessment: 125 Marks
(University Examination)

Theory: 75 Marks
Practical 50 Mark

REFERENCES:-

1. Principles and Practice of Psychiatric Nursing – By Stuart and Luraia
2. Comprehensive Psychiatric Nursing – Jidith Haber
3. Community Psychiatry – Kaplan
4. Psychiatric Nursing – Mary Townsend
5. A Short text book of Psychiatry – Neeraj Ahooja
6. A text book of Psychiatric Nursing – Bimla Kapoor
7. Lippincott's Manual of Psychiatric Nursing Care Plan.
8. Psychiatric Mental Health Nursing – Barbara Schoen Johnson, Lippincot company.
9. Mental Health Nursing – Mosby's Review Series – Paulette D. Rollant, Denise B. Deppoliti.
10. A Guide to Mental Health Nursing & Psychiatric Nursing – Sreevani, Jaypee Brothers Publication.
11. Question Bank Mental Health Nursing for U.G. Nursing students - Sreevani, Jaypee Brothers Publication.
12. Psychosocial Nursing for General Patient Care, 2nd Ed.-02 – Gorman, Jaypee Brothers Publication.

INTRODUCTION TO NURSING EDUCATION

Placement– IInd Year **Time allotted Theory : 60 hrs**
Practical : 75 hrs

COURSE DESCRIPTION :-

This course introduces the students to Principles and concepts of Education, curriculum development and methods and media of teaching. It also describes the step the steps in curriculum development and implementation of educational programme in Nursing.

OBEJCTIVES; At the end of the course, the students will

1. Describe the philosophy and principles of education
2. Describe the process of a nursing curriculum development
3. Explain the teaching learning process
4. Develop the ability to teach, using various methods and media
5. Describe the process of assessment
6. Describe the administrative aspects of school of nursing, College of Nursing
7. Develop basic skills in counseling and guidance
8. Participate in planning and organizing an in-service education programme

COURSE CONTENTS

UNIT I INTRODUCTION TO EDUCATIION **5 hrs.**

- Meaning, aims, function and principles
- Philosophy of education
- Factors influencing development of philosophy of Nursing education
- Nursing profession –Definition, concept, importance and characteristics of nursing profession
- Development of nursing education in India before and after independence
- Nursing education programmes in India – Basic, Post Certificate, Degree, post graduation and Ph. D.
- High power committee recommendations for nursing education
- Qualities, role and responsibilities of a nursing teacher

UNIT II NURSING CURICULUM DEVELOPMENT **8 hrs.**

- Organization of Nursing Curriculum
- Development of Nursing Curriculum.
- Curriculum types
- Curriculum Committee
- Curriculum planning
- Formulating philosophy and objectives.
- Selecting learning experiences and clinical components of nursing education.
- Evaluation of curriculum.

UNIT III TEACHING LEARNING PROCESS **5 hrs.**

- Meaning of education, aims, functions and
- principles of teaching

- Principles and maxims of teaching
- Formulating objectives
- Lesson planning
- Nature and characteristics of learning

UNIT IV METHODS OF TEACHING 10 hrs.

- Definition, Purposes, Advantages, Disadvantages, Steps, Procedures, Evaluation of –
  - Lecture
  - Discussion
  - Demonstration
  - Group Discussion
  - Project
  - Role – Play
  - Panel discussion
  - Symposium
  - Seminar
  - Field Trip
  - Workshop
  - Exhibition
  - Programmed instructions
  - Computer assisted learning
  - Clinical teaching methods
  - Case methods
  - Case presentation
  - Nursing rounds & Reports
  - bedside clinics
  - Conference (Individual & group)
  - Recording of interaction process

UNIT V EDUCATIONAL TECHNOLOGY 5 hrs.

- Educational Media
- The communication process, factors affecting communication
- Purposes and types of audio visual aids
- Graphic aids
- Chalk board, Charts, Graphs, Posters, Flash cards, flannel graph/Khadigraph, Bulletin, cartoon
- Three demonstrational aid, objects, specimen, models, Puppets
  - Printed aids – slides, films and televisions, VCR, VCP
  - Overhead projector camera, microscope
  - Audio aids,- Tape recorder, public address system
  - system computer

UNIT VI METHODS OF ASSESSMENT 10 hrs.

