



PRAVARA INSTITUTE OF MEDICAL SCIENCES

(DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736
NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M.Sc. Nursing

1. Amended vide Academic Council Resolution no. AC/2009/08 dated 15th January, 2009
2. Amended vide Academic Council Resolution no. AC/2016/03 dated 26th August, 2016
3. Amended Vide Academic Council Resolution no. AC / 2018/19/0-19 dated 14th March 2018
4. Amended Vide Academic Council Resolution no. AC / 2020/D-13(iii) dated 11th December 2020

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Mission

The mission of Pravara Institute of Medical Sciences, is to advance, disseminate and apply knowledge of Health Sciences, to prevent, cure diseases and promote health of the people at large through need based, problem based learning and innovation guided by the aspirations of the communities. We pursue our mission with both excellence and compassion; because for whom we serve deserve nothing less.

Philosophy

The development of post graduate programme in Nursing, based on application of principles of Modern Health Sciences, including Research, which can help in the improvement of the quality of Nursing Education and Practice in India.

PIMS, College of Nursing believes that:

Post Graduate programme is essential to prepare nurses to improve the quality of nursing education and practice in India.

Post graduate programme in nursing builds upon and extends competence acquired at the graduate levels, emphasizes application of relevant theories into nursing practice, education, administration and development of research skills.

The programme prepares nurses for leadership position in nursing and health fields who can function as nurse specialists, consultants, educators, administrators and researchers in a wide variety of professional settings in meeting the National priorities and the changing needs of the society.

This programme provides the basis for the post masteral programme in nursing. Further the programme encourages accountability and commitment to lifelong learning which fosters improvement of quality care.

Aim

The aim of the postgraduate program in nursing is to prepare graduates to assume responsibilities as nurse specialists, consultants, educators, administrators in a wide variety of professional settings.

Objectives

On Completion of two years of M Sc Nursing programme, the graduate will be able to:

1. Utilize/apply the concepts, theories and principles of nursing science
2. Demonstrate advance competence in practice of nursing.
3. Practice as a nurse specialist.
4. Demonstrate leadership qualities and function effectively as nurse educator and manager.
5. Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research.
6. Demonstrate the ability to plan and effect change in nursing practice and in the health care delivery system.
7. Establish collaborative relationship with members of other disciplines
8. Demonstrate interest in continued learning for personal and professional advancement.

Eligibility Criteria/Admission Requirements:

1. The candidate should be a Registered Nurse and Registered midwife or equivalent with any State Nursing Registration Council.
2. The minimum education requirements shall be the passing of B Sc Nursing / B Sc Hons. Nursing / Post Basic B Sc Nursing with minimum of 55% aggregate marks.
3. The candidate should have undergone B Sc Nursing / BSc Hons. Nursing / Post Basic B Sc Nursing in an institution which is recognized by Indian Nursing Council.
4. Minimum one year of work experience after Basic BSc Nursing.
5. Minimum one year of work experience prior or after Post Basic BSc Nursing.
6. Candidate shall be medically fit.
7. 5% relaxation of marks for SC/ST candidates may be given.
8. Selection of the candidates shall be based on the merit in the common entrance examination.

Ragging

Ragging is totally banned within or outside the institution. Ragging is a criminal offense as per Supreme Court and Central / State Government directives. Anyone found guilty of ragging is liable to be punished appropriately as per "UGC regulation on curbing the menace of ragging in higher educational institutions, 2009."

Regulations for examination:

Eligibility for appearing for the examination: 80% attendance for theory and practical's. However 100% of attendance for practical before the award of degree is required.

Classification of results:

- 50% pass in each of the theory and practical separately.
 - 50-59% Second division
 - 60-74% first division
 - 75% and above is distinction
- For declaring the rank aggregate of 2 years marks to be considered
 - If the candidate fails in either practical or theory paper he/she have to re-appear for both the papers (theory and practical).
 - Maximum no. of attempts per subject is three (3) inclusive of first attempt. The maximum period to complete the course successfully should not exceed 4 years.
 - Candidate, who fails in any subject, shall be permitted to continue studies into the second year. However candidate shall not be allowed to appear for second year examination till such time that he/she passes all subjects of the first year M Sc nursing examination.

Practicals

- 4 hours of practical examination per student.
- Maximum number of 10 students per day per specialty
- The examination should be held in clinical area only for clinical specialties.
- One internal and external should jointly conduct practical examination.
- Examiner - Nursing faculty teaching respective specialty area in M Sc nursing programme with minimum 3 years' experience after M Sc nursing.

Dissertation

Evaluation of the dissertation should be done by the examiner prior to viva

Duration: Viva-voce :minimum 30 minutes per student

Guidelines for Dissertation

Tentative Schedule for dissertation

S No	Activities	Scheduled Time
1.	Submission of the research proposal	End of 9 th month of 1 st year
2.	Submission of dissertation Final	End of 9 th month of II nd Year

Note: - Administrative approval and ethical clearance should be obtained

Research Guides

a) Qualification of Guide

Specialtyguide: Nursing faculty / expert from the same clinical speciality holding Ph D / M Phil / M Sc with a minimum of 3 years' experience in teaching in the Post Graduate Programme in Nursing.

Research / Co-Guide: A research / Co-Guide is a nursing faculty/expert in the field of research / study (may be from outside the college but should be within the city)

b) Guide - Students Ratio

Maximum of 1:5 (including as co-guide)

c) Research Committee

There should be a research committee in each college comprising of minimum 5 members chaired by the Principal, College of Nursing.

Duration

Duration of the course is 2 years for M Sc (N)

Available	52 weeks
Vacation	4 weeks
Examination	2 weeks
Gazetted holidays	3 weeks
Total weeks available	43 weeks
40 hours per week	1720 hours

Course of Instruction: Total hours for 2 years = 3490 hours

1st year	Theory (hrs)	Practical (hrs)
Nursing education	150	150
Advance nursing practice	150	200
Nursing Research and statistics	150	100
*Clinical specialty	150	650
Universal Human Value & Personality Development- I		30
Total	600	1130
2nd Year		
Nursing Management	150	150
Nursing Research(Dissertation)		300
*Clinical SpecialtyII	150	950
Universal Human Value & Personality Development- II		30
Bioethics	30	
Total	330	1430
(Includes Educational visit 2 weeks)		

Clinical Specialty - Medical Surgical Nursing (Cardio Vascular & Thoracic Nursing, Critical care Nursing, Oncology Nursing, Neurosciences Nursing, Nephro-Urology Nursing, Orthopedic Nursing, Gastro Enterology Nursing) Obstetric &Gynecological Nursing, Child Health (Pediatric) Nursing, Mental Health(Psychiatric) Nursing, Community Health Nursing, Psychiatric (Mental Health) Nursing, etc.

Note: Students have to maintain log book for each activity during the course of study

Credit hours for M Sc Nursing Course

Total Theory & Practical Hours: 3490

Total Theory & Practical Credit hours: 147

SNo	Course	Theory hours [class and lab]	Credit hours	Practical hours [clinical]	Credit hours
	Master of Nursing				
A	First Year MSc Nursing	600	40	1130	37
B	Second Year M Sc Nursing	330	22	1430	48
Total Hours		930	62	2560	85

Note: Theory: 01 credit is equal to 15 hours; Practical / clinical: 01 credit is equal to 30 hours

Credit hours for I year M Sc nursing - Subject wise

Total Theory & Practical Hours: 1730 Total Theory & Practical Credit hours: 77

SNo	Subjects	Theory hours [class and lab]	Credit hours	Practical hours [clinical]	Credit hours
1	Nursing education	150	10	150	05
2	Advanced Nursing practice	150	10	200	07
3	Nursing Research and Statistics	150	10	100	03
4	Clinical specialty - I	150	10	650	21
5	Universal Human Value and Personality Development- I			30	01
Total hours		600	40	1130	37

Credit hours for II year M Sc nursing - Subject wise

Total Theory & Practical Hours: 1760 Total Theory & Practical Credit hours: 70

SNo	Subjects	Theory hours [class and lab]	Credit hours	Practical hours [clinical]	Credit hours
1	Nursing Management	150	10	150	05
2	Nursing Research(Dissertation)			300	10
3	Clinical specialty - II	150	10	950	32
4	Bioethics	30	02		
5	Universal Human Value and Personality Development- II			30	01
Total hours		330	22	1430	48

Note: Theory: 01 credit is equal to 15 hours, Practical/ clinical: 01 credit is equal to 30 hours

Scheme of Examination

Course	Theory			Practical		
	Hours	Internal	External	Hours	Internal	External
I year						
Nursing education	3	25	75		50	50
Advance nursing practice	3	25	75			
Nursing Research and statistics	3	25**	75*			
Clinical speciality -I	3	25	75		100	100
Total		100	300		150	150
II Year						
Nursing Administration	3	25	75			
Dissertation & Viva					100	100
Clinical Speciality-II	3	25	75		100	100
Total		50	150		200	200

* Nursing research=50 and statistics=25 **Nursing research=15 and statistics=10

1. Minimum pass marks shall be 50 % in each of the Theory and practical papers separately.
2. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing for examination.
3. A candidate must have 100% attendance in each of the practical areas before award of degree
4. A candidate has to pass in theory and practical exam separately in each of the paper.
5. If a candidate fails in either theory or practical paper he/she has to re-appear for both the papers (Theory and practical).
6. The candidates if fail in more than one/two subjects in any nursing programme they can be promoted to next year.
7. A candidate can take any number of attempts with a condition that maximum period allowed is as proscribed for each nursing programme, i.e. M.Sc. Nursing - 4 years.
8. However all papers need to be cleared before appearing in the final examination.
9. No candidate shall be admitted to the subsequent IInd year examination unless the candidate has passed the Ist year examination.
10. Maximum number of candidates for all practical examination should not exceed 10 per day.
11. Provision of Supplementary examination should be made.
12. All practical examinations must be held in the respective clinical areas.
13. One internal and One external examiners(outside the University) should jointly conduct practical examination for each student

14. An examiner should be M Sc (N) in concerned subject and have minimum of 3 (three) years post graduate teaching experience.
15. One internal and One external examiners(outside the University) should evaluate dissertation and jointly conduct viva-voce for each student
16. For Dissertation Internal examiner should be the guide and external examiner should be a nursing faculty/expert from same clinical specialty holding Ph D/ M Phil/ M Sc Nursing with a minimum of 3 years' experience in guiding the research projects for Post Graduate students of Nursing.

**Pravara Institute of Medical Sciences
University Examination
Question Paper Pattern
Course/ Year: First/ Second Year MSc Nursing**

Paper Title: Nursing Education, Advance Nursing Practice,
 Nursing Management, Clinical Speciality I & II

Marks: 75

- | | | | |
|-------------|------------------------|-------------------------|-------------|
| Question 1. | Long Answer Questions | (Any Two out of Three) | (2x15 = 30) |
| | a) b) c) | | |
| Question 2. | Short Answer Questions | (Any Two out of Three) | (2x10= 20) |
| | a) b) c) | | |
| Question 3. | Short Notes | (Any Five out of Seven) | (5x5 = 25) |
| | a) b) c) d) | | |
| | e) f) g) | | |

Pravara Institute of Medical Sciences
University Examination
Question Paper Pattern
Course/ Year: First Year MSc Nursing
Paper Title: Nursing Research and Statistics
Marks: 75

Section A: Nursing Research

- Question 1. Long Answer Questions (Any Two out of Three) (2x15 = 30)
a) b) c)
- Question 2. Short Notes (Any four out of five) (4x5= 20)
a) b) c) d) e)

Section B: Statistics

- Question 3. Short Answer Questions (Any Two out of Three) (2x10 = 20)
a) b) c)
- Question 4. Short Notes (Any one Out of Two) (1x5= 5)
a) b)



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SYLLABUS

PG Programme- M. Sc. Nursing - NURSING EDUCATION

Placement	:	First Year	
Course Code	:	MNU 101	
Teaching Hours	:	Theory	150 hours
	:	Practical	150 hours
Total	:	Total	300 hours
		Credit Hours	: 10
		Credit Hours	: 05
			: 15

Course Description

This course is designed to assist students to develop a broad understanding of Fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

Objectives

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

1. Explain the aims of education, philosophies, trends in education and health: its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing.
9. Demonstrate skill in guidance and counseling.
10. Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.

13. Discuss various models of collaboration in nursing education and services
14. Explain the concept, principles, steps, tools and techniques of evaluation
15. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude.

Course Content

Unit	Theory Hours	Content	Teaching Learning Methods	Evaluation
I	10	Introduction Must Know: 08 hrs <ul style="list-style-type: none"> • Education :Definition, aims, concepts, philosophies& their education implications • Impact of Social, economical, political & technological changes on education • Professional education, Educational reforms and National Educational policy, various educational commissions-reports 	Lecture Discussion Presentation Seminar	Short essay Short notes Long essay
		Desirable to Know: 02 hrs <ul style="list-style-type: none"> • Current trends and issues in education • Trends in development of nursing education in India 		
II	30	Teaching - Learning Process Must Know: 25 hrs <ul style="list-style-type: none"> • Concepts of teaching and learning: Definition, theories of teaching and learning, relationship between teaching and learning • Educational aims and objectives; types, domains, levels, elements and writing of educational objectives • Competency based education (CBE) and outcome based education (OBE) • Instructional design: Planning and designing the lesson, writing lesson plan: meaning, its need and importance, formats 	Lecture Discussion Seminar	Short notes Short essay Long essay

		<ul style="list-style-type: none"> • Instruction strategies - Lecture, discussion, demonstration, simulation, laboratory, seminar, panel, symposium, problem solving, problem based • Learning (PBL), workshop, project, role-play (sociodrama), clinical teaching methods, programmed instruction, micro teaching 		
		<p>Desirable to Know: 05 hrs</p> <ul style="list-style-type: none"> • Self-directed learning (SDL), computer assisted instruction(CAI), computer assisted learning (CAL) 		
III	10	<p>Instructional media and methods Must Know: 10 hrs</p> <ul style="list-style-type: none"> • Key concepts in the selection and use of media in education • Developing learning resource material using different media • Instructional Aids - types, uses, selection, preparation, utilization • Teacher's role in procuring and managing instructional Aids - Project and non-projected aids, multi-media, video-tele conferencing etc 	Lecture Discussion Seminar Presentation Preparation of teaching aids	Short notes Short essay Long essay
IV	10	<p>Measurement and evaluation Must know: 09 hrs</p> <ul style="list-style-type: none"> • Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement • Principles of assessment, formative and summative assessment-internal assessment external examination, advantages and disadvantages 	Lecture Discussion Seminar Exercise on writing different assessment tools	Short notes Short essay Long essay
		<p>Desirable to Know: 01 hr</p> <ul style="list-style-type: none"> • Criterion and norm referenced evaluation 		

V	12	Standardized and non-standardized tests Must Know: 10 hrs <ul style="list-style-type: none"> • Meaning, characteristics, objectivity, validity, reliability, usability, norms, construction of tests • Essay, short answer questions and multiple choice questions • Rating scales, checklist, OSCE/OSPE (Objective structured clinical/practical examination), Differential scales, summated scales, anecdotal record • Question bank-preparation, validation, moderation by panel, utilization • Developing a system for maintaining confidentiality 	Lecture Discussion Seminar Group activity Assignments	Short notes Short essay Long essay
		Desirable to Know: 02 hrs <ul style="list-style-type: none"> • Sociometry, attitude scale, critical incident technique 		
VI	8	Administration, Scoring and Reporting Must know: 8 hrs <ul style="list-style-type: none"> • Administering a test; scoring, grading versus marks • Objective tests, scoring essay test, methods of scoring, Item analysis 	Group activity Assignments	Short notes Short essay Long essay
VII	12	Standardized Tools Must know: 12 hrs <ul style="list-style-type: none"> • Tests of intelligence aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities 	Lecture Discussion Seminar	Short notes Short essay Long essay

VIII	5	Nursing educational programmes Must know: 04 hrs <ul style="list-style-type: none"> • Patterns of nursing education and training programmes in India. • Non-university and University programs: ANM, GNM, Basic BSc Nursing, Post Certificate B Sc Nursing, M Sc (N) programs, M Phil and PhD) in Nursing, post basic diploma programs, nurse practitioner programs 	Lecture Discussion Seminar Educational visit	Short notes Short essay Long essay
		Desirable to know: 01 hr <ul style="list-style-type: none"> • Perspectives of nursing education: Global and national 		
IX	10	Continuing Education in Nursing Must know: 08 hrs <ul style="list-style-type: none"> • Concepts - Definition, importance, need scope, principles of adult learning, assessments of learning needs, priorities, resources • Program planning, implementation and evaluation of continuing education programs 	Lecture Discussion Seminar Organization of Workshop	Short notes Short essay Long essay
		Desirable to know: 02 hrs <ul style="list-style-type: none"> • Research in continuing education, Distance education in nursing 		
X	10	Curriculum Development Must know: 08 hrs <ul style="list-style-type: none"> • Definition, curriculum determinants, process and steps of curriculum development, Curriculum models, Types and framework • Formulation of philosophy, objectives, selection and organization of learning experiences; master plan, course plan, unit plan • Evaluation strategies, process of curriculum change, role of students, faculty, administrators, 	Lecture Discussion Seminar Panel Discussion	Short notes Short essay Long essay

		statutory bodies and other stakeholders		
		Desirable to know: 02 hrs <ul style="list-style-type: none"> Equivalency of courses: Transcripts, credit system 		
XI	8	Teacher preparation Must know: 06 hrs <ul style="list-style-type: none"> Teacher - roles & responsibilities, functions, characteristics, competencies, qualities, Preparation of professional teacher Organizing professional aspects of teacher preparation programs 	Lecture Discussion Seminar Group activity	Short notes Short essay Long essay
		Desirable to know: 02 hrs <ul style="list-style-type: none"> Evaluation: self and peer Critical analysis of various programs of teacher education in India 		
XII	10	Guidance and counseling Must know: 08 hrs <ul style="list-style-type: none"> Concept, principles, need, difference between guidance and counseling, trends and issues Guidance and counseling services: diagnostic and remedial Coordination and organization of services Techniques of counseling: Interview, case work, characteristics of counselor, problems in counseling 	Lecture Discussion Seminar Group activity on counseling session	Short notes Short essay Long essay
		Desirable to know: 02 hrs <ul style="list-style-type: none"> Professional preparation and training for counseling 		

XIII	15	Administration of Nursing Curriculum Must know: 13 hrs <ul style="list-style-type: none"> • Role of curriculum coordinator - planning, implementation and evaluation • Concept of faculty supervisor (dual) position • Curriculum research in nursing • Different models of collaboration between education and service 	Lecture Discussion Group activity on curriculum planning	Short notes Short essay Long essay
		Desirable to know: 02 hrs <ul style="list-style-type: none"> • Factors influencing faculty staff relationship and techniques of working together • Evaluation of educational programs in nursing course and program 		
XIV	10	Management of nursing educational institutions Must know: 10 hrs <ul style="list-style-type: none"> • Planning, organizing, staffing, budgeting, recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel 	Lecture Discussion Seminar Educational field visit	Short notes Short essay Long essay
XV	5	Must know: 4 hrs <ul style="list-style-type: none"> • Development and maintenance of standards and accreditation in nursing education programs • Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University 	Lecture Discussion Seminar Educational field visit	Short notes Short essay Long essay
		Desirable to know: 01 hr <ul style="list-style-type: none"> • Role of Professional associations and unions 		



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SYLLABUS

PG Programme- M. Sc. Nursing –Advanced Nursing Practice

Placement	:	First Year		
Course Code	:	MNU 102		
Teaching Hours	:	Theory 150 hours	Credit Hours	: 10
	:	Practical 200 hours	Credit Hours	: 07
Total	:	350 hours		: 17

Course Description

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyse different theories of nursing and other disciplines.

Objectives

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

1. Appreciate and analyze the development of nursing as a profession.
2. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
3. Explain bio psycho social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Describe scope of nursing practice.
6. Provide holistic and competent nursing care following nursing process approach.
7. Identify latest trends in nursing and the basis of advance nursing practice.
8. Perform extended and expanded role of nurse.
9. Describe alternative modalities of nursing care.
10. Describe the concept of quality control in nursing.
11. Identify the scope of nursing research.
12. Use computer in patient care delivery system and nursing practice.
13. Appreciate importance of self-development and professional advancement.

