Medical Surgical Nursing

Cardiovascular Thoracic Nursing

Placement : III Semester- T-75 hrs (I-VIII unit)

Practical- 150 hrs

IV Semester- T-75 hrs (IX- XIV unit)

Practical-810 hrs

Hours of Instruction

Theory: 150 hours: C-3

Practical: 960 hours: C-16

Total: 1100 hours: C-19

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of cardiovascular and thoracic nursing. It will help students to develop advanced skills for nursing intervention in various cardio medical and surgical conditions. It will enable the student to function as Cardio vascular and Thoracic Nurses practitioner / specialist. It will further enable the student to function as educator, manager and research in the field of cardiovascular and thoracic nursing.

Objectives

At the end of the course the students will be able to:

- 1. Appreciate trends and issues related to cardiovascular and thoracic Nursing
- 2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardiovascular and thoracic conditions

- 3. Participate in national health programmes for health promotion prevention and rehabilitation of patients with cardiovascular and thoracic conditions
- 4. Perform physical, psychosocial and spiritual assessment
- 5. Assist in various diagnostic, therapeutic and surgical procedures
- 6. Apply nursing process in providing comprehensive care to patients with cardiovascular and thoracic conditions
- 7. Demonstrate advance skills/competence in managing patients with cardio vascular and thoracic conditions including Advance Cardiac Life support
- 8. Describe the various drugs used in cardio vascular and thoracic conditions and nurses responsibility
- 9. Demonstrate skill in handling various equipments /gadgets used for critical care of cardiovascular and thoracic patients
- 10. Appreciate team work and co-ordinate activities related to patient care
- 11. Practice infection control measures
- 12. Identify emergencies and complications and take appropriate measures
- 13. Discuss the legal and ethical issues in cardio vascular and thoracic nursing
- 14. Assist patients and their family to cope up with emotional distress, grief anxiety and spiritual needs
- 15. Appreciate the role of alternative system of medicine in care of patient
- 16. Incorporate evidence based nursing practice and practice and identify the areas of research in the field of cardiovascular and thoracic nursing
- 17. Identify the sources of stress and manage burnout syndrome among health care providers
- 18. Teach and supervise nurses and allied health workers
- 19. Design a layout of ICCU and ICTU and develop standards for cardio vascular and thoracic nursing practice

Course Content

Unit	Hours	Topics
I	5	 INTRODUCTION Historical development, trends and issues in the field of cardiology. Cardio vascular and thoracic conditions –major health problem. Concepts, principles and nursing perspectives Ethical and legal issues Evidence based nursing and its application in cardio vascular and thoracic nursing (to be incorporated in all the units)

II	5	EPIDEMIOLOGY
:		 Risk Factors : Hereditary psychosocial factors, hypertension, smoking, obesity, diabetes mellitus etc. Health promotion disease prevention, Life style modification Conditions National health programs related to cardio vascular and thoracic conditions Alternative system of medicine Complementary therapies
III	5	REVIEW OF ANATOMY AND PHYSIOLOGY OF CARDIO VASCULAR AND
		RESPIRATORY SYSTEM
		 Review anatomy& physiology of heart, lung, thoracic cavity Embryology of the heart & lungs Coronary circulation, Pulmonary circulation, Systemic circulation Hemodynamic and electrophysiology of heart Biochemistry of blood in relation to cardio pulmonary function
IV	20	ASSESSMENT AND DIAGNOSTIC MEASURES
		 History taking Physical assessment Heart rate variability: Mechanisms, measurements, pattern, factors, impact of interventions on HRV Diagnostic tests Hemodynamic monitoring: Technical aspects, monitoring, functional hemodynamic indices, ventricular function indices, output measurements (Arterial and swan Ganz monitoring). Blood gases and its significances, oxygen supply and demand Radiological examination of the chest & its implications Interpretation ,chest, films findings Electrocardiography(ECG) –Electrical conduction to the heart electrocardiography,12 lead electero cardiography determination ECG changes in intraventricular conduction abnormalities, arrhythmias, ischemia and infraction, atrial and ventricular enlargement imbalance. Echocardiography-Echocardiography of cardiac structure in health and disease, newer techniques-indication, procedure, normal and deviation Nuclear and other imaging study of the heart Stress test(TMT):indications and objectives ,safety and pre intra and post care Cardio :electrophysiology procedure: diagnostic studies ,interventional

		 and catheter ablation, nursing care Cardiac catheterization: indications and contraindications preparations, procedures, interpretation of data, After care spirometry, blood gas analysis, x-ray chest electrophysiology procedures, diagnostic studies, interventional and catheter ablation, nursing care Pulmonary function test-bronchoscope and graphics Interpretation of diagnostic measures Nurses role in diagnostic test Blood test: blood specimen collection, Cardiac markers, blood lipids, hematological studies, blood culture, coagulation studies, cardiac enzymes, ABG, blood chemistries, serum concentration of selected drugs Interpretation and role of nurse Heart rate variability mechanisms, measurements, patterns, factors, impact intervention HRV
V	10	 CONGENITAL HEART DISEASES Etiology ,clinical manifestations ,diagnosis, prognosis related pathophysiology and nursing management of: Review of embryological development of heart Classification- Cyanotic heart diseases, acrynotic heart diseases Tetralogy of fallots Atrial septal defect, Ventricular septal defect, Eisenmenge'rs complex Patent duct arteriousus, AP window Trancus Arteriosus Trotal Anomaly of Pulmonary venous Connection. Pulmonary stenosis, atresia. Coarctation of aorta. Ebstein's anomaly Double outlet right ventricle, Single ventricle, Hypoplastic left heart syndrome.

10	VASCULAR DISORDERS AND NURSING MANAGEMENT
	 Etiology, clinical manifestation, diagnosis, prognosis related pathophysiology and nursing management of: Disorders of arteries
	 Disorders of the aorta
	Aortic aneurysm
	Aortic dissection
	 Raynaud's phenomenon
	 Peripheral artery diseases of the lower extremities
	Venous thrombosis
	Varicose veins
	 Chronic venous insufficiency and venous leg ulcers
	Pulmonary embolism
10	
10	CARDIOTHORACIC EMERGENCY INTERVENTIONS
	 CPR - BLS & ACLS Use of patient ventilator, defibrillator, Pacemaker
	 Care of critically ill patients ICU psychosis & stress management
	 Post resuscitation Care
	 Psychosocial and spiritual aspects of care.
10	NURSING CARE OF A PATIENT WITH OBSTRUCTIVE AIRWAY
10	
	Assessment
	Use of the artificial airway
	 Complications, minimum cuff leak, securing tubes
	 Endotracheal intubation, tracheostomy and its care
	Oxygen delivering systems
	Nasal cannula
	 Oxygen mask, ventury mask
	Partial rebreathing bag
	Bi- PAP and C PAP mask
	 Uses , advantages, disadvantages, nursing implications of each
	Mechanical ventilation
	Principles of mechanical ventilation
	 Types of mechanical ventilation and ventilators
	 Modes of ventilation, advantages , disadvantages, complications
	 PEEP therapy, indications, physiology and complications, weaning of the
	10

		ventilator
		 Nursing assessment and intervention of ventilator patient
IX	10	PHARMACOLOGY THERAPEUTIC TO CVT CONDITION
		Pharmacokinetics
		 Analgesics/anti inflammatory agents
		Antibiotics, antiseptics
		Drug reaction and toxicity
		 Drug used in cardiac emergencies
		 Blood and blood components
		Antithrombolytic agents
		Ionotropic agents
		Beta blocking agents
		Calcium channel blockers
		Vasoconstrictors
		Vasodilators
		ACE inhibitors
		Anticoagulants
		Antiarrhythmic drugs
		Antihypertensive
		Sedative and transquilizers
		Digitalis
		Antilipemics
		• principles of drug administration, role and responsibilities of nurses and
		care of drugs
Х	25	CARDIAC DISORDERS AND NURSING MANAGEMENT
		Etiology divided manifestation diagnosis prognesis related
		 Etiology, clinical manifestation, diagnosis, prognosis related pathophysiology, complication, rehabilitation drugs, specific diet and
		nursing management of:
		 Hypertension
		 Ischemic heart disease, Angina pectoris, Coronary artery disease
		 Myocardial infarction
		 Inflammatory heart diseases, Endocarditis, myocarditis, pericarditis
		 Heart failure, acute chronic ,CCF
		 Rheumatic heart disease and other valvular diseases
		 Cardiomyopathies, dilated, restrictive hypertrophic, cardiomegaly
		 Cardiomyopatines, dilated, restrictive hypertrophic, cardiomegaly Arrhythmias

		 Cardiac emergencies Angina of various types and associated illnesses
XI	10	 ALTERED PULMONARY CONDITIONS: Etiology, clinical manifestation, diagnosis, prognosis related pathophysiology, complications, Preventive measures, Rehabilitations, Patient education, Drug specific, Diet specific and nursing management of: Bronchitis Bronchial Asthma Bronchiectasis Pneumonias Lung abscess, lung tumour Pulmonary tuberculosis, fibrosis, pneumoconiosis etc Pleuritis, effusion Pneumo, haemo and pyothorax Interstitial lung disease Cystic fibrosis Acute and chronic obstructive pulmonary disease (conditions leading to) Cor pulmonale Acute respiratory failure, Adult respiratory distress syndrome pulmonary embolism pulmonary hypertension

		NURSING CARE OF PATIENT UNDERGOING CARDIOTHORACIC SURGERY
XII	20	
		 Indications, selection of the patient Pre operative assessment and preparation, counseling Intra operative care: Principles of open Heart Surgery, equipment, anesthesia, cardio pulmonary bi-pass Surgical procedures for coronary artery bypass grafting, recent advances and types of grafts, Angioplasty, Valve replacement or reconstruction, Cardiac transplant, Vascular surgeries, different stents and other recent advances. Thoracic surgery : labectomy, pnuemonectomy, tumours excision, Immediate Post-op care: Assessment post operative problems and interventions : Bleeding, cardiac temponade, low cardiac output, infarction, pericardial effusion, pleural effusion, pneumothorax, haemothorax, coagulopathy, thermal imbalance, inadequate ventilation/ perfusion, neurological problems, renal problems, psychological problems, Chest physiotherapy Nursing interventions, complementary therapy/ alternative system of medicine Intermediate and late post operative care after CABG, Valve surgery, others Follow up care
XIII	5	 CARDIAC REHABILITATION AND PREVENTIVE MEASURES Process Physical evaluation Life style modification Physical conditioning for cardiovascular efficiency through exercise counseling follow up care Preventive measures

		INTENSIVE CORONARY CARE UNIT INTENSIVE CARDIO THORACIC UNIT:
XIV	5	 Quality assurance Standard , policies , procedures, protocol, Infection control : standard safety measures Nursing audit Design ICCU / IRCU (ICTU) Staffing cardiac team (respiratory team) Burn out syndrome Nurses role in the management of ICCU and IRCU (ICTU) Mobile coronary care unit Planning in-service educational program & teaching

Practical

Clinical practice in medical surgical cardio thoracic wards, intensive care units, cardio thoracic OPD, community preventive cardiology and operation theaters

Total – 960 hrs

1 week – 30 hrs

6 hrs per day * 5 days

S.No.	Dept./Unit	No. of Week	Total Hours
1	Cardio thoracic – medical	4	120
	- surgical	4	120
2	OTs (cardiac and thoracic)	4	120
3	Casuality	2	60
4	Diagnostic labs including cath labs	2	60
5	ICCU	4	120

6	ICU	4	120
7	CCU	4	120
8	Paediatric intensive	2	60
9	OPD	2	60
	Total	32 weeks	960

Evaluation Criteria:

Theory:

Unit test l	25 marks
Prefinal	75marks
Seminar (1)	100 marks each
Topic Presentation(1)	50 marks
Journal Presentation(1)	25 marks
Written assignment	25 marks
Total marks	300marks (send university out of 25)
Practical:	
Unit test l	25 marks

Unit test l	25 marks
Prefinal	100 marks
Nursing procedure	50 marks

Clinical assignments

• Case study (2)	50x2=100
• Case presentation (2)	50x2=100
• Care plan (3)	50x3=150
• Clinical evaluation (2)	100x2=200
 Project work(1) 	100x1=100
Total marks	825marks (send university out of 100)

University Examination:

Theory: 75

Practical: 100

References

- Black M. Joyce, "Medical-surgical Nursing", Elsevier publication, 7th Editio.
- Brunner and suddarths, "textbook of Medical-surgical Nursing", Lippincott Williams's publication, 10th Edition.
- Davidson's, "Principle and practice of Medicine", Churchill publication, 20th Edition.
- Harcourt Brace, "A textbook of cardiovascular medicine", Saunders publication, 5th Edition.

- Ignatavicus workman, "Medical-surgical Nursing", Saunders publication, 2nd Edition
- Lewis, "Medical-surgical Nursing", Elsevier publication, 7th Edition.
- Petrica C. Seifert, "Perioperative Nursing Cardiac Surgery", Mosbey publication.
- Susan L. Wood, "Cardiac Nursing", Lippincott Williams's publication, 5th Edition.
- The Lippincott, "Manual of Nursing Practice", Lippincott Williams's publication, 2nd Edition
- Topol Eric J., "Manual of Cardiovascular Medicine", Lippincott Williams & Wilkins Publication, 3rd Edition.
- Tortora J. Gerard, "Principle of Anatomy and Physiology", Wiley publication, 11th Edition.
- Lippincott Williams's publication, 10th Edition.
- Davidson's, "Principle and practice of Medicine", Charuchill publication, 20th Edition.
- Harcourt Brace, "A textbook of cardiovascular medicine", Saunders publication, 5th Edition.
- Ignatavicus workman, "Medical-surgical Nursing", Saunders publication, 2nd Edition, 1st Vol.
- Petrica C. Seifert, "Perioperative Nursing Cardiac Surgery", Mosbey publication.

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M Sc Nursing Evaluation criteria for Case study

Name of the student: Topic: Date of submission:

Sr No	Criteria	Marks allotted	Marks obtained
1	Assessment	05	
2	Theoretical knowledge about disease	05	
3	Comparative study of patient's disease & book picture	10	
4	Management: Medical/surgical	05	
5	Nursing process	15	
6	Drug study	03	
7	Summary & conclusion including research evidence	05	
8	Bibliography	02	
	Total	50	

Remark

Signature of student Date:

Signature of evaluator Date:

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M Sc Nursing Evaluation criteria for Care Plan

Name of the student:

Topic: Date of submission:

Field of placement:

Sr No	Criteria	Marks allotted	Marks obtained
1	Assessment	12	
2	Nursing diagnosis	3	
3	Goal	2	
4	Outcome criteria/Objective	2	
5	Nursing intervention	15	
6	rationale	03	
7	Evaluation	03	
8	Nurses notes	10	
	Total	50	

Remark

Signature of student Date:

Signature of evaluator Date:

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M Sc Nursing

Evaluation criteria for Case presentation

Name of the student:

Name of the patient: Diagnosis: Ward: Date of presentation:

Sr	Criteria	Marks allotted	Marks obtained
No			
1	Subjective & objective data	08	
2	Problem & need identified & nursing care plan	15	
3	Effectiveness of presentation	05	
4	Corelation with patient & book, research evidence	10	
5	Use of A. V. aids	05	
6	Physical arrangement	02	
7	Group participation	03	
8	Bibliography	02	
	Total	50	

Remark

Signature of student Date Signature of evaluator Date

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EVALUATION CRITERIA FOR SEMINAR PRESENTATION

Subject:	
	Date:
Name of student:	Time:
Group:	Maximum Marks: 100

S.No.	Criteria		Rating				Remarks	
		1	2	3	4	5	-	
	Content							
	Introduction							
	Organization of Content							
	Presentation of topic							
	Relevant examples							
	Relevant statistical data							
	Group participation							
	Control of group							
	AV Aids:							
	Appropriate to subject							
	Proper use of A/V Aids							
	Self explanatory							
	Attractive							
	Planning and preparation							
	Use of Modern technology							
	Physical facilities:							
	Environment							

Classroom preparation			
Over lay out			
Personal Appearance:			
Voice & clarity			
Mannerisms			
Conclusion			
References			

Remarks & signature of supervisor:

Signature of student:

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M. Sc. Nursing

Evaluation Criteria for Written Assignment

Total Marks = 25

S.N.	Criteria	Marks
1.	Content	10
2.	Organization	05
3.	Resources used	03
4.	Completeness	03
5.	Neatness	02
6.	Bibliography	02
	Total	25