- Purpose and scope of Evaluation & assessment
- Criteria for selection of assessment techniques & methods
- Blue Prints
  - Assessment of knowledge, essay type questions, SAQ(Short Answer Question), LAQ (Long Answer Question), MCQ (Multiple Choice Question)
  - Assessment of skills : Observation, checklist, practical examination, Viva,

Objective structured clinical examination.
- Assessment of attitudes
- Setting of question paper
- Scoring of Answer paper
- Reforms in nursing Educational system

UNIT VII MANAGEMENT OF SCHOOL OF NURSING **8 hrs**

- Planning and organizing of school of Nursing
- Recruitment of teaching staff
- Budget facilities for the school
- Students selection and admission procedure
- Administrative planning for students
- Welfare service for students
- Maintainance of school Records
- Preparation of annual reports
- INC guidelines for school of nursing

UNIT VIII GUIDANCE AND COUNSELLING **5 hrs**

- Definition and basic principles
- Organization of guidance & counseling
- Counseling process
- Managing disciplinary problems
- Management of crisis

UNIT IX IN SERVICE EDUCATION **5 hrs**

- Introduction to nature and scope of in-service education programmes
- Principles of adult learning
- Planning for in-service programme
- Techniques and methods of staff education programme
- Evaluation of in-service programme

PRACTICUM

1. Practice Teaching : 5
   Theory Teaching : 3
   Clinical Teaching : 2
2. Visits to Nursing colleges and schools
3. To prepare different types of teaching Aids.
4. To prepare rotation plans
5. Study various Nursing Programme syllabus
6. To plan, organize and conduct 'one' service education programme

CLINICAL EXPERIENCES **Total Hours. : 75 hrs**

- Practice Teaching (Theory + Practical) **hours 20**
- Prepare Teaching Aids **hours 10**
- Attending peer group Teaching **hours 05**
- Preparing rotation plan **hours 05**
- Study various Nursing Programme **hours 10**
- Plan inservice education Programme **hours 05**
- Visiting Nursing Schools and Colleges **hours 20**

EVALUATION:

Paper	Subject Introduction to Nursing Education	Duration	Internal Assessment	External Assessment	Total Marks
13.	Theory	3	25	75	100

Internal Assessment:

Theory: 15 Marks
Clinical Assignment: 10 Marks
Total: 25 Marks

Details as follows:

Internal Assessment (Theory): 15 Marks
(Out of 15 Marks to be send to the University)

Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Mark
(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

Clinical Assignment: 10 Marks

Practice Teaching (100 Marks Each)
Theory – 2: 200 Marks
Clinical – 1: 100 Marks
Total: 300 Marks
(300 Marks from Clinical Assignment to be converted into 10 Marks)

External Assessment (Theory): 75 Marks
(University Examination)

REFERENCES

1. Bevis oliva Em, Curriculum Building In Nursing – A Process, 3rd ed; St. Louis; C.V.Mosby Co. 1982
2. Basavanthappa B.T. Nursing education, 1st ed. New Delhi : Jaypee Brothers, 2003
3. Bhatia, Kamala & Bhatia B. The Principles and methods of teaching. New Delhi, Seema offset, 1977
4. Heidgerken Loretta, Teaching and learning in Schools of Nursing – Principles and Methods, 5thed New Delhi: J.B. Lippincott, 2003
5. Hinchiff Sue, The Practitioner As a teacher 2nd ed. Harcourt Brace & Company Ltd. 1999
6. Indian Nursing council guide for School of Nursing in India, Revised 2nd ed. New Delhi 2001
7. Syllaby of various Nursing courses.

INTRODUCTION TO NURSING SERVICE ADMINIATRATION

Placement : **IInd Year** **Time Allotted** : **Theory : 60 hours**
Practical : 180 hours

COURSE DESCRIPTION :

This course is designated to give an opportunity to the students to gain an understanding of the principles of administration and its application to nursing service. It is also intended to assist the students to develop an understanding of the need for professional leadership.

