

THIRD YEAR B.Sc NURSING

Medical Surgical Nursing (Adult including Geriatrics-II)

Theory: 100 hrs

Placement: II YEAR

(Nursing Faculty: 70)
Medical Faculty: 30
Practical (400 hours)

Course Description: This course is designed to enable the student to recognize the etiology, pathophysiology, symptomatology, diagnostic

measures and management of patients with complex medical and surgical conditions in Cardiology, Cardiothoracic surgery, Neurology,

Neurosurgery, Nephrology, Oncology, Plastic & Reconstructive surgery, and Emergencies and to provide comprehensive Nursing

care based on Nursing process approach.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
1	8	Describe the organization of critical care units Describe the role of the nurse in management of patients in critical care units	Nursing Management of patients in critical care Units Introduction: Organizational set up policies, Staffing Norms. Classification: Principles of critical care Nursing, Nursing assessment, History, - Physical examination. → Protocol, Equipments & supplies-Ventilators, Cardiac monitors, infusion pumps. → Infection control in critical care units → Ethical and Legal aspects, psychosocial aspects. → Nursing Management of patients in critical care units, multi system organ failure → CPR-Basic Life Support, Advanced life Support → Crisis Intervention & Stress Management → Drugs used in Critical Care Units ,Intensive Care, → Records → Communication with patient and family, special treatments and procedures-Cardiac monitoring, CVP monitoring, Transitional Care	Lecture Discussion Explain using Charts, graphs Models, films, slides Demonstration, Practice session Case Discussion / Seminar, Health education Supervised clinical practice Drug book/ presentation	Essay, Short answers, Objective type, Assessment of skills with check list, Assessment of patient management problem
II	8	Describe organization of emergency and disaster care services. Describe the role of nurse in disaster management. Describe the role of nurse in management of	Nursing Management of Patients with Emergencies and Disaster situations Disaster Nursing Concepts and principles of Disaster Nursing Causes and Types of Disaster: Natural and Man-Made Earthquakes, Floods, Epidemics, Cyclones, Tsunami Fire, Explosion, Accidents, Violence, terrorism: biochemical, war Policies related to emergency/disaster Management: international, national State, institutional Disaster preparedness:	Lecture, Discussion, Explain using Charts, graphs Models, films, Slides Demonstration, Practice session, Case discussion, Seminar, Health education,	Essay Short Answers Objective type Assessment Of skills With Checklist Assessment Of patient Management problem

		common emergencies	<p>Team, Guidelines, protocols, Equipments, resources</p> <p>Coordination and involvement of Community, various Govt. departments, non-govt organizations and international agencies.</p> <p>Role of nurse and disaster management</p> <p>Legal Aspects of Disaster Nursing</p> <p>Post Traumatic stress Disorder, Rehabilitation: physical, psychosocial, Financial, relocation</p> <p>Emergency Nursing</p> <p>Concept, priorities, principles and Scope of emergency nursing, Issues in Emergency care</p> <p>Organization of emergency Services: physical setup, staffing, equipment, and supplies, protocols, Concepts of triage and role of triage nurse</p> <p>Coordination and involvement of different departments and facilities</p> <p>Medico Legal Aspects</p>	<p>Supervised Clinical practice, Disaster Management Drills, Drug book, presentation</p>	
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III	10	<p>Explain the concept, theories and problems of ageing.</p> <p>Describe the nursing care of the elderly.</p>	<p>Nursing care of the Elderly Demographics in ageing Assessment ageing, concepts, theories, ageing process Psychosocial aspects-stress & coping in order adults Cognitive Aspects of Ageing Normal biological ageing:- Age related body systems changes and health promotion strategies. Common health problems & Nursing management Cardiovascular,Respiratory, Musculoskeletal,Endocrine,Genitourinary,Gastrointestinal,Neurological, Skin and other sensory organs. Psychosocial and sexual abuse of the elderly. Environmental aspects of ageing Role of nurse in care of the elderly-ambulation ,nutrition,psychosocial and spiritual, drugs,- home, institution care Role of the nurse for caregivers of elderly Role of family and formal and nonformal caregivers Use of aids and prosthesis(hearing aids, dentures) Legal and ethical issues, Provisions and programmes for the elderly, privileges, community programmes and health services.</p>	<p>Lecture Discussion Case presentation Seminar Health education Supervised clinical practice Drug book Presentation Visit old age home</p>	<p>Essay Short answer Objective Type Assessment of skills With Checklist Assessment of patient Management</p>
IV	3 6	<p>Describe the nursing management of patients with respiratory disorders</p>	<p>Nursing management of patients with Respiratory disorders Medical faculty-(Dept of Respiratory medicine) ARDS, Pulmonary oedema, Interstitial lung disease, Respiratory insufficiency and arrest. Mechanical ventilator support Nursing faculty Nursing management of patients with ARDS Pulmonary oedema, nterstitial lung disease. Nursing management of patients on mechanical ventilator.</p>	<p>Lecture Discussion</p>	<p>Essay Short Answer Objective Type</p>

V	5	Describe the etiology,patho-physiology, clinical manifestations and medical , surgical and nursing management of common cardiac conditions	Nursing management of patients with cardiothoracic conditions Medical faculty-Cardiologist Acute coronary syndrome, Dysrhythmias, Cardiomyopathies, LVF, ,Cardiac arrest-CPR, ACLS Supportive therapies-Pacemaker, IABP, Defibrillators, Thrombolytic Therapy, Interventional cardiology, correcting congenital defects Cardiac rehabilitation, cardiac drugs.	Lecture Discussion Demonstration	Essay Short answer Objective type
	5		Nursing management of patients with cardiac pacemaker, Arrhythmias. Cardiac rehabilitation, Cardiac drugs. Cardiothoracic surgeon: Pre and post operative management of patients undergoing Closed and open heart surgery-valvotomy, valve replacement, CABG, Heart transplantation, repair of aneurysms.		
	10		Nursing faculty: Review acute coronary syndrome, Nursing management in Dysrhythmias, cardiomyopathies, LVF, Cardiac arrest-ACLS, pacemaker therapy, IABP, defibrillation, Pre and postoperative management of patients undergoing Closed and open heart surgeries-valvotomy, CABG, valve replacements, Heart transplantation Rehabilitation after cardiac surgery	Lecture Discussion	Essay Short answer Objective type