Remarks: -

Total:-

Date & Signature of the Evaluator:

Date & Signature of the student

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M.Sc. NURSING MEDICAL SURGICAL NURSING

EVALUATION CRITERIAN FOR PROJECT

Name of the Student :

Date/ Time:

Name of the Evaluator:

S.N	Criteria	Maximum Score	Marks Obtained
I	Content	25	
П	Organization	10	
Ш	Presentation	15	
IV	Innovations	10	
V	Inclusion of Recent trends	10	
VI	Clinical Application	15	
VII	A V Aids	10	
VIII	Bibliography	05	
	Total	100	

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CLINICAL EVALUATION: - COMPREHENSIVE NURSING CARE

(Maximum Marks – 100 each area)

Name of the students

Year :- II semester M.Sc Nursing

Duration of Experience :

SR.No.	Criteria	1	2	3	4	5
I	Understanding of patient as person					
	A.Approach					
	1.Rapport with patient / family members.					
	2.Collects significant information					

r	
	B.Understanding of patient's health problems.
	1.knowledge about disease condition.
	2.knowledge about investigations.
	3.knowledge about treatment.
	4.knowledge about progress of the patient.
II	Nursing care plan
	A. Assessment of the condition of the patient .
	1. History taking –past & present health and illness
	2.specific observation of the patient
	3.Nursing diagnosis
	B. Development of the short – term & long term nursing care plans.
	1.Indentification of all problems in the patient family.
	2.Priritization 7 implementation of the plans.
	3.Evaluation of the care given & re-planning
	Technical skill
	1.Economical & safe adaptation to the situation & available facilities.
	2.Implements the procedure with skill speed & completeness.
IV	Recording & Reporting
	1.Prompt, Precise , accurate & relevant.
	2.Maintanance of clinical experience file.
V	Health Teaching
	1.Incidental/ Planned teaching with principles of teaching & learning.
	2.Uses visual aids appropriately

VI	Personality			
	1.Professional appearance (Uniform, dignity, tact fullness interpersonal relationship , ,Punctuality etc.			
	2.Sincerely, honesty & sense of responsibility			
	Total Marks			

Comments

Signature of student

Signature of Clinical Supervisor

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CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING - CRITICAL CARE NURSING

Placement : III Semester- T-75 hrs (I-IX unit)

Practical- 150 hrs

IV Semester- T-75 hrs (X- XVII unit)

Practical-810 hrs

Hours of Instruction

Theory: 150 hours: C-3

Practical: 960 hours: C-16

Total: 1100 hours: C-19

Course Description

This course is designed to assist students in developing expertise and in-to develop advanced skills for nursing intervention in caring for critically ill patients. It will enable the student to function as critical care nurses practitioner/ specialist. It will further enable the student to function as educator, manager and researcher in the field of Critical Care Nursing. Objectives

At the end of the course the students will be able to

- 1. Appreciate trends and issues related to Critical Care Nursing
- 2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patient.
- 3. Describe the various drugs used in critical care and nurses responsibility
- 4. Perform physical, psychosocial & spiritual assessment
- 5. Demonstrate advance skills/competence in managing critically ili patients including Advance Cardiac Life Support
- 6. Demonstrate skill in handling various equipments/gadgets used critical care

- 7. Provide comprehensive care to critically ill patients
- 8. Appreciate team work & coordinate activities related to patient care
- 9. Practice infection control measures
- 10. Assess and manage pain
- 11. Identify complications & take appropriate measures
- 12. Discuss the legal and ethical issues in critical care nursing
- 13. Assist patients and their family to cope with emotional distress spiritual, grief and anxiety.
- 14. Assist in various diagnostic, therapeutic and surgical procedures.
- 15. Incorporate evidence based nursing practice and identify the areas of research in the field of critical care nursing
- 16. Identify the sources of stress and manage burnout syndrome among health care providers
- 17. Teach and supervise nurses and allied health workers
- 18. Design a layout of ICU and develop standards for critical care nursing practice.

Unit	Hours	Content			
I	5	INTRODUCTION TO CRITICAL CARE NURSING			
		Historical review- Progressive patient care(PPC)			
		Review of anatomy and physiology of vital organs, fluid and			
		electrolyte balance			
		Concepts of critical care nursing			
		Principles of critical care nursing			
		Scope of critical care nursing			
		Critical care unit set up including equipments supplies, use and			
		care of various type of monitors & ventilators			
		Flow sheets			
II	10	CONCEPT OF HOLISTIC CARE APPLIED TO CRITICAL CARE NURSING PRACTICE			
		Impact of critical care environment on patients:-			
		 Risk factors, Assessment of patients, Critical care psychosis, 			
		prevention & nursing care for patients affected with			
		psycho physiological & psychosocial problems of critical care			
		unit, Caring for the patient's family, family teaching The dynamics of healing in critical care unit:-therapeutic touch,			
		Relaxation, Music therapy, Guided Imagery, acupressure			
		Stress and burnout syndrome among health team members			
	15	REVIEW PHARMACOKINETICS			
		Analgesics/Anti inflammatory agents			
		Antibiotics, antiseptics			
		Drug reaction & toxicity			
		Drugs used in critical care unit (inclusive of ionotropic, life saving			

		drugs)			
		Drugs used in various body systems			
		IV fluids and electrolytes			
		Blood and blood components			
		Principles of drug administration role of nurses and care of drugs			
IV	5	PAIN MANAGEMENT			
		Pain & Sedation in Critically ill patients			
		Theories of pain, Types of pain, Pain assessment, Systemic			
		responses to pain			
		pain management-pharmacological and non-pharmacological			
		measures Placebo effect			
V	5	INFECTION CONTROL IN INTENSIVE CARE UNIT			
		Nosocomial infection in intensive care unit; methyl resistant			
		staphylococcus aureus (MRSA), Disinfection, Sterilization,			
		Standard safety measures, Prophylaxis for staff			
VI	10	GASTROINTESTINAL SYSTEM			
		Causes, Pathophysiology, Clinical types, Clinical features,			
		diagnosis, Prognosis, Management: Medical, Surgical and Nursing			
		management of:-Acute Gastrointestinal Bleeding, Abdominal			
		injury, Hepatic Disorders:-Fulminent hepatic failure, Hepatic			
		encephalopathy, Acute Pancreatitis, Acute intestinal obstruction,			
		perforative peritonitis			
VII	10	RENAL SYSTEM			
		Causes, pathophysiology, Clinicaltypes, Clinicalfeatures, diagnosis, Prognosis,			

[1				
		Management: Medical, Surgical and Nursing			
		management of:-Acute Renal Failure, Chronic Renal Failure, Acute			
		tubular necrosis, Bladder trauma			
		Management Modalities: Hemodialysis, Peritoneal Dialysis,			
		Continuous Ambulatory Peritoneal Dialysis, Continuous arterio venus			
		hemodialysis, Renal Transplant			
VIII	10	NERVOUS SYSTEM			
		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnosis, Prognosis, Management: Medical, Surgical and Nursing			
		management of:-Common Neurological Disorders:-Cerebrovascular			
		disease, Cerebrovas cular accident, Seizure disorders,			
		GuilleinBarre-Syndrome, Myasthenia Gravis, Coma, Persistent			
		vegetative state, Encephalopathy, Head injury, Spinal Cord injury			
		Management Modalities: Assessment of Intracranial pressure,			
		Management of intracranial hypertension, Craniotomy			
		Problems associated with neurological disorders: Thermo			
		regulation, Unconsciousness, Herniation syndrome			
IX	5	ENDOCRINE SYSTEM			
		Causes, Pathophysiology, Clinical types, Clinical features,			
		diagnosis, Prognosis, Management: Medical, Surgical and Nursing			
		Management of :-Hypoglycemia, Diabetic Ketoacidosis, Thyroid			
		crisis, Myxoedema, Adrenal crisis, Syndrome of Inappropriate/			
		hypersecretion of Antidiuretic Hormone (SIADH)			
u					

Х	15	MANAGEMENT OF OTHER EMERGENCY CONDITIONS		
		Mechanism of injury, Thoracic injuries, Abdominal injuries, pelvic		
		fractures, complications of trauma, Head injuries		
		Shock: Shock syndrome, Hypovolemic, Cardiogenic, Anaphylactic,		
		Neurogenic and Septic shock		
		Systemic inflammatory Response: The inflammatory response,		
		Multiple organ dysfunction syndrome		
		Disseminated Intravascular Coagulation		
		Drug Overdose and Poisoning,		
		Acquired Immunodeficiency Syndrome (AIDS)		
		Ophthalmic: Eye injuries, Glaucoma, retinal detachment		
		Ear Nose Throat: Foreign bodies, stridor, bleeding, quincy, acute		
		allergic conditions		
		Psychiatric emergencies;, suicide,		
		crisis intervention		
XI	20	CARDIOVASCULAR EMERGENCIES		
		Principles of Nursing in caring for patient's with Cardiovascular		
		disorders		
		Assessment: Cardiovascular system: Heart sounds, Diagnostic		
		studies:- Cardiac enzymes studies, Electrocardiographic		
		monitoring, Holter monitoring, Stress test. Echo cardiography,		
		Coronary angiography, Nuclear medicine studies		
		Causes, Pathophysiology, Clinical types, Clinical features,		
		Diagnostic Prognosis, Management : Medical, Surgical & Nursing		

		management of:-Hypertensive crisis, Coronary artery disease,		
		Acute Myocardial infarction, Cardiomyopathy, Deep vein		
		thrombosis, Valvular diseases, Heart block, Cardiac arrhythmias &		
		conduction disturbances, Aneurysms, Endocarditis, Heart failure		
		Cardio pulmonary resuscitation BCLS/ ACLS		
		Management Modalities: Thrombolytic therapy, Pacemaker –		
		temporary & permanent, Percutaneous transluminal coronary		
		angioplasty, Cardioversion, Intra Aortic Balloon pump monitoring,		
		Defibrillations, Cardiac surgeries, Coronary Artery Bypass Grafts		
		(CABG/MICAS), Valvular surgeries, HeartTransplantation,		
		Autologous blood transfusion, Radiofrequency Catheter Ablation		
XII	15	RESPIRATORY SYSTEM		
		Acid-base balance & imbalance		
		Assessment : History & Physical Examination		
		Diagnostic Tests:Pulse Oximetry, End –Tidal Carbon Dioxide		
		Monitoring, Arterial blood gas studies, chest radiography,		
		pulmonary Angiography, Bronchoscopy, Pulmonary function Test,		
		Ventilation perfusion scan, Lung ventilation scan		
		Causes Pathophysiology, Clinical types, Clinical features,		
		Prognosis, Management: Medical, Surgical and Nursing		
		management of Common pulmonary disorders:-Pneumonia, Status		
		asthmaticus, interstitial drug disease, Pleural effusion, Chronic		
		obstructive pulmonary disease, Pulmonary tuber culosis,		
		Pulmonary edema, Atelectasis, Pulmonary embolism, Acute		

		respiratory failure, Acute respiratory distress syndrome (ARDS),			
		Chest Trauma Haemothorax, Pneumothorax			
		Management Modalities:-Airway Management			
		Ventilatory Management:-Invasive, non- invasive, long term			
		mechanical ventilations			
		Bronchial Hygiene:-Nebulization, deep breathing exercise, chest			
		physiotherapy, postural drainage, Inter Costal Drainage, Thoracic			
		surgeries			
XIII	6	BURNS			
		Clinical types, classification, pathophysiology, clinical features,			
		assessment, diagnosis, prognosis, Management: Medical, Surgical			
		& Nursing management of burns			
		Fluid and electrolyte therapy – calculation of fluids and its			
		administration			
		Pain management			
		Wound care			
		Infection control			
		Prevention and management of burn complications			
		Grafts and flaps			
		Reconstructive surgery			
		Rehabilitation			
XIV	5	OBSTETRICAL EMERGENCIES			
		Causes, Pathophysiology, Clinical types, clinical features,			
		diagnostic Prognosis, Management: Medical, Surgical and Nursing			
		diagnostic Prognosis, Management: Medical, Surgical and Nursing			

		management of :Antepartum haemorrhage, Preeclampsia,			
		eclampsia, Obstructed labour and ruptured uterus, Post partum			
		haemorrhage, Peurperal sepsis, Obstetrical shock			
XV	10	NEONATAL PAEDIATRIC EMERGENCIES			
		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnostic, Prognosis, Management: medical, surgical and Nursing			
		management of			
		Neonatal emergencies			
		Asphyxia Neonatarum, Pathological Jaundice in Neonates,			
		Neonatal seizures, Metabolic disorders, Intra cranial Hemorrhage,			
		NeonatalSepsis, RDS/HMD (Respiratory Distress			
		Syndrome/Hyaline Membrane Disease), Congenital disorders:-			
		 Cyanotic heart disease, tracheo oesophageal fistula, congenital 			
		hypertropic pyloric stenosis, imperforate anus			
		Pediatric emergencies			
		Dehydration, Acute broncho pneumonia, Acute respiratory distress			
		syndrome, Poisoning, Foreign bodies, seizures, traumas, Status			
		asthmaticus			

2	LEGAL AND ETHICAL ISSUES IN CRITICAL CARE-NURSE'S ROLE		
	Brain death		
	Organ donation & Counselling		
	Do Not Resuscitate(DNR)		
	Euthanasia		
	Living will		
	Quality assurance		
	Standards, Protocols, Policies, Procedures		
	Infection control; Standard safety measures		
	Nursing audit		
	Staffing		
	Design of ICU/CCU		
	2		

Practical

Total = 960 Hours

1 Week = 30 Hours

SR.NO.	Dept.Unit	No.of Weeks	Total Hours
1	Burns ICU	2	60 Hours
2	Medical ICU	8	240 Hours
3	Surgical ICU	12	360 Hours
4	CCU	2	60 Hours
5	Emergency Department	3	90 Hours
6	Dialysis Unit	1	30 Hours
7	Transplant Room	2	60 Hours
8	Paediatric/ NICU	2	60 Hours

Total	32 Weeks	960 Hours

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Journals :- 1.Critical care nursing : AACN

2.Critical Care Nursing Clinic

ESSENTIAL CRITICAL CARE NURSING SKILLS

I. Procedures Observed

1.CT Scan

2.MRI

3.EEG

- 4. Hemodialysis
- 5. Endoscopic Retrograde cholangio Pancreaticogram(ERCP)
- 6. Heart/ Neuro/GI./ Renal Surgeries

II. Procedures Assisted

- 1.Advanced life support system
- 2.Basic cardiac life support
- 3. Arterial line/arterial pressure monitoring/blood taking
- 4. Arterial blood gas
- 5. ECG recording
- 6. Blood transfusion
- 7. IV cannulation therapy

- 8. Arterial Catheterization
- 9. Chest tube insertion
- 10. Endotracheal intubations
- 11. Ventilation
- 12.Insertion of central line/cvp line
- 13. Connecting lines for dialysis

III. Procedure Performed

- 1. Airway management
 - a. Application of oropharyngeal airway
 - b. CPAP (Continuous Positive Airway pressure)
 - c. Care of tracheostomy
 - d. Endotracheal extubation
- 2. Cardiopulmonary resuscitation, Basic cardiac life support, ECG

3. Monitoring of critically ill patients – clinically with monitors, capillary refill time (CRT) assessment of jaundice, ECG

- 4. Gastric lavage
- 5. Assessment of critically ill patients
Identification & assessment of risk factors, Glasgow coma scale and dolls eye movement, arterial pressure monitoring, cardiac output/pulmonary artery pressure monitoring, and detection of

life threatening abnormalities

6. Admission & discharge of critically ill patients

7. Nutritional needs – gastrostomy feeds, pharyngeal feeds, jejunostomy feeds, TPN, formula preparation & patient education

8. Assessment of patient for alteration in blood sugar levels monitoring blood sugar levels periodically & administering insulin periodically

9. Administration of drugs: IM, IV injection, IV cannulation & fixation of infusion pump, calculation of dosages, use of insulin syringes tuberculin, monitoring fluid therapy, blood administration.

10. Setting up dialysis machine and starting, monitoring and closing

dialysis

11. Procedures for prevention of infections:

Hand washing, disinfection & sterilization surveillance and fumigation universal precautions.

12. Collection of specimen.

13. Setting, use & maintenance of basic equipment, ventilator,O2 analyzer, monitoring equipment, transducers, defibrillator, infusion & syringe pumps, centrifuge machine.