OBJECTIVES : At the end of the course , the student will enable the students to:-

1 Identify the Principles of administration.
2 Describe the Principles and techniques of supervision.
3 Explain the Principles and Methods of personnel management.
4 Explain the principles of Budgeting.
5 Organize and manage a Nursing Unit effectively.
6 Identify dynamics of Organizational behavior, styles and functions of effective leadership.

COURSE CONTENTS

UNIT I PRINCIPLE AND PRACTICE OF ADMINISTRATION 10 hrs.

- Significance, elements and Principles of Administration.
  - Planning
  - Organization
  - Staffing
  - Directing
  - Controlling
  - Coordinating
  - Reporting
  - Budgeting
- Administration and Organization of Hospital.
  - Definition, Aims, Functions & roles of the hospital
  - Classifications of Hospitals Health Team
  - Ethical and legal aspects of hospital administration
  - Policies of Hospital, different departments with special emphasis to the department of nursing office management
    - Nursing management
    - Responsibilities of nursing personnel , specially of ward sister,
    - Medico –legal aspects
    - Concept of cost effectiveness

UNIT II NURSING UNIT MANAGEMENT 10 hrs.

- Physical Lay out of a Nursing Unit
  - Necessary facilities
  - Factors affecting the quality of nursing care
  - Maintenance of a therapeutic environment
  - Administration of the nursing unit
  - Management of patient care
  - Maintenance of the Physical environment

- Delivery of patient care
- Assignment of duties and time plan
- Patient assignment
- Discharge Planning
- Safety measures, prevention of accidents and infections
- Maintenance of patients records and reports, legal responsibilities
- Maintenance of quality nursing care
- Nursing audit

UNIT III PERSONNEL MANAGEMENT 10 hrs.

- Significance of Personnel management Staff recruitment and selection process appointment, promotions, transfers, remunerations, retraining, terminating
  - personnel policies
  - Job specifications
  - Job description
  - Job Analysis
  - Staffing the unit
  - Staffing Philosophy
  - Staffing norms
  - Staffing Modules
  - Patient Classification System
  - Rotation plan
  - Leave planning
- Performance appraisal
  - Purposes of performance appraisal
  - Developing and using standards
  - Training
  - Feedback
- Career Counseling
- Staff welfare activities
- Management of Disciplinary problems
- Human resource development
- Health team approach
- Collective Bargaining, Conflicts and its solutions.

UNIT IV SUPERVISION 9 hrs.

- Definition, nature, need Philosophy and objectives of supervision
  - Principles of supervision
  - Tools and techniques of supervision
  - Staff Development
  - Orientation program
  - In service education
  - Continuing Education
  - Skill training
    - Assertiveness Training for assertiveness
    - Public speaking skills
  - Leadership development
  - Problem solving process
  - Evaluation
  - Nursing audit

UNIT V MATERIAL MANAGEMENT **9 hrs.**

- Material management – concept, need
  - Principles of Material management
  - Quality control
  - Inventory
    - Care of equipments Stock keeping
  - Role of Nursing personnel in Material management

UNIT VI FINANCIAL MANAGEMENT **3 hrs.**

- Budgeting - Nature and purposes of Budgeting
  - Types of Budget
  - Principles of Budgeting
  - Financial Audits

UNIT VII ORGANIZATIONAL BEHAVIOR **9 hrs.**

- Organizational behavior
  - Group dynamics
  - Human relations
  - Morale Building
  - Organization Communication
  - Hospital Information system
  - Public relations in Hospitals
  - Leadership –Concepts, Manager behavior, Leader behavior Leadership – defined, Leadership Theories – Behavioral, Situational
  - Leadership styles and functions,
  - Transformational leadership
  - Qualities of a leader
  - Methods of reporting
  - Maintaining records and reports

PRACTICUM

- Observe the functioning of Nursing administration at various levels i.e., Institutions, departments and units.
- Each student will practice ward management under supervision
- Student will prepare rotation plan of the staff duties, write reports, give verbal reports of the ward and assist in the maintaining the inventory of the nursing unit
- Develop an Assessment tool for performance appraisal
- Visit Private and Government Hospital and write observation reports
- Student will present one seminar during administration experience.