VI	5 10	Describe the Medical ,surgical And nursing management Of patients with Neurological And neurosurgical Conditions	<p>Nursing management of patients with neurological conditions</p> <p>Neurologist: Neuro assessment,e pilepsy Neurosurgeon: Head injury, spinal cord injury, IVDP,ICSOL-Brain tumours, cerebral aneurysms,</p> <p>Nursing faculty: Nursing management in with epilepsy, head injury, spinal Cord injury, ICSOL-Brain tumours Nursing management of patients undergoing cranial and spinal surgeries, cerebral aneurysms, IVDP</p>	Lecture Discussion Demonstration	Essay Short answer Objective Type
VII	4 7	Describe the Nursing management of patients with renal disorders	<p>Nursing management of patients with renal disorders</p> <p>Nephrologist: ARF,CRF-Review Dialysis-HD, PD, CRRT, Renal transplantation</p> <p>Nursing faculty: Review- ARF,CRF Nursing management in ARF, CRF, Dialysis,r enal transplantation.</p>	Lecture Discussion Slides Demonstration	Essay Short Answer Objective Type

VII	5	Describe the Nursing management of patients With oncologic Disorders	<p>Nursing management of patients with oncological disorders</p> <p>Oncologist:</p> <p>Cell cycle, cell characteristics, staging and grading</p> <p>Treatment modalities-chemotherapy radiation therapy, immunotherapy, Gene therapy, BMT, Stem cell replacement therapy</p> <p>Hormone therapies, other therapies.</p> <p>Oncological emergencies</p> <p>Palliative care</p>	<p>Lecture</p> <p>Discussion</p> <p>Slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book</p> <p>Presentation</p> <p>Visit to Palliative care Centre, hospice</p>	<p>Essay</p> <p>Short answer objective type</p>
	8		<p>Nursing faculty:</p> <p>Structure and characteristics of normal and cancer cells,</p> <p>Nursing assessment-History, physical examination</p> <p>Early signs of cancer, prevention, screening, early detection</p> <p>Epidemiology, etiology, classification, pathophysiology,</p> <p>Staging, clinical manifestations, diagnosis, treatment modalities, medical and surgical management of oncological conditions</p> <p>Common malignancies of various body systems-oral, larynx, Lung, stomach and colon, liver, leukaemias, lymphomas</p> <p>Breast, cervix, ovary, uterus, sarcoma brain, renal, bladder, prostate etc.</p> <p>Oncological emergencies, Modalities of treatment</p> <p>Nurses role in immunotherapy, chemotherapy, radiotherapy ,surgical interventions, Stem cell and bone marrow transplantation, gene therapy</p> <p>Other forms of treatment</p> <p>Psychosocial aspects of cancer, Rehabilitation, Palliative care, Symptom and pain management, Nutritional support, Home care, Hospice care. special therapies</p>		

IX	3	Describe the Significance of Plastic, reconstructive And cosmetic surgeries	Nursing management of patients undergoing plastic, reconstructive and cosmetic surgeries Plastic surgeon: Types of repair, traumatic injuries, burns congenital defects Skin grafts Cosmetic surgeries-prosthesis	Lecture Discussion Explain with Charts, models Graphs, films Slides Demonstration Practice Session Health education	Short Answer objective type
	3		Nursing faculty Nursing assessment, nursing management in skin graft Pre and postoperative care of patients undergoing plastic Reconstructive and cosmetic surgeries Legal aspects, rehabilitation		

References:

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Dr. Kasi Visweswaran. Essentials of Nephrology and Urology

Patricia Tabloski Gerontological Nursing: Pearson Prentice Hall

Joanne C Langan Preparing Nurses for Disaster Management: Pearson-PrenticeHall.

MEDICAL SURGICAL NURSING-PRACTICAL –II

Areas	Duration (weeks)	Objectives Of posting	Skills to be developed	Assignments	Assessment method
Critical care Unit (general) MICU SICU	2	Provide care To critically Ill patients	<ul style="list-style-type: none"> -Monitoring of patients in the ICU -Maintain flow sheet - Care of patient on ventilators -Perform endotracheal suction -Demonstrate use of Ventilators, cardiac monitors etc. -Collect specimen and Interpret ABG analysis -Assist with arterial puncture -Maintain CVP line, Pulse oximetry -CPR-ACLS ,defibrillators, pacemakers, -Bag-mask ventilation -Emergency tray/trolley, Crash cart -Administration of drugs -Infusion pump -TPN -Chest physiotherapy, active and passive exercises -Counsel patient and family in dealing with grieving and bereavement. 	Provide care to assigned patient Observation report of Critical care unit Drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of Observation report Completion of Activity record
Casualty/ Emergency unit	1	Provide care to patients in emergency and disaster situation Counsel patients and families for grief and bereavement	<ul style="list-style-type: none"> Practice" triage". Assist with assessment, examination, investigations ,and their interpretations in emergency and disaster situations Assist in documentations Assist in legal procedures in the emergency unit. Participate in managing crowd Counsel patient and families in grief and bereavement 	Observation report of emergency unit	Assess performance with rating scale Evaluation of observation report Completion of activity record

Dialysis unit	1	Provide care to patients Undergoing Haemodialysis/ Peritoneal dialysis, renal Transplantation	Monitoring and care of patients during dialysis Assist in documentation, patient education, and counseling	Observation report Nursing care plan	Assess performance with rating scale Evaluation of observation report Completion of activity record
ICU,CCU, Cardiac OT CATH LAB	2	Provide care to critically ill patients. Develop skill in Assisting with Special procedures used in critical Care unit. Identify potential problems and Provide care accordingly. Develop skill in Setting and handling Ventilator. Administer Injections in Infusion pump. Maintain records of Observations and drugs	Assist in arterial puncture for ABG analysis Interpret ABG values Record ECG-interpret values Care of patient on mechanical ventilator Assist in endotracheal intubation, endotracheal suctioning Demonstrate the use of-ventilators Cardiac monitors, hemodynamic monitoring, pulse oximetry, CPR-ACLS Defibrillators, Pacemakers, Bag-mask Ventilation, infusion pumps, -TPN Chest physiotherapy, active and passive exercise Assist with interventional cardiology	Provide care to assigned patients Arterial puncture- Recording ECG- Tracheal suctioning- Administration- CPAP Nursing care plan- Drug record	Observation of performance Evaluation of report Completion of activity record