Course Content

Unit	Theory Hours	Content	Teaching Learning Methods	Evaluation
I	10	Nursing as a Profession Must Know : 06 hrs <ul style="list-style-type: none"> • Characteristics, criteria of the profession • Code of Ethics(INC),Code of professional conduct • Role of regulatory bodies, Professional Organization and Unions self-defense • Quality Assurance in Nursing, Futuristic Nursing 	Lecture Discussion Presentation Seminar	Short notes Short essay Long essay
		Desirable to Know: 03 hrs <ul style="list-style-type: none"> • Autonomy and accountability, Assertiveness, • Legal Considerations, Individual and collective bargaining, Career opportunities 		
		Nice to Know: 01 hr <ul style="list-style-type: none"> • History of development of nursing profession • Perspective of nursing profession- National, Global role of research, leadership and management 		
II	05	Health care delivery Must Know: 03 hrs <ul style="list-style-type: none"> • Health care delivery system- National, State, District and local level • Major stakeholders in the health care system-Government, non-govt, • Industry and other professionals, role of non-governmental agencies • Telemedicine 	Lecture Discussion Clinical experience at Rural /Urban areas Seminar	Short notes Short essay Long essay
		Desirable to Know: 01 hr <ul style="list-style-type: none"> • Information, education and communication (IEC) • Political process vis a vis nursing profession, Health care delivery 		

		<p>concerns</p> <ul style="list-style-type: none"> National Health Policy 2017 Family Welfare programmes, Inter sectoral co-ordination 		
		<p>Nice to Know: 01 hr</p> <ul style="list-style-type: none"> Health care environment, economics, constraints, Planning process, policies 		
III	10	<p>Genetics</p> <p>Must Know: 06 hrs</p> <ul style="list-style-type: none"> Genetic testing-basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis and screening Ethical, legal and psychosocial issues in genetic testing, Genetic counseling, Practical application of genetics in nursing 	Lecture Discussion Seminar	Short notes Short essay Long essay
		<p>Desirable to Know: 02 hrs</p> <ul style="list-style-type: none"> Basic concepts of genes, Chromosomes and DNA Approaches to common genetic disorders 		
		<p>Nice to Know: 02 hrs</p> <ul style="list-style-type: none"> Review of cellular division, mutation and law of inheritance, Human genome project, The Genome era 		
IV	10	<p>Epidemiology</p> <p>Must Know: 07 hrs</p> <ul style="list-style-type: none"> Concepts of causation of disease and their screening, Application of epidemiology in health care delivery, Health Surveillance and health informatics, role of nurse 	Lecture Discussion Seminar	Short notes Short essay Long essay
		<p>Desirable to Know: 03 hrs</p> <ul style="list-style-type: none"> Scope, epidemiology approach and methods, Morbidity, Mortality 		
V	20	<p>Bio-Psycho social pathology</p> <p>Must Know: 15 hrs</p> <ul style="list-style-type: none"> Homeostatic mechanism, Oxygen insufficiency, Fluid and electrolyte imbalance 	Lecture Discussion Seminar Case study	Short notes Short essay Long essay

		<ul style="list-style-type: none"> Nutritional problems, Hemorrhage, Shock, Altered body temperature Unconsciousness, Sleep pattern and its disturbances, Pain, Sensory Deprivation, Biomedical waste management Cardiopulmonary resuscitation, role of nurse, Evidence based nursing practice, Best practices, Innovations in nursing 	Case Presentation	
		<p>Desirable to Know: 03 hrs</p> <ul style="list-style-type: none"> Pathophysiology and Psychodynamics of disease causation, Infection prevention (including HIV) and standard safety measures 		
		<p>Nice to Know: 02 hrs</p> <ul style="list-style-type: none"> Life processes, Biological and psycho social dynamics in causation of disease, life cycle, End of life care 		
VI	20	<p>Philosophy and Theories of Nursing Must Know: 17 hrs</p> <ul style="list-style-type: none"> Conceptual models, approaches Nursing Theories, Nightingale's, Henderson's, Roger's, Pepleau's, Abdellah's, Lewine's, Orem's, Johnson's, King's, Neuman's, Roy's, Watson, Parsee etc and its application, Health belief model's, Evidence based practice model 	Lecture Discussion Presentation Case study with Theory application	Short notes Short essay Long essay
		<p>Desirable to Know: 02 hrs</p> <ul style="list-style-type: none"> Values, Communication and management 		
		<p>Nice to Know (01 hr)</p> <ul style="list-style-type: none"> Concept of self-care 		
VII	10	<p>Nursing Process approach Must Know: 10 hrs</p> <ul style="list-style-type: none"> Health assessment-Illness status of patient/clients(individuals, family, community),Identification of health-illness problems, Health behaviors 	Lecture Discussion Seminar Case Study	Short notes Short essay Long essay

		<ul style="list-style-type: none"> • Sign and symptoms of clients, methods of collection, analysis and utilization of data relevant to nursing process • Formulation of nursing care plans • Health goals, Implementation, Modification and evaluation of care 		
VIII	25	Psychological aspects and Human relations Must Know: 18 hrs <ul style="list-style-type: none"> • Defense mechanisms, Group Dynamics, Organizational behavior, Sexuality and health, Stress and adaptation, Crisis and its intervention 	Lecture Discussion Seminar Group activity	Short notes Short essay Long essay
		Desirable to Know: 05 hrs <ul style="list-style-type: none"> • Communications Interpersonal relationships Individual and human needs • Growth and development (Conception through preschool, School age through adolescence, Young and Middle adult and Older adult) 		
		Nice to Know: 02 hrs <ul style="list-style-type: none"> • Human Behavior, Life processes, personality development <i>*Psychological aspects and human relations</i> <ul style="list-style-type: none"> • <i>Sharing bad news, Steps to deliver difficult news, Common responses to bad news, Collusion: Hiding information and communication with a dying child</i> 		
IX	10	Nursing practice Must Know: 08 hrs <ul style="list-style-type: none"> • Alternative modalities of care • Alternative systems and health and complimentary therapies • Extended and expanded role of the nurse in promotive, preventive, curative and restorative health care delivery system in community 	Lecture Discussion Seminar Case study Workshop	Short notes Short essay Long essay

		<p>and institutions.</p> <ul style="list-style-type: none"> • Independent practice issues- Independent nurse midwifery practitioner • Family Nursing • Home Nursing • Gender sensitive issues and women empowerment' • Disaster nursing • Geriatric considerations in nursing • Evidence based nursing practice • Best practices Transcultural Nursing • <i>*Epidemiology and nursing management of COVID 19 disease, Impact of COVID 19 pandemic on psychosocial health</i> 		
		<p>Desirable to Know: 02 hrs</p> <ul style="list-style-type: none"> • Health Promotion and primary health care • Collaboration issues and models- within and outside nursing 		
X	30	<p>Computer applications for patient care delivery system and nursing practice</p> <p>Must Know: 25 hrs</p> <ul style="list-style-type: none"> • Uses of computers in teaching, learning, research and nursing practice • Windows, MS office: Word, Excel, Power Point, Internet, Literature search <p>Desirable to Know: 05 hrs</p> <ul style="list-style-type: none"> • Statistical packages, Hospital management information system: software's 	Lecture Discussion Demonstration	Short notes Short essay Long essay

*** The above have been added under the heading "Psychological aspects and human relations Unit No.- VIII, and under Must Know category Unit No- IX" as per Academic Council Resolution No. AC/2020/D-13 (iii), dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736

NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing -Medical Surgical Nursing(Clinical Specialty - I)

Placement	:	First Year	
Course Code	:	MNU 104	
Teaching Hours	:	Theory 150 hours	Credit Hours : 10
	:	Practical 650 hours	Credit Hours : 21
Total	:	800 hours	: 31

Course Description

This course is common for the students undergoing clinical speciality-II in neuro science nursing/cardiovascular & thoracic nursing/critical care nursing/oncology nursing/orthopaedic and rehabilitation nursing/nephro & urology nursing, gastroenterology nursing/ geriatric nursing.

It is designed to assist students in developing expertise and in depth knowledge in the field of medical surgical nursing. It will help students to appreciate the patient as a holistic individual and develop skill to function as a specialized medical surgical nurse. It will further enable the student to function as educator, manager and researcher in the field of medical surgical nursing.

Objectives

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

1. Appreciate the trends & issues in the field of medical surgical nursing as a specialty.
2. Apply concepts & theories related to health promotion.
3. Appreciate the client as a holistic individual.
4. Perform physical, psychosocial assessment of medical surgical patients.
5. Apply nursing process in providing care to patients.
6. Integrate the concept of family centered nursing care with associated disorder such as genetic, congenital and long-term illness.
7. Recognize and manage emergencies with medical surgical patients.
8. Describe various recent technologies & treatment modalities in the management of critically ill patients.
9. Appreciate the legal & ethical issues relevant to medical surgical nursing.
10. Prepare a design for layout and management of medical surgical units.

11. Appreciate the role of alternative systems of medicine in care of patients.
12. Incorporate evidence based nursing practice and identify the areas of research in the field of medical surgical nursing.
13. Recognize the role of Nurse Practitioner as a member of the medical surgical health team.
14. Teach medical surgical nursing to undergraduate nursing students & in-service nurses.

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	05	Introduction Must Know: 03 hr <ul style="list-style-type: none"> • Historical development of medical surgical nursing in India • Current status of health and disease burden in India • Current concept of health • Trends & issues in medical surgical nursing • Ethical & cultural issues in medical surgical nursing 	Lecture Discussion Seminar	Short notes Short essay Long essay
		Desirable to Know: 01 hr <ul style="list-style-type: none"> • Rights of patients • National health policy, special laws & ordinances relating to older people • National goals 		
		Nice To know: 01 hr <ul style="list-style-type: none"> • Five year plans 		
II	20	Health Assessment of patients Must Know: 12 hrs <ul style="list-style-type: none"> • History taking, Physical examination of various systems 	Lecture Discussion Demonstration	Short notes Short essay Long essay Clinical exam
		Desirable to Know: 05 hrs <ul style="list-style-type: none"> • Nutritional assessment 		
		Nice To know: 03 hrs <ul style="list-style-type: none"> • Related investigations and diagnostic assessment 		

III	05	Care in hospital settings Must Know: 02 hrs <ul style="list-style-type: none"> Ambulatory care, Acute and critical care Long term care, Home health care 	Lecture Structured Discussion Field visit	Short notes Short essay Long essay
		Desirable to Know: 02 hrs <ul style="list-style-type: none"> Characteristics, care models, practice settings, interdisciplinary team Hospitalization- effects of hospitalization on the patient & family 		
		Nice To know: 01 hr <ul style="list-style-type: none"> Stressors & reactions related to disease process Nursing care using nursing process approach 		
IV	10	Management of patients with disorders of Gastro intestinal tract Must Know: 05 hrs <ul style="list-style-type: none"> Review of anatomy and physiology Common disorders- etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment - history taking, physical examination, investigation and diagnostic assessment 	Lecture Demonstration Structured Discussion Seminar	Short notes Short essay Long essay Clinical exam
		Desirable to Know: 03 hrs <ul style="list-style-type: none"> Treatment modalities and trends Nursing management 		
		Nice To know: 02 hrs <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 		
V	10	Management of patients with disorders of nervous system Must Know: 05 hrs <ul style="list-style-type: none"> Review of anatomy and physiology Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis Health assessment-History taking, physical examination, investigation 	Lecture Demonstration Structured Discussion Seminar	Short notes Short essay Long essay Clinical exam

		and diagnostic assessment		
		Desirable to Know: 03 hrs <ul style="list-style-type: none"> Treatment modalities and trends, Nursing management 		
		Nice To know: 02 hrs <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 		
VI	10	Management of patients with disorders of respiratory system Must Know: 05 hrs <ul style="list-style-type: none"> Review of anatomy and physiology Common Disorders - etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment - history taking, physical examination, Investigation and diagnostic assessment 	Lecture Demonstration Structured Discussion Seminar	Short notes Short essay Long essay Clinical exam
		Desirable to Know (03 hrs) <ul style="list-style-type: none"> Treatment modalities and trends, Nursing management 		
		Nice To know (02 hrs) <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 		
VII	10	Management of patients with disorders of cardio vascular system Must Know: 05 hrs <ul style="list-style-type: none"> Review of anatomy and physiology Common Disorders - etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment - history taking, physical examination, Investigation and diagnostic assessment 	Lecture Demonstration Structured Discussion Seminar	Short notes Short essay Long essay Clinical exam
		Desirable to Know (03 hrs) <ul style="list-style-type: none"> Treatment modalities and trends, Nursing management 		
		Nice To know (02 hrs) <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 		

VIII	10	Management of patients with disorders of blood Must Know: 05 hrs <ul style="list-style-type: none"> Review of anatomy and physiology Common Disorders- etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment - History taking, physical examination, Investigation and diagnostic assessment 	Lecture Demonstration Structured Discussion	Short notes Short essay Long essay Clinical exam
		Desirable to Know (03 hr) <ul style="list-style-type: none"> Treatment modalities and trends, Nursing management 		
		Nice To know (02 hr) <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 		
IX	10	Management of patients with disorders of genito urinary system Must Know: (05 hr) <ul style="list-style-type: none"> Review of anatomy and physiology Common disorders - etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment - history taking, physical examination, investigation and diagnostic assessment 	Lecture Demonstration Structured Discussion	Short notes Short essay Long essay Clinical exam
		Desirable to Know: (03 hr) <ul style="list-style-type: none"> Treatment modalities and trends, nursing management 		
		Nice To know (02 hr) <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 		
X	10	Management of patients with disorders of endocrine system Must Know : (05 hr) <ul style="list-style-type: none"> Review of anatomy and physiology Common disorders - etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment - history taking, 	Lecture Demonstration Structured Discussion Seminar	Short notes Short essay Long essay Clinical exam

		<p>physical examination, investigation and diagnostic assessment</p> <p>Desirable to Know: (03 hr)</p> <ul style="list-style-type: none"> Treatment modalities and trends, nursing management <p>Nice To know: (02 hr)</p> <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 		
XI	10	<p>Management of patients with disorders of musculo-skeletal system</p> <p>Must Know (05 hrs)</p> <ul style="list-style-type: none"> Review of anatomy and physiology Common disorders - etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment-history taking, physical examination, investigation and diagnostic assessment <p>Desirable to Know (03 hrs)</p> <ul style="list-style-type: none"> Treatment modalities and trends, nursing management <p>Nice To know (02 hrs)</p> <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 	Lecture Demonstration Structured Discussion Seminar	Short notes Short essay Long essay Clinical exam
XII	08	<p>Management of patients with disorders of integumentary system</p> <p>Must Know (04 hrs)</p> <ul style="list-style-type: none"> Review of anatomy and physiology Common Disorders - etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment-history taking, physical examination, investigation and diagnostic assessment <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> Treatment modalities and trends, nursing management <p>Nice To know (02 hrs)</p> <ul style="list-style-type: none"> Related research studies, Evidence 	Lecture Demonstration Structured Discussion	Short notes Short essay Long essay Clinical exam

		<p>based nursing practice</p> <ul style="list-style-type: none"> Rehabilitation and follow-up 		
XIII	05	<p>Management of patients with disorders of Eye and ENT Must Know (03 hrs)</p> <ul style="list-style-type: none"> Review of anatomy and physiology Common Disorders - etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment-history taking, physical examination, investigation and diagnostic assessment <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> Treatment modalities and trends, nursing management <p>Nice To know (01 hr)</p> <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 	<p>Lecture Demonstration Structured Discussion Seminar</p>	<p>Short notes Short essay Long essay Clinical exam</p>
XIV	08	<p>Management of patients with disorders of reproductive system Must Know (04 hrs)</p> <ul style="list-style-type: none"> Review of anatomy and physiology Common Disorders - etiology, patho physiology, clinical manifestations, complications, prognosis Health assessment-history taking, physical examination, Investigation and diagnostic assessment <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> Treatment modalities and trends Nursing management <p>Nice To know (02 hrs)</p> <ul style="list-style-type: none"> Related research studies, Evidence based nursing practice Rehabilitation and follow-up 	<p>Lecture Demonstration Structured Discussion</p>	<p>Short notes Short essay Long essay Clinical exam</p>
XV	08	<p>Geriatric nursing Must Know (03hrs)</p> <ul style="list-style-type: none"> Nursing assessment- history and physical assessment Ageing; demography, myths and realities 	<p>Lecture Demonstration Structured Discussion Presentation</p>	<p>Short notes Short essay Long essay Clinical exam</p>

		<ul style="list-style-type: none"> • Concepts and theories of ageing • Cognitive aspects of ageing, Normal biological ageing • Age related body systems changes, Psychosocial aspects of aging • Medications and elderly <p>Desirable to Know (03 hrs)</p> <ul style="list-style-type: none"> • Stress & coping in older adults • Common health problems & nursing management • Psychosocial and Sexual needs • Abuse of elderly • Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual • Role of nurse for caregivers of elderly • Role of family, formal and non-formal caregivers <p>Nice To know (02 hrs)</p> <ul style="list-style-type: none"> • Use of aids and prosthesis (hearing aids, dentures, legal & ethical issues • Provisions and programmes for elderly; privileges, Community Programs and health services, Home/ institutional care, Issues, problems and trends 		
XVI	08	<p>Management of patients with communicable and sexually transmitted diseases</p> <p>Must Know (04 hrs)</p> <ul style="list-style-type: none"> • Review of immune system • Common disorders of immune system - HIV/AIDS • Review of infectious disease process • Communicable diseases- etiology, patho physiology, clinical Manifestations, complications, prognosis • Health assessment-history taking, physical examination, investigation and diagnostic assessment 	Lecture Demonstration Structured Discussion	Short notes Short essay Long essay Clinical exam

		<p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Treatment modalities and trends, nursing management <p>Nice To know (02 hrs)</p> <ul style="list-style-type: none"> • Related research studies, Evidence based nursing practice • Rehabilitation and follow-up 		
XVII	08	<p>Emergency, trauma and multi-system organ failure</p> <p>Must Know (04 hrs)</p> <ul style="list-style-type: none"> • DIC (disseminated intravascular coagulation) • Trauma, burns, poisoning • Etiology, patho physiology, clinical manifestations, complications, prognosis, health assessment- history taking, physical examination, Investigation and diagnostic assessment <p>Desirable to Know (02 Hour)</p> <ul style="list-style-type: none"> • Treatment modalities and trends, nursing management <p>Nice To know (02 hour)</p> <ul style="list-style-type: none"> • Related research studies, Evidence based nursing practice • Rehabilitation and follow-up 	Lecture Demonstration Structured Discussion	Short notes Short essay Long essay Clinical exam



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736

NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing - Obstetrics and Gynecology Nursing (Clinical Specialty - I)

Placement	:	First Year		
Course Code	:	MNU 104		
Teaching Hours	:	Theory 150 hours	Credit Hours	: 10
	:	Practical 650 hours	Credit Hours	: 21
Total	:	800 hours		: 31

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of obstetric and gynecological nursing. It will help students to appreciate the client as a holistic individual and develop skill to function as an independent midwifery practitioner. It will further enable the student to function as educator, manager, and researcher in the field of obstetric and gynecological nursing

Objectives

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

1. Appreciate the trends in the field of midwifery, obstetrics and gynecology as a specialty
2. Describe the population dynamics and indicators of maternal and child health
3. Describe the concepts of biophysical, psychological and spiritual aspects of normal pregnancy, labor and puerperium
4. Provide comprehensive nursing care to women during reproductive period and newborns
5. Integrate the concepts of family centered nursing care and nursing process approach in obstetric and gynecological nursing
6. Identify and analyze the deviations from normal birth process and refer appropriately
7. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse
8. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation
9. Describe the role of various types of complementary and alternative therapies in

- obstetric and gynecological nursing
10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynecological nursing
 11. Describe the recent advancement in contraceptive technology and birth control measures
 12. Appreciate the legal and ethical issues pertaining to obstetric and gynecological nursing