Evaluation Criteria:

Theory:

Unit test I	25 marks
Prefinal	75marks
Seminar (1)	100 marks each

Total marks	300marks (send university out of 25)
Written assignment	25 marks
Journal Presentation(1)	25 marks
Topic Presentation(1)	50 marks

Practical:

Unit test I 25 m	arks
------------------	------

- Prefinal 100 marks
- Nursing procedure 50 marks

Clinical assignments

Total	marks	825marks (send university out of 100)
•	Project work(1)	100x1=100
•	Clinical evaluation (2)	100x2=200
•	Care plan (3)	50x3=150
•	Case presentation (2)	50x2=100
•	Case study (2)	50x2=100

University Examination:

Theory: 75

Practical: 100

M Sc Nursing Evaluation criteria for Case study

Name of the student: Topic: Date of submission:

Sr	Criteria	Marks allotted	Marks obtained
No			
1	Assessment	05	
2	Theoretical knowledge about disease	05	
3	Comparative study of patient's disease & book picture	10	
4	Management: Medical/surgical	05	
5	Nursing process	15	
6	Drug study	03	
7	Summary & conclusion including research evidence	05	
8	Bibliography	02	
	Total	50	

Remark

Signature of Student Date:

Signature of Evaluator Date:

M Sc Nursing Evaluation criteria for Care Plan

Name of the student: Topic: Date of submission:

Field of placement:

Sr	Criteria	Marks allotted	Marks obtained
No			
1	Assessment	12	
2	Nursing diagnosis	3	
3	Goal	2	
4	Outcome criteria/Objective	2	
5	Nursing intervention	15	
6	rationale	03	
7	Evaluation	03	
8	Nurses notes	10	
	Total	50	

Remark

Signature of Student Date:

Signature of Evaluator Date:

M Sc Nursing Evaluation criteria for Case presentation

Name of the student: Name of the patient: Diagnosis: Ward: Date of presentation:

Sr	Criteria	Marks allotted	Marks obtained
No			
1	Subjective & objective data	08	
2	Problem & need identified & nursing care plan	15	
3	Effectiveness of presentation	05	
4	Corelation with patient & book, research evidence	10	
5	Use of A. V. aids	05	
6	Physical arrangement	02	
7	Group participation	03	
8	Bibliography	02	
	Total	50	

Remark

Date:

Date:

Dr.D.Y.PATI COLLEGE OF NURSING BHOSARI , PUNE-18.

EVALUATION CRITERIA FOR SEMINAR PRESENTATION

Subject:	
	Date:
Name of student:	Time:
Group:	Maximum Marks: 100

S.No.	Criteria		Rating				Remarks
		1	2	3	4	5	-
1.	Content						
	Introduction						
2.	Organization of Content						
3.	Presentation of topic						
4.	Relevant examples						
5.	Relevant statistical data						
6.	Group participation						
7.	Control of group						
8.	AV Aids:						
	Appropriate to subject						
9.	Proper use of A/V Aids						

10.	Self explanatory			
11.	Attractive			
12.	Planning and preparation			
13.	Use of Modern technology			
14.	Physical facilities:			
	Environment			
15.	Classroom preparation			
16.	Over lay out			
17.	Personal Appearance:			
	Voice & clarity			
18.	Mannerisms			
19.	Conclusion			
20.	References			

Remarks & Signature of Supervisor:

Signature of Student:

M. Sc. Nursing

Evaluation Criteria for Written Assignment

Total Marks = 25

S.N.	Criteria	Marks
1.	Content	10
2.	Organization	05
3.	Resources used	03
4.	Completeness	03
5.	Neatness	02
6.	Bibliography	02
	Total	25

Remarks: -

Total:-

Date & Signature of the Evaluator:

Date & Signature of the Student

CLINICAL EVALUATION: - COMPREHENSIVE NURSING CARE

(Maximum Marks – 100 each area)

Name of the Students

Year :- II semester M.Sc Nursing

Duration of Experience :

SR.No.	Criteria	1	2	3	4	5
I	Understanding of patient as person					
	A.Approach					
	1.Rapport with patient / family members.					
	2.Collects significant information					
	B.Understanding of patient's health problems.					
	1.knowledge about disease condition.					
	2.knowledge about investigations.					
	3.knowledge about treatment.					
	4.knowledge about progress of the patient.					
	Nursing care plan					
	A.Assessment of the condition of the patient .					
	1. History taking –past & present health and illness					
	2.specific observation of the patient					
	3.Nursing diagnosis					
	B.Development of the short – term & long term nursing care plans.					

	1.Indentification of all problems in the patient family.			
	2.Priritization 7 implementation of the plans.			
	3.Evaluation of the care given & re-planning			
	Technical skill			
	1. Economical & safe adaptation to the situation & available facilities.			
	2.Implements the procedure with skill speed & completeness.			
IV	Recording & Reporting			
	1.Prompt, Precise , accurate & relevant.			
	2.Maintanance of clinical experience file.			
V	Health Teaching			
	1.Incidental/ Planned teaching with principles of teaching & learning.			
	2.Uses visual aids appropriately			
VI	Personality			
	1.Professional appearance (Uniform, dignity, tact fullness			
	interpersonal relationship , ,Punctuality etc.			
	2.Sincerely, honesty & sense of responsibility			
	Total Marks			

Comments

Signature of Student

Signature of Clinical Supervisor

CLINICAL SPECIALITY-II

MEDICAL SURGICAL NURSING- ONCOLOGY NURSING

Placement : III Semester- T-75 hrs (I-IX unit)

Practical- 150 hrs

IV Semester- T-75 hrs (X- XV unit)

Practical-810 hrs

Hours of Instruction

Theory: 150 hours: C-3

Practical: 960 hours: C-16

Total: 1100 hours: C-19

Course Description

This course is designed to assist students in developing expertise and in- depth understanding in the field of oncology Nursing. It will help students to develop advanced skills for nursing intervention in various oncological conditions. It will enable the student to function as oncology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of oncology nursing

Objectives

1. Explain the prevention, screening and early detection of cancer

2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems

3. Describe the psychosocial effects of cancer on patients and families

4. Demonstrate skill in administering/assisting in various treatment modalities used for patients with cancer

5. Apply nursing process in providing holistic care to patients with cancer

- 6. Apply specific concepts of pain management
- 7. Appreciate the care of death and dying patients and value of bereavement support

8. Describe the philosophy, concept and various dimensions of palliative care

9. Appreciate the role of alternative systems of medicine in care of cancer patients

10. Appreciate the legal & ethical issues relevant to oncology nursing

11. Recognize and manage Oncological emergencies

12. Counsel the patients with cancer and their families

13. Incorporate evidence based nursing practice and identify the areas of research in the field of oncology nursing

14. Recognize the role of oncology nurse practitioner as a member of oncology team

15. Collaborate with other agencies and utilize resources in caring for cancer patients.

16. Teach and supervise nurses and allied health workers.

17 Design a layout and develop standards for management of oncology units/hospitals and nursing care.

Unit	Hours	Content
I	4	INTRODUCTION
		Epidemiology-Incidence, Prevalence – Global, National, State and
		Local
		Disease burden, concept of cancer, risk factors

		Historical perspectives	
		Trends and issues	
		Principles of cancer management	
		Roles and responsibilities of oncology nurse	
II	5	THE NATURE OF CANCER	
		Normal cell biology	
		The Immune system	
		Pathological and pathophysiological changes in tissues	
		• Biology of the cancer cell	
		Clone formation Transformation	
		• Tumor stem lines	
		• Structure of a solid tumor	
		Products produced by the tumor	
		 Systemic effects of tumor growth 	
	4	ETIOLOGY OF CANCER	
		Carcinogenesis,	
		Theories of cancer causation	
		Risk factors	
		Carcinogens – genetic factors, chemical carcinogens, radiation,	
		viruses, Immune system failure, rapid tissue proliferation	
		Hormone changes, diet, emotional factors.	
IV	10	DIAGNOSTIC EVALUATION	
		Health assessment: History taking, physical examination,	

	Staging and grading of tumors,
	TNM Classification
	Common diagnostic tests
	 Blood investigation: Haemetological, Bio-chemical, Tumor
	markers, Hormonal assay
	 Cytology:Fine needle aspiration cytology(FNAC)
	Histopathology: Biopsy
	 Radiological assessment: MRI, Ultrasound, Computed
	tomography, Mammography, Positron emission
	tomography(PET), Radio nuclide imaging, Functional
	metabolism imaging
	 Endoscopies Nurses responsibilities in diagnostic measures
10	LEVELS OF PREVENTION AND CARE
	Primary prevention – Guidelines for cancer detection, general
	measures, Warning signs of cancer,
	Self examination-Oral, Breast, Testicular
	Secondary prevention – early diagnosis.
	Screening
	Tertiary prevention – disability limitation,
	Rehabilitation : Mobility , Speech, Bowel and bladder, Ostomies etc
	Patient and family education,
	Discharge instruction, follow-up care and use of community
	resources.

	Surgery
	Principles of surgical oncology
	• Current surgical strategy,
	Determining surgical risk
	Special surgical techniques
	Pre-intra-postoperative nursing care
	Acute and chronic surgical complications
	 Future directions and advances
	Chemotherapy
	 Principles and classification of chemotherapeutics
	 Pharmacology of antineoplastic drugs- Mechanism of action,
	Absorption, protein binding, Bio-transformation, excretion,
	common side effects, drug toxicity
	Calculating drug doses,
	• Therapeutic response to chemotherapy-Tumor variables, drug
	resistance,
	Safety precautions
	Radiation Therapy
	Physics of radiotherapy
	• Types of ionizing rays
	Radiation equipments:Linear accelerator, cobalt,
	Implants, Isotopes,
	• Types of therapies: Oral, Brachy therapy, tele therapy, selectron
	therapy

Effects of radiation on the body tissue,
 Radiation biology – cell damage hypoxic cells, alteration of
tumor kinetics.
• Approaches to radiation therapy –
External radiotherapy
 Internal radiotherapy – unsealed,
Sealed sources.
• Effectiveness of radiotherapy-Radiosensitivity, treatment effects
 Complications of radiotherapy
Radiation safety: Standards of Bhaba Atomic Research
Centre(BARC)
Bone Marrow Transplantation /Stem Cell Transplantation
• Types, indications, transplantation procedure, complications
and nursing managment
• Types and donor sources
 Preparation and care of donor and recipient
Bone marrow bank
• Legal and ethical issues
Immunotherapy (Biotherapy)
Concepts and principles
Classification of agents
Treatment and applications
Gene Therapy
Current Concepts and practices

	Alternative and Complementary Therapies			
	Current practices			
10	PAIN MANAGEMENT:- THEORIES, TYPES AND			
	Nature of cancer pain			
	 Pathophysiology of pain 			
	• Pain threshold			
	Assessment of pain			
	Principles of cancer pain control			
	 Pharmacological: Opioid and non-opioid analgesic therapy 			
	 Patient controlled analgesia(PCA) 			
	Other invasive techniques of pain control			
	Recent developments in Cancer pain			
	Non- Pharmacological pain relief technique-			
	 Complementary therapies(Music, massage, meditation, 			
	relaxation techniques, biofeed back etc)			
	 Psychological intervention in pain control 			
	Alternative system of medicines			
	Role of nurse			
5	PALLIATIVE CARE			
	Definition and scope, philosophy			
	Concept and elements of palliative care			
	Global and Indian perspective of palliative care			
	Quality of life issues			
	Communication skill			

		Nursing perspective of palliative care and its elements
		Home care
		Hospice care
		Role of nurse in palliative care
IX	2	INFECTION CONTROL:
		 Process of infection, risk of hospitalization, nosocomial
		infections- prevention and control of infection in acute, long
		term care facility and community based care
		 Standard safety measures
x	30	NURSING CARE OF PATIENTS WITH SPECIFIC MALIGNANT
		DISORDERS
		Malignancies of G.I. system-oral, oesophagus, stomach, rectal,
		liver & pancreas, care of ostomies/stoma
		Respiratory malignancies
		Genito urinary system malignancies- prostate Bladder, renal
		testicular malignancies,
		Gynecological malignancies-cervix, uterus, ovary
		Hematological malignancies-Lymphomas, Leukemias.
		Malignancies of musculoskeletal system
		Endocrine malignancies
		Skin
		Head and Neck -brain tumors
		Other malignancies – Breast cancer, AIDS related Malignancies

		(Kaposi's Sarcoma)
XI	10	PAEDIATRIC MALIGNANCIES
		Leukemia, Lymphoma, Neuro- blastoma
		Wilm's tumor, Soft tissue sarcoma, Retinoblastoma
		Nursing Management of children with Paediatric Malignancies
XII	15	NURSING MANAGEMENT OF PHYSIOLOGICAL CONDITIONS AND SYMPTOMS
		OF CANCER PATIENT
		Nutrition: - effects of cancer on nutritional Status and its consequences:-Anemia,Cachexia,Xerostomia,mucositis,
		Dysphagia , nausea and vomiting, constipation, diarrhoea,
		electrolyte imbalances, taste alterations
		Impaired mobility: Decubitus ulcer, pathologic fractures,
		thrombophlebitis, pulmonary embolism, contractures, footdrop
		Other symptoms
		Dyspepsia & hiccup, dyspnoea
		intestinal obstruction,
		Fungating wounds
		Anxiety & depression, insomnia
		Lymph edema
		Impact of cancer on sexuality:
		Effects of radiotherapy/ chemotherapy/surgery on sexuality of the
		cancer patient
		Nursing management of cancer patients experiencing sexual

	dysfunction
	Sexual counseling
10	CANCER EMERGENCIES
	Disseminated intravascular coagulation(DIC),
	Malignant pleural effusion
	Neoplastic cardiac tamponade and septic shock spinal cord
	compression
	Superior venacava syndrome
	Metabolic emergency: hyper and hypo calcemia
	Surgical emergency
	Urological emergency
	Hemorrhage
	Organ obstruction
	Brain metastasis
	Nurses role in managing oncologic emergencies
	10

XIV	8	PSYCHO-SOCIAL ASPECTS OF NURSING CARE	
		Psychological responses of patients with cancer	
		Psychosocial assessment –	
		Crisis intervention, coping mechanisms	
		Stress management, spiritual/cultural care and needs	
		Counseling: individual and family	
		Maximizing quality of life of patient and family	
		Ethical, moral and legal issues-	
		End of life care	
		Grief and grieving process	
		Bereavement support	
		Care of Nurses who care for the dying.	
XV	2	LAYOUT AND DESIGN OF AN ONCOLOGY INSTITUTION/ WARD, OPD,	
		CHEMOTHERAPY UNIT, BONE MARROW TRANSPLANTATION UNIT, PAIN	
		CLINIC ETC	
		Practice Standards of oncology nursing	
		Policies and Procedures	
		Establishing Standing orders and Protocols	
		Quality Assurance Programme in oncology units	
		Nursing audit	

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- 24. Whedon- Blood and Marrow Stem Cell Transplantantion (2nd ed)
- 25. Wilkes- Cancer & HIV Clinical Nutrition Pocket Guide (2nd ed.)
- 26. Yarbro/Frogge/Goodman-Cancer Nursing : Principles and Practice(6th ed.)
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Jourals: 1 Oncology nursing news letter.