Neurosurgical ICU,OT	1	Develop skill in Neurological Assessment Provide care to Patients with -head injury, Spinal injury, Cranial and Spinal surgery	Assess neurological status Provide care to patients with head injury and spinal injury Pre and post operative care to neurosurgical patients Assist with surgical procedures	Provide care to assigned patients Neuro assessment -head injury, spinal Injury, pre op, post op. Nursing care plan Drug file	Assessment of Performance Completion of activity record
Burns, plastic And reconstructive Surgery	1	Assess the severity of burns Administer rehydration therapy Observe reconstructive surgery Provide care to Patients with Burns Counsel educate patients and Families	Nursing care of patients with burns -percentage of burns. degree of burns -fluid and electrolyte replacement therapy -record intake/output - care of burn wounds -exercises -counsel and teach patients and families -participate in rehabilitation programme Nursing care of patients undergoing various reconstructive surgeries.	Provide care to assigned patients Nursing care plan Observation report of burns unit	Assess skill with Checklist Assess performance with Rating scale Evaluation of Care plan, observation report Completion of activity record

Oncology unit	2	<p>Provide care to Patients with cancer Counsel patients and families</p>	<p>Screen for common cancers Assist with diagnostic procedures -biopsies, pap smear, bone marrow aspiration, breast self examination Assist with therapeutic procedures Participate in various modalities of treatment-chemotherapy, radiation therapy Pain management, hormonal therapy immunotherapy, Gene therapy, Alternative therapy Participate in palliative care Counsel and teach patients and families -breast self examination -warning signs Participate in rehabilitation programme</p>	<p>Provide care to assigned patients Nursing care plan Observation report of cancer unit</p>	<p>Assess skill with Checklist Assess performance With rating scale Evaluation of care plan and Observation report Completion of activity record</p>
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CHILD HEALTH NURSING

Placement- 3rd year B. Sc Nursing

Nursing: 100 Hours

40 Hours

Hours

Time: 140 Hours
Child Health

External Classes:

Practical: 420

Time Allotment

Genetics & Embryology	-	10 Hours
Pediatric surgery	-	10 Hours
Pediatric Medicine	-	15 hours
Child Psychology	-	5 Hours
Child health nursing	-	100 Hours
Total	-	140 Hours

Course Description

Students identify the normal growth and development, needs/problems of children of various age groups and deviations from normal, recognize the basic concepts, principles and techniques of child care and the role of

family in child rearing, develop beginning ability to plan and provide comprehensive nursing care to children suffering from diseases and disorders.

Genetics and Embryology 10 hours

- Concepts and importance in Pediatrics.
- Gene structure and function
- Pattern of inheritance
- Common chromosomal disorders - Down's Syndrome, Turner's syndrome, Klinefelter's syndrome, Edwards syndrome, Albinism, Inborn errors of metabolism, phenylketonuria, galactosaemia, and mental retardation
- Growth and development of fetus
- Mal development leading to congenital anomalies
- Genetic testing in neonates and children

PEDIATRIC SURGERY - 10 Hours (Pediatric Surgeon specialist)

Management of children with congenital disorders and diseases of

1. Cardiovascular System .

Patent Ductus Arteriosus, Ventricular Septal Defect, Atrial Septal Defect , Tetralogy of Fallot

2. Gastro intestinal system

Cleft lip, Cleft palate, Tracheo-esophageal fistulae, Pyloric stenosis, intestinal obstruction, Hirschsprung's disease, Anorectal Malformations, Omphalocele, Hernias.

3. Central Nervous System

Head injury, Hydrocephalus, Spina Bifida, Encephalocele, Brain Tumors

4. Genitourinary system

Wilm's Tumor, Obstructive Uropathy, Epispadias, Hypospadias, Ectopia vesicae

5. Orthopedic Disorders

Club foot, Hip dislocation, Fracture

6. Burns

PEDIATRIC MEDICINE

15 hours (Pediatrician)

Management of children with diseases of

Respiratory system: Croup, Bronchiolitis, Bronchitis, Pneumonia, Tuberculosis, Bronchial Asthma, emphysema, Empyema, Epiglottitis.

Cardiovascular System: Rheumatic fever, Rheumatic Heart Disease, Congestive Heart Failure, Kawasaki disease.

Gastrointestinal system: Gastroenteritis, Malabsorption syndrome, Hepatitis

Central Nervous System: Meningitis, Encephalitis, Cerebral palsy, Convulsions, Epilepsy

Genito urinary system: Acute glomerulonephritis, Nephrotic syndrome, Renal failure

Endocrine Disorders- Juvenile Diabetes, Congenital Hypothyroidism.

Anaemia, Thalassemia, Hemophilia, Leukemia, Lymphomas, ITP.

HIV/AIDS

CHILD PSYCHOLOGY

5 Hours (Child-Psychologist)

Child's normal behaviour and development, theories of development.