Note : visits for Nursing administration and Nursing Education may be planned together.

CLINICAL EXPERIENCES **Total Hours. : 180 hrs**

- Ward Management **hours 90**
- ICU Management **hours 30**
- OPD / Departments **hours 30**
- Visits to hospitals and other agencies **hours 30**
  (ie. Govt, Pvt or corporation and any other)

EVALUATION:

Paper	Subject Introduction to Nursing Service Administration	Duration	Internal Assessment	External Assessment	Total Marks
14.	Theory	3	25	75	100

Internal Assessment:

Theory: **15 Marks**
Clinical Assignment: **10 Marks**
Total: **25 Marks**

Details as follows:

Internal Assessment (Theory): **15 Marks**
(Out of 15 Marks to be send to the University)

Mid-Term: 50 Marks
Prelim: 75 Marks
Total: 125 Mark

(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

Clinical Assignment: **10 Marks**

Practicum: Posting of ward management: 100 Marks
(100 Marks from Clinical Assignment to be converted into 10 Marks)

External Assessment (Theory): **75 Marks**
(University Examination)

REFERENCES

1. B. T. Basvanthappa : Nursing Administration Edition Ist 2000 –
2. Jean Barret : i) Head Nurse – 1975
   ii) Ward Management and Teaching
3. Goal : Hospital Administration
4. Koontz : Principles of Management IV th Edition 1968
5. Ann Marriner : Guide to Nursing Management
6. Keith Davis : Human relations at work the Dynamics of organizational behaviors 1967

INTRODUCTION TO NURSING RESEARCH STATISTICS

Placement : II nd Year **Time Allotted Theory : 45 hrs.**
Practical : 120 hrs.

COURSE DESCRIPTION

This course is designed to assist the student to develop an understanding of the basic concepts principles of research and scientific inquiry including the identification of problem and steps in research methodology. This course also introduces the basic concepts, and principles of Statistical methods, the use of computers in conducting research project in groups and use the finding in nursing practice.

OBJECTIVES : At the end of course student will

1) Define the terms and concepts of nursing research.
2) Identify needs and scope of nursing research.
3) Be able to define research problems.
4) Locate and list sources of literature review including operational definition and conceptual framework.
5) Describe different approaches and research designs in nursing research.
6) Describe sample and sampling technique with special reference to survey method.
7) Develop tool for data collection.
8) Able to conduct pilot study to confirm reliability and validity of tool before data collection.
9) To enumerate steps of data analysis and present data summary in tabular form.
10) Use descriptive and co-relational statistics in data analysis.
11) Conduct group project and write report.
12) Use computer for research project.

COURSE CONTENT

SECTION : A INTRODUCTION TO RESEARCH METHODOLOGY

UNIT I INTRODUCTION **2 hrs.**

- Research definition
- Method of acquiring knowledge
- Problem solving and scientific method
- Research characteristics, purpose, scope
- Steps in Research methodology.

UNIT II RESEARCH AND NURSING **4 hrs.**

- Development of research in nursing
- Purpose, scope and need of nursing research
- Areas of nursing research i.e. practice, service, administration and education, health and social research
- Ethics in research

UNIT III RESEARCH DESIGN **3 hrs.**

- Overview of research process
- Statement of the problem and research objectives
- Definitions of terms variables, assumptions, operational definition, limitation, delimitation, hypothesis-definitions, formulation and types

UNIT IV REVIEW OF LITERATURE **2 hrs.**

- Search for library resources
- Criteria for selection of resources
- Practical application of review of literature

UNIT V RESEARCH APPROACHES (CLASSIFICATION & TYPES) **4 hrs.**

- Non experimental
- Survey - characteristics, types, advantages and disadvantages
- Historical - sources of data, characteristics, advantages and disadvantages
- Experimental - characteristics, types, advantages and disadvantages

UNIT VI SAMPLE & SAMPLING TECHNIQUE **2 hrs.**

- Definition of population and sample
- Sampling and randomness; kinds and size of samples
- Probability and non probability sample