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	10	<p>Introduction Must Know (7 hrs)</p> <ul style="list-style-type: none"> • Preventive obstetrics • National health and family welfare programmes related to maternal and child health: health care delivery system- National Rural health mission, role of NGO's • Theories, models and approaches applied to midwifery practice • Role and scope of midwifery practice: Independent Nurse midwifery practitioner • Legal and Ethical issues: Code of ethics and standards of midwifery practice, standing orders • Evidence based midwifery practice <p>Desirable to Know(3 hrs)</p> <ul style="list-style-type: none"> • Historical and contemporary perspectives • Epidemiological aspects of maternal and child health • Magnitude of maternal and child health problems • Issues of maternal and child health : Age, gender, sexuality, psycho socio cultural factors • Research priorities in obstetric and gynecological nursing 	Lecture Discussion Seminar	Short notes Short essay Long essay

II	15	<p>Human reproduction Must Know (10 hrs)</p> <ul style="list-style-type: none"> Review of anatomy and physiology of human reproductive system: male and female, hormonal cycles, Embryology <p>Nice To Know(5hrs)</p> <ul style="list-style-type: none"> Genetics, teratology and counseling, clinical implications 	Lecture Demonstration Structured Discussion	Short notes Short essay Long essay
III	25	<p>Pregnancy Must Know (25 hrs)</p> <ul style="list-style-type: none"> Maternal adaptation : Physiological, psychosocial Assessment – Maternal and foetal measures Maternal measures: History taking , examination-General, physical and obstetrical measure, identification of high risk Foetal measure- clinical parameters, biochemical- humanestriol, Maternal Serum Alfa Feto Protein, Acetyl Choline esterase (Ache), Triple Test Aminocentesis, Cordiocentesis, chorionic villus sampling (CVS) Biophysical – Radiological imaging, Foetal movement count, Ultra Sonography, Cardiotocography, cardiotomography, NonStress Test(NST), Contraction stress test(CST), amnioscopy, foetoscopy Interpretation of diagnostic tests and nursing implications Nursing management of the pregnant women, minor disorders of pregnancy and management, preparation for child birth and parenthood, importance of institutional delivery, choice of birth setting, importance and mobilizing of transportation, prenatal counseling, role of nurse and crisis intervention, 	Lecture Demonstration Structured Discussion Seminar	Short notes Short essay Long essay

		<p>identification of high risk pregnancy and refer</p> <ul style="list-style-type: none"> • Alternative/complementary therapies 		
IV	25	<p>Must Know (25 hrs)</p> <ul style="list-style-type: none"> • Normal Labour and nursing management: <ul style="list-style-type: none"> ○ Essential factors of labour, stages and onset • First stage: Physiology of normal labour <ul style="list-style-type: none"> ○ Use of partograph: principles, use and critical analysis, evidence based studies, ○ Analgesia and anaesthesia in labour • Second stage : Physiology, intrapartum monitoring <ul style="list-style-type: none"> ○ nursing management, resuscitation, immediate newborn care and initiate breastfeeding ○ Guidelines of National Neonatology Forum of India • Third stage : Physiology and nursing management • Fourth stage :Observation, critical analysis and nursing management <ul style="list-style-type: none"> ○ Various child birth practice: water birth, position change etc ○ Evidence based practice in relation to labour intervention ○ Role of nurse midwifery practitioner ○ Alternative/complementary therapies 	<p>Lecture Demonstration Structured Discussion Simulated practice Seminar</p>	<p>Short notes Short essay Long essay</p>
V	20	<p>Normal puerperium and nursing management</p> <p>Must Know (17 hrs)</p> <ul style="list-style-type: none"> • Physiology of puerperium • Physiology of lactation, lactation management, exclusive breast feeding, Baby friendly hospital 	<p>Lecture Demonstration Structured Case Discussion Seminar</p>	<p>Short notes Short essay Long essay</p>

		<p>initiative (BFHI)</p> <ul style="list-style-type: none"> • Assessment of postnatal women • Minor discomforts and complications of puerperium • Management of mothers during puerperium: Postnatal exercises Rooming in, bonding, warm chain • Role of nurse midwifery practitioner <p>Nice To Know (3 hrs)</p> <ul style="list-style-type: none"> • Evidence based studies, Alternative/complementary therapies 		
VI	20	<p>Normal Newborn Must Know (17 hrs)</p> <ul style="list-style-type: none"> • Physiology and characteristics of normal newborn • Needs, physical and behavioral assessment of newborn • Essential newborn care: Exclusive breast feeding, Immunization, Hygiene measures, nutrition, observation and care <p>Desirable To Know(3 hrs)</p> <ul style="list-style-type: none"> • Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU • Parenting process 	<p>Lecture Demonstration Supervised clinical practice Discussion Seminar</p>	<p>Short notes Short essay Long essay</p>
VII	10	<p>Pharmacodynamics in obstetrics Must Know (10 hrs)</p> <ul style="list-style-type: none"> • Drugs used in pregnancy, labour, post-partum and newborn • Calculation of drug dose and administration • Effects of drugs used • Anaesthesia and analgesia in obstetrics • Roles and responsibilities of midwifery nurse practitioner • Standing orders and protocols and use of selected life saving • Drugs and interventions of obstetric 	<p>Lecture Discussion Drug book Group activity</p>	<p>Short notes Short essay Long essay</p>

		emergencies by MOHFW		
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VIII	10	<p>Family welfare services Must Know (7 hrs)</p> <ul style="list-style-type: none"> • Population dynamics • Demography trends: vital statistics, calculation of indicators especially maternal and neonatal mortality rates and problems and other health problems • Recent advancement in contraceptive technology • Role of nurses in family welfare programmes in all settings • Role of independent nurse midwifery practitioner <p>Nice To Know (3 hrs)</p> <ul style="list-style-type: none"> • Family life education, Evidence based studies • Information, Education and Communication(IEC) • Management information and evaluation system (MIES) • Teaching and supervision of health team members 	Lecture Discussion Group project	Short notes Short essay Long essay
IX	05	<p>Infertility Must Know (5 hrs)</p> <ul style="list-style-type: none"> • Primary and secondary causes, diagnostic procedures • Counseling: ethical and legal aspects of assisted reproductive technology(ART) • Recent advancement in infertility management, Adoption procedures • Role of nurses in infertility management 	Lecture Structured Discussion Visit to specialty hospital	Short notes Short essay Long essay
X	05	<p>Menopause Must Know (5 hrs)</p> <ul style="list-style-type: none"> • Physiological, psychological and social aspects • Hormone Replacement Therapy, surgical menopause • Counseling and guidance, role of midwifery nurse practitioner 	Lecture Structured Discussion Seminar	Short notes Short essay Long essay

XI	05	Abortion Must Know (5 hrs) <ul style="list-style-type: none"> • Types, causes, legislations • Abortion procedures, complications, role of midwifery nurse practitioner, clinical rights and professional responsibility 	Lecture Structured Discussion Seminar	Short notes Short essay Long essay
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PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736

NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing –Child Health (Paediatric) Nursing (Clinical Specialty - I)

Placement	:	First Year	
Course Code	:	MNU 104	
Teaching Hours	:	Theory 150 hours	Credit Hours : 10
	:	Practical 650 hours	Credit Hours : 21
Total	:	800 hours	: 31

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of pediatric nursing. It will help students to appreciate the child as a holistic individual and develop skill to function as neonatal and pediatric nurse specialist. It will further enable the student to function as educator, manager, and researcher in the field of Pediatric nursing.

Objectives

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

1. Appreciate the history and developments in the field of pediatrics and pediatric nursing as a specialty
2. Apply the concepts of growth and development in providing care to the pediatric clients and their families
3. Appreciate the child as a holistic individual
4. Perform physical, developmental, and nutritional assessment of pediatric clients
5. Apply nursing process in providing nursing care to neonates & children
6. Integrate the concept of family centered pediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illness
7. Recognize and manage emergencies in neonates
8. Describe various recent technologies and treatment modalities in the management of high risk neonates
9. Appreciate the legal and ethical issues pertaining to pediatric and neonatal nursing
10. Prepare a design for layout and management of neonatal units

11. Incorporate evidence based nursing practice and identifies areas of research in the field of pediatric/neonatal nursing
12. Recognize the role of pediatric nurse practitioner and as a member of the pediatric and neonatal health team
13. Teach pediatric nursing to undergraduate students & in-service nurses

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	12	<p>Introduction Must Know (10 hrs)</p> <ul style="list-style-type: none"> • Historical development of pediatrics and pediatric nursing • Ethical and cultural issues in pediatric care • Role of pediatric nurse in hospital, community for prevention of illness • Current status of child health in India; national goals, Five year plans, national and international organizations related to child health, national health programs related to child health <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • Rights of children, special laws & Ordinance relating to children • Changing trends in pediatric nursing, child help lines in India <p>Nice to Know (01 hr)</p> <ul style="list-style-type: none"> • Philosophy of pediatric care 	<p>Lecture Discussion Seminar Quiz Health Camp visits</p>	<p>Short notes Short essay Long essay</p>
II	10	<p>Assessment of Pediatric Client Must Know (09 hrs)</p> <ul style="list-style-type: none"> • History taking, developmental assessment, physical assessment, • Nutritional assessment, nursing process in care of children <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • Family assessment 	<p>Lecture Demonstration Structured Discussion</p>	<p>Short notes Short essay Clinical assignments</p>
III	5	<p>Hospitalized Child Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Difference between child and 	<p>Lecture Demonstration Structured</p>	<p>Short notes Short essay Long essay</p>

		<p>adult care</p> <ul style="list-style-type: none"> • Meaning of hospitalization, preparation for hospitalization, effects of hospitalization on the child and family, role of family in child care • Nursing care of hospitalized child and family - principles and practices <p>Nice to Know (02 hrs)</p> <ul style="list-style-type: none"> • Stressors & reactions related to developmental stages • Play activities for ill / hospitalized child 	Discussion	
IV	10	<p>Pre - natal Pediatrics</p> <p>Must Know (09 hrs)</p> <ul style="list-style-type: none"> • Embryological and fetal development, prenatal factors influencing growth and development of fetus • Genetic patterns of common pediatric disorders, chromosomal aberrations, genetic assessment • Role of nurse in genetic counseling • Importance of prenatal care and role of pediatric nurse <p>Nice to Know (01 hrs)</p> <ul style="list-style-type: none"> • Legal and ethical aspects of genetic screening and counseling 	<p>Lecture</p> <p>Demonstration</p> <p>Structured Discussion</p> <p>Simulated practice</p> <p>Video assisted learning (VAL)</p>	<p>Short notes</p> <p>Short essay</p> <p>Long essay</p>
V	20	<p>Growth and Development of Children</p> <p>Must Know (12 hrs)</p> <ul style="list-style-type: none"> • Principles of growth and development • Factors affecting growth & development • Assessment of growth and development of pediatric clients • Growth monitoring • Development tasks and special needs from infancy to 	<p>Lecture</p> <p>Demonstration</p> <p>Structured Case Discussion</p> <p>Quiz</p>	<p>Short notes</p> <p>Short essay</p> <p>Long essay</p> <p>Clinical assignments</p>

		<p>adolescence, developmental milestones</p> <p>Desirable to Know (06 hrs)</p> <ul style="list-style-type: none"> • Concepts and theories of growth & development of biophysical psycho-social theories, psychosexual theories, moral development theories cognitive development theories spiritual theories <p>Nice to Know (02 hrs)</p> <ul style="list-style-type: none"> • Role of play in growth and development of children 		
VI	15	<p>Behavioral Pediatrics and Pediatric Nursing</p> <p>Must Know (10 hrs)</p> <ul style="list-style-type: none"> • Parent child relationship • Basic behavioral pediatric principles and specific behavioral pediatric concepts/ disorders, maternal deprivation, failure to thrive • Child abuse, the battered child, child guidance clinic <p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Common behavioral and social problem and their management 	<p>Lecture</p> <p>Demonstration</p> <p>Supervised clinical practice</p> <p>Discussion</p> <p>Field visits</p>	<p>Short notes</p> <p>Short essay</p> <p>Long essay</p>
VII	30	<p>Preventive Pediatrics and Pediatric Nursing</p> <p>Must Know (22 hrs)</p> <ul style="list-style-type: none"> • Concept, aims and scope of preventive pediatrics • Maternal health and its influence on child health antenatal aspects of preventive pediatrics • Mortality among children, MCH indicators, recent trends in MCH services • Indhradhanush, immunization, Universal Immunization Program and cold chain • Juvenile Laws in India (POSCO, Adoption, child abuse) • Nutrition and nutritional 	<p>Lecture</p> <p>Seminar</p> <p>Discussion</p> <p>Group activity</p> <p>Health camps</p>	<p>Short notes</p> <p>Short essay</p> <p>Long essay</p>

		<p>requirements of children</p> <ul style="list-style-type: none"> • Pattern of feeding, breast feeding, baby friendly hospital initiative, Artificial feeding, Weaning <p>Desirable to Know (08hrs)</p> <ul style="list-style-type: none"> • Fluid and electrolyte balance in children • Nutritional programs and welfare services • Health education, nutritional education for children 		
VIII	33	<p>Neonatal Nursing Must Know (26hrs)</p> <ul style="list-style-type: none"> • Neonatal resuscitation • New born baby-profile and characteristics • Assessment of new born, care of new born at birth • Organization of neonatal care, services (Levels), organization and management of nursing services in NICU • Planning, organization and management of level I, II and III NICU • Transport of the high risk neonate to NICU • Neonatal infections prevention and management • High risk new born - Identification, classification and management • Management of Neonatal problems, Low birth weight babies • Neonatal Hypoglycemia, Neonatal Hyper bilirubinemia, common metabolic problems, nutritional requirements, ventilation, thermo regulation <p>Management of Neonatal Problems</p> <ul style="list-style-type: none"> • Respiratory distress syndrome 	Lecture Discussion Case study Group project	Short notes Short essay Long essay Clinical assignments

		<p>&HMD, neonatal hypoglycemia, neonatal hyper bilirubinemia, common metabolic problems</p> <ul style="list-style-type: none"> • Nutritional requirements • Neonatal seizures, neonatal mechanical ventilation • Follow up care and assessment of high risk infants <p>Desirable to Know (07hrs)</p> <ul style="list-style-type: none"> • NICU and environment • Equipment and personnel management • High risk neonate – pre term and term neonate and growth retarded babies • Identification and classification of neonates with infection HIV and AIDS, ophthalmic neonatorum, congenital syphilis • Respiratory distress syndrome & HMD,neonatal seizures 		
IX	15	<p>IMNCI</p> <p>Must Know (04 hrs)</p> <ul style="list-style-type: none"> • Concept, rationale for an evidence based syndromes approach & Components • Principles of IMNCI & case management process • Principles of management of sick children in small hospital <p>Desirable to Know (08 hrs)</p> <ul style="list-style-type: none"> • Outpatient management of young infants age up to 2 months • Outpatient management of children age 2 months up to 5 years <p>Nice to Know (03 hrs)</p> <ul style="list-style-type: none"> • National Population policy 2000 • Re productive and child health 	<p>Lecture Structured Discussion Visit to specialty hospitals Project</p>	<p>Short notes Short essay Long essay</p>



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

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SYLLABUS

PG Programme- M. Sc. Nursing –Mental Health (Psychiatric) Nursing (Clinical Specialty – I)

Placement	:	First Year		
Course Code	:	MNU 104		
Teaching Hours	:	Theory 150 hours	Credit Hours	: 10
		: Practical 650 hours	Credit Hours	: 21
Total	:	800 hours		: 31

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of Psychiatric Nursing. It will help students to appreciate the client as a holistic individual and develop skill to function psychiatric nurse specialist. It will further enable the student to function as educator, manager, and researcher in the field of Psychiatric nursing.

Objectives

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

1. Appreciate the trends and issues in the field of psychiatry and psychiatric nursing.
2. Explain the dynamics of personality development and human behavior.
3. Describe the concepts of psychobiology in mental disorders and its implications for psychiatric nursing
4. Demonstrate therapeutic communications skills in all interactions
5. Demonstrate the role of psychiatric nurse practitioner in various therapeutic modalities
6. Establish and maintain therapeutic relationship with individual and groups
7. Uses assertive techniques in personal and professional actions
8. Promotes self-esteem of clients, others and self
9. Apply the nursing process approach in caring for patients with mental disorders
10. Describe the psychopharmacological agents, their effects and nurses role
11. Recognize the role of psychiatric nurse practitioner and as a member of the psychiatric and mental health team
12. Describe various types of alternative system of medicines used in psychiatric settings
13. Incorporate evidence based nursing practice and identifies areas of research in the field of psychiatric nursing

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	15	<p>Introduction Must Know (10 hrs)</p> <ul style="list-style-type: none"> • Mental health and mental illness, mental health laws / Acts • National mental health program - national mental health, authority, state mental health authority • Human rights of mentally ill, mental health / mental illness continuum • Standards of psychiatric nursing • Multi-disciplinary team and role of nurse • Role of psychiatric nurse-extended and expanded <p>Desirable to know (5 hrs)</p> <ul style="list-style-type: none"> • Classification of mental illnesses - ICD, DSM • Historical perspectives, challenges and scope of psychiatric nursing <p>Nice to know (1 hr)</p> <ul style="list-style-type: none"> • Trends, issues and magnitude, contemporary practices 	Lecture Discussion Panel discussion	Short notes Short essay Long essay
II	10	<p>Concepts of Psychobiology Must know (06 hrs)</p> <ul style="list-style-type: none"> • Nervous system: An anatomical review • Brain and limbic system, nerve tissue • Autonomic nervous system: neurotransmitters • Implications for psychiatric illness, implications for nursing <p>Desirable to know (03 hrs)</p> <ul style="list-style-type: none"> • Neuroendocrinology, pituitary, thyroid gland, circadian rhythms • Neuro psychiatric disorders <p>Nice to know (01hr)</p> <ul style="list-style-type: none"> • Genetics, psych -immunology, normal immune response 	Lecture Discussion Project work	Short notes Short essay Long essay

III	10	Theories of Personality Development and relevance to nursing practice Must know (10 hrs) <ul style="list-style-type: none"> • Psychoanalytic Theory- Freud's • Interpersonal theory-Sullivan's • Theory of psychosocial development-Erikson's • Theory of object relations • Cognitive development theory • Theory of moral development • A nursing model-Hildegard EPeplau 	Lecture Discussion Project work Panel discussion	Short notes Short essay Long essay
IV	05	Stress and its management Must know (05 hrs) <ul style="list-style-type: none"> • An introduction to the concepts of stress • Psychological Adaptation to stress • Stress as a Biological Response • Stress as an Environmental Event • Stress as Transaction between the Individual and the Environment. • Stress management 	Lecture Discussion Seminar	Short notes Short essay Long essay
V	10	Therapeutic communication and interpersonal relationship Must know (08 hrs) <ul style="list-style-type: none"> • Review communication process, factors affecting communication • Communication with individuals and in groups • Techniques of therapeutic communication-touch therapy • Dynamics of a therapeutic nurse-client relationship • Therapeutic use of self-gaining self-awareness • Therapeutic nurse-patient relationship its phases, conditions, essential to development of a therapeutic relationship • Therapeutic impasse and its management 	Lecture Discussion Skit Presentation History taking Process recording Clinical practice	Short notes Short essay Long essay

		Desirable to know (02 hrs) <ul style="list-style-type: none"> Barrier of communication with specific reference to psychopathology Therapeutic attitudes 		
VI	10	Assertive Training Must know (07 hrs) <ul style="list-style-type: none"> Assertive Communication Response patterns(non-assertive behavior, assertive behavior, aggressive behavior, passive aggressive behavior) Techniques that promote assertive behavior Thought stopping techniques, methods, role of nurse Desirable to know (02 hrs) <ul style="list-style-type: none"> Basic human Rights Nice to know (01hr) <ul style="list-style-type: none"> Behavioral components of assertive behavior 	Lecture Discussion Group activity Symposium Role play Supervised clinical practice	Short notes Short essay Long essay
VII	10	Promoting Self-Esteem Must know (08 hrs) <ul style="list-style-type: none"> Components of self-concept Development of self-esteem Manifestations of low self-esteem Role of nurse Desirable to know (02 hrs) <ul style="list-style-type: none"> Boundaries 	Lecture Discussion Self-directed learning Clinical practice	Short notes Short essay
VIII	05	Women and Mental Health Must know (05 hrs) <ul style="list-style-type: none"> Normal reaction to conception, pregnancy and puerperium Problems related to conception, pregnancy, puerperium and its management Counseling - Premarital, marital and genetic 	Lecture Discussion Seminar	Short notes Short essay Long essay
IX	10	The nursing process in psychiatric/mental health nursing Must know (06 hrs) <ul style="list-style-type: none"> Mental health assessment- history taking, mental status Examination : physical and 	Lecture Discussion Supervised clinical practice	Short notes Short essay Long essay