Childhood problems - Behavioural, Developmental, Habit disorders, Discipline

Child guidance and counseling - child guidance clinic, child guidance - home & outside

Unit	Time	Learning	Content	Teaching	Assessment/ Methods
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	(Hrs)	Objective		Learning Activities	
I	9	<p>Explain the concept of child care</p> <p>Describe the principles of child health nursing</p> <p>Recognize the difference between child and adult nursing</p> <p>Identify the reactions of child and family towards hospitalization and illness</p> <p>Describe the major functions and role of pediatric nurse in caring for a hospitalized child</p>	<p>Concepts of child care</p> <p>History of Child Health Nursing</p> <p>Principles of Child Health Nursing</p> <p>Difference between adult and child nursing</p> <p>Rights of children</p> <p>Qualities of a Child Health Nurse</p> <p>Role of Child Health Nurse in caring for a hospitalized child, Reaction of child and family towards illness and hospitalization and nurse's role in minimizing stress, General preoperative and post-operative management of children</p>	<p>Lecture</p> <p>Discussion</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p>
II	5	Describe national policy and child welfare programmes	<p>Preventive Pediatrics</p> <p>National policy &</p>	<p>Lecture</p> <p>Discussion</p>	Short answers

		<p>Recognize universal Immunization programme</p> <p>Explain the activities of Child Guidance Clinic</p> <p>Identify measures to prevent common childhood diseases</p>	<p>legislations in relation to child health and welfare</p> <p>Child welfare programmes: State, National, International Child Morbidity and mortality rates Universal Immunization Programme, cold chain, underfive clinic, wellbaby clinic Genetic counseling Child Guidance Clinic, IMNCI</p>	<p>Immunization clinic</p> <p>Field visit to Child Guidance Clinic</p>	<p>Assessment of Reports</p>
III	10	<p>Describe the normal growth & development of children at different ages</p> <p>Identify the nutritional needs of children at different ages & provide parental guidance.</p> <p>Appreciate the role of play for normal & sick children</p> <p>Appreciate the accident prevention measures and strategies for children</p>	<p>The healthy child</p> <p>Principles of growth and development</p> <p>Factors affecting growth & development</p> <p>Growth and development from conception to adolescence</p> <p>Nutritional needs of children & infants: breast feeding, exclusive breast feeding, supplementary/ artificial feeding and weaning</p> <p>Baby friendly hospital initiative</p> <p>Accidents: causes and prevention</p>	<p>Lecture</p> <p>Discussion</p> <p>Developmental assessment of infant and children</p> <p>Field visit to Anganwadi.</p>	<p>Short answers</p> <p>Objective type</p> <p>Assessment of field visit and developmental study reports</p>

			Play needs of children		
IV	9	<p>Provide care to normal & high risk neonates</p> <p>Perform neonatal resuscitation.</p> <p>Recognize and manage common neonatal problems</p>	<p>Nursing care of a neonate</p> <p>Nursing care of a normal newborn/Essential newborn care</p> <p>Kangaroo mother care</p> <p>Nursing management of High risk Neonate Low birth weight, Respiratory distress syndrome, Pre term, Hyperbilirubinemia, Meconium Aspiration Syndrome, Infant of diabetic mothers, Neonatal infections and preventive measures.</p>	<p>Lecture</p> <p>Discussion</p> <p>Workshop on neonatal resuscitation</p> <p>Demonstration</p> <p>Practice session, Clinical practice</p>	<p>Short</p> <p>Answers</p> <p>Objective type</p> <p>Assessment of skills with checklist</p>
V	5	<p>Demonstrate skill in doing specific Child Health Nursing procedures</p> <p>Provide nursing care to children with various nutritional disorders.</p>	<p>Nursing management in common childhood diseases</p> <p>Specific Child Health Nursing Procedures</p> <p>Nutritional deficiency disorders</p> <p>Protein Energy Malnutrition, Vitamin & Mineral Deficiencies</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Clinical practice</p>	<p>Short</p> <p>answers</p> <p>Objective type</p> <p>Assessment of skills with checklist</p>

V1	5	Provide nursing care in common respiratory disorders in children Demonstrate skill in identifying respiratory disorders in children	Respiratory disorders and infections Croup, Bronchiolitis Bronchitis, Pneumonia, Tuberculosis, Epiglottitis, Bronchial Asthma, Emphysema, Empyema	Lecture Discussion Demonstration Practice session Clinical practice	Essay type Short answers <ul style="list-style-type: none"> ● Objective type ● Assessment of skills with checklist

V11	7	<p>Provide nursing care in common gastro intestinal disorders in children</p> <p>Demonstrate skill in identifying gastro intestinal disorders in children.</p>	<p>Gastrointestinal disorders Medical: gastro enteritis, Malabsorption syndrome, Hepatitis, Indian childhood cirrhosis Surgical: Cleft lip & Palate, Tracheo-esophageal fistula, Pyloric, stenosis, Intestinal obstruction, Diaphragmatic Hernia, Intussusception, Hirschsprung's disease, Anorectal malformation, Omphalocele, Abdominal wall defects, Hernias</p>	<p>Lecture Discussion</p> <p>Clinical Practice</p>	<p>essay type</p> <p>Short answers</p> <ul style="list-style-type: none"> ● Objective type ● Assessment of skills with checklist
V111	6	<p>Demonstrate skill in providing Nursing Care to children with cardio vascular disorders.</p>	<p>Cardio vascular disorders Medical : Rheumatic fever, rheumatic heart disease, Heart failure, Kawasaki Disease. Surgical : Patent ductus arteriosus, Ventricular septal defect, Atrial septal defect,</p>	<p>Lecture Discussion</p> <p>Clinical practice</p>	<ul style="list-style-type: none"> ●Essay type <ul style="list-style-type: none"> ●Short answers ● Objective type ●Assessment of skills with checklist

			Tetralogy of Fallot, TGA,TAPV		
1X	6	Demonstrate skill in providing nursing care to children with common genito-urinary disorders	Genitourinary disorders: Medical: UTI, Acute glomerulo nephritis, Nephrotic syndrome, Surgical: Wilms' tumor, Obstructive uropathy, Epispadias, Hypospadias, Ectopia vesica.	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ●Essay type <ul style="list-style-type: none"> ●Short answers ● Objective type ●Assessment of skills with checklist

X	6	Provide nursing care in common neurological infections in children	<p>Neurological infections and disorders:</p> <p>Medical: convulsions, epilepsy, meningitis, Encephalitis, cerebral palsy.</p> <p>Surgical: Head Injury, Brain Tumors, hydrocephalus, Neural tube defects, Encephalocele</p>	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ●Essay type <ul style="list-style-type: none"> ●Short answers ● Objective type ●Assessment of skills with checklist
X1	5	Provide nursing care in common hematological disorders in children	<p>Hematological disorders:</p> <p>Anemias, thalassemia, ITP, Leukemia, Hodgkins' & Non Hodgkin's Lymphoma, hemophilia</p>	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ●Essay type <ul style="list-style-type: none"> ●Short answers ● Objective type ●Assessment of skills with checklist
X11	3	Provide nursing care in common endocrine disorders in children	<p>Endocrine disorders:</p> <p>Juvenile Diabetes Mellitus, Congenital hypothyroidism</p>	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ●Short answers ● Objective type