Evaluation Criteria:

Theory:

Total marks	300marks (send university out of 25)
Written assignment	25 marks
Journal Presentation(1)	25 marks
Topic Presentation(1)	50 marks
Seminar (1)	100 marks each
Prefinal	75 marks
Unit test I	25 marks

Practical:

Unit test l	25 marks
Prefinal	100 marks
Nursing procedure	50 marks
Clinical assignments	
• Case study (2)	50x2=100
• Case presentation (2)	50x2=100
• Care plan (3)	50x3=150
• Clinical evaluation (2)	100x2=200
 Project work(1) 	100x1=100
Total Marks	825 Marks (send university out of 100)

University Examination:

Theory: 75

Practical: 100

M.Sc Nursing

Evaluation criteria for Case study

Name of the student: Topic: Date of submission:

Sr. No	Criteria	Marks allotted	Marks obtained
1	Assessment	05	
2	Theoretical knowledge about disease	05	
3	Comparative study of patient's disease & book picture	10	
4	Management: Medical/surgical	05	
5	Nursing process	15	
6	Drug study	03	
7	Summary & conclusion including research evidence	05	
8	Bibliography	02	
	Total	50	

Remark

Signature of Student Date:

Signature of Evaluator Date:

M Sc Nursing Evaluation criteria for Care Plan

Name of the student: Topic: Date of submission:

Field of placement:

Sr	Criteria	Marks allotted	Marks obtained
No			
1	Assessment	12	
2	Nursing diagnosis	3	
3	Goal	2	
4	Outcome criteria/Objective	2	
5	Nursing intervention	15	
6	rationale	03	
7	Evaluation	03	
8	Nurses notes	10	
	Total	50	

Remark

Signature of student Date:

Signature of evaluator Date:

M Sc Nursing Evaluation criteria for Case presentation

Name of the student: Name of the patient: Diagnosis: Ward: Date of presentation:

Sr. No	Criteria	Marks allotted	Marks obtained
1	Subjective & objective data	08	
2	Problem & need identified & nursing care plan	15	
3	Effectiveness of presentation	05	
4	Corelation with patient & book, research evidence	10	
5	Use of A. V. aids	05	
6	Physical arrangement	02	
7	Group participation	03	
8	Bibliography	02	
	Total	50	

Remark:

Signature of Student Date:

Signature of Evaluator Date:

EVALUATION CRITERIA FOR SEMINAR PRESENTATION

Subject:	
	Date:
Name of student:	Time:
Group:	Maximum Marks: 100

S.No.	Criteria	Rating				Remarks	
		1	2	3	4	5	
1.	Content						
	Introduction						
2.	Organization of Content						
3.	Presentation of topic						
4.	Relevant examples						
5.	Relevant statistical data						
6.	Group participation						
7.	Control of group						
8.	AV Aids:						
	Appropriate to subject						
9.	Proper use of A/V Aids						

10.	Self explanatory			
11.	Attractive			
12.	Planning and preparation			
13.	Use of Modern technology			
14.	Physical facilities:			
	Environment			
15.	Classroom preparation			
16.	Over lay out			
17.	Personal Appearance:			
	Voice & clarity			
18.	Mannerisms			
19.	Conclusion			
20.	References			

Remarks & Signature of Supervisor:

Signature of Student:

M. Sc. Nursing

Evaluation Criteria for Written Assignment

Total Marks = 25

S.N.	Criteria	Marks
1.	Content	10
2.	Organization	05
3.	Resources used	03
4.	Completeness	03
5.	Neatness	02
6.	Bibliography	02
	Total	25

Remarks: -

Total:-

Date & Signature of the Evaluator: Date & Signature of the Student

CLINICAL EVALUATION: - COMPREHENSIVE NURSING CARE

(Maximum Marks – 100 each area)

Name of the students

Year :- II semester M.Sc Nursing

Duration of Experience :

SR.No.	Criteria	1	2	3	4	5
I	Understanding of patient as person					
	A.Approach					
	1.Rapport with patient / family members.					
	2.Collects significant information					
	B.Understanding of patient's health problems.					
	1.knowledge about disease condition.					
	2.knowledge about investigations.					
	3.knowledge about treatment.					
	4.knowledge about progress of the patient.					
II	Nursing care plan					
	A.Assessment of the condition of the patient .					
	1. History taking –past & present health and illness					
	2.specific observation of the patient					
	3.Nursing diagnosis					

	Total Marks			
	2.Sincerely, honesty & sense of responsibility			
	interpersonal relationship , ,Punctuality etc.			
	1.Professional appearance (Uniform, dignity, tact fullness			
VI	Personality			
	2.Uses visual aids appropriately			
	1.Incidental/ Planned teaching with principles of teaching & learning.			
V	Health Teaching			
	2.Maintanance of clinical experience file.			
	1.Prompt, Precise , accurate & relevant.			
IV	Recording & Reporting			
	2.Implements the procedure with skill speed & completeness.			
	1. Economical & safe adaptation to the situation & available facilities.			
	Technical skill			
	3.Evaluation of the care given & re-planning			
	2.Priritization 7 implementation of the plans.			
	1.Indentification of all problems in the patient family.			
	B.Development of the short – term & long term nursing care plans.			

Comments

Signature of Student

Signature of Clinical Supervisor

Clinical Experience

Sr.No.	Dept./ Unit	No. of Week	Total Hours
1	Medical Oncology ward	6	180 Hours
2	Surgical Oncology ward	6	180 Hours
3	Bone marrow transplantation Unit	2	60 Hours
4	Operation Theatre	2	60 Hours
5	Radiotherapy Unit	2	60 Hours
6	Chemotherapy Unit	4	120 Hours
7	Out patient department and pain clinic	2	60 Hours
8	Pediatric Oncology ward	2	60 Hours
9	Palliative Care ward	2	60 Hours
10	Community oncology	2	60 Hours
11	Hospice	1	30 Hours

12	Other field visits	1	30 Hours
13	Total	32 Weeks	960 Hours

Procedures Observed

- 1. CT Scan
- 2. MRI
- 3. PET Scan(Positron Emission Tomography)
- 4. Ultra sound
- 5. Mammography
- 6. Radio Nuclide Imaging
- 7. Bone Scan
- 8. Thyroid Function Test
- 9. Functional and Metabolic Imaging
- 10. Transportation of radioactive materials
- 11. Others

Procedures Assisted

- 1. IV cannulation Open method
- 2. Chemotherapy
- 3. Radiotherapy Brachytherapy Low Density Radiation, High Density Radiation.
- 4. Interstitial implantation
- 5. Bio-therapy and Gene therapy
- 6. Teletherapy Treatment planning
- 7. Bone marrow aspiration and biopsy
- 8. Biopsy tissue
- 9. FNAC Fine Needle Aspiration Cytology and biopsy
- 10. Advance Cardiac life support
- 11. Endotracheal intubation

- 12. Defibrillation Ventilation
- 13. Tracheostomy
- 14. Thoracentesis
- 15. Paracentesis
- 16. Lumbar Puncture
- 17. Arterial Blood Gas
- 18. Nerve Block
- 19. Chest tube insertion
- 20. Intercostal drainage
- 21. CVP monitoring

Procedure Performed

- 1. Screening for cancer
- 2. Assessment of pain
- 3. Assessment of Nutritionsl status
- 4. Care of Tracheostomy
- 5. Endotracheal intubation
- 6. Gastric gavage
- 7. Pap smear
- 8. IV cannulation
- 9. Care of surgical flaps
- 10. Care of ostomies
- 11. Blood transfusion and component therapy
- 12. Counseling
- 13. Practice standard safety measures
- 14. Care of dead body and mortuary formalities

Other procedures

(As per the institutional protocol):

1. Alternative therapies

CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING- NEUROSCIENCES NURSING

Placement : III Semester- T-75 hrs (I-IX unit)

Practical- 150 hrs

IV Semester- T-75 hrs (X- XIX unit)

Practical-810 hrs

Hours of Instruction Theory: 150 hours: C-3 Practical: 960 hours: C-16

Total: 1100 hours: C-19

Course Description

This course is designed to assist students in developing expertise and in-depth knowledge in the field of neurology and neurosurgical Nursing. It will help students to develop advanced skills for nursing intervention in caring for patients with neurological and neurosurgical disorders. It will enable the student to function as neuroscience nurse practitioner/ specialist. It will further enable the student to function as educator, manager and researcher in the field of neurology and neurosurgical Nursing.
Objectives

At the end of the course the students will be able to

 Appreciate trends and issues related to neurology and neurosurgical Nursing.

2. Review the anatomy and physiology of nervous system

3. Describe the epidemiology, etiology, pathophysiology and diagnostic

assessment of patients with neurological and neurosurgical disorders

4. Perform neurological assessment and assist in diagnostic procedures

5. Describe the concepts and principles of neuroscience nursing

6. Describe the various drugs used in neurosciences and nurses

responsibility

7. Assist in various therapeutic and surgical procedures in neuroscience

nursing

8. Demonstrate advance skills/competence in managing patients with neurological and neurosurgical disorder following nursing process approach

9. identity psychosocial problems of patients with disabilities and assist patients and their family to cope with emotional distress, spiritual,

grief and anxiety

10. Participate in preventive, promotive and rehabilitative services for neurological and neurosurgical patients.

11. Explain the legal and ethical issues related to brain death, organ transplantation and practice of neuroscience nursing

12. Incorporate evidence based nursing practice and identify the areas of research in the field of neuroscience nursing

13. Organise and conduct inservice education program for nursing personnel.

14. Develop standards of care for quality assurance in neuroscience

nursing practice

- 15. Identify the sources of stress and manage burnout syndrome among health care providers
- 16. Teach and supervise nurses and allied health workers.
- 17. Plan and develop physical layout of neuro intensive care unit

Course Content

Unit	Hours	Content		
I	5	INTRODUCTION		
		Introduction to neuroscience(neurological and neurosurgical)		
		nursing		
		 History-Development in neurological and neurosurgical 		
		nursing, Service & education		
		 Emerging trends and issues in neurology and neuro surgery 		
		and its implication to nursing.		
		 neurological and neurosurgical problems – 		
		 Concepts, principles and nursing perspectives 		
		• Ethical and legal issues		
		 Evidence based nursing and its application in neurological and 		
		neurosurgical nursing		

II	5	EPIDEMIOLOGY	
		Major health problems-	
		Risk factors associated with neurological conditions- Hereditary,	
		Psychosocial factors, smoking, alcoholism, dietary habits, cultural	
		and ethnic considerations, occupational and infections.	
		Health promotion, disease prevention, life style modification and	
		its implications to nursing	
		Alternate system of medicine/complementary therapies	
	10	REVIEW OF ANATOMY AND PHYSIOLOGY	
		Embryology	
		Structure and functions of Nervous system- CNS, ANS, cereberal	
		circulation, cranial and spinal nerves and reflexes, motor and	
		sensory functions	
		Sensory organs	
IV	15	ASSESSMENT AND DIAGNOSTIC MEASURES	
		Assessment	
		• History taking	
		 Physical assessment, psychosocial assessment 	
		Neurological assessments, Glasgow coma scale interpretation &	
		its relevance to nursing.	
		Common assessment abnormalities	
		Diagnostic measures	
		Cerebro spinal fluid analysis	
		 Radiological studies-Skull and spine X-ray Cerebral 	

	1	
		Angiography, CT Scan, Single Photon Emission Computer
		Tomography(SPECT), MRI (Magnetic Resonance Imaging),
		MRA, MRS, Functional MRI, Myelography, PET (Positron
		Emission Test), Interventional radiology.
		• Electorgraphic studies- Electro encephalo graphy, MEG, EMG,
		video EEG,
		 Nerve conduction studies-Evoked potentials, visual evoked
		potentials, brainstem auditory evoked potentials,
		somatosensory evoked potentials
		Ultrasound studies-Carotid duplex, transcranial Doppler
		sonography,
		Immunological studies
		• Biopsies – muscle, nerve and Brain.
		Interpretation of diagnostic measures
		Nurse's role in diagnostic tests
V	5	MEETING NUTRITIONAL NEEDS OF NEUROLOGICAL PATIENTS
		Basic nutritional requirements
		Metabolic changes following injury and starvation
		Nutritional assessment
		Common neurological problems that interfere with nutrition and
		strategies for meeting their nutritional needs
		Special metabolic and electrolyte imbalances
		Chronic fatigue syndrome
VI	5	DRUGS USED IN NEUROLOGICAL AND NEUROSURGICAL DISORDERS

		Classification	
		Indications, contraindications, actions and effects, toxic effects	
		Role of nurse	
VII	10	TRAUMATIC CONDITIONS.	
		Causes, pathophysiology, Clinical types, Clinical features,	
		diagnosis, Prognosis, Management: medical, surgical and Nursing	
		management of	
		Cranio cerebral injuries.	
		Spinal & Spinal cord injuries.	
		Peripheral nerve injuries.	
		Unconsciousness	
VIII	10	CEREBROVASCULAR DISORDERS:	
		Causes, pathophysiology, Clinical types, Clinical features,	
		diagnosis, Prognosis, Management: medical, surgical and Nursing	
		management of	
		Stroke & arterio venous thrombosis.Haemorrhagic embolus.	
		Cerebro vascular accidents.	
		Intracranial aneurysm.	
		Subarchnoid Haemorrhage.	
		• Arterio venous fistula.	
		• Brain tumours	
		Diseases of cranial nerves; Trigiminal neuralgia, Facial palsy,	
		Bulbar palsy.	

IX	10	DEGENERATING AND DEMYELINATING DISORDERS			
		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnostic, Prognosis, Management: medical, surgical and			
		Nursing management of			
		• Motor neuron diseases.			
		 Movement disorders- Tics, dystonia, chorea, wilson's disease, 			
		essential tremors			
		• Dementia.			
		• Parkinson's disease.			
		Multiple sclerosis.			
		• Alzemier's			
Х	10	NEURO INFECTIONS			
		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnostic, Prognosis, Management: medical, surgical and			
		Nursing management of Neuro infections			
		Meningitis-types			
		• Encephalitis.			
		• Poliomyelitis.			
		• Parasitic infections.			
		Bacterial infections			
		• Neurosyphilis.			
		• HIV & AIDS.			
		• Brain abscess.			
XI	10	PAROXYSMAL DISORDERS.			

		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnosis, Prognosis, Management: medical, surgical and Nursing			
		management of			
		• Epilepsy and seizures.			
		• Status epilepticus.			
		• Syncope.			
		• Menier's syndrome.			
		• Cephalgia.			
XII	10	DEVELOPMENTAL DISORDERS.			
		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnostic, Prognosis, Management: medical, surgical and			
		Nursing management of			
		• Hydrocephalus.			
		Craniosynostosis.			
		 spina bifida- Meningocele, Meningomyelocele encephalocele 			
		• syringomyelia.			
		Cerebro vascular system anomalies.			
		Cerebral palsies.			
		• Down's syndrome			
XIII	10	NEURO MUSCULAR DISORDERS.			
		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnostic, Prognosis, Management: medical, surgical and			
		Nursing management of			
		• Polyneuritis – G B Syndrome.			
	l	1			

		Muscular dystrophy.			
		• Myasthenia gravis.			
		• Trigeminal neuralgia.			
		• Bell's palsy.			
		• Menier's disease			
		Carpal tunnel syndrome			
		Peripheral neuropathies			
XIV	5	NEOPLASMS – SURGICAL CONDITIONS.			
		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnostic, Prognosis, Management: medical, surgical and			
		Nursing management of			
		 Space occupying lesions -types 			
		• Common tumors of CNS,			
XV	5	OTHER DISORDERS			
		Causes, pathophysiology, Clinical types, Clinical features,			
		diagnostic, Prognosis, Management: medical, surgical and			
		Nursing management of			
		Metabolic disorders-diabetes, insipidus, metabolic			
		encephalopathy			
		Sleep disorders			
		Auto immune disorders- multiple sclerosis, inflammatory			
		myopathies			
XVI	10	NEURO EMERGENCIES			
		Causes, pathophysiology, Clinical types, Clinical features,			

XVII 5 REHABILITATION.			Nursing management of			
 Unconscious Herniation syndrome Seizures Severe head injuries Spinal injuries Cerebro vascular accidents 						
 Herniation syndrome Seizures Severe head injuries Spinal injuries Cerebro vascular accidents 			Increased intracranial pressure			
 Seizures Severe head injuries Spinal injuries Cerebro vascular accidents 			• Unconscious			
 Severe head injuries Spinal injuries Cerebro vascular accidents 			Herniation syndrome			
Spinal injuries Cerebro vascular accidents			• Seizures			
Cerebro vascular accidents			• Severe head injuries			
			• Spinal injuries			
XVII 5 REHABILITATION.			Cerebro vascular accidents			
XVII 5 REHABILITATION .						
	XVII	5	REHABILITATION.			
Concept and Principles of Rehabilitation.			Concept and Principles of Rehabilitation.			
Factors affecting quality of life and coping			Factors affecting quality of life and coping			
Rehabilitation in acute care setting, and following stroke, head			Rehabilitation in acute care setting, and following stroke, head			
injury and degenerative disorders of brain			injury and degenerative disorders of brain			
Physiotherapy.			Physiotherapy.			
Counselling			Counselling			
Care giver's role			Care giver's role			
Speech & LanguageNeurogenic communication disorders, Speech			Speech & LanguageNeurogenic communication disorders, Speech			
therapy			therapy			
XVIII 5 ETHICAL AND LEGAL ISSUES IN NEUROSCIENCE NURSING		5	ETHICAL AND LEGAL ISSUES IN NEUROSCIENCE NURSING			
Brain death and organ transplantation	XVIII					
Euthanasia	XVIII		Brain death and organ transplantation			