		<p>neurological</p> <ul style="list-style-type: none"> • Psychometric assessment, Nurse's role, documentation • Problem oriented recording • Focus charting, The PIE method <p>Desirable to know (03 hrs)</p> <ul style="list-style-type: none"> • Investigations, Diagnosis and Differential diagnosis • Interpretation of investigations <p>Nice to know (01 hr)</p> <ul style="list-style-type: none"> • Nursing case management, critical pathways of care 		
X	35	<p>Psycho social and physical therapies</p> <p>Must know (21 hrs)</p> <ul style="list-style-type: none"> • Individual therapy, behavioral therapy- relaxation therapy, cognitive therapy, positive negative reinforcement • Group therapy, family therapy, milieu therapy, occupational therapy • Therapeutic community, recreational therapy <p>Desirable to know (14 hrs)</p> <ul style="list-style-type: none"> • Ab-reactive therapy, play therapy, music therapy, light therapy, bio-feedback, guided imagery, color therapy, aroma therapy 	<p>Lecture Discussion Group work Practice session of various psychotherapy Clinical practice</p>	<p>Short notes Short essay Long essay</p>
XI	10	<p>Psychopharmacology</p> <p>Must Know: (07 hrs)</p> <ul style="list-style-type: none"> • Role of a nurse in psychopharmacological therapy • Antianxiety agents, antidepressants agents, mood stabilizers, antipsychotics • Sedative hypnotics, central nervous system stimulants <p>Desirable to know: (03 hrs)</p> <ul style="list-style-type: none"> • Historical perspectives, future developments 	<p>Lecture Discussion Drug book Group activity</p>	<p>Short notes Short essay Long essay</p>

XII	05	Electroconvulsive Therapy Must Know: (05 hrs) <ul style="list-style-type: none"> • Indications, contraindications, side effects • Risks associated with electro convulsive therapy (ECT) • Role of nurse in electro convulsive therapy • Mechanisms of action, historical perspectives 	Lecture Discussion Supervised Clinical practice	Short notes Short essay Long essay
XIII	15	Alternative systems of medicine in mental health Must Know: (08 hrs) <ul style="list-style-type: none"> • Types of therapies, herbal medicine, acupressure and acupuncture • Diet and nutrition, therapeutic touch and massage, Yoga Desirable to know: (05 hrs) <ul style="list-style-type: none"> • Homeopathic, Unani, Siddha Nice to know: (02 hrs) <ul style="list-style-type: none"> • Pet therapy, Chiropractic medicine 	Lecture Discussion Supervised Clinical practice Field visit	Short notes Short essay Long essay



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SYLLABUS

PG Programme- M. Sc. Nursing -Community Health Nursing (Clinical Specialty - I)

Placement	:	First Year	
Course Code	:	MNU 104	
Teaching Hours	:	Theory 150 hours	Credit Hours : 10
	:	Practical 650 hours	Credit Hours : 21
Total	:	800 hours	: 31

Course Description

The course is designed to assist students in developing expertise and in depth understanding in the field of community health nursing. It would help students to appreciate holistic life style of individuals, families & groups and develop skills to function as community health nurse specialist/practitioner. It would further enable student to function as an educator, manager and researcher in the field of community health nursing.

Objectives

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

1. Appreciate the history and development in the field of community health and community health nursing
2. Appreciate role of individuals and families in promoting health of the community
3. Perform physical, developmental and nutritional assessment of individuals, families and groups
4. Apply the concepts of promotive, preventive, curative and rehabilitative aspects of health while providing care to the people
5. Apply nursing process approach while providing care to individuals, families, groups and community.
6. Integrate the concepts of family centered nursing approach while providing care to the community
7. Recognize and participate in the management of emergencies, epidemics and disasters
8. Apply recent technologies and care modalities while delivering community health nursing care Appreciate legal and ethical issues pertaining to community health nursing care

9. Conduct community health nursing care projects
10. Participate in planning, implementation and evaluation of various national health and family welfare programs at local, state and the national level
11. Incorporate evidence based nursing practice and identify the areas of research in the community settings
12. Participate effectively as a member of community health team
13. Coordinate and collaborate with various agencies operating in the community by using inter-sect oral approach
14. Teach community health nursing to undergraduates, in-service nurses and the community health workers
15. Demonstrate leadership and managerial abilities in community health nursing practice.

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	10	<p>Introduction Must know: 07 hrs</p> <ul style="list-style-type: none"> • Current status, trends and challenges of community health nursing • Health status of community, ethical and legal issues • National policies, plans & programs • National health policy 2017 • National population policy • National Health & welfare programmes • National health goal/ indicators/ millennium developmental goals (MDG)/ strategies • Planning process: Five year plans, National Rural Health Mission <p>Desirable to know:02 hrs</p> <ul style="list-style-type: none"> • Historical development of community health and community health nursing- World and India • Various health and family welfare committees 	Lecture Discussion Seminar	Short notes Short essay Long essay

		<ul style="list-style-type: none"> • Scope of community health nursing practice Nice to know:01 hr <ul style="list-style-type: none"> • Socio-cultural issues in community health nursing 		
II	10	Health Must know: 05 hrs <ul style="list-style-type: none"> • Concepts, issues, determinants, measurements • Waste disposal • Eco system Desirable to know:03 hrs <ul style="list-style-type: none"> • Health economics, Health technology Nice to know:02 hrs <ul style="list-style-type: none"> • Alternate system for health promotion and management of health problems • <i>*Climate change and its impact on health</i> • <i>*Air pollution and its impact on health</i> • <i>*Heat wave and its impact on health</i> 	Lecture Discussion Panel discussion	Short notes Short essay Long essay
III	15	Population Dynamics and Control Must know: 13 hrs <ul style="list-style-type: none"> • Demography, transition and theories of population • National population policy, national population programs • Population control and related programs Desirable to know:02 hrs <ul style="list-style-type: none"> • Research, Census, National Family Health Survey • Method of family limiting and spacing 	Lecture Discussion Group project Survey	Short notes Short essay Long essay
IV	30	Community Health Nursing Must know: 17 hrs <ul style="list-style-type: none"> • Philosophy, aims, objectives, scope, principles, functions • Quality assurance: community health nursing standards, competencies, monitoring community health nursing, 	Lecture Discussion Demonstration Simulated practice Family case study	Short notes Short essay Long essay

		<p>nursing audits</p> <ul style="list-style-type: none"> • Health assessment- individuals, groups and community • Roles and responsibilities of community health nurse • Nursing care for special groups: children, adolescents, adults, women, elderly, physically and mentally challenged - urban and rural population at large • Community diagnosis, setting objectives <p>Desirable to know:10 hrs</p> <ul style="list-style-type: none"> • Community health nursing theories • Concept, role and responsibilities of community health nurse practitioners- decision making skills, follow nursing practice standards, advanced nursing practice, professionalism, legal issues • Family nursing and family health centered nursing approach <p>Nice to know:03 hrs</p> <ul style="list-style-type: none"> • Intervention: micro and nursing plans, operationalization and evaluation 		
V	45	<p>IMNCI Must know: 40 hrs Integrated management of neonatal and childhood illness:</p> <ul style="list-style-type: none"> • Concept, inequities in the Indian situation • Rationale for evidence-based syndrome approach • Components of the integrated approach • Principles of integrated care, case management process • Outpatient management of young infants • Learning objectives 	<p>Lecture Demonstration Structured case Discussion Field visit Case study</p>	<p>Short notes Short essay Long essay</p>

		<ul style="list-style-type: none"> • Assessment and treatment of sick young infants • Birth to 2 months and 2 months to 5 years • Skilled birth attendant (SBA) <p>Desirable to know:05 hrs</p> <ul style="list-style-type: none"> • Principles of management of sick children in a small hospital 		
VI	15	<p>Disaster Nursing Must know: 13 hrs</p> <ul style="list-style-type: none"> • Introduction: concept, definition • Types and phases of disaster • Disaster management: disaster response, disasterpreparedness and disaster mitigation • Epidemiological surveillance and disease control • Team approach, Intersectoral approach: vaccination, nutrition, and rehabilitation • Role of State and central Govt <p>Desirable to know:02 hrs</p> <ul style="list-style-type: none"> • Role of NGO • International assistance and collaboration 	Lecture Simulation Disaster drill Supervised clinical practice	Short notes Short essay Long essay
VII	10	<p>Information, Education and Communication Must know: 08 hrs</p> <ul style="list-style-type: none"> • IEC: principles and strategies, communication skills • Management information and evaluation system • Records and reports, information technology <p>Desirable to know:02 hrs</p> <ul style="list-style-type: none"> • Tele-medicine and tele-nursing, journalism • Mass media, folk media 	Lecture Seminar Discussion Group activity Health education	Short notes Short essay Long essay
VIII	15	<p>Health Care Delivery System: Urban and Rural Must know: 12 hrs</p> <ul style="list-style-type: none"> • Functions, staffing, pattern of assistance, layout, drugs, equipment and supplies: village, 	Lecture Discussion Case study Group project Field visit	Short notes Short essay Long essay

		<p>subcentre, primary health centre, community health centre, district hospitals, sub-divisional hospitals, district family welfare bureau and tertiary care institution</p> <ul style="list-style-type: none"> • Critical review of functioning of various levels, evaluation studies, recommendations and nursing perspectives • Health agencies: roles and functions <p>Desirable to know:03 hrs</p> <ul style="list-style-type: none"> • Alternative system of medicine • Training and supervision of health workers • Inter-sectoral coordination • Public private partnership 		
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*** The above have been added under the heading “Health Nice to Know category- Unit No II” as per Academic Council Resolution No. AC/2020/D-13 (iii), dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

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SYLLABUS

PG Programme- M. Sc. Nursing –Nursing Research and Statistics

Placement	:	First Year		
Course Code	:	MNU 103		
Teaching Hours	:	Theory 150 hours	Credit Hours	: 10
	:	Practical 100 hours	Credit Hours	: 03
Total	:	250 hours		: 13

Part-A: Nursing Research

Theory 100 hrs

Practical 50 hrs

Total : 150 hrs

Course Description

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General objectives

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

1. Define basic research terms and concepts.
2. Review literature utilizing various sources
3. Describe research methodology
4. Develop a research proposal.
5. Conduct a research study
6. Communicate research findings
7. Utilize research findings
8. Critically evaluate nursing research studies
9. Write scientific paper for publication

Course Content

Unit	Theory Hours	Content	Teaching Learning Methods	Evaluation
I	10	Introduction Must know: 10 hrs <ul style="list-style-type: none"> • Methods of acquiring knowledge – problem solving and scientific method • Research – definition, characteristics, purposes, kinds of research • Historical evolution of research in nursing, basic research terms • Scope of nursing research: areas, problems in nursing, health and social research, concept of evidence based practice, ethics in research • Overview of research process 	Lecture Discussion Group activity	Short notes Short essay Long essay
II	5	Review of Literature (ROL) Must know: 05 hrs <ul style="list-style-type: none"> • Importance, purposes, sources, criteria for selection of resources, steps in ROL 	Lecture Discussion Assignment	Short notes Short essay Long essay
III	15	Research Approaches and designs Must know: 15 hrs <ul style="list-style-type: none"> • Type: quantitative and qualitative, historical, survey and experimental – characteristics, types advantages and disadvantages • Qualitative: phenomenology, grounded theory, ethnography 	Lecture Discussion Assignment	Short notes Short essay Long essay
IV	10	Research problem Must know: 10 hrs <ul style="list-style-type: none"> • Identification of research problem, formulation of problem, statement of research objectives, definition of terms • Assumptions, delimitations, identification of variables • Hypothesis – definition, formulation and types 	Lecture Discussion Group activity Assignment	Short notes Short essay Long essay

V	05	Developing theoretical/conceptual framework Must know: 05 hrs <ul style="list-style-type: none"> Theories: nature, characteristics, purpose and uses Using, testing and developing conceptual framework, models and theories 	Lecture Discussion Assignment	Short notes Short essay Long essay
VI	06	Sampling Must know: 05 hrs <ul style="list-style-type: none"> Population and sample, sampling techniques, sample size Probability and sampling error, problems of sampling Desirable to know: 01 hr <ul style="list-style-type: none"> Factors influencing sampling 	Lecture Discussion Assignment	Short notes Short essay Long essay
VII	20	Tools and methods of Data collection: Must know: 23 hrs <ul style="list-style-type: none"> Data sources, methods/ techniques quantitative and qualitative. Tools for data collection – types, characteristics and their development Validity and reliability of tools, procedure for data collection Desirable to know: 02 hours <ul style="list-style-type: none"> Concepts of data collection 	Lecture Discussion Preparation of tool Assignment	Short notes Short essay Long essay
VIII	05	Implementing research plan Must know: 04 hrs <ul style="list-style-type: none"> Pilot Study, planning for data collection, administration of tool/interventions, collection of data Desirable to know: 01 hr <ul style="list-style-type: none"> Review research plan (design) 	Lecture Discussion Group work	Short notes Short essay Long essay
IX	10	Analysis and interpretation of data Must know: 10 hrs <ul style="list-style-type: none"> Plan for data analysis: quantitative and qualitative Preparing data for computer analysis and presentation Statistical analysis, Interpretation of data Conclusion and generalizations, summary and discussion 	Lecture Discussion Group work	Short notes Short essay Long essay

X	10	Reporting and utilizing research findings Must know: 10 hrs <ul style="list-style-type: none"> • Writing research report purposes, methods and style - Vancouver, American Psychological Association (APA), Campbell etc • Writing scientific articles for publication: purposes, style • Communication of research results; oral and written 	Lecture Discussion Assignment	Short notes Short essay Long essay
XI	03	Critical analysis of research reports and articles Must know: 03 hrs	Lecture Research critique	Short notes Short essay
XII	04	Developing and presenting a research proposal Must know: 04 hrs	Discussion Writing proposal	Short essay Long essay

Part –B : Statistics

Theory : 50 hrs

Practical :50 hrs

Total : 100 hrs

Course Description

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing.

General Objectives

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

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully.
4. Use descriptive and inferential statistics to predict results.
5. Draw conclusions of the study and predict statistical significance of the results.
6. Describe vital health statistics and their use in health related research.
7. Use statistical packages for data analysis

Course Content

Unit	Theory Hours	Content	Teaching Learning Methods	Evaluation
I	07	Introduction Must know: 07 hrs <ul style="list-style-type: none"> • Concepts, types, significance and scope of statistics, meaning of data • Sample, parameter • Type and levels of data and their measurement • Organization and presentation of data – tabulation of data • Frequency distribution, graphical and tabular presentations 	Lecture Discussion Group work	Short notes Short essay Long essay
II	04	Measures of central tendency Must know: 04 hrs <ul style="list-style-type: none"> • Mean, Median, Mode 	Lecture Discussion Group work	Short notes Short essay Long essay

III	04	Measures of variability Must know: 04 hrs <ul style="list-style-type: none"> • Range, percentiles, average deviation, quartile deviation, standard deviation 	Lecture Discussion Group work	Short notes Short essay Long essay
IV	03	Normal Distribution Must know: 03 hrs <ul style="list-style-type: none"> • Probability, characteristics and application of normal probability curve Sampling error 	Lecture Discussion Group work	Short notes Short essay Long essay
V	05	Measures of relationship Must know: 04 hrs <ul style="list-style-type: none"> • Correlation – need and meaning, rank order correlation • Scatter diagram method Desirable to know: 01 hr <ul style="list-style-type: none"> • Product moment correlation • Simple linear regression analysis and prediction 	Lecture Discussion Group work Assignment	Short notes Short essay Long essay
VI	05	Designs and meaning Must know: 04 hrs <ul style="list-style-type: none"> • Experimental designs, comparison in pairs, randomized block design Desirable to know: 01 hr <ul style="list-style-type: none"> • Latin squares 	Lecture Discussion Group work	Short notes Short essay Long essay
VII	08	Significance of Statistic and Significance of difference between two Statistics (Testing hypothesis) Must know: 08 hrs <ul style="list-style-type: none"> • Non parametric test – Chi-square test, Sign, median test, Mann Whitney test • Parametric test – ‘t’ test, ANOVA, MANOVA, ANCOVA 	Lecture Discussion Group work Assignment	Short notes Short essay Long essay
VIII	05	Use of statistical methods in psychology and education Must know: 05 hrs <ul style="list-style-type: none"> • Scaling – Z score, Z scaling • Standard score and T score • Reliability of test scores: test-retest method, parallel forms, split half method 	Lecture Discussion Practical work	Short notes Short essay Long essay
IX	04	Application of statistics in health Must know: 04 hours <ul style="list-style-type: none"> • Ratios, rates, trends 	Lecture Discussion Practical	Short notes Short essay Long essay

		<ul style="list-style-type: none"> • Vital health statistics – birth and death rates • Measures related to fertility, morbidity and mortality 	work	
X	04	Use of Computers for data analysis Must know: 04 hours <ul style="list-style-type: none"> • Use of statistical package 	Lecture Discussion Practical work	Short notes Short essay Long essay



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SYLLABUS

PG Programme- M. Sc. Nursing -Universal Human Values and Personality Development

Placement : First Year
Teaching Hours : 30 hours Credit Hours : 01

Unit	Practical Hours	Content	Teaching Learning method	Evaluation
I	30 hours	<p>Must know: 25 hrs</p> <ul style="list-style-type: none"> • Introduction • The extended family • Society and the community • Managing one's affairs with rectitude of conduct • Rectitude of conduct • Creating environments of unity built on diversity • Unity of action • Exercising Initiative in a disciplined and creative way <p>Desirable to know: 5 hrs</p> <ul style="list-style-type: none"> • Fostering initiative 	<p>Workshop Case study discussion Video Assisted Learning (YouTube case scenarios)</p>	Clinical observation



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SYLLABUS

PG Programme- M. Sc. Nursing –Nursing Management

Placement	:	Second Year	
Course Code	:	MNU 201	
Teaching Hours	:	Theory 150 hours	Credit Hours : 10
	:	Practical 150 hours	Credit Hours : 05
Total	:	300 hours	: 15

Aim

This course is designed to assist students to develop a broad understanding of Principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

Objectives

At the end of the course, students are able to:

1. Describe the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public-administration, health care administration vis a vis nursing administration.
4. Describe the principles of administration applied to nursing.
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Collaborate and co-ordinate with various agencies by using multispectral approach.
7. Discuss the planning, supervision and management of nursing workforce for various health care settings.
8. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care.
9. Identify and analyze-legal and ethical issues in nursing administration.
10. Describe the process of quality assurance in nursing services.
11. Demonstrate leadership nursing at various levels.