X111	2	Demonstrate skill in identifying orthopedic disorders and provide nursing care in orthopedic disorders in children.	Orthopedic disorders: club feet, hip dislocation and fracture.	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ● Short answers ● Objective type
X1V	5	Provide nursing care in common genetic disorders in children	Genetic Disorders Common chromosomal disorders Down's Syndrome, Turner's syndrome, Klinefelter's syndrome, Edwards syndrome, Albinism, Inborn errors of metabolism, phenylketonuria, galactosemia, and mental retardation	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ● Short answers ● Objective type

XV	2	Demonstrate skill in providing care to children with disorders of skin, eye, and ears.	Common disorders of skin, eye, and ears	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ● Short answers ● Objective type
XVI	5	Demonstrate skill in providing care to children with communicable diseases.	Common communicable diseases in children, their - identification, nursing management in hospital and home and prevention.	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ● Short answers ● Objective type
XVII	6	Demonstrate skill in providing Nursing Care to children with emergency conditions.	Child health emergencies poisoning, foreign bodies. Shock, hemorrhage, burns and drowning, snake bite. Nursing care of infant and children with HIV/AIDS, Dengue fever, Chikun Guinea.	Lecture Discussion Clinical practice	<ul style="list-style-type: none"> ● Short answers ● Objective type

XVIII	4	<p>Manage the child with behavioural & social problems</p> <ul style="list-style-type: none"> ● Identify the social & welfare services for challenged children 	<p>Management of behavioural & social problems in children</p> <ul style="list-style-type: none"> ● Management of common behavioural disorders ● Management of common psychiatric problems ● Management of challenged children: Mentally, Physically, & Socially challenged ● Welfare services for challenged children in India. 	<p>Lecture Discussion</p> <ul style="list-style-type: none"> ● Field visits to school for mentally, physically and socially challenged 	<ul style="list-style-type: none"> ● Short answers ● Objective type
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CHILD HEALTH NURSING – PRACTICAL

Placement : Third Year

Time: 420 Hours (10 weeks)

Areas	Duration (in wks)	Objectives of posting	Skills to be developed	Assignments	Assessment method
Pediatric Medicine ward	3	Provide nursing care to children with' various medical disorders Counsel and educate parents	Taking Pediatric history Physical examination and assessment of children. Administer of oral, I/M & IV medicine /fluids Calculation of fluid requirements Prepare different strengths of IV fluids Apply restraints Administer O ₂ inhalation by different methods. Feed children by cup and spoon Collect specimens for common investigations Assist with common diagnostic procedures Teach mothers/parents Malnutrition Oral rehydration therapy feeding & Weaning Immunization schedule play therapy Specific Disease	Give care to three assigned pediatric patients Nursing care plan-I Case study/ presentation-1 Health talk- 1	Assess clinical performance with rating scale Assess each skill with checklist OSCE/ OSPE Evaluation of case study/ presentation and Health education session Completion of activity record

			Conditions		
Pediatric Surgery Ward	3	Recognize different pediatric surgical conditions/ malformations Provide pre and post operative care to children with common paediatric surgical conditions/ malformations Counsel and educate parents	Calculate prepare and administer I/V fluids Do bowel wash Care for ostomies: colostomy irrigation- Ureterostomy-Gastrostomy- Enterostomy Urinary Catheterization and drainage Feeding-Naso-gastric Gastrostomy- Jejunostomy Care of surgical wounds Dressing -Suture removal	Give care to three. Assigned pediatric patients Nursing care Plan-I Case study/ Presentation - I	Assess clinical performance with rating scale Asses each skill with check list OSCE/ OSPE Evaluation of ease study/ presentation Completion of activity record
paediatric OPD/ Immunization room	1	Perform assessment of children: Health developmental and anthropometric Perform Immunization Give Health' Education	Assessment of children Health assessment Developmental assessment Anthropometric assessment Immunization Health/Nutritional Education	Developmental study - I	Assess clinical performance with rating scale Completion of activity record

		/Nutritional Education			
Peadiatric Medicine and surgery ICU	3	Provide nursing care to critically ill children	Care of a baby in incubator/ warmer Care of a child on ventilator Endotracheal suction Chest physiotherapy Administer fluids with infusion pump Total parenteral nutrition Phototherapy Monitoring of babies Cardio Pulmonary resuscitation	Nursing care plan-I Observation report	Assess clinical performance with rating Completion of activity record Evaluation of observation report

References

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Bowden, Children and their family, Lippincott Williams & Wilkins Latest Edn.

Internal Evaluation

Method of evaluation	Weightage
1. Theory	
Three sessional examinations	100%
2. Clinical	
1. Growth & development assessment (Infant, Toddler, Pre-schooler) and Newborn assessment	10%
2. Care Study -2	
Medical -1	10%
Surgical -1	
3. Health Talk	10%
4. Case Presentation- 1 (Medical/Surgical)	10%
5. Ongoing Clinical Evaluation	40%
6. Internal Practical Exam	20%
Total	100