		Negligence and malpractice		
		Nosocomial infections		
XIX	5	QUALITY ASSURANCE IN NEUROLOGICAL NURSING PRACTICE		
		Role of advance practitioner in neurological nursing		
		Professional practice standards		
		Quality control in neurologic nursing		
		Nursing audit		
		Neuro ICU		
		 Philosophy, aims and objectives 		
		 Policies, staffing pattern, design and physical plan of neuro ICU 		
		• Team approach, functions		
		 Psychosocial aspects in relation to staff and clients of neuro 		
		ICU,		
		In-service education		

Practical

Sr.No.	Posting of area	No. of weeks	Total No.of Hours
1	O.P.D	2	60
2	Casualty	2	60
3	Diagnostics	2	60
4	Neuro psychiatry	1	30
5	Neuro Medical wards	4	120
6	Paediatric Neuro ward	2	60
7	Neuro surgical wards	4	120
8	Head Injury ward	3	90
9	ICU- neuro medicine	4	120

10	I.C.U neuro surgical	4	120
11	Rehabilitation	2	60
12	Operation Theatre	2	60
	Total	32 Weeks	960 Hours

Visit to cerebral palsy centre

ESSENTIAL NEURO NURSING SKILLS

I. Procedures Observed

- 1. CT scan
- 2. MRI
- 3. PET
- 4. EEG

- 5. EMG
- 6. Sleep pattern studies/Therapy
- 7. Radiographical studies
- 8. Neuro surgeries
- 9. Nerve conduction studies
- 10. Ultrasound studies
- 11. Any other

II. Procedures Assisted

- 1. Advanced Cardiac life support
- 2. Lumbar Puncture
- 3. Biopsies muscle, nerve and Brain
- 4. Arterial Blood Gas
- 5. ECG Recording
- 6. Blood transfusion
- 7. IV cannulation open method
- 8. Endotracheal intubation
- 9. Ventilation
- 10. Tracheostomy
- 11. ICP monitoring
- 12. Gama Knife
- 13. Cereberal angiography
- 14. Myelography
- 15. Neuro surgeries

III. Procedures Performed:

Airway management

- a. Application of Oro Pharyngeal Airway
- b. Care of Tracheostomy
- c. Conduct Endotracheal Intubation
- d. use of AMBU bag, artificial respirators
- e. Setting of Ventilators and Care of patients on ventilators

Cardio Pulmonary Resuscitation -Defibrillation

- 3.Neurological assessment -Glasgow coma scale
- 4.Gastric Lavage
- 5.IV Cannulation
- 6.Administration of emergency IV Drugs, fluid
- 7. Care of patients with incontinence, bladder training
- 8. Care of patients on traction related to the neurological conditions

- 9.Blood Administration.
- 10. Muscle strengthening exercises
- 11. Guidance and counseling
- 12. Monitoring management and care of monitors.

IV. Other Procedures

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M Sc Nursing Evaluation criteria for Case study

Name of the Student: Topic: Date of Submission:

Sr. No	Criteria	Marks allotted	Marks obtained
1	Assessment	05	
2	Theoretical knowledge about disease	05	
3	Comparative study of patient's disease & book picture	10	
4	Management: Medical/surgical	05	
5	Nursing process	15	
6	Drug study	03	
7	Summary & conclusion including research evidence	05	
8	Bibliography	02	
	Total	50	

Remark:

Signature of Student Date:

Signature of Evaluator Date:

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M Sc Nursing Evaluation criteria for Care Plan

Name of the Student: Topic: Date of Submission:

Field of Placement:

Sr. No	Criteria	Marks allotted	Marks obtained
1	Assessment	12	
2	Nursing diagnosis	3	
3	Goal	2	
4	Outcome criteria/Objective	2	
5	Nursing intervention	15	
6	rationale	03	
7	Evaluation	03	
8	Nurses notes	10	
	Total	50	

Remark:

Signature of Student Date:

Signature of Evaluator Date:

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M Sc Nursing Evaluation criteria for Case presentation

Name of the student: Name of the patient: Diagnosis: Ward: Date of presentation:

Sr.No	Criteria	Marks allotted	Marks obtained
1	Subjective & objective data	08	
2	Problem & need identified & nursing care plan	15	
3	Effectiveness of presentation	05	

4	Corelation with patient & book, research evidence	10	
5	Use of A. V. aids	05	
6	Physical arrangement	02	
7	Group participation	03	
8	Bibliography	02	
	Total	50	

Remark:

Signature of Student Date:

Signature of Evaluator Date:

Dr.D.Y.PATI COLLEGE OF NURSING BHOSARI , PUNE-18.

EVALUATION CRITERIA FOR SEMINAR PRESENTATION

Subject:	
	Date:
Name of student:	Time:

Group:_____ Maximum Marks: 100

S.No.	Criteria			Remarks			
		1	2	3	4	5	
1.	Content						
	Introduction						

2.	Organization of Content				
3.	Presentation of topic				
4.	Relevant examples				
5.	Relevant statistical data				
6.	Group participation				
7.	Control of group	 			
8.	AV Aids:				
	Appropriate to subject				
9.	Proper use of A/V Aids				
10.	Self explanatory				
11.	Attractive				
12.	Planning and preparation				
13.	Use of Modern technology				
14.	Physical facilities:				
	Environment				
15.	Classroom preparation				
16.	Over lay out	 			
17.	Personal Appearance:	 			
	Voice & clarity				
18.	Mannerisms				
19.	Conclusion			<u> </u>	
20.	References				

Remarks & Signature of Supervisor:

Signature of Student:

Dr. D. Y. PATIL COLLEGE OF NURSING, BHOSARI, PUNE-18

M. Sc. Nursing

Evaluation Criteria for Written Assignment

Total Marks = 25

S.N.	Criteria	Marks
1.	Content	10
2.	Organization	05
3.	Resources used	03
4.	Completeness	03
5.	Neatness	02
6.	Bibliography	02
	Total	25

Remarks: -

Date & Signature of the Evaluator:

Date & Signature of the Student

Dr.D.Y.PATIL COLLEGE OF NURSING BHOSARI , PUNE-18.

CLINICAL EVALUATION: - COMPREHENSIVE NURSING CARE

(maximum marks – 100 each area)

Name of the students

Year :- II semester M.Sc Nursing

Duration of Experience :

SR.No.	Criteria	1	2	3	4	5
I	Understanding of patient as person					
	A.Approach					
	1.Rapport with patient / family members.					
	2.Collects significant information					
	B.Understanding of patient's health problems.					
	1.knowledge about disease condition.					
	2.knowledge about investigations.					
	3.knowledge about treatment.					
	4.knowledge about progress of the patient.					
II	Nursing care plan					
	A.Assessment of the condition of the patient .					
	1. History taking –past & present health and illness					
	2.specific observation of the patient					
	3.Nursing diagnosis					

	Total Marks		
	2.Sincerely, honesty & sense of responsibility		
	interpersonal relationship , ,Punctuality etc.		
	1.Professional appearance (Uniform, dignity, tact fullness		
VI	Personality		
	2.Uses visual aids appropriately		
	1.Incidental/ Planned teaching with principles of teaching & learning.		
V	Health Teaching		
	2.Maintanance of clinical experience file.		
	1.Prompt, Precise, accurate & relevant.		
IV	Recording & Reporting		
	2.Implements the procedure with skill speed & completeness.		
	1.Economical & safe adaptation to the situation & available facilities.		
III	Technical skill		
	3.Evaluation of the care given & re-planning		
	2.Priritization 7 implementation of the plans.		
	1.Indentification of all problems in the patient family.		
	B.Development of the short – term & long term nursing care plans.		

Comments

Signature of Student

Evaluation Criteria:

Theory:

Unit test I	25 marks
Prefinal	75 marks
Seminar (1)	100 marks each
Topic Presentation(1)	50 marks
Journal Presentation(1)	25 marks
Written assignment	25 marks
Total marks	300marks (send university out of 25)

Practical:

Unit test I	25 marks

- Prefinal 100 marks
- Nursing procedure 50 marks

Clinical assignments

- Case study (2) 50x2=100
- Case presentation (2) 50x2=100
- Care plan (3) 50x3=150

- Clinical evaluation (2) 100x2=200
- Project work(1) 100x1=100

Total marks

825marks (send university out of 100)

University Examination:

Theory: 75

Practical: 100

Anatomy & Physiology

- 1. Gerard J. Tortora, Principles of Anatomy and Physiology, 11th edition,2006, published by John Wiley and sons, United States of America
- 2. Ross and Wilson, Anatomy and Physiology in Health and Illness, 9th edition, 2001, Elsevier Churchill Livingstore, Philadelphia
- 3. Gray Thibodkar, Textbook of Anatomy and Physiology, 12th edition, published by Elsevier, India,2003
- 4. Waugh, Anne (2003), "Anatomy & Physiology in health & illness" 10th ed., Churchill Livingstone.
- Anthony & Thibodcon (2000), "Anatomy & Physiology for nurses" 11th ed., C.V. Mosby Co., London.
- 6. Greig, Rhind, "Riddle's Anatomy & Physiology," 7th ed., Churchill Livingstone.
- 7. Singh, I.B. (2005), "Anatomy & Physiology for nurses", 1st ed., Jaypee
- 8. Tortora, (2003), "Principles of Anatomy & Physiology," 10th ed., Wiley inter.
- 9. Chaurasia, B.D.(2004), "Human Anatomy", 4th ed., CBS publishers.
- 10. Sembulingam, "Essentials of Medical Physiology," 3rd Edition 2004 J.P.Publication.

- T Clenister and Jean Rosy (1974). "Anatomy and physiology for Nurses" 2nd Edition, William Hernmarni Medical BK. Ltd.
- 12. Ganong. F. William, "Review of Medical Physiology ", 15th Edition Prentice Hall International Inc., Appleton and Lange.
- Guyton and Hall, "Textbook of Medical Physiology," 9th Edition, A Prism2. Indian Edn. Pvt. Ltd.

Medical Surgical

- 1. Brunner and Suddarth's, Text Book of Medical Surgical Nursing, 9th edition, 2005, Lippincott Raven Publishers.
- 2. John Luckmann, Medical Surgical Nursing, 3rd edition, 1987, Saunders Company, Philadelphia, London
- Jayce M. Black, Jane Hokenson Hawks, Medical Surgical Nursing- Clinical Management for positive outcomes, 7th edition, 2005, Elseiver, India.
- 4. Brunner S.B., Suddarth D.S., The Lippincott Manual of Nursing practice J.B. Lippincott.Philadelphia.
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- 7. Colmer R.M., Moroney's Surgery for Nurses(16th ed) (1995) ELBS.
- Shah N.S., A P I textbook of Medicine, The Association of Physicians of India Mumbai(2003).
- 9. Satoskar R.S., Bhandarkar S.D. & Rege N. N., Pharmacology and Pharmacotherapeutics, 19th ed, 2003 Popular Prakashan, Mumbai.
- Phipps W.J., Long C.B.& Wood N.F., Shaffer's Medical Surgical Nursing B.T. Publication Pvt. Ltd. (2001) New Delhi.
- 11. Datta T.k. fundamentals of Operation Theatre Services, Paypee, (2003), New Delhi.
- 12. Maheswari J, Essentials of Orthopedics (3rd ed) Mehta Publication, New Delhi.
- 13. Pasricha J.S., Gupta R., Illustrated Text book of Dermatology, 2nd ed, 2001 Jaypee brothers New Delhi.
- Haslett C., Chilvers E.R., Hunder J.A.A. & Boon, N.A. Davidson's Principles and Practice of Medicine, 18th ed, (1999) Churchill living stone. Edinburgh.
- 15. Walsh M., Watson's Clinical Nursing and Related Sciences, 6th ed,(2002) Bailliere Tindall Edinburgh.
- 16. Mmedical Surgical Nursing: A Nursing process approach Col. I & II, Ignatacicius, Donna and Workman, Linda, W.B. Saunders company, Philadelphia, 1995
- Nettina, Sandra, Lippincott Williams & Wilkins, The Lippincott Manuel of Nursing practice, 7th ed, 2001, Philadelphia

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CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING- NEPHRO-UROLOGY NURSING

Placement : III Semester- T-75 hrs (I-VII unit)

Practical- 150 hrs

IV Semester- T-75 hrs (VIII- XV unit)

Practical-810 hrs

Hours of Instruction Theory: 150 hours: C-3 Practical: 960 hours: C-16 Total: 1100 hours: C-19

Course Description

This course is designed to assist students in developing expertise and in- depth understanding in the field of Nephro and urological Nursing. It will help students to develop advanced skills for nursing intervention in various nephro and urological conditions. It will enable the student to function as nephro and urology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of nephro and urology nursing

Objectives

At the end of the course the students will be able to:

1. Appreciate trends and issues related to nephro and urological nursing

- 2. Describe the epidemiology, etiology, pathophysiology and diagnostic
- assessment of nephro and urological conditions
- 3. Perform physical, psychosocial & spiritual assessment
- 4. Assist in various diagnostic, therapeutic and surgical interventions
- 5. Provide comprehensive nursing care to patients with nephro and urological conditions

6. Describe the various drugs used in nephro and urological conditions and nurses responsibility

7. Demonstrate skill in handling various equipments/gadgets used for patients with nephro and urological conditions

8. Appreciate team work & coordinate activities related to patient care

9. Practice infection control measures.

10. Identify emergencies and complications & take appropriate measures

11. Assist patients and their family to cope with emotional distress, grief,

anxiety and spiritual needs

12. Discuss the legal and ethical issues in nephro and urological nursing

13. Identify the sources of stress and manage burnout syndrome among

health care providers

14. Appreciate the role of alternative system of medicine in the care of

patient

15. Incorporate evidence based nursing practice and identify the areas of

research in the field of nephro and urological nursing

16. Teach and supervise nurses and allied health workers17. Design a layout of kidney transplant unit and dialysis unit

18. Develop standards of nephro urological nursing practice

Unit	Hours	Content
I	5	INTRODUCTION
		 Historical development: trends and issues in the field of nephro and urological nursing.
		 Nephro and urological problems
		 Concepts, principles and nursing perspectives
		 Ethical and legal issues
		 Evidence based nursing and its application in nephro and

		 urological nursing(to be incorporated in all the units)
11	5	EPIDEMIOLOGY
		 Major health problems- urinary dysfunction, urinary tract infections, Glomuerular disorders, obstructive disorders ad other urinary disorders
		 Risk factors associated with nephro and urological conditions conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations
		 Health promotion, disease prevention, life style modification and its implications to nursing
		Alternate system of medicine/complementary therapies
	5	REVIEW OF ANATOMY AND PHYSIOLOGY OF URINARY SYSTEM
		Embryology
		Structure and functions
		Renal circulation
		Physiology of urine formation
		Fluid and electrolyte balance
		Acid base balance
		Immunology specific to kidney

IV	20	ASSESSMENT AND DIAGNOSTIC MEASURES				
		 History taking Physical assessment, psychosocial assessment Common assessment abnormalities-dysurea, frequency, enuresis, urgency, hesistancy, hematuria, pain, retention, burning on 				
		urination, pneumaturia, incontinence, nocturia, polyurea, anuria, oliguria,				
		 Diagnostic tests-urine studies, blood chemistry, radiological procedures-KUB, IVP, nephrotomogram, retrograde pylogram, renal 				
		arteriogram, renalultrasound, CT scan, MRI, cystogram, renal				
		scan, biopsy, endoscopy-cystoscopy, urodynamics studies-				
		cystometrogram, urinary flow study, sphincter electromyography,				
		voiding pressure flow study, videourodynamics, Whitaker study				
		nterpretation of diagnostic measures				
		Nurse's role in diagnostic tests				
V	5	RENAL IMMUNOPATHY/IMMUNOPATHOLOGY				
		 General Concept of immunopathology Immune mechanism of glomerual vascular disease Role of mediater systems in glomerula vascular disease 				
VI	25	GLOMUERAL DISORDERS AND NURSING MANAGEMENT				