Course Content

Unit	Theory Hours	Content	Teaching Learning Methods	Evaluation
I	10	<p>Introduction Must know: 08 hrs</p> <ul style="list-style-type: none"> Philosophy, purpose, elements, principles and scope of administration Indian Constitution, Indian administrative system vis a vis health care delivery system: National, State and Local Organization and functions of nursing services and education at national, state, district and institutions: hospital and community <p>Desirable to Know: 02 hrs</p> <ul style="list-style-type: none"> Planning process: Five year plans, various committee reports on health, state and national health policies, national population policy, national policy on AYUSH and plans 	Lecture Discussion Seminar	Short notes Short essay Long essay
II	30	<p>Management Must know: 08 hrs</p> <ul style="list-style-type: none"> Functions of administration Planning, control, co-ordination and delegation Decision making – decentralization basic goals of decentralization <p>Nursing management</p> <ul style="list-style-type: none"> Concept, types, principles and techniques Philosophy, aims and objective Current trends and issues in nursing administration <p>Desirable to know: 02 hrs</p> <ul style="list-style-type: none"> Vision and Mission statements Theories and models Application to nursing service and education 	Lecture Discussion Seminar Simulated exercise	Short notes Short essay Long essay
III	15	<p>Planning Must know: 13 hrs</p> <ul style="list-style-type: none"> Planning process: concept, principles, 	Lecture Discussion Seminar	Short notes Short essay Long essay

		<p>institutional policies</p> <ul style="list-style-type: none"> • Strategic planning, operational plans, management plans • Programme evaluation and review technique (PERT), Gantt chart, management by objectives (MBO) • Application to nursing service and education <p>Desirable to Know: 02 hrs</p> <ul style="list-style-type: none"> • Mission, philosophy, objectives, planning for change • Planning for new venture , innovations in nursing 	<p>Simulated exercise Group project</p>	
IV	15	<p>Organization Must know: 12 hrs</p> <ul style="list-style-type: none"> • Concept, principles, objectives, types and theories, minimum requirements for an organization, developing an organizational structure, levels, organizational effectiveness and organizational climate • Organizing nursing services and patient care: methods of patient assignment-advantages and disadvantages, primary nursing care • Planning and Organizing: hospital, unit and ancillary services (specifically central sterile supply department, laundry, kitchen, laboratory services, emergency) <p>Desirable to know: 03 hrs</p> <ul style="list-style-type: none"> • Disaster management: plan, resources, drill • Application to nursing service and education 	<p>Lecture Discussion Seminar Simulated exercise Group project Disaster drill</p>	<p>Short notes Short essay Long essay</p>
V	15	<p>Human Resource for health Must know: 13 hrs</p> <ul style="list-style-type: none"> • Staffing : norms - staff inspection unit (SIU), Bajaj committee, high power committee, Indian nursing council (INC), • Estimation of nursing staff requirement-activity analysis • Recruitment: credentialing, selection, 	<p>Lecture Discussion Seminar Simulated exercise Group project Workshop</p>	<p>Short notes Short essay Long essay</p>

		<p>placement, promotion</p> <ul style="list-style-type: none"> • Retention, personnel policies • Termination • Staff development programme • Duties and responsibilities of various category of nursing personnel • Applications to nursing service and education <p>Desirable to know: 02 hrs</p> <ul style="list-style-type: none"> • Staffing : philosophy, various research studies 		
VI	15	<p>Directing Must know: 13 hrs</p> <ul style="list-style-type: none"> • Roles and functions • Motivation: Intrinsic, extrinsic, creating motivating climate, motivational theories • Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, confidentiality, Public relations • Managing conflict: process, management, negotiation, consensus • Collective bargaining: health care labor laws, unions, professional associations, role of nurse manager • Occupational health and safety <p>Desirable to know: 02 hours</p> <ul style="list-style-type: none"> • Delegation; common delegation errors • Application to nursing service and education 	<p>Lecture Discussion Seminar Simulated exercise Group project</p>	<p>Short notes Short essay Long essay</p>
VII	10	<p>Material management Must know: 08 hrs</p> <ul style="list-style-type: none"> • Concepts, principles and procedures • Planning and procurement procedures : specifications • ABC analysis, • VED analysis • Inventory control, condemnation <p>Desirable to know: 02 hrs</p> <ul style="list-style-type: none"> • Planning equipment's and supplies for nursing care: unit and hospital • Application to nursing service and education 	<p>Lecture Discussion Seminar Field visit Group project</p>	<p>Short notes Short essay Long essay</p>

VIII	15	<p>Controlling Must know: 12 hours</p> <ul style="list-style-type: none"> • Quality assurance – continuous quality improvement, standards, models • Nursing audit • Performance appraisal: Tools, confidential reports, formats, interviews • Supervision and management: concepts and principles • Self-evaluation or peer evaluation, patient satisfaction, utilization review <p>Desirable to know: 03 hours</p> <ul style="list-style-type: none"> • Discipline: service rules, self-discipline, constructive versus • Destructive discipline, problem employees, disciplinary proceedings, enquiry • Application to nursing service and education 	Lecture Discussion Seminar Simulated exercise Group project	Short notes Short essay Long essay
IX	15	<p>Fiscal planning Must know: 14 hrs</p> <ul style="list-style-type: none"> • Steps • Plan and non-plan, zero budgeting, mid-term appraisal, capital and revenue • Budget estimate, revised estimate, performance budget, audit • Cost effectiveness, cost accounting • Health care reforms, health economics, health insurance • Budgeting for various units and levels <p>Desirable to know: 01 hr</p> <ul style="list-style-type: none"> • Critical pathways • Application to nursing service and education 	Lecture Discussion Seminar Simulated exercise Group project	Short notes Short essay Long essay
X	10	<p>Nursing informatics Must know: 08 hrs</p> <ul style="list-style-type: none"> • Trends, general purpose • Use of computers in hospital and community • Patient record system, • Nursing records and reports • Management information and evaluation system (MIES) 	Lecture Discussion Seminar Simulated exercise Field visit	Short notes Short essay Long essay

		Desirable to know: 02 hrs <ul style="list-style-type: none"> E- nursing, Telemedicine, telenursing Electronic medical records 		
XI	10	Leadership Must know: 08 hrs <ul style="list-style-type: none"> Concepts, types, theories, styles, manager behavior, leader behavior, effective leader: characteristics, skills Group dynamics, power and politics Critical thinking and decision making Stress management Desirable to know: 02 hours <ul style="list-style-type: none"> Lobbying Applications to nursing service and education 	Lecture Panel Discussion Seminar Simulated exercise	Short notes Short essay Long essay
XII	10	Legal and ethical issues Must know: 08 hours <ul style="list-style-type: none"> Ethical committee Code of ethics and professional conduct Legal system: types of law, tort law, and liabilities Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character Patient care issues, management issues, employment issues, medico legal issues Nursing regulatory mechanisms: licensure, renewal, accreditation Patients' rights, consumer protection act (CPA) Rights of special groups: children, women, HIV, handicap, ageing Professional responsibility and accountability Desirable to know: 02 hours <ul style="list-style-type: none"> Infection control Standard safety measures 	Lecture Symposium Discussion Seminar Group project Assignment	Short notes Short essay Long essay
XIII	08	<i>*Legal and ethical issues</i> Must know: 08 hours <ul style="list-style-type: none"> <i>Ethical committee</i> <i>Code of ethics and professional conduct</i> <i>Legal system: types of law, tort law, and liabilities</i> <i>Legal issues in nursing: negligence,</i> 	Lecture Symposium Discussion Seminar Group project Assignment	Short notes Short essay Long essay

		<p><i>malpractice, invasion of privacy,</i></p> <ul style="list-style-type: none"> • <i>defamation of character</i> • <i>Patient care issues, management issues, employment issues, medico legal issues</i> • <i>Nursing regulatory mechanisms: licensure, renewal, accreditation</i> • <i>Patients' rights, consumer protection act</i> • <i>Rights of special groups: children, women, HIV, handicap, ageing</i> • <i>Professional responsibility and accountability</i> • <u><i>Entrepreneurship, copy rights, intellectual properties and patents in nursing</i></u> <p><i>Desirable to know: 02 hours</i></p> <ul style="list-style-type: none"> • <i>Infection control</i> • <i>Standard safety measures</i> 		
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*** The above have been added under the heading "Legal and ethical issues - Unit No XIII" as per Academic Council Resolution No. AC/2020/D-13 (iii), dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736

NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing –Medical Surgical Nursing Cardio Vascular and Thoracic Nursing (Clinical Speciality - II)

Placement	:	Second Year	
Course Code	:	MNU 203	
Teaching Hours	:	Theory 150 hours	Credit Hours : 10
	:	Practical 950 hours	Credit Hours : 32
Total	:	1100 hours	: 13

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 nurse practitioner/specialist. It will further enable the student to function as educator, manager and researcher in the field of cardio vascular and thoracic nursing.

Objectives

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

1. Appreciate trends and issues related to cardio vascular and thoracic Nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardio vascular and thoracic conditions
3. Participate in national health programs for health promotion, prevention and rehabilitation of patients with cardio vascular and thoracic conditions
4. Perform physical, psychosocial & spiritual assessment
5. Assist in various diagnostic, therapeutic and surgical procedures
6. Apply nursing process in providing comprehensive care to patients with cardio vascular 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 cardio vascular and thoracic patients

10. Appreciate team work & coordinate activities related to patient care.
11. Practice infection control measures.
12. Identify emergencies and complications & take appropriate measures
13. Discuss the legal and ethical issues in cardio vascular and thoracic nursing
14. Assist patients and their family to cope 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 identify the areas of research in the field of cardio vascular 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	Theory Hours	Content	Teaching Learning Methods	Evaluation
I	5	<p>Introduction Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Historical development, trends and issues in the field of cardiology • Ethical and legal issues • Evidence based nursing and its application in cardio vascular and thoracic nursing(to be incorporated in all the units) <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Cardio vascular and thoracic conditions – major health problem • Concepts, principles and nursing perspectives 	Lecture Discussion	Short notes Short essay Long essay
II	5	<p>Epidemiology Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Risk factors: hereditary, psycho social factors, hypertension, smoking, obesity, diabetes mellitus • Health promotion, disease prevention, Life style modification <p>Nice to know (02 hrs)</p> <ul style="list-style-type: none"> • National health programs related to cardio vascular and thoracic 	Lecture Discussion Presentation	Short notes Short essay Long essay

		<p>conditions</p> <ul style="list-style-type: none"> • Alternate system of medicine, complementary therapies 		
III	5	<p>Review of anatomy, physiology of cardio vascular and respiratory system Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Review of anatomy, physiology and embryology of heart, lung, thoracic cavity, blood vessels, coronary circulation, hemodynamics, electro physiology of heart • Bio-chemistry of blood in relation to cardio pulmonary function 	<p>Lecture Discussion Presentation Group work</p>	<p>Short notes Short essay Long essay</p>
IV	20	<p>Assessment and diagnostic measures Must Know (20 hrs)</p> <ul style="list-style-type: none"> • 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) 	<p>Lecture Discussion Demonstration Field visit Simulation practice</p>	<p>Short notes Short essay Long essay</p>
		<ul style="list-style-type: none"> • Blood gases and its significance, oxygen supply and demand • Electro Cardiography (ECG) : electrical conduction through the heart, basic electrocardiography, 12 lead electrocardiogram, axis determination • ECG changes in: intra ventricular conduction abnormalities- Arrhythmias, ischemia, injury and infarction, atrial and ventricular enlargement, electrolyte imbalance • Echocardiography: technical aspects, special techniques, echocardiography of cardiac structures in health and disease, newer techniques • Nuclear and other imaging studies of the heart: Magnetic Resonance Imaging. 		

		<ul style="list-style-type: none"> • Cardio electrophysiology procedures: diagnostic studies, interventional and catheter ablation, nursing care • Exercise testing: indications and objectives, safety and personnel, pretest considerations, selection, interpretation, test termination, recovery period • Cardiac catheterization: indications, contraindications, patient preparation, procedure, interpretation of data • Pulmonary function test: bronchoscopy and graphics, interpretation of diagnostic measures • Nurse's role in diagnostic tests • Laboratory tests using blood: blood specimen collection, cardiac markers, blood lipids, hematologic studies, blood cultures, coagulation studies, arterial blood gases, blood chemistries, cardiac enzyme studies, serum concentration of selected drugs, interpretation and role of nurse, heart rate variability mechanism, measurement patterns, factors, impact of interventions 			
V	25	<p>Cardiac disorders and nursing management Must Know (25 hrs) Etiology, clinical manifestations, pathophysiology treatment modalities and nursing management of:</p> <ul style="list-style-type: none"> • Hypertension coronary artery disease • Angina of various types, cardiomegaly • Myocardial infarction, congestive cardiac failure heart failure, pulmonary edema, shock, rheumatic heart disease and other valvular diseases • Inflammatory heart diseases, infective endocarditis, myocarditis, pericarditis cardiomyopathy, dilated, restrictive, hypertrophic 	diagnosis, Lecture Discussion Case study Bed side clinic Simulation practice	prognosis, Short notes Short essay Long essay	related

		<ul style="list-style-type: none"> • Arrhythmias, heart block associated illnesses 		
VI	10	<p>Altered pulmonary conditions Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Acute and chronic obstructive pulmonary disease (conditions leading to cor pulmonale, Acute respiratory failure) • Adult respiratory distress syndrome, pulmonary embolism, pulmonary hypertension <p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: Bronchitis, Bronchial Asthma, Bronchiectasis, Pneumonias, Lung abscess, lung tumor, Pulmonary Tuberculosis, fibrosis, pneumoconiosis etc • Pleuritis, effusion, pneumo, haemo and pyothorax, interstitial lung disease • Cystic fibrosis 	<p>Lecture Discussion Case study Bed side clinic Simulation practice</p>	<p>Short notes Short essay Long essay</p>
VII	10	<p>Vascular disorders and nursing management Must Know (08 hrs)</p> <ul style="list-style-type: none"> • Etiology clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of • Disorders of arteries, disorders of the aorta: aortic aneurysms, aortic dissection, Reynaud's phenomenon • Peripheral arterial disease of the lower extremities: venous thrombosis, varicose veins <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Chronic venous insufficiency, venous leg ulcers, pulmonary embolism 	<p>Lecture Discussion Seminar Case study Bed side clinic Simulation practice</p>	<p>Short notes Short essay Long essay</p>
VIII	10	<p>Cardio thoracic emergency interventions- Must Know (10 hrs)</p> <ul style="list-style-type: none"> • Care of the critically ill patients 	<p>Lecture Discussion</p>	<p>Short notes Short essay</p>

		<ul style="list-style-type: none"> • CPR, BLS and ALS, post resuscitation care • Use of ventilator, defibrillator, pacemaker • Psychosocial and spiritual aspects of care • Stress management, ICU psychosis, role of nurse 	Case study Supervised clinical practice Simulation Workshop	Long essay
IX	10	<p>Nursing care of a patients with obstructive airway Must Know (08 hrs)</p> <ul style="list-style-type: none"> • Assessment, use of artificial airway, endotracheal intubation, tracheostomy and its care, complication, minimum cuff leak, securing tubes • Mechanical Ventilation : principles, types and ventilators • Modes of ventilation, advantage, disadvantage, complications • PEEP therapy, indications, physiology, complications, weaning off • Nursing assessment and interventions of ventilated patient <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Oxygen delivery systems : nasal cannula, oxygen mask, venturi mask, partial rebreathing bag, Bi-PAP and CPAP masks, uses, advantages, nursing implications 	Lecture Discussion Case study Supervised clinical practice Simulation Workshop	Short notes Short essay Long essay
X	10	<p>Congenital Heart Diseases Must Know (10 hrs)</p> <ul style="list-style-type: none"> • Embryological development of heart • Etiology, clinical manifestations, diagnose, prognosis, related pathophysiology, treatment modalities and nursing management of: • Classification : cyanotic and acyanotic heart disease, Tetralogy of Fallot • Atrial Septal Defect, Ventricular Septal Defect, Eisenmenger's complex • Patent Ductus Arteriosus, AP window, Truncus Arteriosus • Transposition of Great Arteries, Total 	Lecture Discussion Case study Supervised clinical practice Simulation Workshop	Short notes Short essay Long essay

		<p>Anomaly of Pulmonary Venous Connection</p> <ul style="list-style-type: none"> • Pulmonary stenosis, atresia, Coarctation of aorta, Ebstein's anomaly • Double outlet right ventricle, single ventricle, hypoplastic left heart syndrome 		
XI	10	<p>Pharmacology Review Must Know (10 hrs)</p> <ul style="list-style-type: none"> • Pharmacokinetics, drug reaction & toxicity, drugs used in cardiac emergencies • Analgesics/ Anti-inflammatory agents, antibiotics, antiseptics • Anti thrombolytic agents, inotropic agents, beta blocking agents • Calcium channel blockers, vasoconstrictors, vasodilators, ACE inhibitors, anti coagulants, antiarrhythmic drugs • Anti hypertensives, diuretics, sedatives and tranquilizers, digitalis, antilipemics • Principles of drug administration, role and responsibilities of nurse, care of drugs Blood and blood components 	<p>Lecture Discussion Case study Drug book</p>	<p>Short notes Short essay Long essay</p>
XII	20	<p>Nursing care of patient undergoing cardio-surgery Must Know (15 hrs)</p> <ul style="list-style-type: none"> • Surgical procedures for coronary artery bypass grafting, recent advances and types of grafts, valve replacement or reconstruction, cardiac transplant, palliative surgery and different stents, vascular surgery, other recent advances • Thoracic surgery: lobectomy, pneumonectomy, tumor excision • Immediate postoperative care : assessment, post-operative problems and interventions : Bleeding, cardiac tamponade, low cardiac 	<p>Lecture Discussion Case study Supervised clinical practice Bed side clinic</p>	<p>Short notes Short essay Long essay</p>

		<p>output, Infarction, Pericardial effusion, pleural effusion</p> <ul style="list-style-type: none"> • Pneumothorax, haemothorax, coagulopathy, thermal imbalance, inadequate ventilation / perfusion, neurological problems, renal problems • Psychological problems • Nursing interventions - chest physiotherapy, life style modification, complementary therapy / alternative systems of medicine • Intermediate and late post-operative care after CABG, valve surgery, others, follow up care <p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Indications, selection of patient • Preoperative assessment and preparation, counseling. • Intraoperative care: Principles of open heart surgery, equipment, anesthesia, cardio pulmonary by pass 		
XIII	5	<p>Cardiac Rehabilitation Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Process - physical evaluation, life style modification, physical conditioning for cardiovascular efficiency through exercise, counseling, follow up care 	Lecture Discussion Field visit	Short notes Short essay Long essay
XIV	5	<p>Intensive Coronary care Unit/intensive cardio thoracic unit: Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Quality assurance, standards, protocols, policies, procedures • Infection control, standard safety measures, nursing audit • Design of ICCU / ICTU, staffing, cardiac team, burn out syndrome • Nurse's role in the management of ICCU and ICTU • Mobile coronary care unit, planning in-service educational programme 	Lecture Discussion Field visit	Short notes Short essay Long essay



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736
NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing –Medical Surgical Nursing Critical Care Nursing Clinical Speciality - II

Placement	:	Second Year	
Course Code	:	MNU 203	
Teaching Hours	:	Theory 150 hours	Credit Hours : 10
	:	Practical 950 hours	Credit Hours : 32
Total	:	1100 hours	: 42

Course Description

This course is designed to assist students in developing expertise and in-depth knowledge in the field of Critical Care Nursing. It will help students to develop advanced skills for nursing intervention in caring for critically ill patients. It will enable the student to function as critical care nurse 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 patients
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 ill patients including advance cardiac life support.
6. Demonstrate skill in handling various equipment/gadgets used for 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 identifies 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.