MENTAL HEALTH NURSING

Placement: Third Year

Time: Theory – 120 hours

Practical – 360 hours

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
I	6	<ul style="list-style-type: none"> • Describe the historical development & current trends in mental health nursing • Describe the epidemiology of mental health problems • Describe Mental Health Act, Forensic Psychiatry • Discuss the admission & discharge procedure • Discuss the Role and responsibilities of the Nurse. • Discusses the scope of mental health nursing • Describe the 	<p>Introduction</p> <ul style="list-style-type: none"> • Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatment and nursing practices. • Prevalence and incidence of mental health problems and disorders in India • Mental health team • Nature and scope of mental health nursing • Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice • Concepts of normal and abnormal behaviour 	<ul style="list-style-type: none"> • Lecture discussion 	<ul style="list-style-type: none"> • Short answer

		concept of normal & abnormal behaviour			
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II	8	<ul style="list-style-type: none"> • Defines the various terms used in mental health nursing • Explains the classification of mental disorders • Explain psycho dynamics of maladaptive behaviour • Discuss the etiological factors, psychopathology of mental disorders • Explain the Principles and standards of Mental health Nursing • Describe the conceptual models of mental health nursing 	<p>Principles and Concepts of Mental Health Nursing</p> <ul style="list-style-type: none"> • Definition: mental health nursing and terminology used • Classification of mental disorders: ICD • Review of personality development, defense mechanisms • Maladaptive behaviour of individuals and groups : stress, crisis and disaster(s) • Etiology : bio-psycho-social factors • Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission • Principles of Mental health Nursing • Standards of Mental health Nursing practice • Conceptual models and the role of nurse: <ul style="list-style-type: none"> ○ Psycho-analytical models- Freud ○ Behavioural model- BF. Skinner, Joseph Wolpe, EL.Thorndike, Ivan Pavlov ○ Psychosocial model- Erikson ○ Interpersonal model- H. Peplau ○ H.S. Sullivan 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts • Review of personality development 	<ul style="list-style-type: none"> • Essay type • Short answer
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II I	8	<ul style="list-style-type: none"> Describe nature, purpose and process of assessment of mental health status 	<p>Assessment of mental health status</p> <ul style="list-style-type: none"> History taking Mental status examination Mini mental status examination Neurological examination: Review Investigations: Related Blood chemistry, EEG, CT & MRI Psychological tests Role and responsibilities of nurse 	<ul style="list-style-type: none"> Lecture discussion Demonstration 	<ul style="list-style-type: none"> Short answer Assessment of skills with check list
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I V	8	<ul style="list-style-type: none"> • Identify therapeutic communication techniques • Describe therapeutic relationship • Describe therapeutic impasse and its intervention 	<p>Therapeutic communication and nurse-patient relationship</p> <ul style="list-style-type: none"> • Therapeutic communication: Types, techniques, characteristics (Review) • Types of relationship, • Ethics and responsibilities • Elements of nurse patient contract • Review of technique of IPR-Johari Window • Goals, phases, tasks, therapeutic techniques • Therapeutic impasses and its intervention 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Role play • Process recording 	<ul style="list-style-type: none"> • Short answer • Short Essay
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V	10	<ul style="list-style-type: none"> • Explain treatment modalities and therapies used in mental disorders and role of the nurse 	<p>Treatment modalities and therapies used in mental disorders</p> <ul style="list-style-type: none"> • Psycho Pharmacology • Psychological therapies: Therapeutic community <p>Psycho therapy</p> <p>- Individual therapy</p> <p>psychoanalytical,</p> <p>cognitive and</p> <p>supportive</p> <p>- Family Therapy</p> <p>- Group Therapy</p> <p>Behavioral Therapy</p> <p>Play therapy,</p> <p>Psycho-drama</p> <p>Music, Dance,</p> <p>Recreational and</p> <p>Light therapy,</p> <ul style="list-style-type: none"> • Relaxation therapies 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Group work • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers
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			<ul style="list-style-type: none"> - Relaxation Technique - Yoga, Meditation, bio Feedback • Occupational therapy • Physical Therapy: electro convulsive therapy 		
V I	8	<ul style="list-style-type: none"> • Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia 	<p>Nursing management of patient with Schizophrenia and other delusional disorders</p> <ul style="list-style-type: none"> • Classification; ICD • Etiology, psycho-pathology, types, clinical manifestations, diagnosis • Nursing Assessment- History, Physical and mental assessment • Treatment modalities and nursing management of patients with Schizophrenia • Follow-up, and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of patient & management of problems

V II	8	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, Diagnostic criteria and management of patients with affective disorders 	<p>Nursing management of patient with affective disorders</p> <ul style="list-style-type: none"> Affective disorders: Bipolar, Mania depression Etiology, psycho-pathology, clinical manifestations, diagnosis, Nursing Assessment- History, Physical and mental assessment Treatment modalities and nursing management of patients with mood disorders Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assess-ment of patient & manage-ment of problems
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V II I	8	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatoform disorders 	<p>Nursing management of patient with neurotic, stress related and somatoform disorders</p> <ul style="list-style-type: none"> Anxiety disorder, Phobias, Dissociative disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder Etiology, psycho-pathology, clinical manifestations, diagnosis Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with anxiety, OCD, Phobias, stress related and somatoform disorders Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assess-ment of patient & manage-ment of problems
I X	8	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, 	<p>Nursing management of patient with Substance use disorders</p> <ul style="list-style-type: none"> Commonly used psychotropic 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presen- 	<ul style="list-style-type: none"> Essay type Short answers Assess-ment of patient & Manage

		<p>diagnostic criteria and management of patients with substance use disorders</p>	<p>substance: Classification, forms, routes, action, intoxication and withdrawal</p> <ul style="list-style-type: none"> • Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis, • Nursing Assessment-History, Physical, mental assessment and drug assay • Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders • Follow-up and home care and rehabilitation 	<p>tation</p> <ul style="list-style-type: none"> • Clinical practice 	<p>ment of problems</p>
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X	8	<ul style="list-style-type: none"> Describe the etiology, psychopathology, clinical manifestations, Diagnostic criteria and management of patients with sleep, Sexual and Eating disorders 	<p>Nursing management of patient with Behavioral syndromes associated with Physiological disturbances and physical factors, sleep</p> <p>Sexual dysfunction and Eating disorders</p> <p>Eating disorders</p> <ul style="list-style-type: none"> Anorexia nervosa Bulimia nervosa <p>Non organic sleep disorder</p> <ul style="list-style-type: none"> Insomnia Hypersomnia Sleep walking Nightmares <p>Sexual dysfunctions</p> <p>Puerperium psychosis</p> <ul style="list-style-type: none"> Classification of disorders Etiology, psycho-pathology, characteristics, diagnosis, Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with Non organic sleep <p>Sexual and Eating disorders</p> <ul style="list-style-type: none"> Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assessment of patient & management of problems
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X I	8	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency 	<p>Nursing management of childhood and adolescent disorders including mental deficiency</p> <ul style="list-style-type: none"> Classification Etiology, psycho-pathology, characteristics, diagnosis Nursing Assessment-History, Physical , mental and IQ assessment Mental Retardation <p>Developmental disorder of</p> <ul style="list-style-type: none"> Speech & language Scholastic skills Hyperkinetic disorder Conduct disorder Autism Enuresis Encopresis Tic disorders 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assess-ment of patient & manage-ment of problems
X II	7	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, 	<p>Nursing management of organic mental disorders</p>	<ul style="list-style-type: none"> Lecture discussion Case discussion 	<ul style="list-style-type: none"> Essay type Short answers Assess-ment of patient &