		Etiology, clinical manifestations, diagnosis, prognosis, related			
		pathophysiology, medical, surgical and nursing management of			
		Glomueralo nephritis- chronic, acute , nephritic syndrome			
		Acute Renal failure and chronic renal failure.			
		Renal calculi			
		Renal tumours-benign and malignant			
		Renal trauma			
		Renal abscess			
		Diabetic nephropathy			
		Vascular disorders			
		Renal tuberculosis			
		Polycystic			
		Congenital disorders			
		Hereditary renal disorders			
VII	10	PEDIATRIC URINARY DISORDERS			
		Etiology, clinical manifestations, diagnosis, prognosis, related			
		pathophysiology, medical, surgical and nursing management of			
		children with Renal Diseases -UTI, ureteral reflux, glomerulo			
		nephritis, nephrotic syndrome infantile nephrosis, cystic kidneys,			
		familial factors in renal diseases in childhood, Haemolytic uraemic			
		syndrome. Benign recurrent haemturia, nephropathy,			
		tumour			
VIII	12	MANAGEMENT OF RENAL EMERGENCIES			

		Anuria
		Acute Renal failure
		Poisoning
		Trauma
		Urine retention
		Acute graft rejection
		Hematuria
		Nurse's role
IX	10	DRUGS USED IN URINARY DISORDERS
		Classification
		Indications, contraindications, actions and effects, toxic effects
		Role of nurse
Х	8	DIALYSIS
		Dialysis- Historical, types, Principles, goals
		 Hemodialysis- vascular access sites- temporary and permanent
		Peritoneal dialysis
		Dialsyis Procedures- steps, equipments, maintenance,
		Role of nurse- pre dialysis, intra and post dialysis
		Complications-
		Counseling
		patient education
		Records and reports

XI	12	KIDNEY TRANSPLANTATION
		Nursing management of a patient with Kidney transplantation
		Kidney transplantations- a historical review
		Immunology of graft rejections
		The recipient of a renal transplant
		Renal preservations
		Human Leucocytic Antigen(HLA) typing matching and cross
		matching in renal transplantation
		Surgical techniques of renal transplantations
		Chronic renal transplant rejection
		Complication after KTP: Vascular and lymphatic, Uroloical,
		cardiovascular, liver and neurological, infectious complication
		KTP in children and management of pediatric patient with KTP
		KTP in developing countries
		Results of KTP
		Work up of donor and recipient for renal transplant
		Psychological aspect of KTP and organ donations
		Ethics in transplants
		Cadaveric transplantation
XII	5	REHABILITATION OF PATIENT WITH NEPHROLOGICAL PROBLEMS
		Risk factors and prevention
		Rehabilitation of patients on dialysis and after kidney transplant

		Rehabilitation of patients after urinary diversions		
		Family and patient teaching		
XIII	5	CRITICAL CARE UNITS- DIALYSIS , KTP UNIT		
		Philosophy, aims and objectives		
		Policies, staffing pattern, design and physical plan of Dialysis and		
		KTP units		
		Team approach, functions		
		Psychosocial aspects in relation to staff and clients of ICU, dialysis		
		unit		
		In-service education		
		Ethical and legal issues		
XIV	5	QUALITY ASSURANCE IN NEPHROLOGICAL NURSING PRACTICE		
		Role of advance practioner in nephrological nursing		
		Professional practice standards		
		Quality control in nephrological nursing		
		Nursing audit		
XV	18			
		UROLOGICAL DISORDERS AND NURSING MANAGEMENT		
		Etiology, clinical manifestations, diagnosis, prognosis, related		
		pathophysiology, medical, surgical and nursing management of		
		Urinary tract infections- pyelonephritis, lower urinary tract		

infections,
Disorders for ureters, bladder and urethera
Urinary tract infections-
Urinary dysfunctions- urinary retention, urinary incontinence,
urinary reflux,
Bladder disorders- neoplasms, calculi, neurogenic bladder, trama,
congenital abnormalities
Benign prostrate hypertrophy(BPH)
Ureteral disorders: ureteritis, ureteral trauma, congenital
anomalies of ureters
Uretheral disorders- tumours, trauma, congenital anomalies of
ureters,

Practical

Sr.No.	Unit	No.of Weeks	Total No.of Hours
1	Nephrology Ward	6	180 Hours
2	Pediatrics	2	60 Hours

3	Critical Care Unit	2	60 Hours
4	Urology Ward	6	180 Hours
5	Dialysis Unit	4	120 Hours
6	Kidney Transplantation Unit	2	60 Hours
7	URO OT	2	60 Hours
8	Emergency Wards	2	60 Hours
9	Uro Nephro OPDs	4	120 Hours
10	Diagnostic Labs	2	60 Hours
	Total	32 Weeks	960 Hours

Procedures Observed
I. Procedures Observed

- 1. CT Scan
- 2. MRI
- 3. Radiographic studies
- 4. Urodynamics
- 5. Hemodialysis
- 6. Renal Surgeries

ii. Procedures Assisted

- 1. Blood transfusion
- 2. I V cannulation therapy
- 3. Arterial Catheterization
- 4. Insertion of central line/cvp line
- 5. Connecting lines for dialysis
- 6. Peritoneal dialysis
- 7. Renal biopsy
- 8. Endoscopies- Bladder, urethra

iii. Procedure Performed

- 1. Health assessment
- 2. Insertion of uretheral and suprapubic catheters
- 3. Urine analysis
- 4. Catheterisation
- 5. Peritoneal dialysis
- 6. Bladder irrigation
- 7. Care of ostomies
- 8. Care of urinary drainage
- 9. Bladder training
- 10. Care of vascular access

- 11. Setting up dialysis machine and starting, monitoring and closing dialysis
- 12. Procedures for prevention of infections:
- 13. Hand washing, disinfection & sterilization surveillance, and fumigation universal precautions.
- 14. Collection of specimen.
- 15. Administration of drugs: IM, IV injection, IV cannulation & fixation of infusion pump, calculation of dosages, blood administration. monitoring -fluid therapy, electrolyte imbalance,
- 16. Nutritional needs, diet therapy & patient education.
- 17. Counselling

IV. OTHER PROCEDURES:

Evaluation Criteria:

Theory:

Unit test I 25 marks

Prefinal 75marks

Seminar (1) 100 marks each

Total marks	300marks (send university out of 25)
Written assignment	25 marks
Journal Presentation(1)	25 marks
Topic Presentation(1)	50 marks

Practical:

Unit test l	25 marks
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- Prefinal 100 marks
- Nursing procedure 50 marks

Clinical assignments

Total	marks	825marks (send university out of 100)
•	Project work(1)	100x1=100
•	Clinical evaluation (2)	100x2=200
•	Care plan (3)	50x3=150
•	Case presentation (2)	50x2=100
•	Case study (2)	50x2=100

University Examination:

Theory: 75

Practical: 100

Dr.D.Y.PATIL COLLEGE OF NURSING BHOSARI, PUNE-18.

M Sc Nursing Evaluation criteria for Case study

Name of the student: Topic: Date of submission:

Sr	Criteria	Marks allotted	Marks obtained
No			
1	Assessment	05	
2	Theoretical knowledge about disease	05	
3	Comparative study of patient's disease & book picture	10	
4	Management: Medical/surgical	05	
5	Nursing process	15	
6	Drug study	03	
7	Summary & conclusion including research evidence	05	
8	Bibliography	02	
	Total	50	

Remark:

Signature of Student Date:

Signature of Evaluator Date:

Dr.D.Y.PATIL COLLEGE OF NURSING BHOSARI , PUNE-18.

M Sc Nursing Evaluation criteria for Care Plan

Name of the Student: Topic: Date of Submission:

Field of Placement:

Criteria	Marks allotted	Marks obtained
Assessment	12	
Nursing diagnosis	3	
Goal	2	
Outcome criteria/Objective	2	
Nursing intervention	15	
rationale	03	
Evaluation	03	
Nurses notes	10	
Total	50	
	AssessmentNursing diagnosisGoalOutcome criteria/ObjectiveNursing interventionrationaleEvaluationNurses notes	Assessment12Nursing diagnosis3Goal2Outcome criteria/Objective2Nursing intervention15rationale03Evaluation03Nurses notes10

Remark:

Signature of Student Date:

Signature of Evaluator Date:

Dr.D.Y.PATIL COLLEGE OF NURSING BHOSARI, PUNE-18.

M Sc Nursing Evaluation criteria for Case presentation

Name of the student: Name of the patient: Diagnosis: Ward: Date of presentation:

Sr	Criteria	Marks Allotted	Marks Obtained
No			
1	Subjective & objective data	08	
2	Problem & need identified & nursing care plan	15	
3	Effectiveness of presentation	05	
4	Corelation with patient & book, research evidence	10	
5	Use of A. V. aids	05	
6	Physical arrangement	02	

7	Group participation	03	
8	Bibliography	02	
	Total	50	

Remark:

Signature of Student Date:

Signature of Evaluator Date:

Dr.D.Y.PATIL COLLEGE OF NURSING BHOSARI, PUNE-26.

EVALUATION CRITERIA FOR SEMINAR PRESENTATION

Subject:	
	Date:
Name of student:	Time:
Group:	Maximum Marks: 100

S.No.	Criteria	Rating					Remarks
		1	2	3	4	5	
1.	Content						
	Introduction						
2.	Organization of Content						

3.	Presentation of topic			
4.	Relevant examples			
5.	Relevant statistical data			
6.	Group participation			
7.	Control of group			
8.	AV Aids:			
	Appropriate to subject			
9.	Proper use of A/V Aids			
10.	Self explanatory			
11.	Attractive			
12.	Planning and preparation			
13.	Use of Modern technology			
14.	Physical facilities:			
	Environment			
15.	Classroom preparation			
16.	Over lay out			
17.	Personal Appearance:			
	Voice & clarity			
18.	Mannerisms			
19.	Conclusion			
20.	References			

Remarks & Signature of Supervisor:

Signature of Student:

Dr.D.Y.PATIL COLLEGE OF NURSING BHOSARI , PUNE-26.

M. Sc. Nursing

Evaluation Criteria for Written Assignment

Total Marks = 25

S.N.	Criteria	Marks
1.	Content	10
2.	Organization	05
3.	Resources used	03
4.	Completeness	03
5.	Neatness	02
6.	Bibliography	02
	Total	25

Remarks: -

Total:-

Date & Signature of the Evaluator:

Date & Signature of the Student

Dr.D.Y.PATIL COLLEGE OF NURSING BHOSARI , PUNE-26.

CLINICAL EVALUATION: - COMPREHENSIVE NURSING CARE

(Maximum Marks – 100 each area)

Name of the students

Placement : Theory :- III Semester

Practical :-IV Semester

Duration of Experience :

SR.No.	Criteria	1	2	3	4	5
I	Understanding of patient as person					
	A.Approach					
	1.Rapport with patient / family members.					
	2.Collects significant information					
	B.Understanding of patient's health problems.					
	1.knowledge about disease condition.					
	2.knowledge about investigations.					
	3.knowledge about treatment.					
	4.knowledge about progress of the patient.					
II	Nursing care plan					
	A.Assessment of the condition of the patient .					
	1. History taking –past & present health and illness					
	2.specific observation of the patient					
	3.Nursing diagnosis					
	B.Development of the short – term & long term nursing care plans.					
	1.Indentification of all problems in the patient family.					

	2.Priritization 7 implementation of the plans.			
	3.Evaluation of the care given & re-planning			
	Technical skill			
	1.Economical & safe adaptation to the situation & available facilities.			
	2.Implements the procedure with skill speed & completeness.			
IV	Recording & Reporting			
	1.Prompt, Precise, accurate & relevant.			
	2.Maintanance of clinical experience file.			
V	Health Teaching			
	1.Incidental/ Planned teaching with principles of teaching & learning.			
	2.Uses visual aids appropriately			
VI	Personality			
	1.Professional appearance (Uniform, dignity, tact fullness interpersonal relationship , ,Punctuality etc.			
	2.Sincerely, honesty & sense of responsibility			
	Total Marks			

Comments

Signature of student

signature of clinical supervisor

CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING - ORTHOPEDIC NURSING

Placement : III Semester- T-75 hrs (I-X unit)

Practical- 150 hrs

IV Semester- T-75 hrs (XI- XVIII unit)

Practical-810 hrs

Hours of Instruction

Theory: 150 hours: C-3 Practical: 960 hours: C-16

Total: 1100 hours: C-19

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of orthopedic nursing. It will help students to develop advanced skills for nursing intervention in various orthopedic conditions. It will enable the student to function as orthopedic nurse practitioner/ specialist providing quality care. It will further enable the student to function as educator, manager, and researcher in the field of orthopedic nursing.

At the end of the course the students will be able to:

- 1. Appreciate the history and developments in the field of orthopedic nursing
- 2. Identify the psycho-social needs of the patient while providing holistic care.
- 3. Perform physical and psychological assessment of patients with orthopedic conditions and disabilities
- 4. Describe various disease conditions and their management
- 5. Discuss various diagnostic tests required in orthopedic conditions
- 6. Apply nursing process in providing care to patients with orthopedic conditions and those requiring rehabilitation.
- 7. Recognize and manage orthopedic emergencies.

- 8. Describe recent technologies and treatment modalities in the management of patients with orthopedic conditions and those requiring rehabilitation.
- 9. Integrate the concept of family centered, long term care and community based rehabilitation to patients with orthopedic conditions.
- 10. Counsel the patients and their families with orthopedic conditions
- 11. Describe various orthotic and prosthetic appliances
- 12. Appreciate the legal and ethical issues pertaining to patients with orthopedic conditions and those requiring rehabilitation.
- 13. Appreciate the role of alternative system of medicine in care of patients with orthopedic conditions
- 14. Incorporate evidence based nursing practice and identify the areas of research in the field of orthopedic nursing.
- 15. Recognize the role of orthopedic nurse practitioner and as a member of the orthopedic and rehabilitation team.
- 16. Teach orthopedic nursing to undergraduate students and in-service nurses
- Prepare a design and layout of orthopedic and rehabilitative units. Course Content

Unite	Hours	Content
Ι	5	INTRODUCTION
		Historical perspectives – History and trends in orthopedic nursing
		Definition and scope of orthopedic nursing
		Anatomy and physiology of Musculo-skeletal system
		Posture, Body landmarks Skeletal system Muscular system.
		Nervous system - Main nerves
		Healing of - Injury, bone injury,
		Repair of ligaments
		Systemic response to injury
		Ergonomics, Body mechanics, biomechanical measures

		Orthopedic team
II	8	ASSESSMENT OF ORTHOPEDIC PATIENT
		Health Assessment: History, physical examination- Inspection,
		palpation, movement, Measurement, muscle strength Testing.
		Diagnostic studies – Radiological studies, Muscle enzymes,
		serologic studies
III	10	CARE OF PATIENTS WITH DEVICES
		Splints, braces, various types of plaster cast
		Various types of tractions,
		Various types of orthopedic beds and mattresses
		Comfort devices
		Implants in orthopedic
		Prosthetics and Orthotics
IV	15	TRAUMA & INJURIES
		Causes, pathophysiology, clinical types, clinical features,
		diagnosis, prognosis, management, medical surgical and nursing
		management of :
		• Early management of Trauma
		• Fractures
		• Injuries of the
		Shoulder and arm
		Elbow, fore arm, wrist, hand
		Hip, thigh, knee, leg, ankle, foot

		Spine		
		Head injury		
		Chest injury		
		• Polytrauma		
		• Nerve injuries		
		Vascular injuries		
		• Soft tissue injuries		
		• Sports injuries		
		• Amputation		
V	4	INFECTIONS OF BONES AND JOINTS		
		Causes, pathophysiology, clinical types, clinical features,		
		diagnosis, prognosis, management, medical surgical and		
		nursing		
		management of :		
		• Tuberculosis		
		• Osteomyelitis		
		• Arthritis		
		• Leprosy		
VI	5	BONE TUMOURS		
		Causes, pathophysiology, clinical types, clinical features,		
		diagnosis, prognosis, management, medical surgical and		
		nursing		
		management of:		

		 Bone tumors – Benign, Malignant and metastatic 		
		 Different types of therapies for tumors 		
		• Complementary Therapies Such As Yoga, Massaje, Reki , Unani, Medicinees, Ayurvedic tratmensts, Homeopathic, etc.		
VII	10	DEFORMITIES		
		Causes, pathophysiology, clinical types, clinical features,		
		diagnosis, prognosis – medical surgical and nursing management		
		of:Scoliosis, Kyphosis,Lordosis		
		Congenital disorders: Congenital dislocation of hip(CDH),		
		Dislocation of patella, knee,		
		Varus and valgus deformities,		
		Deformities of digits,		
		Congenital torticollis.		
		Meningocele, meningomyelocele, spina bifida,		
		Chromosomal disorders.		
		Computer related deformities		
VIII	5	DISORDERS OF THE SPINE		
		Intervertebral disc prolapse, Fracture of the spine		
		Low back disorder – Low back pain, PND, spinal stenosis,		
		spondylosis		