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	05	<p>Introduction to Critical Care Nursing (CCN) Must know (03 hrs)</p> <ul style="list-style-type: none"> • Historical review- progressive patient care(PPC), concepts, principles of critical care nursing • Review of anatomy and physiology of vital organs, fluid and electrolyte balance <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Scope of critical care nursing • Critical care unit set up including equipment supplies, use and care of various type of monitors & ventilators, flow sheets 	Lecture Discussion Supervised clinical practice	Short notes Short essay Long essay
II	10	<p>Concept of Holistic care applied to critical care nursing practice Must know (05 hrs)</p> <ul style="list-style-type: none"> • Impact of critical care environment on patients:- risk factors, assessment of patients, critical care psychosis, prevention, nursing care for patients affected with psychophysiological & psychosocial problems of critical care unit, caring for the patient's family, family teaching <p>Desirable to Know (03 hrs)</p> <ul style="list-style-type: none"> • The dynamics of healing in 	Lecture Discussion Case study Supervised clinical practice	Short notes Short essay Long essay

		criticalcare unit:-therapeutic touch, relaxation, music therapy, guided imagery, acupressure Nice to Know (02 hr) • Stress and burnout syndrome among health team members		
III	14	Review Must know (08 hrs) • Pharmacokinetics, drug reaction & toxicity • Analgesics/anti-inflammatory agents, antibiotics, antiseptics • Drugs used in critical care unit (inclusive of ionotropic, lifesaving drugs) Desirable to Know (04 hrs) • Drugs used in various body systems - IV fluids, electrolytes, blood, blood components Nice to Know (02 hrs) • Principles of drug administration, role of nurses and care of drugs	Lecture Discussion Drug book Demonstration	Short notes Short essay
IV	5	Pain Management Must know (03 hrs) Pain& sedation in critically ill patients Theories of pain, types of pain, pain assessment, systemic responses to pain Desirable to Know (02 hrs) Pain management-pharmacological and non-pharmacological measures Placebo effect	Lecture Discussion Case study Supervised clinical practice Bed side clinic	Short notes Short essay Long essay
V	5	Infection control in intensive care unit Must know (05 hrs) Nosocomial infection in intensive care unit; methyl resistant staphylococcus aureus (MRSA), disinfection, Sterilization, standard safety measures, prophylaxis for staff	Lecture Discussion Supervised clinical practice	Short notes Short essay Long essay
VI	10	Gastrointestinal System Must know (05 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical,	Lecture Discussion Case study Supervised clinical	Short notes Short essay Long essay

		<p>surgical and nursing management of</p> <ul style="list-style-type: none"> • Acute gastrointestinal bleeding, abdominal injury • Hepatic disorders - fulminant hepatic failure, hepatic encephalopathy, acute pancreatitis <p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Acute intestinal obstruction, perforative peritonitis 	<p>practice Bed side clinic</p>	
VII	10	<p>Renal System Must Know (5 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Acute renal failure, chronic renal failure, acute tubular necrosis, bladder trauma <p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Management modalities: hemodialysis, peritoneal dialysis, continuous ambulatory peritoneal dialysis, continuous arteriovenous hemodialysis, renal transplant 	<p>Lecture Discussion Case study Supervised clinical practice Bed side clinic</p>	<p>Short notes Short essay Long essay</p>
VIII	10	<p>Nervous System Must know (05hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Common neurological disorders - cerebrovascular disease, cerebrovascular accident, seizure disorders, Guillein Barre syndrome, myasthenia gravis, coma, persistent vegetative state, encephalopathy, head injury, spinal cord injury <p>Desirable to Know (03 hrs)</p> <ul style="list-style-type: none"> • Management Modalities: assessment of intracranial pressure, intracranial hypertension, craniotomy <p>Nice to Know (02 hrs)</p>	<p>Lecture Discussion Case study Supervised clinical practice Bed side clinic</p>	<p>Short notes Short essay Long essay</p>

		<ul style="list-style-type: none"> Problems associated with neurological disorders: thermo regulation, unconsciousness, herniation syndrome 		
IX	05	<p>Endocrine System Must know (02 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> Hypoglycemia, diabetic ketoacidosis, thyroid crisis, myxoedema, adrenal crisis <p>Desirable to Know (03hrs)</p> <ul style="list-style-type: none"> Syndrome of Inappropriate/ hyper secretion of Antidiuretic Hormone (SIADH) 	Lecture Discussion Case study Supervised clinical practice	Short notes Short essay Long essay
X	15	<p>Management of other Emergency Conditions Must know (09 hrs)</p> <ul style="list-style-type: none"> 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 <p>Desirable to Know (06 hrs)</p> <ul style="list-style-type: none"> Disseminated intravascular coagulation Drug overdose, 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, 	Lecture Discussion Case study Supervised clinical practice Bed side clinic	Short notes Short essay Long essay

		crisis intervention		
XI	20	<p>Emergencies Must know (12 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> Principles of caring patients with cardiovascular disorders Assessment - cardiovascular system: heart sounds, diagnostic studies - cardiac enzymes studies, ECG, holter monitoring, stress test, echo cardio graphy, coronary angiography, nuclear medicine studies <p>Desirable to Know (09 hrs)</p> <ul style="list-style-type: none"> 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, heart transplantation, autologous blood transfusion, radiofrequency catheter ablation 	Lecture Discussion Case study Supervised clinical practice	Short notes Short essay Long essay
XII	15	<p>Respiratory System Must know (08 hrs)</p> <ul style="list-style-type: none"> 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 <p>Causes, pathophysiology, clinical</p>	Lecture Discussion Case study Supervised clinical practice Bed side clinic	Short notes Short essay Long essay

		<p>types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Common pulmonary disorders:- pneumonia, status asthmaticus, interstitial lung disease, pleural effusion, COPD, pulmonary tuberculosis, pulmonary edema, atelectasis, pulmonary embolism, acute respiratory failure, acute respiratory distress syndrome (ARDS), chest trauma, haemothorax, pneumothorax <p>Desirable to Know (07 hrs)</p> <ul style="list-style-type: none"> • 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	07	<p>Burns Must know (03 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Burns, fluid and electrolyte therapy - calculation of fluids and its administration • Pain management • Wound care, infection control <p>Desirable to Know (04 hrs)</p> <ul style="list-style-type: none"> • Prevention and management of burn complications • Grafts and flaps, reconstructive surgery, rehabilitation 	<p>Lecture Discussion Case study Supervised clinical practice Case presentation</p>	<p>Short notes Short essay Long essay</p>

XIV	05	<p>Obstetrical Emergencies Must know (03 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Antepartum hemorrhage, preeclampsia, eclampsia, obstructed labor, ruptured uterus, post-partum hemorrhage <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Obstetrical shock, puerperal sepsis 	Lecture Discussion Case study Supervised clinical practice	Short notes Short essay Long essay
XV	10	<p>Neonatal Pediatric emergencies Must know (05 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Neonatal emergencies, asphyxia neonatarum, pathological Jaundice in neonates, neonatal seizures • Metabolic disorders, intra cranial hemorrhage <p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Neonatal sepsis, 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 	Lecture Discussion Case study Supervised clinical practice	Short notes Short essay Long essay
XVI	02	<p>Legal and ethical issues in critical care-Nurse's role Must know (02 hrs)</p> <ul style="list-style-type: none"> • Brain death, organ donation, counselling • Do Not Resuscitate (DNR), Euthanasia, Living will 	Lecture Discussion Group activity	Short notes

XVII	02	Quality assurance Must know (02 hrs) <ul style="list-style-type: none">• Standards, protocols, policies, procedures• Infection control, standard safety measures, nursing audit, staffing, design of ICU/CCU	Lecture Discussion Group activity	Short notes
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PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736
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SYLLABUS

PG Programme- M. Sc. Nursing –Medical Surgical Nursing Oncology Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 201		
Teaching Hours	:	Theory	150 hours	Credit Hours : 10
	:	Practical	950 hours	Credit Hours : 32
Total	:	1100 hours		: 42

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 identifies 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.

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	04	<p>Introduction Must Know (02 hrs)</p> <ul style="list-style-type: none"> • Epidemiology- incidence, prevalence : Global, National, State and Local • Disease burden, concept of cancer, risk factors <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Historical perspectives, trends, issues, principles of cancer management • Roles and responsibilities of oncology nurse 	Lecture Discussion Assignment	Short notes Short essay
II	05	<p>The Nature of Cancer Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Normal cell biology, the immune system • Pathological and pathophysiological changes in tissues - biology of the cancer cell <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Clone formation transformation, tumor stem lines, structure of a solid tumor • Products produced by the tumor, systemic effects of tumor growth 	Lecture Discussion Case study Case presentation	Short notes Short essay Long essay

III	04	<p>Etiology of Cancer Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Carcinogenesis, theories of cancer causation, risk factors • Carcinogens - genetic factors, chemical carcinogens, radiation, viruses, immune system failure, rapid tissue proliferation <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • Hormone changes, diet, emotional factors 	Lecture Discussion Case study Group project	Short notes Short essay Long essay
IV	10	<p>Diagnostic Evaluation Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Health assessment: history taking, physical examination • Staging and grading of tumors, TNM classification <p>Desirable to Know (05 hrs) Common diagnostic tests</p> <ul style="list-style-type: none"> • Blood investigation: hematological, bio-chemical, tumor markers, hormonal assay • Cytology: fine needle aspiration cytology (FNAC) • Histopathology: biopsies • Radiological assessment: MRI, ultrasound, computed tomography, mammography, positron emission tomography (PET), radio nuclide imaging, functional metabolism imaging, endoscopies, nurses responsibilities in diagnostic measures 	Lecture Discussion Case study Field visit Demonstration	Short notes Short essay Long essay
V	10	<p>Levels of prevention and care Must Know (06 hrs)</p> <ul style="list-style-type: none"> • 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 	Lecture Discussion Presentation Field visit	Short notes Short essay Long essay

		<p>Desirable to Know (04 hrs)</p> <ul style="list-style-type: none"> • Rehabilitation :mobility, speech, bowel and bladder, ostomies • Patient and family education • Discharge instruction, follow-up care and use of community resources 		
VI	25	<p>Cancer Treatment Modalities and Nurse's Role</p> <p>Must Know (15 hrs)</p> <ul style="list-style-type: none"> • 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, electron therapy • Effects of radiation on the body tissue • Radiation biology - cell damage hypoxic cells, alteration of tumor kinetics • Approaches to radiation therapy - 	<p>Lecture Discussion Case study Supervised clinical practice Demonstration</p>	<p>Short notes Short essay Long essay</p>

		<p>external radiotherapy, internal radio therapy - unsealed, sealed sources</p> <ul style="list-style-type: none"> • Effectiveness of radiotherapy - radiosensitivity, treatment effects, complications • Radiation safety: standards of Bhaba Atomic Research Centre(BARC) <p>Desirable to Know (10 hrs)</p> <ul style="list-style-type: none"> • Bone Marrow Transplantation /Stem Cell Transplantation • Types, indications, transplantation procedure, complications and nursing management • 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 		
VII	10	<p>Pain management:- Theories, types:</p> <p>Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Nature of cancer pain, pathophysiology of pain, pain threshold • Assessment of pain, principles of cancer pain control • Pharmacological: Opioid and non-opioid analgesic therapy <p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Patient controlled analgesia(PCA), other invasive techniques of pain control • Recent developments in cancer pain • Non- Pharmacological pain relief 	<p>Lecture Discussion Presentation Case study Demonstration Field visit</p>	<p>Short notes Short essay Long essay</p>

		<p>technique- complementary therapies (Music, massage, meditation, relaxation techniques, biofeedback)</p> <ul style="list-style-type: none"> • Psychological intervention in pain control, alternative system of medicines, Role of nurse 		
VIII	05	<p>Palliative care Must Know (05 hrs)</p> <ul style="list-style-type: none"> • 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 	<p>Lecture Discussion Seminar Case study Field visit</p>	<p>Short notes Short essay Long essay</p>
IX	02	<p>Infection control: Must Know (02 hrs)</p> <ul style="list-style-type: none"> • 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 	<p>Lecture Discussion Supervised clinical practice</p>	<p>Short notes Short essay Long essay</p>
X	30	<p>Nursing Care of Patients With Specific Malignant Disorders Must Know (30 hrs)</p> <ul style="list-style-type: none"> • Malignancies of GI 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, 	<p>Lecture Discussion Case study Demonstration Supervised clinical practice</p>	<p>Short notes Short essay Long essay</p>

		other malignancies – breast cancer, AIDS related malignancies(Kaposi's Sarcoma)		
XI	10	Paediatric malignancies Must Know (10 hrs) <ul style="list-style-type: none"> Leukemia, lymphoma, neuro blastoma Wilm's tumor, soft tissue sarcoma, retinoblastoma Nursing management of children with pediatric malignancies 	Lecture Discussion Case presentation Case study	Short notes Short essay Long essay
XII	15	Nursing Management of Physiological Conditions and Symptoms Of Cancer Patient Must Know (10 hrs) <ul style="list-style-type: none"> Nutrition: - effects of cancer on nutritional status and its consequences:-anemia, cachexia, xerostomia, mucositis, dysphagia, nausea,vomiting, constipation, diarrhea, electrolyte imbalances, taste alterations Impaired mobility: decubitus ulcer, pathologic fractures, thrombophlebitis, pulmonary embolism, contractures, footdrop Other symptoms : dyspepsia & hiccup, dyspnea, intestinal obstruction, fungating wounds, anxiety, depression, insomnia, lymphedema Desirable to Know (05 hrs) <ul style="list-style-type: none"> 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 	Lecture Discussion Presentation Case study Demonstration	Short notes Short essay Long essay
XIII	10	Cancer Emergencies Must Know (10 hrs) <ul style="list-style-type: none"> Disseminated intravascular coagulation(DIC), malignant pleural effusion, neoplastic cardiac 	Lecture Discussion Presentation Case study	Short notes Short essay Long essay

		<p>tamponade and septic shock, spinal cord compression, superior venacava syndrome</p> <ul style="list-style-type: none"> • Metabolic emergency: hyper and hypocalcemia • Surgical emergency, urological emergency, hemorrhage, organ obstruction • Brain metastasis, nurses role in managing oncologic emergencies 		
XIV	08	<p>Psycho-Social Aspects of Nursing Care Must Know (04 hrs)</p> <ul style="list-style-type: none"> • 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 <p>Desirable to Know (04 hrs) Ethical, moral and legal issues</p> <ul style="list-style-type: none"> • End of life care, grief and grieving process, bereavement support • Care of Nurses who care for the dying 	<p>Lecture Discussion Presentation Case study Demonstration Field visit</p>	<p>Short notes Short essay Long essay</p>
XV	02	<p>Layout and Design of an oncology institution/ ward, OPD, chemotherapy unit, Bone marrow transplantation unit, Pain clinic Must Know (01 hr)</p> <ul style="list-style-type: none"> • Practice standards of oncology nursing, policies and procedures • Establishing standing orders and protocols <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • Quality assurance programme in oncology units : nursing audit 	<p>Lecture Discussion Group project Field visit</p>	<p>Short notes Short essay Long essay</p>



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SYLLABUS

PG Programme- M. Sc. Nursing –Medical Surgical Nursing Neurosciences Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 203		
Teaching Hours	:	Theory	150 hours	Credit Hours : 10
	:	Practical	950 hours	Credit Hours : 32
Total	:	1100 hours		: 42

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

1. 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. Identify 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 identifies areas of research in the field of neuroscience nursing
13. Organize and conduct in-service 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	Theory Hours	Content	Teaching Learning Method	Evaluation
I	05	<p>Introduction Must Know (02 hrs)</p> <ul style="list-style-type: none"> • Concepts, principles and nursing perspectives, ethical and legal issues • Evidence based nursing and its application in neurological and neurosurgical nursing <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Emerging trends and issues in neurology and neuro surgery and its implication to nursing, neurological and neurosurgical problems <p>Nice to know: 01 hr</p> <ul style="list-style-type: none"> • Introduction to neuroscience(neurological and neurosurgical)nursing • History, development in neurological and neurosurgical nursing, service & education 	Lecture Discussion Assignment	Short notes Short essay
II	05	<p>Epidemiology Must Know (04 hrs)</p> <ul style="list-style-type: none"> • Major health problems, risk factors associated with neurological conditions - hereditary, psychosocial factors, smoking, alcoholism, dietary 	Lecture Discussion Case study	Short notes Short essay Long essay

		<p>habits, cultural and ethnic considerations, occupational and infections</p> <ul style="list-style-type: none"> • Health promotion, disease prevention, life style modification and its implications to nursing <p>Desirable to know: 01 hr</p> <ul style="list-style-type: none"> • Alternate system of medicine/complementary therapies 		
III	10	<p>Review of Anatomy and physiology Desirable to Know (10 hrs)</p> <ul style="list-style-type: none"> • Embryology, structure and functions of nervous system- CNS, ANS, cerebral circulation , cranial and spinal nerves and reflexes, motor and sensory functions, sensory organs 	<p>Lecture Discussion Group activity</p>	<p>Short notes Short essay Long essay</p>
IV	15	<p>Assessment and diagnostic measures Must Know (13 hrs)</p> <ul style="list-style-type: none"> • 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 angiography, CT scan, MRI (Magnetic Resonance Imaging), MRA, MRS, functional MRI, myelography, PET (Positron Emission Test), interventional radiology • Electrographic studies - electro encephalo graphy, MEG, EMG, • Nerve conduction studies- evoked potentials, visual evoked potentials, brain stem auditory 	<p>Lecture Discussion Case study Field visit Demonstration</p>	<p>Short notes Short essay Long essay</p>

		<p>evoked potentials, somatosensory evoked potentials</p> <ul style="list-style-type: none"> • Ultrasound studies- carotid duplex, transcranial doppler sonography, • Biopsies - muscle, nerve and brain, interpretation of diagnostic measures • Nurse's role in diagnostic tests <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Immunological studies, video EEG, single photon emission, computer tomography (SPECT) 		
V	05	<p>Meeting Nutritional needs of neurological patients Must Know (05 hrs)</p> <ul style="list-style-type: none"> • 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 	Lecture Discussion Presentation	Short notes Short essay Long essay
VI	05	<p>Drugs used in neurological and neurosurgical disorders Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Classification, indications, contraindications, actions and effects, toxic effects, role of nurse 	Lecture Discussion Case study Drug book	Short notes Short essay
VII	10	<p>Traumatic conditions Must Know (05 hrs)</p> <p>Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Cranio cerebral injuries, spinal and spinal cord injuries, peripheral nerve injuries, unconsciousness 	Lecture Discussion Presentation Case study Bed side clinic	Short notes Short essay Long essay

VIII	10	<p>Cerebro vascular disorders Must Know (10 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Stroke, arterio venous thrombosis, haemorrhagic embolus • Cerebro vascular accidents, intracranial aneurysm, subarachnoid haemorrhage, arterio venous fistula, brain tumours • Diseases of cranial nerves; Trigeminal neuralgia, facial palsy, bulbar palsy 	Lecture Discussion Seminar Case study Field visit	Short notes Short essay Long essay
IX	10	<p>Degenerating and demyelinating disorders Must Know (08 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Dementia, parkinson's disease, multiple sclerosis, Alzheimer's <p>Nice to know (02 hrs)</p> <ul style="list-style-type: none"> • Motor neuron diseases • Movement disorders - Tics, dystonia, chorea, Wilson's disease, essential tremors 	Lecture Discussion Supervised clinical practice	Short notes Short essay Long essay
X	10	<p>Neuro infections Must Know (10 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Bacterial infections, neurosyphilis, HIV, AIDS, brain abscess • Meningitis - types, encephalitis, poliomyelitis, parasitic infections 	Lecture Discussion Case study Demonstration Supervised clinical practice	Short notes Short essay Long essay
XI	10	<p>Paroxysmal disorders Desirable to know (10 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical,</p>	Lecture Discussion Case presentation	Short notes Short essay

		surgical and nursing management of <ul style="list-style-type: none"> • Epilepsy and seizures, status epilepticus, syncope, Menier's syndrome • Cephalgia 	Case study	Long essay
XII	10	Developmental disorders Must Know (08 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of <ul style="list-style-type: none"> • Hydrocephalus, spina bifida • Meningocele, meningomyelocele, encephalocele • Cerebro vascular system anomalies, cerebral palsies, Down's syndrome Desirable to know (02 hrs) <ul style="list-style-type: none"> • Syringomyelia, craniosynostosis 	Lecture Discussion Presentation Case study Bed side clinic	Short notes Short essay Long essay
XIII	10	Neuro muscular disorders Must Know (08 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of <ul style="list-style-type: none"> • Polyneuritis - G B syndrome, muscular dystrophy, myasthenia gravis • Peripheral neuropathies Nice to Know (02 hrs) <ul style="list-style-type: none"> • Trigeminal neuralgia, Bell's palsy • Menier's disease, Carpal tunnel syndrome 	Lecture Discussion Presentation Case study	Short notes Short essay Long essay
XIV	05	Neoplasms - surgical conditions Must Know (05 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of <ul style="list-style-type: none"> • Space occupying lesions -types • Common tumors of CNS 	Lecture Discussion Presentation Case study Field visit	Short notes Short essay Long essay
XV	05	Other disorders Desirable to Know (05 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis,	Lecture Discussion Group project	Short notes Short essay

		prognosis, management: medical, surgical and nursing management of <ul style="list-style-type: none"> • Metabolic disorders- diabetes insipidus, metabolicencephalopathy • Sleep disorders • Auto immune disorders- multiple sclerosis, inflammatory myopathies 		Long essay
XVI	10	Neuro emergencies Must Know (10 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of <ul style="list-style-type: none"> • Increased intracranial pressure, herniation syndrome, seizures • Severe head injuries, spinal injuries 	Lecture Discussion Presentation Case study Field visit	Short notes Short essay Long essay
XVII	05	Rehabilitation Must Know (05 hrs) <ul style="list-style-type: none"> • Concept and principles of rehabilitation • Factors affecting quality of life and coping • Rehabilitation in acute care setting and following stroke, head injury, degenerative disorders of brain • Physiotherapy, counseling, care giver's role • Speech & Language - neurogenic communication disorders, speechtherapy 	Lecture Discussion Presentation Case study Field visit	Short notes Short essay Long essay
XVIII	05	Ethical and legal issues in neuroscience nursing Must Know (05 hrs) <ul style="list-style-type: none"> • Brain death, organ transplantation, euthanasia • Negligence, malpractice, nosocomial infections 	Lecture Discussion Presentation Case study	Short notes Short essay Long essay
XIX	05	Concepts, standards in neuroscience nursing Must Know (04 hrs) <ul style="list-style-type: none"> • Quality assurance, quality control 	Lecture Discussion Presentation Case study	Short notes Short essay