		clinical manifestations, diagnostic criteria and management of organic brain disorders	<ul style="list-style-type: none">• Classification:• Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis- Dementia, Delirium alzheimer's <ul style="list-style-type: none">• Nursing Assessment-History, Physical, mental and neurological assessment• Treatment modalities and nursing management of organic mental disorders• Follow-up and home care and rehabilitation	<ul style="list-style-type: none">• Case presentation• Clinical practice	management of problems
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XIII	8	<ul style="list-style-type: none"> Identify psychiatric emergencies and carry out crisis intervention 	<p>Psychiatric emergencies and crisis intervention</p> <ul style="list-style-type: none"> Types of psychiatric emergencies and their management Stress adaptation Model: stress and stressor, coping, resources and mechanism Grief: Theories of grieving process, principles, techniques of counseling Types of crisis Crisis Intervention: Principles <p>Techniques and Process</p>	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Clinical practice 	<ul style="list-style-type: none"> Short answers
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XIV	5	<ul style="list-style-type: none"> Describe the etiology, psychopathology, clinical feature and management of personality disorders 	<ul style="list-style-type: none"> Disorder of adult personality and Behaviour Personality disorders Gender identity disorder <ul style="list-style-type: none"> Transsexualism Dual role Tranvestism Sexual preference (pervation) Habit and Impulse disorder 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answers
XV	4	<ul style="list-style-type: none"> Identify the mental disorders of old age, Discuss the management of Mental Health Problems of old age & the role of Geropsychiatric Nurse 	<p>Geropsychiatry</p> <p>I Theories of aging (Review)</p> <p>II Mental illness in elderly</p> <ul style="list-style-type: none"> Management of Mental disorder in old age Role of Geropsychiatric Nurse 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answers

XVI	4	<ul style="list-style-type: none"> • Explain legal aspects applied in mental health settings 	<p>Legal issues in Mental Health Nursing</p> <ul style="list-style-type: none"> • The Mental Health Act 1987: Act, Sections, Articles and their implications etc. • Indian Lunacy Act. 1912 • Rights of mentally ill clients • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion 	<ul style="list-style-type: none"> • Short answers

			discharge procedures (Govt. hospitals) Role and responsibilities of nurse		
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XVII	4	<ul style="list-style-type: none"> • Describe the model of preventive psychiatry • Describes Community Mental health services and role of the nurse 	<p>Community Mental Health Nursing</p> <ul style="list-style-type: none"> • Development of Community Mental Health Services: • National Mental Health Programme • Institutionalization Versus Deinstitutionalization • Model of Preventive psychiatry: Levels of Prevention • Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse • Mental Health Agencies: Government and voluntary, National and International • Mental health nursing issues for special 	<ul style="list-style-type: none"> • Lecture discussion • Clinical/field practice • Field visits to mental health service agencies 	<ul style="list-style-type: none"> • Short answers • Assessment of the field visit reports
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			populations: Victims of violence and abuse, disaster, HIV/AIDS etc.		
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Internal Assessment - Theory

		Weightage
1) Assignment	2	10%
2) Sessional Exam	3	60%
3) Model Exam	1	30%

References (Latest Editions)

Sadock K. (1998) Synopsis of psychiatry, William and Wilkins Baltimore, USA

Stuart G.W.& Sandeen S.J Psychiatric Nursing (1998) C.V. Mosby company

Judith Sheila V. Lippincott Manual of psychiatric Nursing care plan, Williams & Wilkins Philadelphia 2005

Gelder M. Oxford, Textbook of Psychiatry, New York, Oxford University Press

WHO (1992) ICD – 10 Classification of mental & behavioural disorders clinical descriptive diagnostic guideline, Oxford University Press, Oxford

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Lego, Suzanne, The American Handbook of Psychiatric Nursing, J.B. Lippincott company, Philadelphia

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Townsend C. Mary, Psychiatric Mental Health Nursing Jaypee Brothers, Medical Publishers

National Mental Health Programme for India draft

Mental Health Act, 1987

Schultz. Lippincott's Manual of Psychiatric Nursing Care Plans, Lippincott William & Wilkins

Sreevani, A guide to mental health and Psychiatric nursing Jaypee Brothers Medical publisher

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Shives Rebraca Louise – Basic concepts of psychiatric. Mental Health Nursing , Lippincott William & Wilkins

MENTAL HEALTH NURSING - PRACTICAL

Placement: Third Year

Time: Practical – 360 hours (9 weeks)

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Psychiatric OPD	1	<ul style="list-style-type: none"> • Assess patients with mental health problems • Observe and assist in therapies • Counsel and educate patient, and families 	<ul style="list-style-type: none"> • History taking • Perform mental status examination (MSE) • Assist in Psychometric assessment • Perform Neurological examination 	<ul style="list-style-type: none"> • History taking and Mental status examination -5 • Health Education-1 • Observation report of OPD 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation

			<ul style="list-style-type: none"> • Observe and assist in therapies • Teach patients and family members 		<p>of health education</p> <ul style="list-style-type: none"> • Assessment of observation report • Completion of activity record.
Child Guidance clinic	1	<ul style="list-style-type: none"> • Assessment of children with various mental health problems • Counsel and educate children, families and significant others. 	<ul style="list-style-type: none"> • History taking • Assist in psychometric assessment • Observation and assist in various therapies • Teach family and significant others 	<ul style="list-style-type: none"> • Observation report of different therapies one each 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of the observation report