UNIT VII METHODS OF COLLETING DATA **7 hrs.**

- Preparation of tools
- Types of instruments for data collection
    - a) Questionnaire : Opinionnaire, Interview schedule
    - b) Observation : records, observation checklist, rating scales.
    - Machineries, video tapes, films, closed circuit T.V. etc.
    - c) Measurements : Physiological measurement, Physical, Chemical, Microbiological etc., Psychological measurement Psychomotor skill test, personality test, Intelligence test, Sociological test, Socio economic standard scale, Sociometry, Health status measurement
- Characteristics of good research tool
- Testing reliability and validity of tool

UNIT VIII IMPLEMENTING RESEARCH PLAN **2 hrs.**

- Data collection procedure and conditions for administration of tool

UNIT IX DATA ANALYSIS AND INTERPRETING **2 hrs.**

- Types of data, data organization, tabulation, analysis and summarization
- Structure of statistical methods : interpretation and presentation of data

UNIT X COMMUNICATION OF RESEARCH FINDING **2 hrs.**

- Writing research report - composition, organization and format
- Application of results; critical analysis of research report and public

SECTION : B INTRODUCTION TO STATISTIC

UNIT XI DESCRIPTIVE STATISTIC 8 hrs.

- Frequency distribution - types of measure - frequencies, class, interval, graphic methods of describing frequency
- Measures of central tendency - Mode, Median and Mean
- Measures of variability : range, Standard deviation
- Introduction to normal probability
- Correlation
- Computation by rank difference methods
- Uses of correlation co-efficient

UNIT XII BIOSTATISTIC 2 hrs.

- Crude rates and standardized rates, ratio and estimation of the trends.

UNIT XIII INTRODUCTION TO COMUTERS IN NURSING 5 hrs.

- Basics of hardware and software
- Windows application Word, Excel and Power Point
- Introduction to Database

Five hours of computer training may be given to students to impart computer literacy and knowledge in basic computer operation.

PRACTICUM **Total Hrs. 120**

- Selecting and conducting small group research project (The number of students in a group can be decided depending on the availability of Nursing faculty and interest of the students)
- Group studies may include, studying existing health problem and practices, Nursing procedures, Health records, patients records and survey of Nursing literature.

EVALUATION:

Paper	Subject ** Introduction to Nursing Research Statistics	Duration	Internal Assessment	External Assessment	Total Marks
15.	**Theory	2	50 College level qualifying exam, minimum passing Marks 50%		050
6.	**Research Project		50 College level qualifying exam, minimum passing Marks 50%		050

Note: ** **College level qualifying exam to appear in University Examination, minimum passing Marks 50%.** (Not University Examination)

Internal Assessment: 100 Marks

(Out of 100 Marks to be send to the University)

Theory - Mid-Term: 25 Marks

Theory – Prelim: 25 Marks

Practical – Research Project: 50 Mark

REFERENCES

1. Polit, D.F. and Hungler B.P. Nursing Research, Principles and Methods (6th ed) Lippin Cott. Philadelphia, 1999.
2. Best, J.W. and Kahn, V.J. Research in Education (7th ed) Prentice - Hall of India, New Delhi, 2001.
3. Smith, P. Research Mindedness for Practice. An interactive approach for Nursing and Health Care, Churchill Livingstone, New York, 1997.
4. Brink P.J. & Wood, M.J. Basic steps in Planning Nursing Research from Questions to Proposal (3rd ed) Jones and Barlett Publishers, Boston, 1998.
5. Basavanthappa, B.T. Nursing Research. Jay Pee, Mumbai.
6. Singh I, Elementary Statistics for Medical Workers, 1st ed., Jaypee brothers Medical Publishers (P) Ltd., Delhi, April 1990.
7. Polit, D.F. & Beck, C.T., Nursing Research - Principles & Methods, 7th ed., Lippincott Williams & Wilkins, USA, 2004.
8. Burns, N. & Grove, S.K., THe Practice of Nursing Research - conduct, Critique & utilization, 2nd ed., W.B. Saunders Company, USA, 1993.
9. Treece E. W. & Treece J. W. : Elements of Research in Nursing St. Louis 1986