	NUTRITIONAL/METABOLIC AND ENDOCRINE DISORDERS
	Causes, pathophysiology, clinical types, clinical features,
	diagnosis, prognosis, medical surgical and nursing management
	of:
	• Rickets,
	• Scurvy,
	• Hyper vitaminosis A and D,
	• Osteomalacia,
	Osteoporosis
	Paget's disease,
	gout,
	Gigantism,
	Dwarfism,
	Acromegaly.
	Therapeutic diets for various orthopedic disorders
7	NEURO-MUSCULAR DISORDERS:
	Causes, pathophysiology, clinical types, clinical features,
	diagnosis, prognosis, medical surgical and nursing management
	of:
	Poliomyelitis, Cerebral Palsy
	• Myasthenia gravis
	• Spina bifida.
	• Peripheral nerve lesion,
	7

		Paraplegia, Hemiplegia, Quadriplegia.
		Muscular dystrophy
XI	10	CHRONIC/DEGENERATIVEDISEASES OF JOINTS AND
	10	AUTOIMMUNE
		DISORDERS:
		Causes, pathophysiology, clinical types, clinical features,
		diagnosis, prognosis – medical surgical and nursing management
		of:
		Osteo Arthritis
		Rheumatoid Arthritis
		 Ankylosing spondylitis.
		Spinal disorders.
		Systemic Lupus Erythematosus
XII	5	ORTHOPEDIC DISORDERS IN CHILDREN:
		General and special consideration on pediatric orthopedics
		Genetic disorders
		Congenital anomalies
		Growth disorders
		Genetic counseling
		Nurses role in genetic counseling
L	I	

XIII	5	GERIATRIC PROBLEMS		
		Geriatric population, types of disabilities, causes, treatment and		
		Management – Hospitalization, rest, physiotherapy, involvement of		
		family members, social opportunities.		
		Care at home – involvement of family and community, follow up		
		care and rehabilitation		
XIV	8	PHARMACOKINETICS		
		Principles of drug administration		
		Analgesics and anti inflammatory agents		
		Antibiotics, Antiseptics,		
		Drugs used in orthopedics and neuromuscular disorders		
		Blood and blood components		
		Care of drugs and nurses role		
XV	30	NURSES ROLE IN ORTHOPEDIC CONDITIONS		
		Gait analysis		
		Urodynamic studies		
		Prevention of physical deformities		
		Alteration of body temperature regulatory system and immune		
		systems		
		Immobilization – cast, splints, braces and tractions		

Prevention and care of problems related to immobility
Altered sleep patterns
Impaired communication
Self care and activities of daily living
Bladder and bowel rehabilitation
Sensory function rehabilitation
Psychological reaction related to disabilities and disorders.
Coping of individual and family with disabilities and disorders
Maintaining sexuality
Spirituality – A rehabilitative prospective
Orthopedic Reconstructive Surgeries
Replacement surgeries – Hip, Knee, Shoulder
Spine surgeries
Grafts and flaps surgery
Deformity correction
Physiotherapy
Concepts, Principles, purpose,
 Mobilization – Exercises: types, re-education in walking:
Crutch walking, wheel chair, Transfer techniques,
•Types of gaits: Non-weight bearing, partial weight bearing,
four point crutch, tripoid, walking with sticks, calipers
•Forms of therapies: Hydrotherapy, electrotherapy, wax bath,

		heat therapy, ice, helio therapy, radiant heat,
		•Chest physiotherapy
XVI	8	REHABILITATION
		Principles of rehabilitation, definition, philosophy, process,
		Various types of therapies
		Special therapies and alternative therapies
		Rehabilitation counseling
		Preventive and restorative measures.
		Community based rehabilitation (CBR)
		Challenges in rehabilitation.
		Role of the nurse in rehabilitation,
		Legal and ethical issues in rehabilitation nursing
		Occupational therapy
XVII		NATIONAL POLICIES AND PROGRAMMES
		National programmes for rehabilitation of persons with disability -
		National Institutes, artificial limbs manufacturing Corporation,
		District Rehabilitation Centers and their schemes
		Regional rehabilitation centers etc.
		Public policy in rehabilitation nursing
		The persons with disabilities act 1995,
		Mental rehabilitation and Multiple disabilities act 1992,

		The National Trust Rules 1999 and 2000 Rehabilitation Council of India Legal and ethical aspects in orthopedic nursing Rehabilitation health team and different categories of team	
		members.	
XVIII	4	QUALITY ASSURANCE Standards, Protocols, Policies, Procedures Nursing audit Staffing Design of orthopedic, physiotherapy and rehabilitation unit	

Field Visits:

Visit to rehabilitation center

Visit to workshops where these devices are made

Visit to paraplegic center

Visit to rehabilitation center

Visit to physiotherapy unit

Field Visit: Artificial limbs manufacturing corporation, District, Regional rehabilitation center

Practical

- 1. Clinical practice in Orthopedic, physiotherapy and Rehabilitation Units.
- 2. Application of tractions and plaster casts and removal of tractions and plaster casts and other appliances.
 - Apply Theories and Nursing Process in the management of patients
- 3. with orthopedic conditions.
- 4. Provide various types of physical and rehabilitative therapies
- 5. Provide health education on related disease conditions.
- 6. Unit management and plan designing

Clinical Experience

Total = 960 Hours

1 Week = 30 Hours

S. No.	Deptt./Unit	No. of Week	Total Hours
1	Orthopedic Ward	8	240 Hours
2	Orthopedic Operation theatre	4	120 Hours
3	Neurosurgical Ward	2	60 Hours
4	Orthopedic O.P.D.	4	120 Hours
5	Casualty/Emergency and Trauma	4	120 Hours
6	Rehabilitation Units	2	60 Hours

7	Physiotherapy Unit	4	120 Hours
8	Paediatric /paediatric surgery unit	2	60 Hours
9	Field Visit	2	60 Hours
	Total	32 Weeks	960 Hours

Procedures Observed

1.X Ray

2.Ultrasound

3.MRI

4.C T Scan/bone scan

5.Arthroscopy

6.Electrothermally – assisted capsule shift or ETAC (Thermal

capsulorrhaphy)

7.Fluroscopy

8. Electromyography

9. Myelography

10. Discography

11.Others

Procedures Assisted

- 1. Blood Transfusion
- 2. IV cannulation and therapy
- 3. Ventilation
- 4. Various types of tractions
- 5. Orthopedic surgeries Arthrocentesis, Arthroscopy, Bone lengthening, Arthrodesis,grafting,Fracturesfixation,reconstructive, reimplantation, replantation, spinal decompression, transplantation of bone, muscle or articular cartilage, autografting, allografting.
- 6. Injection Intra articular, intra osseous.
- 7. Advance Life Support

Procedures Performed

- 1. Interpretation of X ray films.
- 2. Application and removal of splints, casts, and braces.
- 3. Care of tractions skin and skeletal traction, pin site care.
- 4. Cold therapy.
- 5. Heat therapy
- 6. Hydrotherapy
- 7. Therapeutic exercises
- 8. Use of TENS (Transcutaneous electrical nerve stimulation)
- 9. Techniques of transportation
- 10. Crutch walking, walkers, wheel chair.
- 11. Use of devices for activities of daily living and prevention of deformities.
- 12. Administration of drugs: IV injection, IV cannulation, and Blood transfusion.
- 13. Procedures for prevention of infections: disinfection and sterilization, surveillance, fumigation.
- 14. Special skin/ part preparations for orthopedic surgeries.

- Surgical dressings Debridement.
 Bladder and bowel training

Other Procedures

Dr D Y Patil College of Nursing M Sc Nursing Evaluation criteria for Case study

Name of the student: Topic: Date of submission:

Sr No	Criteria	Marks allotted	Marks obtained
1	Assessment	05	
2	Theoretical knowledge about disease	05	
3	Comparative study of patient's disease & book picture	10	
4	Management: Medical/surgical	05	
5	Nursing process	15	
6	Drug study	03	

7	Summary & conclusion	05	
	including research evidence		
8	Bibliography	02	
	Total	50	

Remark

Signature of student Date Signature of evaluator Date

Dr D Y Patil College of Nursing M Sc Nursing Evaluation criteria for Care Plan

Name of the student: Topic: Date of submission:

Field of placement:

Sr No	Criteria	Marks allotted	Marks obtained
1	Assessment	12	
2	Nursing diagnosis	3	
3	Goal	2	
4	Outcome criteria/Objective	2	
5	Nursing intervention	15	
6	rationale	03	

7	Evaluation	03	
8	Nurses notes	10	
	Total	50	

Remark

Signature of student Date Signature of evaluator Date

Dr D Y Patil College of Nursing M Sc Nursing Evaluation criteria for Case presentation

Name of the student: Name of the patient: Diagnosis: Ward: Date of presentation:

Sr No	Criteria	Marks allotted	Marks obtained
1	Subjective & objective data	08	
2	Problem & need identified &	15	

	nursing care plan		
3	Effectiveness of presentation	05	
4	Corelation with patient & book, research evidence	10	
5	Use of A. V. aids	05	
6	Physical arrangement	02	
7	Group participation	03	
8	Bibliography	02	
	Total	50	

Remark

Signature of student Date Signature of evaluator Date

DR.D.Y.PATI COLLEGE OF NURSING BHOSARI , PUNE-18.

EVALUATION CRITERIA FOR SEMINAR PRESENTATION

Subject:	
	Date:
Name of student:	Time:
Group:	Maximum Marks: 100

S.No.	Criteria		Rating				Remarks		
		1	2	3	4	5	-		
1.	Content								
	Introduction								
2.	Organization of Content								
3.	Presentation of topic								
4.	Relevant examples								
5.	Relevant statistical data								
6.	Group participation								
7.	Control of group								
8.	AV Aids:								
	Appropriate to subject								
9.	Proper use of A/V Aids								
10.	Self explanatory								
11.	Attractive								
12.	Planning and preparation								
13.	Use of Modern technology								
14.	Physical facilities:								
	Environment								
15.	Classroom preparation								
16.	Over lay out								
17.	Personal Appearance:								

	Voice & clarity			
18.	Mannerisms			
19.	Conclusion			
20.	References			

Remarks & signature of supervisor:

Signature of student:

DR. D. Y. Patil College of Nursing, Bhosari, Pune-18

M. Sc. Nursing

Evaluation Criteria for Written Assignment

Total Marks = 25

S.N.	Criteria	Marks
1.	Content	10
2.	Organization	05
3.	Resources used	03
4.	Completeness	03
5.	Neatness	02
6.	Bibliography	02
	Total	25

Remarks: -

Total:-

Date & Signature of the Evaluator:

Date & Signature of the student

CLINICAL EVALUATION: - COMPREHENSIVE NURSING CARE

(Maximum Marks – 100 each area)

Name of the students

Year :- II semester M.Sc Nursing

Duration of Experience :

SR.No.	Criteria	1	2	3	4	5
I	Understanding of patient as person					
	A.Approach					
	1.Rapport with patient / family members.					
	2.Collects significant information					
	B.Understanding of patient's health problems.					
	1.knowledge about disease condition.					
	2.knowledge about investigations.					
	3.knowledge about treatment.					
	4.knowledge about progress of the patient.					
II	Nursing care plan					

	A.Assessment of the condition of the patient .			
	1. History taking –past & present health and illness			
	2.specific observation of the patient			
	3.Nursing diagnosis			
	B.Development of the short – term & long term nursing care plans.			
	1.Indentification of all problems in the patient family.			
	2.Priritization 7 implementation of the plans.			
	3.Evaluation of the care given & re-planning			
111	Technical skill			
	1. Economical & safe adaptation to the situation & available facilities.			
	2.Implements the procedure with skill speed & completeness.			
IV	Recording & Reporting			
	1.Prompt, Precise, accurate & relevant.			
	2.Maintanance of clinical experience file.			
V	Health Teaching			
	1.Incidental/ Planned teaching with principles of teaching & learning.			
	2. Uses visual aids appropriately			
VI	Personality			
	1.Professional appearance (Uniform, dignity, tact fullness			
	interpersonal relationship , ,Punctuality etc.			
	2.Sincerely, honesty & sense of responsibility			
	Total Marks			
Comments

Signature of student	signature of clinical supervisor
Evaluation Criteria:	
Evaluation Criteria:	
Theory:	
Unit test I	25 marks
Prefinal	75marks
Seminar (1)	100 marks each
Topic Presentation(1)	50 marks
Journal Presentation(1)	25 marks
Written assignment	25 marks
Total marks	300marks (send university out of 25)
Practical:	
Unit test I	25 marks
Prefinal	100 marks
Nursing procedure	50 marks

Clinical assignments

• Case study (2)	50x2=100
• Case presentation (2)	50x2=100
• Care plan (3)	50x3=150
• Clinical evaluation (2)	100x2=200
 Project work(1) 	100x1=100
Total marks	825marks (send university out of 100)

University Examination:

Theory: 75

Practical: 100

References:-

Books :-

- 1. B.T. Basavanthappa (2005); Orthopedic for Nurses; 1st ed; Jaypee Brobers, New Delhi
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- 8. Roger Dee & et al (1997); <u>Principles of orthopedic</u> Practice; 2nd ed; Mcgraw Hill
- 9. Ronald MaRae '<u>Clinical Orthopedic Examination</u>' 5th edition, Churchill Livingstone, 2004
- 10. Segelov's Philip M. ' Complications of Fractures and Dislocation,' 1st Edition 1990, champion and Hall Publications.
- 11. S. Perrycanale ed; (2003); Cambell's Operative Orthopedics; 10th ed; Mosby
- 12. Wood Lovell and Robert Winter (1978); <u>Pediatric Orthopedics</u>; Vol. I & II; J.B. Lippincott Co.

-

Journals:-

18. Journals of Bone and Joint Surgery - British

American

- 19. Clinical Orthopedic and Related Research
- 20. The Journal of Trauma, Injury, Infection and Critical Care
- 21. Journal Of Pediatric Orthopedics
- 22. Journal of orthopedic nursing

CLINICAL SPECIALITY - II

MEDICAL SURGICAL NURSING - GASTRO ENTEROLOGY NURSING

Placement : III Semester- T-75 hrs (I-VII unit)

Practical- 150 hrs

IV Semester- T-75 hrs (VIII- XIII unit)

Practical-810 hrs

Hours of Instruction Theory: 150 hours: C-3 Practical: 960 hours: C-16 Total: 1100 hours: C-19

Course Description

This course is designed to assist students in developing expertise and in- depth understanding in the field of gastro enterology Nursing. It will help students to develop advanced skills for nursing intervention in various gastro enterology conditions. It will enable the student to function as gastro enterology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of gastro enterology nursing

Objectives

At the end of the course the students will be able to

1. Appreciate trends and issues related to gastro enterology nusing

2. Describe the epidemiology, etiology, pathophysiology and diagnostic

Assessment of gastrointestinal conditions

3. Participate in national health programs for health promotion prevention and rehabilitation of patients with gastrointestinal conditions

4. Perform physical, psychosocial & spiritual assessment

5. Assist in various diagnostic, therapeutic and surgical procedures

6. Provide comprehensive care to patient with gastrointestinal conditions

7. Describe the various drugs used in gastrointestinal conditions and nurses responsibility

8. Demonstrate skill in handling various equipments/gadgets used for patients with gastrointestinal conditions

9. Appreciate team work & coordinate activities related to patient care.

10. Practice infection control measures.

11. Identify emergencies and complications & take appropriate measures

12. Assist patients and their family to cope with emotional distress, grief,

anxiety and spiritual needs

13. Discuss the legal and ethical issues in GE nursing

14. Identify the sources of stress and manage burnout syndrome among

health care providers

15. Appreciate the role of alternative system of medicine in care of patient

16. Incorporate evidence based nursing practice and identify the areas of

research in the field of gastrointestinal nursing

17. Teach and supervise nurses and allied health workers.

18. Design a layout of Gastro entrology intensive care unit (GEICU) , liver

care/transplant unit

Course Content

Unit	Hours	Content
1	5	INTRODUCTION Historical development: trends and issues in the field of gastro enterology. Gastro enterological problems Concepts, principles and nursing perspectives Ethical and legal issues Evidence based nursing and its application in gastrointestinal nursing(to be incorporated in all the units)
11	5	EPIDEMIOLOGY Risk factors associated with GE conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations Health promotion, disease prevention, life style modification and its implications to nursing National health programmes related to gastro enterology Alternate system of medicine/complementary therapies