Inpatient ward	6	<ul style="list-style-type: none"> • Assess patients with mental health problems • To provide nursing care for patients with various mental health problems • Assist in various therapies • Counsel and educate patients, families and significant others 	<ul style="list-style-type: none"> • History taking • Perform mental status examination (MSE) • Perform Neurological examination • Assist in psychometric assessment • Record therapeutic communication • Administer medications • Assist in Electro convulsive Therapy(ECT) • Participate in all therapies • Prepare patients for Activities of Daily living (ADL) • Conduct admission and discharge counseling • Counsel and teach patients and families 	<ul style="list-style-type: none"> • Give care to 2-3 patients with various mental disorders • Case study-1 • Care plan-2 • Clinical presentation-1 • Process recording-5 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of the case study, care plan, clinical presentation , process recording • Completion of activity record.
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Community psychiatry	1	<ul style="list-style-type: none"> To identify patients with various mental disorders To motivate patients for early treatment and follow up To assist in follow up clinic <p>Counsel and educate patient, family and community</p>	<ul style="list-style-type: none"> Identify individuals with mental health problems Assists in mental health camps and clinics <p>Counsel and Teach family members, patients and community</p>	<ul style="list-style-type: none"> Observation report on field visits <ol style="list-style-type: none"> Special School for Mentally challenged De addiction Centre Old age home Rehabilitation centre for mentally ill Home for Destitute 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of case work and observation report <p>Completion of activity record.</p>
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Plan for Internal Assessment- Practical

Details of Clinical Assignments

Weightage (%)

1) Case Study	-1	- 10
2) Care Plan	- 4	- 10
3) Concept Mapping	-1	- 5
4) Mental Status Examination	- 5	- 5
5) Process Recording	- 5	- 5
6) Clinical Presentation	-1	- 5
7) Health Education	-1	- 10
8) Drug File		- 5
9) Clinical Evaluation		- 15

Practical Examination

1) Sessional Examination	-1	- 15
2) Model Examination	-1	- 15

Nursing Research and Statistics

Placement: Third Year

Time : Theory – 50 Hours

(Nursing Research – 35 hours

Statistics- 15 hours)

Practical – 80 hours (2 weeks)

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

Unit	Time (Hours)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
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1	4	Describe the concept of research, terms, need and areas of research in nursing Explain the steps of research process.	Research and research process <ul style="list-style-type: none"> ●Introduction and need for nursing research ●Definition of Research & nursing research ●Steps of scientific methods ●Characteristics of good research ●Steps of Research process-overview 	Lecture Discussion Narrate steps of research process followed from examples of published studies	Short answer Objective type
11	4	Identify and state the research problems and objectives	Research Problem/Question <ul style="list-style-type: none"> ●Identification of problem area ●Problem statement ●Criteria of a good research problem ●Writing objectives 	Lecture Discussion Exercise on writing statement of problems and objectives	Short answer Objective type

111	3	Review the related literature	Review of Literature <ul style="list-style-type: none"> ●Location ●Sources ●On line search: CINHAL, COCHRANE ●Purposes ●Method of review 	Lecture Discussion Exercise on reviewing one research report/article for a selected research problem. Prepare annotated bibliography	Short answer Objective type
1V	6	Describe the research approaches and designs	Research approaches and designs <ul style="list-style-type: none"> ●Historical, survey and experimental ●Qualitative and Quantitative designs 	Lecture Discussion Explain types of research approaches used from examples of published and unpublished research studies with rationale	Short answer Objective type
V	10	Explain the sampling process Describe the methods of data collection	Sampling and data collection <ul style="list-style-type: none"> ●Definition of population, Sample, sampling criteria, factors influencing Sampling process, types of sampling techniques ●Data-why what, from 	Lecture Discussion Reading assignment on examples of data Collection tools. Preparation of sample data collection tool. Conduct group	Short answer Objective type

			<p>whom, when and where to collect</p> <ul style="list-style-type: none"> ●Data collection methods and instruments: -Methods of data collection-questioning, Interviewing observations, record analysis and measurement -Types of instruments -Validity & Reliability of the instrument -Pilot study -Data collection procedure 	research project	
V1	4	Analyse Interpret and summarize the research data	<p>Analysis of data:</p> <p>Compilation, Tabulation, classification, summarization, presentation, interpretation of data</p>	Lecture Discussion Preparation of sample table	Short answer Objective type
V11	15	Explain the use of	<p>Introduction to statistics</p>	Lecture Discussion Practice on graphical	Short answer

V111	4	<p>statistics scales of measurement and graphical presentation of data Describe the measures of central tendency and variability and methods of correlation</p> <p>Communication and utilization of Research findings</p>	<p>Definition, use of statistics, scales of measurement Frequency distribution and graphical presentation of data Mean, Median Mode, Standard deviation Normal probability and tests of significance Co-efficient of correlation Statistical packages and its application</p> <p>Communication and utilization of Research ●Communication of research findings -Verbal report -Writing research report -Writing scientific article/paper -Critical review of published research -Utilization of research findings</p>	<p>presentations Practice on computation of measures of central tendency, variability & correlation</p> <p>Lecture Discussion Read/Presentations of a sample published/unpublished research report Writing group research project</p>	<p>Objective type</p> <p>Short answer</p> <p>Objective type</p> <p>Oral presentation</p> <p>Assessment</p>
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					of group research project.
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Project

Each group of 5 to 7 student will undertake a research project intended to improve patient care directly or indirectly. Project report has to be submitted for evaluation.

References:

Polit .D.F.and BeckC.T., Nursing Research : Principles and Methods , Lippincott Williams and Wilkins (Latest edn.).

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Burns .N. and Susan K Groove. Understanding Nursing research building an Evidenced Based Practice.W.B.Saunders,St.Luis.

A Textbook of Nursing Research. A TNAI Publication,V Publishers, Kottayam. (Latest edn.).

Wood,G.L.and Haber J.Nursing research methods and Critical Appraisal for Evidenced- Based Practice.Elsevier.

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