	<p>in neurological nursing practice</p> <ul style="list-style-type: none"> • Role of advance practitioner in neurological nursing • Professional practice standards in neurologic nursing • Neuro ICU : philosophy, aims, 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 <p>Desirable to know: 01 hr</p> <ul style="list-style-type: none"> • Nursing audit, in-service education 	Field visit	Long essay
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SYLLABUS

PG Programme- M. Sc. Nursing –Medical Surgical Nursing Nephrourology Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 203		
Teaching Hours	:	Theory	150 hours	Credit Hours : 10
	:	Practical	950 hours	Credit Hours : 32
Total	:	1100 hours		: 42

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 identifies areas of research in the field of nephro and urological nursing
16. Teach and supervise nurses and allied health workers.
17. Design a layout of kidney transplant unit and dialysis unit
18. Develop standards of nephro urological nursing practice

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	5	<p>Introduction Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Ethical and legal issues • Evidence based nursing and its application in nephro and urological nursing(to be incorporated in all the units) <p>Nice to Know (02 hrs)</p> <ul style="list-style-type: none"> • Historical development: trends and issues in the field of nephro and urological nursing nephro and urological problems • Concepts, principles and nursing perspectives 	Lecture Discussion Assignment	Short notes Short essay
II	5	<p>Epidemiology Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Risk factors associated with nephro and urological 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 <p>Desirable to Know (02 hrs)</p>	Lecture Discussion Case study	Short notes Short essay Long essay

		<ul style="list-style-type: none"> Major health problems- urinary dysfunction, urinary tract infections Glomerular disorders, obstructive disorders and other urinary disorders 		
III	5	<p>Review of anatomy and physiology of urinary system Must Know (05 hrs)</p> <ul style="list-style-type: none"> Embryology, structure, functions, renal circulation, physiology of urine formation Fluid and electrolyte balance, acid base balance, immunology specific to kidney 	<p>Lecture Discussion Group activity</p>	<p>Short notes Short essay Long essay</p>
IV	20	<p>Assessment and diagnostic measures Must Know (20 hrs)</p> <ul style="list-style-type: none"> History taking, physical assessment, psychosocial assessment Common assessment abnormalities- dysuria, frequency, enuresis, urgency, hesitancy, hematuria, pain, retention, burning on urination, pneumaturia, incontinence, nocturia, polyuria, anuria, oliguria, Diagnostic tests-urine studies, blood chemistry, radiological procedures-KUB, IVP, nephrotomogram, retrograde pyelogram, renal arteriogram, renal ultrasound, CT scan, MRI, cystogram, renal scan, biopsy, endoscopy, cystoscopy, urodynamics studies, cystometrogram, urinary flow study, sphincter electromyography, voiding pressure flow study, videourodynamics, Whitaker study, interpretation of diagnostic measures, nurse's role in diagnostic tests 	<p>Lecture Discussion Case study Field visit Demonstration</p>	<p>Short notes Short essay Long essay</p>

V	5	<p>Renal immunopathy/Immunopathology Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Concepts of immunopathology, immune mechanism of glomerular vascular disease, role of mediator systems in glomerular vascular disease 	<p>Lecture Discussion Presentation</p>	<p>Short notes Short essay Long essay</p>
VI	15	<p>Urological Disorders Must Know(13 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Urinary tract infections- pyelonephritis, lower urinary tract infections, • Disorders for ureters, bladder and urethra, urinary tract infections • Urinary dysfunctions- urinary retention, urinary incontinence, urinary reflux, Bladder disorders- neoplasms, calculi, neurogenic bladder, trauma, • Benign prostrate hypertrophy (BPH) • Ureteral disorders - ureteritis, ureteral trauma, congenital anomalies of ureters, Urethral disorders- tumours, trauma <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Congenital anomalies of ureters, congenital abnormalities 	<p>Lecture Discussion Case study Supervised clinical practice</p>	<p>Short notes Short essay</p>
VII	25	<p>Glomerular disorders Must Know (20 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Glomerulo nephritis- chronic, acute, nephritic syndrome • Acute renal failure, chronic renal failure, renal calculi, diabetic nephropathy, vascular 	<p>Lecture Discussion Presentation Case study Bed side clinic</p>	<p>Short notes Short essay Long essay</p>

		disorders,renal tuberculosis, polycystic Desirable Know (05 hrs) <ul style="list-style-type: none"> Renal tumors- benign and malignant, renal trauma Renal abscess, congenital disorders, hereditary renal disorders 		
VIII	10	Renal Emergencies Must Know (10 hrs) <ul style="list-style-type: none"> Management of renal emergencies: anuria, acute renal failure, poisoning, trauma, urine retention, acute graft rejection, hematuria, nurse's role 	Lecture Discussion Seminar Case study	Short notes Short essay Long essay
IX	10	Drugs used in urinary disorders Must Know (10 hrs) <ul style="list-style-type: none"> Classification, indications, contraindications, actions and effects, toxic effects, role of nurse 	Lecture Discussion Drug book	Short notes Short essay Long essay
X	10	Dialysis Must Know (09 hrs) <ul style="list-style-type: none"> Dialysis- types, principles, goals, hemodialysis- vascular access sites, temporary and permanent, peritoneal dialysis Dialysis procedures- steps, equipments, maintenance Role of nurse- pre dialysis, intra and post dialysis, complications Counseling, patient education, records, reports Desirable to Know(01 hr) <ul style="list-style-type: none"> Historical aspects of dialysis 	Lecture Discussion Case study Demonstration Supervised clinical practice	Short notes Short essay Long essay
XI	10	Kidney transplantation Must Know (06 hrs) Nursing management of a patient with Kidney transplant: <ul style="list-style-type: none"> Immunology of graft rejections, recipient of a renal transplant, renal preservations Human Leucocytic Antigen (HLA) typing matching and cross matching in renal transplantation, 	Lecture Discussion Case presentation Case study Field visit	Short notes Short essay Long essay

		<p>chronic renal transplant rejection</p> <ul style="list-style-type: none"> • Complication after KTP: vascular, lymphatic, urological, cardiovascular, liver, neurological, infectious <p>Desirable to know(03 hrs)</p> <ul style="list-style-type: none"> • Work up of donor and recipient for renal transplant, kidney transplantations- a historical review,surgical techniques • KTP in children and management of pediatric patient with KTP, ethics in transplants, cadaveric transplantation <p>Nice to Know(01 hr)</p> <ul style="list-style-type: none"> • KTP in developing countries, results of KTP, psychological aspect of KTP and organ donations 		
XII	5	<p>Rehabilitation</p> <p>Must Know (05 Hours)</p> <ul style="list-style-type: none"> • Rehabilitation of patient with nephrological problems,on dialysis, after kidney transplant, after urinary diversions • Risk factors, prevention, family, patient teaching 	<p>Lecture</p> <p>Discussion</p> <p>Presentation</p> <p>Case study</p> <p>Field visit</p>	<p>Short notes</p> <p>Short essay</p> <p>Long essay</p>
XIII	10	<p>Pediatric urinary disorders</p> <p>Must Know (09 Hours)</p> <p>Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management: medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Children with renal Diseases -UTI, ureteral reflux, glomerulo-nephritis, nephrotic syndrome, infantile nephrosis, cystic kidneys, haemolytic uremic syndrome, benign recurrent haemturia, nephropathy, Wilms' tumour <p>Desirable to Know (01 Hours)</p> <ul style="list-style-type: none"> • Familial factors in renal diseases in childhood 	<p>Lecture</p> <p>Discussion</p> <p>Presentation</p> <p>Case study</p>	<p>Short notes</p> <p>Short essay</p> <p>Long essay</p>
XIV	5	<p>Critical care units - dialysis, KTP unit</p> <p>Must Know (05 Hours)</p>	<p>Lecture</p> <p>Discussion</p>	<p>Short notes</p>

		<ul style="list-style-type: none"> • Philosophy, aims, objectives, policies, staffing pattern, design, 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 	Presentation Field visit	Short essay Long essay
XV	5	Standards in Nephro urological nursing Must Know (05 hrs) <ul style="list-style-type: none"> • Quality assurance in nephrological nursing practice, quality control in nephrological nursing • Role of advance practitioner in nephrological nursing, professional practice standards, nursing audit 	Lecture Discussion Group project	Short notes Short essay Long essay



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736

NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing –Medical Surgical Nursing Orthopedic Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 203		
Teaching Hours	:	Theory	150 hours	Credit Hours : 10
	:	Practical	950 hours	Credit Hours : 32
Total	:	1100 hours		: 42

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.

Objectives

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 identifies 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.
17. Prepare a design and layout of orthopedic and rehabilitative units.

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	05	<p>Introduction Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Historical perspectives - history, trends definition, scope of orthopedic nursing • Anatomy and physiology of musculoskeletal system • Posture, body landmarks, skeletal system, muscular system, nervous system • Healing of - Injury, bone injury <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Repair of ligaments, systemic response to injury • Ergonomics, body mechanics, biomechanical measures, orthopedic team 	Lecture Discussion Assignment	Short notes Short essay
II	08	<p>Assessment of Orthopedic Patient Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Health Assessment: history, physical examination - inspection, palpation, movement, measurement, muscle strength testing <p>Desirable to Know (03 hrs)</p> <ul style="list-style-type: none"> • Diagnostic studies - radiological studies, muscle enzymes, serologic studies 	Lecture Discussion Case study Demonstration	Short notes Short essay Long essay

III	10	<p>Care of patients with devices Must Know (06 hrs)</p> <ul style="list-style-type: none"> • Splints, braces, various types of plaster cast, comfort devices • Various types of tractions, various types of orthopedic beds and mattresses <p>Desirable to Know (04 hrs)</p> <ul style="list-style-type: none"> • Implants in orthopedic, prosthetics, orthotics 	Lecture Discussion Assignment	Short notes Short essay Long essay
IV	15	<p>Injuries: Trauma & Injuries Must Know (10 hrs)</p> <p>Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of :</p> <ul style="list-style-type: none"> • Early management of trauma, fractures • Injuries of the shoulder, arm, elbow, fore arm, wrist, hand, hip, thigh, knee, leg, ankle, foot, spine • Head injury, chest injury, polytrauma <p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Nerve injuries, vascular injuries, soft tissue injuries, sports injuries, amputation 	Lecture Discussion Case study Supervised clinical practice Demonstration	Short notes Short essay Long essay
V	08	<p>Infections of Bones and Joints Must Know (08 hrs)</p> <p>Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of</p> <ul style="list-style-type: none"> • Tuberculosis, osteomyelitis, arthritis, leprosy 	Lecture Discussion Presentation	Short notes Short essay Long essay
VI	05	<p>Bone Tumours Must Know (04hrs)</p> <p>Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Bone tumors - Benign, Malignant and metastatic 	Lecture Discussion Case study Supervised clinical practice	Short notes Short essay

		<p>Nice to Know (01 hr)</p> <ul style="list-style-type: none"> • Different types of therapies for tumors 		
VII	10	<p>Deformities Must Know (08 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical, surgical and nursing management of</p> <ul style="list-style-type: none"> • Scoliosis, kyphosis, lordosis, congenital disorders: Congenital dislocation of hip (CDH), congenital torticollis, dislocation of patella, knee • Varus and valgus deformities, deformities of digits • Meningocele, meningomyelocele <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • Chromosomal disorders <p>Nice to Know (01 hr)</p> <ul style="list-style-type: none"> • Computer related deformities 	<p>Lecture Discussion Presentation Case study Bed side clinic</p>	<p>Short notes Short essay Long essay</p>
VIII	05	<p>Disorders of the spine Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Intervertebral disc prolapse, fracture of the spine • Low back disorder - low back pain, PND, spinal stenosis, spondylosis 	<p>Lecture Discussion Seminar Case study</p>	<p>Short notes Short essay Long essay</p>
IX	05	<p>Nutritional/Metabolic and Endocrine Disorders Must Know (03 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of:</p> <ul style="list-style-type: none"> • Rickets, scurvy, hyper vitaminosis A and D, osteomalacia, osteoporosis • Paget's disease, gout <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • Gigantism, dwarfism, acromegaly <p>Nice to Know (01 Hour)</p>	<p>Lecture Discussion Presentation</p>	<p>Short notes Short essay Long essay</p>

		<ul style="list-style-type: none"> • Therapeutic diets for various orthopedic disorders 		
X	08	<p>Neuro-Muscular Disorders: Must Know (05 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of:</p> <ul style="list-style-type: none"> • Poliomyelitis, cerebral palsy, myasthenia gravis, spina bifida <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Peripheral nerve lesion, paraplegia, hemiplegia, quadriplegia <p>Nice to Know (01 hr)</p> <ul style="list-style-type: none"> • Muscular dystrophy 	<p>Lecture Discussion Case study Demonstration Supervised clinical practice</p>	<p>Short notes Short essay Long essay</p>
XI	08	<p>Chronic/Degenerative Diseases of Joints and Autoimmune Disorders: Must Know (05 hrs) Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of:</p> <ul style="list-style-type: none"> • Osteo Arthritis, Rheumatoid Arthritis <p>Desirable to Know (03 hrs)</p> <ul style="list-style-type: none"> • Ankylosing spondylitis, spinal disorders, systemic lupus erythematosus 	<p>Lecture Discussion Case presentation Case study</p>	<p>Short notes Short essay Long essay</p>
XII	05	<p>Orthopedic Disorders in Children Must Know (03 hrs)</p> <ul style="list-style-type: none"> • General and special consideration on pediatric orthopedics • Genetic disorders, congenital anomalies <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Growth disorders • Genetic counseling, nurses role in genetic counseling 	<p>Lecture Discussion Presentation Case study Field visit</p>	<p>Short notes Short essay Long essay</p>
XIII	05	<p>Geriatric Problems Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Geriatric population, types of 	<p>Lecture Discussion Presentation</p>	<p>Short notes Short</p>

		<p>disabilities, causes, treatment, management – Hospitalization, rest, physiotherapy, involvement of family members, social opportunities</p> <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Care at home – involvement of family and community, follow up care and rehabilitation 	Case study	<p>essay</p> <p>Long essay</p>
XVI	06	<p>Pharmacokinetics</p> <p>Must Know (04 hrs)</p> <ul style="list-style-type: none"> • Principles of drug administration • Analgesics and anti-inflammatory agents, antibiotics, antiseptics, • Drugs used in orthopedics and neuromuscular disorders <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • Blood and blood components • Care of drugs and nurses role 	<p>Lecture</p> <p>Discussion</p> <p>Presentation</p> <p>Drug study</p>	<p>Short notes</p> <p>Short essay</p> <p>Long essay</p>
XV	30	<p>Nurses Role in Orthopedic Conditions</p> <p>Must Know (18 hrs)</p> <ul style="list-style-type: none"> • 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 	<p>Lecture</p> <p>Discussion</p> <p>Group project</p> <p>Bed side clinic</p>	<p>Short notes</p> <p>Short essay</p> <p>Long essay</p>

		<p>family with disabilities and disorders</p> <ul style="list-style-type: none"> • Maintaining sexuality, spirituality – A rehabilitative prospective <p>Desirable to Know (12 hrs) Orthopedic Reconstructive Surgeries</p> <ul style="list-style-type: none"> • 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, tripod, walking with sticks, calipers • Forms of therapies: hydrotherapy, electrotherapy, wax bath, heat therapy, ice, helio therapy, radiant heat, chest physiotherapy 		
XVI	08	<p>Rehabilitation Must Know (05 hrs)</p> <ul style="list-style-type: none"> • 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) <p>Desirable to Know (03 hrs)</p> <ul style="list-style-type: none"> • Challenges in rehabilitation, role of the nurse in rehabilitation • Legal and ethical issues in 	Lecture Discussion Group project Bed side clinic Field visit	Short notes Short essay Long essay

		rehabilitation nursing, occupational therapy		
XVII	05	<p>National Policies and Programmes Must Know (02 hrs)</p> <ul style="list-style-type: none"> • National programmes for rehabilitation of persons with disability - • National Institutes, artificial limbs manufacturing corporation • District Rehabilitation Centers and their schemes • Regional rehabilitation centers <p>Desirable to Know (02 hrs)</p> <ul style="list-style-type: none"> • 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 <p>Nice to Know (01 hr)</p> <ul style="list-style-type: none"> • Rehabilitation health team and different categories of team members 	Lecture Discussion Group project Field visit	Short notes Short essay Long essay
XVIII	04	<p>Quality assurance Must Know (03 hrs)</p> <ul style="list-style-type: none"> • Standards, protocols, policies, procedures, nursing audit <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • Staffing, design of orthopedic, physiotherapy and rehabilitation unit 	Lecture Discussion	Short notes Short essay



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

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NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing –Medical Surgical Nursing Gastro Enterology Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 203		
Teaching Hours	:	Theory	150 hours	Credit Hours : 10
	:	Practical	950 hours	Credit Hours : 32
Total	:	1100 hours		: 42

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 nursing
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 patients 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 identifies areas of research in the field of gastrointestinal nursing
17. Teach and supervise nurses and allied health workers.
18. Design a layout of Gastro enterology intensive care unit (GEICU), liver care/transplant unit

Course Content

Unit	Theory Hours	Content	Teaching Learning Method	Evaluation
I	5	<p>Introduction Must Know (04 hrs)</p> <ul style="list-style-type: none"> • Ethical and legal issues, concepts, principles and nursing perspectives • Evidence based nursing and its application in gastrointestinal nursing (to be incorporated in all the units) <p>Desirable to Know (01 hrs)</p> <ul style="list-style-type: none"> • Historical development: trends and issues in the field of gastroenterology • Gastro enterological problems, concepts, principles and nursing perspectives 	Lecture Discussion Assignment	Short notes Short essay
II	5	<p>Epidemiology Must Know (04 hrs)</p> <ul style="list-style-type: none"> • 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 	Lecture Discussion Case study	Short notes Short essay Long essay

		<p>implications to nursing</p> <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • National health programmes related to gastroenterology • Alternate system of medicine/complementary therapies 		
III	5	<p>Review of anatomy and physiology of gastrointestinal system</p> <p>Must Know (04 hrs)</p> <ul style="list-style-type: none"> • Gastrointestinal system, liver, biliary and pancreas, gerontologic considerations • Immunology specific to GI system <p>Desirable to Know (01 hr)</p> <ul style="list-style-type: none"> • Embryology of GI system 	Lecture Discussion Assignment	Short notes Short essay Long essay
IV	15	<p>Assessment and diagnostic measures</p> <p>Must Know (15 hrs)</p> <ul style="list-style-type: none"> • History taking, physical, psychosocial assessment, diagnostic tests • Radiological studies: upper GIT- barium swallow, lower GIT- barium enema • Ultra sound, computed tomography, MRI • Cholangiography: percutaneous transhepatic cholangiogram(PTC) • Magnetic resonance cholangio pancreatography (MRCP) • Nuclear imaging scans(scintigraphy) • Endoscopy,colonoscopy, proctosigmoidoscopy • Endoscopic Retrograde Cholangio pancreatography (ERCP) • Endoscopic ultrasound, peritonoscopy(Laproscopy), gastric emptying studies 	Lecture Discussion Case study Supervised clinical practice Demonstration	Short notes Short essay Long essay