111	5	REVIEW OF ANATOMY AND PHYSIOLOGY OF GASTROINTESTINAL SYSTEM
		Gastrointestinal system
		Liver, biliary and pancreas
		Gerontologic considerations
		Embryology of GI system
		Immunology specific to GI system

IV	15	ASSESSMENT AND DIAGNOSTIC MEASURES
		History taking
		Physical assessment, psychosocial assessment
		Diagnostic tests
		• Radiological studies:Upper GIT- barium swallow, lower GIT-
		Barrium enema,
		• Ultra sound:
		Computed tomography
		• MRI
		Cholangiography: Percutaneous transheptatic
		Cholangiogram(PTC)
		Magnetic Resonance Cholangio pancreotography (MRCP)
		 Nuclear imaging scans(scintigraphy)
		• Endoscopy
		Colonoscopy
		Proctosigmoidoscopy
		Endoscopic Retrogrde Cholongio pancreotography (ERCP)
		Endoscopic ultrasound
		Peritonoscopy(Laproscopy)
		Gastric emptying studies
		Blood chemistries: Serum amylase, serum lipase
		Liver biopsy
		Miscellaneous tests:Gastric analysis, fecal analysis
		Liver function tests: Bile formation and excretion, dye excretion

-	1	۱ ۱
		test, Protein metabolism, haemostatic functions- prothrombin
		vitamin K production, serum enzyme tests,Lipid metabolism-
		serum cholesterol
		Interpretation of diagnostic measures
		Nurse's role in diagnostic tests
V	25	GASTRO INTESTINAL DISORDERS AND NURSING MANAGEMENT
		Etiology, clinical manifestations, diagnosis, prognosis, related
		pathophysiology, medical, surgical and nursing management of
		• Disorders of the mouth:Dental caries,Peridontal disease,Acute
		tooth infection, Stomatitis, Thrush (moniliasis), Gingivitis,
		Leukoplakia, Inflammation of the parotid gland, Obstruction to
		the flow of saliva,Fracture of the jaw
	I	

ıx oesophagitis, Oesophageal
liatus hernia, Diverticulum
denum: Gastritis, Peptic
od poisoning, idiopathic
ching syndrome, Ideopathic
ation syndrome, Functional
inctional) abdominal pain
cal sprue
Coeliac disease)
nes and abdomen,:
nal obstruction,
polyposis syndrome
ease, Ulcerative colites,
rm infestations, Typhoid,
diarrhoea, constipation,
ice, Irritable bowel
nstipation, Functional
Anal fissure, Anal fistula,

		Abscess, Strictures, Rectal prolapse, Pruritis ani, Pelonidal disease,
		Anal condylomas, Warts
VI	15	DISORDER OF LIVER, PANCREAS GALL BLADDER AND NURSING MANAGEMENT
		Disorders of liver biliary tract:
		Viral Hepatitis – A, B, C, D & E
		Toxic hepatitis
		Cirrhosis of liver, liver failure, Liver transplantation
		Non cirrhotic portal fibrosis
		• Liver abscess,;
		 Parasitic and other cysts of the liver
		• Disorders of the Gall Bladder and Bile Duct:
		Cholecystitis
		Cholelitheasis
		Choledocholilethiasis
		Disorders of the pancreas: Pancreatitis,
		Benign tumors of islet cells
		Disorders of the Peritoneum
		Infections of the peritoneum
		Surgical peritonitis
		Spontaneous bacterial peritonitis
		Tuberculosis peritonitis
		Disorders of the Diaphragm

		Diaphragmatic hernia
		• Congenital hernias
		 Paralysis of diaphragm
		 Tumors of the diaphragm
		Hiccups
VII	5	ADMINISTRATION AND MANAGEMENT OF GE UNIT
		 Design & layout Staffing, Equipment, supplies, Infection control; Standard safety measures Quality Assurance:-Nursing audit –records /reports, Norms, policies and protocols Practice standards
VIII	15	GASTRO INTESTINAL EMERGENCIES AND NURSING INTERVENTIONS
		Etiology, clinical manifestations, diagnosis, prognosis, related
		pathophysiology, medical, surgical and nursing management of:
		• Esophageal varices,
		Ulcer perforation,
		Acute cholecystitis
		• Diverticulitis
		• Fulminant hepatic failure
		Biliary obstruction
		Bowel obstruction
		Gastroenteritis

Acute intestinal obstruction, perforation
Acute pancreatitis
Cirrhosis of liver complications
• Liver , spleen, stomach pancreatic, mesenteric, bowel and
greater vessel injuries
Acute appendicitis /peritonitis
• Acute abdomen
• Food poisoning

IX	15	CONGENITAL ANOMALIES OF ESOPHAGUS
		• Esophageal atresia
		Tracheo esophageal fistula
		Esophageal stenosis
		Esophageal duplications
		Dysphagia – Lusoria – aberrent right subclavian artery
		compressing esophagus
		Esophageal rings – schalzkiring
		Esophageal webs
		 Congenital Anomalies of Stomach Gastric atresia
		• Micro gastria
		Gastric diverticulum
		Gastric duplication
		• Gastric teratoma
		Gastric volvulus
		Infantile hypertrophic pyloric stenosis
		Adult hypertrophic pyloric stenosis
		 Congenital Anomalies of Duodenal Duodenal Atresia or stenosis
		• Annular pancreas
		Duodenal duplication cysts
		 Malrotation and mid gut volvolus

		 Developmental anomalies of the intestine: Abdominal wall defects (omphalocele and Gastroschisis)
		• Meckel's diverticulum
		Intestinal atresia
		Hirschsprung's disease
Х	15	PHARMO KINETICS
		 Drugs used in GIT
		 Principles of administration
		 Roles responsibilities of nurses Drugs in Pontic ulser disease
		 Drugs in Peptic ulcer disease Proton Pump inhibitors
		 H2 Receptor Antagonists
		 Cytoprotective Agents:
		 Drugs used in Diarrhea
		 Drugs used in constipation
		 Drugs used in Inflammatory Bowel Disease
		 Aminosalicylates
		 Corticosteroids
		 Immunomodulators

		- chomothoromy			
		 chemotherapy Antibiotics 			
		• Antiemetics:			
		 Anticholinergics 			
		• Antihistaminics			
		 Antihelminthics 			
		 Vitamin Supplements 			
XI	10	NUTRITION AND NUTRITIONAL PROBLEMS RELATED TO GI SYSTEM			
		 Nutritional assessment and nursing interventions 			
		 Therapeutic diets 			
		 Adverse reactions between drugs and various foods 			
		 Malnutrition- etiology , clinical manifestations and 			
		management			
		• Tube feeding, parenteral nutrition, total parenteral nutrition			
		 Obesity- etiology, clinical manifestations and management 			
		 Eating disorders- anorexia nervosa, bulimia nervosa 			
		 Recent advances in nutrition 			
XII	15	MALIGNANT DISORDERS OF GASTRO INTESTINAL SYSTEM			
		 Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical, other modalities and nursing 			
		management of:			
		 Malignancy of oral cavity ,Lip,Tongue,buccal mucosa, 			
		oropharynx, Salivary gland			
		oropharynx, Salivary gland			
		oropharynx, Salivary gland • Esophageal , Gastric , Carcinoma of bowel - Small bowel,			
		oropharynx, Salivary gland • Esophageal , Gastric , Carcinoma of bowel - Small bowel, Colorectal and Anal carcinoma,			
XIII	5	oropharynx, Salivary gland • Esophageal , Gastric , Carcinoma of bowel - Small bowel, Colorectal and Anal carcinoma,			
XIII	5	oropharynx, Salivary gland • Esophageal , Gastric , Carcinoma of bowel - Small bowel, Colorectal and Anal carcinoma, • Liver, biliary tract and Pancreatic carcinoma EDUCATION AND TRAINING IN GE CARE			
XIII	5	oropharynx, Salivary gland • Esophageal , Gastric , Carcinoma of bowel - Small bowel, Colorectal and Anal carcinoma, • Liver, biliary tract and Pancreatic carcinoma EDUCATION AND TRAINING IN GE CARE			

Clinical teaching programs

Practical's

Total = 960 Hours

1 Week = 30 Hours

Sr.no.	Dept./Unit	No. of Week	Total Hours

1	Diagnostic labs	2	60 Hours
2	Emergency and casualty	3	90 Hours
3	Liver transplant unit	1	30 Hours
4	GE Medical Ward	6	180 Hours
5	GE Surgical Ward	8	240 Hours
6	OT	2	60 Hours
7	ICU	4	120 Hours
8	Pediatric gastroenterology	2	60 Hours
9	Oncology	2	60 Hours
10	GE OPD	2	60 Hours
	Total	32 Weeks	960 Hours

Procedures Assisted

1. Endoscopy room – Upper G.I. Endoscopy (Diagnotic and therapeutic).

- 2.Sigmoidoscopy
- 3.Colonoscopy
- 4.Polypectomy
- 5. Endoscopic retrograde cholangio pancreatiography (ERCP)
- 6.Liver biopsy
- 7. Percutaneous catheter drainage (PCD) of Pseudocyst pancreas
- 8. Abdominal paracentesis
- 9. Percutaneous aspiration of liver abscess
- 10. GE Lab : PT, HbsAg, Markers A, B, C virus, CBP, ESR, Stool Test
- **Procedures Performed**
 - 1. History and Physical assessment
 - 2. RT intubation / extubation / aspiration/suction
 - 3. Gastric lavage and gavage
 - 4. Bowel wash
 - 5. Therapeutic Diets
 - 6. Ostomy feeding
 - 7. Stoma care
 - 8. Monitoring vital parameters
 - 9. Plan of inservice education programme for nursing staff and Class-IV employees
 - 10. Counseling

Visit

1.Ostomy clinic.

2. National Nutrition institute

3. institute manufacturing commercial food products

4.whole sell market for grain and food storage

Dr D Y Patil College of Nursing M Sc Nursing Evaluation criteria for Case study

Name of the student: Topic: Date of submission:

Sr No	Criteria	Marks allotted	Marks obtained
1	Assessment	05	
2	Theoretical knowledge about disease	05	
3	Comparative study of patient's disease & book picture	10	
4	Management: Medical/surgical	05	
5	Nursing process	15	
6	Drug study	03	
7	Summary & conclusion including research evidence	05	
8	Bibliography	02	
	Total	50	

Remark

Signature of student Date Signature of evaluator Date

Dr D Y Patil College of Nursing M Sc Nursing Evaluation criteria for Care Plan

Name of the student: Topic: Date of submission:

Field of placement:

Sr No	Criteria	Marks allotted	Marks obtained
1	Assessment	12	
2	Nursing diagnosis	3	
3	Goal	2	
4	Outcome criteria/Objective	2	
5	Nursing intervention	15	
6	rationale	03	
7	Evaluation	03	
8	Nurses notes	10	
	Total	50	

Remark

Signature of student Date

Signature of evaluator Date

Dr D Y Patil College of Nursing M Sc Nursing Evaluation criteria for Case presentation

Name of the student: Name of the patient: Diagnosis: Ward: Date of presentation:

Sr No	Criteria	Marks allotted	Marks obtained
1	Subjective & objective data	08	
2	Problem & need identified & nursing care plan	15	
3	Effectiveness of presentation	05	
4	Corelation with patient & book, research evidence	10	
5	Use of A. V. aids	05	
6	Physical arrangement	02	

7	Group participation	03	
8	Bibliography	02	
Total		50	

Remark

Signature of student Date Signature of evaluator Date

DR.D.Y.PATI COLLEGE OF NURSING BHOSARI , PUNE-18.

EVALUATION CRITERIA FOR SEMINAR PRESENTATION

Subject:	
	Date:
Name of student:	Time:

Group:_____ Maximum Marks: 100

S.No.	Criteria		Rating				Remarks
		1	2	3	4	5	
1.	Content						

	Introduction			
2.	Organization of Content			
3.	Presentation of topic			
4.	Relevant examples			
5.	Relevant statistical data			
6.	Group participation			
7.	Control of group			
8.	AV Aids:			
	Appropriate to subject			
9.	Proper use of A/V Aids			
10.	Self explanatory			
11.	Attractive			
12.	Planning and preparation			
13.	Use of Modern technology			
14.	Physical facilities:			
	Environment			
15.	Classroom preparation			
16.	Over lay out			
17.	Personal Appearance:			
	Voice & clarity			
18.	Mannerisms			
19.	Conclusion			
20.	References			

Remarks & signature of supervisor:

Signature of student:

DR. D. Y. Patil College of Nursing, Bhosari, Pune-18

M. Sc. Nursing

Evaluation Criteria for Written Assignment

Total Marks = 25

S.N.	Criteria	Marks
1.	Content	10
2.	Organization	05
3.	Resources used	03
4.	Completeness	03
5.	Neatness	02

6.	Bibliography	02
	Total	25

Remarks: -

Total:-

Date & Signature of the Evaluator:

Date & Signature of the student

CLINICAL EVALUATION: - COMPREHENSIVE NURSING CARE

(maximum marks – 100 each area)

Name of the students

Year :- II semester M.Sc Nursing

Duration of Experience :

SR.No.	Criteria	1	2	3	4	5
I	Understanding of patient as person					
	A. Approach					
	1.Rapport with patient / family members.					
	2.Collects significant information					
	B.Understanding of patient's health problems.					
	1.knowledge about disease condition.					
	2.knowledge about investigations.					
	3.knowledge about treatment.					
	4.knowledge about progress of the patient.					
П	Nursing care plan					
	A.Assessment of the condition of the patient .					
	1. History taking –past & present health and illness					
	2.specific observation of the patient					
	3.Nursing diagnosis					

	Total Marks			
	2.Sincerely, honesty & sense of responsibility			
	interpersonal relationship , ,Punctuality etc.			
	1. Professional appearance (Uniform, dignity, tact fullness			
VI	Personality			
	2.Uses visual aids appropriately			
	1.Incidental/ Planned teaching with principles of teaching & learning.			
V	Health Teaching			
	2.Maintanance of clinical experience file.			
	1.Prompt, Precise , accurate & relevant.			
IV	Recording & Reporting			
	2.Implements the procedure with skill speed & completeness.			
	1. Economical & safe adaptation to the situation & available facilities.			
	Technical skill			
	3.Evaluation of the care given & re-planning			
	2.Priritization 7 implementation of the plans.			
	1.Indentification of all problems in the patient family.			
	B.Development of the short – term & long term nursing care plans.			

Comments

Signature of student

Evaluation Criteria:

Theory:

Unit test I	25 marks
Prefinal	75 marks
Seminar (1)	100 marks each
Topic Presentation(1)	50 marks
Journal Presentation(1)	25 marks
Written assignment	25 marks
Total marks	300marks (send university out of 25)

Practical:

- Prefinal 100 marks
- Nursing procedure 50 marks

Clinical assignments

- Case study (2) 50x2=100
- Case presentation (2) 50x2=100
- Care plan (3) 50x3=150
- Clinical evaluation (2) 100x2=200

Project work(1) 100x1=100

Total marks

825marks (send university out of 100)

University Examination:

Theory: 75

Practical: 100

Bibliography

1. P.G.Mortan "Critical care NSG" 8th edition, 2005 Lippincott Williams and nel kins.

2. Sheree Comer Delumer's "Critical care NSG care plan" 2nd edition, 2005 Thomson. R.J. Vakil "Gastrontorolgy Dennis Kason".

3. Marvynsinger "OxFord Haudbook of Critical Care" 2nd edition, 2005 Oxford

University press. "M.S. Baird Manual of Critical Care" NSG 5th edition 2005 Elsevier.

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Jaya Kurvella "Essentials of oritical NSGJaypee Brothers Number 2007

5. Thresyamma, C.P "Operating Room Technique and Anesthesia for General Nursing

Course "2nd edition, Jaypee Brothers Medical Publisher.

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- 32. Black, J "Medical Surgical Nursing : Clinical Management for Positive outcomes", Vol-2,7th edition With CD-ROM, Saunders, Elsevier.
- 33. Behram, R "Nelson Textbook of Pediatric" 17th edition, Saunders.
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- 35. Smelter's "Brunner and Suddarths Textbook of Medical Surgical Nursing" 10th Edition ,With CD-ROM, Lippincott Williams.
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