		<ul style="list-style-type: none"> • Blood chemistries: Serum amylase, serum lipase, liver biopsy • Miscellaneous tests: gastric analysis, fecal analysis • Liver function tests: bile formation and excretion, dye excretion 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	<p>Gastro intestinal disorders and nursing management Must Know(25 Hours)</p> <ul style="list-style-type: none"> • Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of • Disorders of the mouth: dental caries, periodontal disease, acute tooth infection, stomatitis, thrush (moniliasis), gingivitis, leukoplakia, inflammation of the parotid gland, obstruction to the flow of saliva, fracture of the jaw • Disorders of the oesophagus: reflux oesophagitis, oesophageal achalasia, oesophageal varices, hiatus hernia, diverticulum • Disorders of the Stomach and duodenum: gastritis, peptic ulcer, dumping of the stomach, food poisoning, idiopathic gastroparesis, aerophagia and belching syndrome, ideopathic 	<p>Lecture Discussion Presentation Case study Supervised clinical practice</p>	<p>Short notes Short essay Long essay</p>

		<p>cyclic nausea and vomiting, rumination syndrome, functional dyspepsia, chronic nonspecific (functional) abdominal pain</p> <ul style="list-style-type: none"> • Disorders of the small intestine: malabsorption syndrome - tropical sprue, gluten sensitive enteropathy (Coeliac disease) • Inflammatory diseases of intestines and abdomen - appendicitis, peritonitis, intestinal obstruction, abdominal TB, gastrointestinal polyposis syndrome, solitary rectal ulcer syndrome, chronic inflammatory bowel disease, ulcerative colites, Crohn's disease • Infestations and infections - worm infestations, typhoid, leptospirosis • Alteration in bowel elimination diarrhea, constipation, fecal impaction, fecal incontinence, irritable bowel syndrome, chronic idiopathic constipation, functional diarrhoea • Anorectal conditions: hemorrhoid anal fissure, anal fistula, abscess, strictures, rectal prolapse, pruritis ani, perianal disease, anal condylomas, warts 		
VI	15	<p>Disorder of liver, pancreas gall bladder and nursing management Must Know (15 hrs)</p> <ul style="list-style-type: none"> • Disorders of liver biliary tract : viral hepatitis, A,B,C,D and E Toxic hepatitis • Cirrhosis of liver, liver failure, liver transplantation, non- 	<p>Lecture Discussion Case study Supervised clinical practice Bed side clinic</p>	<p>Short notes Short essay Long essay</p>

		<p>cirrhotic portal</p> <ul style="list-style-type: none"> • Fibrosis, liver abscess, parasitic and other cysts of the liver • Disorders of the gall bladder and bile duct: cholecystitis, cholelithiasis, choledocholithiasis • 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	15	<p>Gastro intestinal emergencies and nursing interventions Must Know (14 hrs) Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of</p> <ul style="list-style-type: none"> • Esophageal varices, ulcer perforation, acute cholecystitis, diverticulitis • Fulminant hepatic failure, biliary obstruction, gastroenteritis, intussusception • 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 	<p>Lecture Discussion Presentation Case study Bed side clinic</p>	<p>Short notes Short essay Long essay</p>

		Desirable to Know (01 hrs) <ul style="list-style-type: none"> • Substance ingestion: undesirable effect of GIT 		
VIII	15	Congenital Anomalies of Esophagus Must Know (07 hrs) <ul style="list-style-type: none"> • Congenital anomalies of esophagus: esophageal atresia, tracheo esophageal fistula, esophageal stenosis • Congenital anomalies of stomach: gastric atresia, micro gastria, gastric diverticulum • Congenital anomalies of duodenal: duodenal Atresia or stenosis • Developmental anomalies of the intestine: abdominal wall defects (omphalocele and Gastroschisis) Desirable to know (03 hrs) <ul style="list-style-type: none"> • Esophageal duplications • Dysphagia, lusoria - aberrant right subclavian artery compressing esophagus • Esophageal rings - schalzkiring, esophageal webs Nice to Know (05 hrs) <ul style="list-style-type: none"> • Gastric duplication, gastric teratoma, gastric volvulus • Infantile hypertrophic pyloric stenosis, adult hypertrophic pyloric stenosis • Annular pancreas, duodenal duplication cysts, malrotation • Meckel's diverticulum, intestinal atresia, hirschsprung's disease 	Lecture Discussion Seminar Case study	Short notes Short essay Long essay
IX	15	Pharmo Kinetics Must Know (15 hrs) <ul style="list-style-type: none"> • Drugs used in GIT, principles of administration, roles, responsibilities of nurses • Drugs used in peptic ulcer 	Lecture Discussion Presentation Drug book	Short notes Short essay Long essay

		<p>disease, proton pump inhibitors, H₂ receptor antagonists</p> <ul style="list-style-type: none"> • Cytoprotective agents: drugs used in diarrhea, constipation • Drugs used in Inflammatory Bowel Disease, aminosalicylates, corticosteroids • Immunomodulators, chemotherapy, vitamin supplements • Antibiotics, antiemetics, anticholinergics, antihistaminics, anthelmintics 		
X	10	<p>Nutrition and nutritional problems related to GI system Must Know (7hrs)</p> <ul style="list-style-type: none"> • Nutritional assessment, nursing interventions, therapeutic diets • Adverse reactions between drugs and various foods • Malnutrition- etiology, clinical manifestations and management • Tube feeding, parenteral nutrition, total parenteral nutrition <p>Desirable to Know (3 hrs)</p> <ul style="list-style-type: none"> • Obesity- etiology, clinical manifestations and management • Eating disorders- anorexia nervosa, bulimia nervosa • Recent advances in nutrition 	Lecture Discussion Case study Supervised clinical practice	Short notes Short essay Long essay
XI	15	<p>Malignant disorders of gastro intestinal system Must Know (12 hrs) Etiology, clinical manifestations, diagnosis, prognosis, related management of:</p> <ul style="list-style-type: none"> • Malignancy of oral cavity, lip, tongue, buccal 	Lecture Discussion Case presentation Case study	Short notes Short essay Long essay

		<p>mucosa, oropharynx, salivary gland</p> <ul style="list-style-type: none"> • Esophageal, gastric, carcinoma of bowel - small bowel, colorectal, anal <p>Desirable to Know (03 hrs)</p> <ul style="list-style-type: none"> • Liver, biliary tract, pancreatic carcinoma 		
XII	5	<p>Administration and management of GE unit</p> <p>Must Know (05 hrs)</p> <ul style="list-style-type: none"> • Design, layout, staffing, equipment, supplies • Infection control, standard safety measures • Quality Assurance : nursing audit -records /reports, norms, policies, protocols, practice standards 	<p>Lecture Discussion Presentation Field visit</p>	<p>Short notes Short essay Long essay</p>
XIII	5	<p>Desirable to Know (05 hrs)</p> <ul style="list-style-type: none"> • Education and training in GE care • Staff orientation, training and development, in-service education program • Clinical teaching programs 	<p>Lecture Discussion Presentation</p>	<p>Short notes Short essay</p>



PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736

NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing -Obstetric and Gynaecological Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 203		
Teaching Hours	:	Theory 150 hours	Credit Hours	: 10
	:	Practical 950 hours	Credit Hours	: 32
Total	:	1100 hours		: 42

Course Description

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

Objectives

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

1. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of women with obstetric and gynecological conditions
2. Perform physical, psychosocial, cultural & spiritual assessment
3. Demonstrate competence in caring for women with obstetrical and gynecological conditions
4. Demonstrate competence in caring for high risk newborn
5. Identify and manage obstetrical and neonatal emergencies as per protocol
6. Practice infection control measures
7. Utilize recent technology and various diagnostic, therapeutic modalities in the management of obstetrical, gynecological and neonatal care
8. Demonstrate skill in handling various equipments/gadgets used for obstetrical, gynecological and neonatal care
9. Teach and supervise nurses and allied health workers
10. Design a layout of specialty units of obstetrics and gynecology
11. Develop standards for obstetrical and gynecological nursing practice

12. Counsel women and families
13. Incorporate evidence based nursing practice and identifies areas of research in the field of obstetrical and gynecological nursing
14. Function as independent midwifery nurse practitioner

Course Content

Unit	Theory Hours	Content	Teaching Learning method	Evaluation
I	25	<p>Management of problems of women during pregnancy Must Know (25 hrs)</p> <ul style="list-style-type: none"> • Risk approach of obstetrical nursing care, concept, goals • Screening of highrisk pregnancy, newer modalities of diagnosis • Nursing management of pregnancies at risk due to obstetrical complication • Pernicious vomiting, bleeding in early pregnancy, abortion, ectopic pregnancy and gestational trophoblastic diseases • Hemorrhage during late pregnancy, ante partum hemorrhage, placenta praevia, abruptio placenta • Hypertensive disorders in pregnancy, pre-eclampsia, eclampsia, hemolysis elevated liver enzyme low platelet count (HELLP), iso-immune diseases. Rh and ABO incompatibility, hematological problems in pregnancy • Hydramnios, oligohydramnios, intra uterine infection, pain during pregnancy • Prolonged pregnancy- post term, post maturity, multiple pregnancies • Intra Uterine Growth Retardation (IUGR), premature rupture of membrane(PROM), intra uterine death 	<p>Lecture Demonstration Structured Discussion Seminar Simulated practice</p>	<p>Short notes Short essay Long essay</p>

II	15	<p>Pregnancies at risk-due to pre-existing health problems Must Know (15 hrs)</p> <ul style="list-style-type: none"> • EmONC - Emergency Obstetrical and Neonatal Care • Metabolic conditions, anemia, nutritional deficiencies, chronic renal failure • Hepatitis, cardio-vascular diseases, thyroid diseases, epilepsy, essential hypertension, psychiatric disorders • Infections : toxoplasmosis, rubella, cytomegalo virus, herpes (TORCH), • Reproductive tract infection(RTI)-STD, HIV/AIDS, vaginal infections • Leprosy, tuberculosis, tropical diseases • Other risk factors: age, adolescents, elderly, unwed mothers, sexual abuse, substance use • Pregnancies with tumors, uterine anomalies, prolapse, ovarian cyst 	<p>Lecture Demonstration Structured Discussion Seminar Simulated practice</p>	<p>Short notes Short essay Long essay</p>
III	15	<p>Abnormal labour, pre-term labour& obstetrical emergencies Must Know (15 hrs) Etiology, pathophysiology and nursing management of</p> <ul style="list-style-type: none"> • Uncoordinated uterine actions, atony of uterus, precipitate labour, prolonged labour • Abnormal lie, presentation, position compound presentation • Contracted pelvis - CPD, dystocia • Obstetrical emergencies: obstetrical shock, vasa praevia, inversion of uterus, amniotic fluid embolism, rupture uterus, presentation, prolapse cord • Augmentation of labour - medical and surgical induction, version • Manual removal of placenta, retained placenta, destructive operations • Obstetrical operation: forceps 	<p>Lecture Demonstration Structured Discussion Seminar Simulated practice Journal presentation</p>	<p>Short notes Short essay Long essay</p>

		<p>delivery, ventouse, caesarian section</p> <ul style="list-style-type: none"> • Genital tract injuries - third degree perineal tear, VVF, RVF • Complications of third stage of labour, post-partum hemorrhage 		
IV	10	<p>Post partum complications Must Know (10 hrs) Nursing management of</p> <ul style="list-style-type: none"> • Puerperal infections, puerperal sepsis, urinary complications, puerperal venous thrombosis and pulmonary embolism • Sub involution of uterus, breast conditions, thrombophlebitis • Psychological complications, post-partum blues, depression, psychosis 	<p>Lecture Structured Discussion Seminar Simulated practice Journal presentation</p>	<p>Short notes Short essay Long essay</p>
V	25	<p>High Risk Newborn Must Know (25 hrs) Concept, goals, assessment, principles, nursing management of</p> <ul style="list-style-type: none"> • Pre-term, small for gestational age, post-mature infant, baby of diabetic and substance use mothers • Respiratory conditions, asphyxia neonatorum, neonatal apnoea, meconium aspiration syndrome, pneumothorax, pneumo mediastinum, Icterus neonatorum • Birth injuries, hypoxic ischaemic encephalopathy, neonatal seizures • Congenital anomalies, neonatal heart diseases, neonatal hemolytic diseases • Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia • Neonatal infections, neonatal sepsis, ophthalmia neonatorum, congenital syphilis • Hematological conditions - erythroblastosis fetalis, hemorrhagic disorders • Advanced neonatal procedures, 	<p>Lecture Demonstration Structured Discussion Seminar Simulated practice Journal presentation</p>	<p>Short notes Short essay Long essay</p>

		<p>calculation of fluid requirements</p> <ul style="list-style-type: none"> • Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU 		
VI	15	<p>HIV/AIDS Must Know (15 hrs)</p> <ul style="list-style-type: none"> • HIV positive mother and her baby, epidemiology, screening, parent to child transmission(PTCT) prophylaxis for mother and baby, standard safety measures, counseling • Breast feeding issues, National policies and guidelines • Issues: legal, ethical, psychosocial and rehabilitation, role of nurse 	<p>Lecture Demonstration Structured Discussion Seminar Simulated practice Journal presentation</p>	<p>Short notes Short essay Long essay</p>
VII	25	<p>Gynecological problems and nursing management Must Know (25 hrs)</p> <ul style="list-style-type: none"> • Gynecological assessment, gynecological procedures • Etiology, pathophysiology, diagnosis and nursing management of • Menstrual irregularities, diseases of genital tract, genital tract infections • Uterine displacement, genital prolapse, genital injuries, uterine malformation • Uterine fibroid, ovarian tumors, breast carcinoma • Pelvic inflammatory diseases, reproductive tract malignancies, • Hysterectomy - vaginal and abdominal, sexual abuse, rape, trauma, assault 	<p>Lecture Demonstration Structured Discussion Seminar Journal presentation</p>	<p>Short notes Short essay Long essay</p>
VIII	5	<p>Administration and management of obstetrical and gynecological unit Must Know (5 hrs)</p> <ul style="list-style-type: none"> • Design, layout, staffing, equipment, supplies, infection control • Quality assurance - obstetric 	<p>Lecture Discussion Visit to specialty hospital</p>	<p>Short notes Short essay Long essay</p>

		auditing, records /reports, norms, policies, protocols, standard safety measures • Practice standards for obstetrical and gynecological unit		
IX	5	Education and training in obstetrical and gynecological care Must Know (5 hrs) • Staff orientation, training and development, in-service education program • Clinical teaching programs	Discussion Visit to specialty hospital	Short notes Short essay



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SYLLABUS

PG Programme- M. Sc. Nursing –Pediatric (Child Health) Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 203		
Teaching Hours	:	Theory	150 hours	Credit Hours : 10
	:	Practical	950 hours	Credit Hours : 32
Total	:	1100 hours		: 42

Course Description

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

Objectives

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

1. Apply nursing process in care of neonates to adolescents in hospital and community
2. Demonstrate advanced skills/competence in nursing management of children with medical and surgical problems
3. Recognize and manage emergencies in children
4. Provide nursing care to critically ill children
5. Utilize the recent technology and various treatment modalities in the management of high risk children
6. Prepare a design for layout and describe standards for management of pediatric units/hospitals
7. Identify areas of research in the field of pediatric nursing

Course Content

Unit	Theory Hours	Content	Teaching Learning method	Evaluation
I	5	Introduction Desirable to Know (05 hrs) <ul style="list-style-type: none"> • Current principles, practices and trends in pediatric nursing • Role of pediatric nurse in various settings - expanded and extended 	Lecture Discussion	Short notes Short essay
II	40	Disease Conditions in Children Pathophysiology, assessment (including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities and nursing intervention in selected pediatric medical disorders of child with: Must Know (40 hrs) <ul style="list-style-type: none"> • Respiratory disorders: upper respiratory tract: choanal atresia, tonsillitis, epistaxis, aspiration, lower respiratory tract: bronchiolitis, bronchopneumonia, asthma, cystic fibrosis • Gastro-intestinal disorders: diarrheal diseases, gastro esophageal reflux Hepatic disorders: hepatitis, Indian childhood cirrhosis, liver transplantation, malabsorption syndrome, malnutrition • Renal / urinary tract disorders: nephrotic syndrome, nephritis, hydronephrosis, hemolyticuremic syndrome, kidney transplantation • Cardio-vascular disorders: Acquired: rheumatic fever, rheumatic heart disease Congenital: cyanotic and acyanotic • Endocrine/metabolic disorders: diabetes insipidus, diabetes 	Lecture Discussion Seminar Quiz Bed side clinics	Short notes Short essay Long essay Clinical assignments

		<p>mellitus - IDDM, NIDDM, hyper and hypo thyroidism, phenylketonuria, galactosemia</p> <ul style="list-style-type: none"> • Neurological disorders: convulsions, meningitis, encephalitis, Guillian-Barre syndrome • Oncological disorders: leukemias, lymphomas, Wilms tumor, nephroblastomas, neuroblastomas, bone tumors, rhabdomyosarcoma, retinoblastoma, hepatoblastoma • Blood disorders: anemias, thalassemias, hemophilia, polycythemia, thrombocytopenia, and disseminated intravascular coagulation • Skin disorders 		
III	40	<p>Assessment Assessment (including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities including cosmetic surgery and nursing interventions in selected pediatric surgical problems / disorders: Must Know (35 hrs)</p> <ul style="list-style-type: none"> • Gastrointestinal system: cleft lip, cleft palate and conditions requiring plastic surgery, tracheo esophageal fistula / atresia, Hirschsprungs' disease/ megacolon, malrotation, intestinal obstruction, duodenal atresia, gastrochisis, exomphalus, anorectal malformation, omphalocele, diaphragmatic hernia • Anomalies of the nervous' system: spina bifida, meningocele, myelomeningocele, hydrocephalus • Anomalies of the genito-urinary system: hypospadias, epispadias, Undescended testes, exstrophy 	<p>Lecture Demonstration Seminar Bed side clinics</p>	<p>Short notes Short essay Clinical assignments</p>

		bladder <ul style="list-style-type: none"> • Anomalies of the skeletal system • Nursing management of the child with traumatic injuries: general principles of managing pediatric trauma • Head injury, abdominal injury, poisoning, foreign body obstruction, burns & bites • Management of stomas, catheters and tubes • Management of wounds and drainages Desirable to Know (05 hrs) <ul style="list-style-type: none"> • Child with oncological disorders: solid tumors of childhood, Hodgkin's / Non-Hodgkin's lymphoma 		
IV	15	Intensive care for pediatric clients Must Know (10 hrs) <ul style="list-style-type: none"> • Resuscitation, stabilization & monitoring of pediatric patients • Anatomical & physiological basis of critical illness in infancy and childhood • Care of child requiring longterm ventilation, nutritional needs of critically ill child Desirable to Know (05 hrs) <ul style="list-style-type: none"> • Legal and ethical issues in pediatric intensive care • Intensive care procedures, equipment, techniques, documentation 	Lecture Demonstration Seminar Bed side clinics	Short notes Short essay Clinical assignments
V	10	Developmental disturbances and implications for nursing Must Know (02 hrs) <ul style="list-style-type: none"> • Learning disabilities Should Know (06 hrs) <ul style="list-style-type: none"> • Adjustment reaction to school • Habit disorders, speech disorders • Conduct disorders • Early infantile autism, attention deficit hyperactive disorders 	Lecture Demonstration Seminar Field visits	Short notes Short essay Clinical assignments

		(ADHD) Desirable to Know (02 hrs) • Depression and childhood schizophrenia		
VI	10	Challenged child and implications for nursing Must Know (07 hrs) • Physically challenged, causes, features, early detection & management • Mentally challenged child Desirable to Know (03 hrs) • Cerebral palsied child • Training & rehabilitation of challenged children	Lecture Demonstration Seminar Field visits	Short notes Short essay Clinical assignments
VII	5	Crisis and nursing intervention Must Know (05 hrs) • The hospitalized child • Terminal illness & death during childhood • Nursing intervention-counseling	Lecture Demonstration Seminar Field visits	Short notes Short essay Clinical assignments
VIII	5	Drugs used in Pediatrics Must Know (02 hrs) • Criteria for dose calculation • Administration of drugs, oxygen and blood Should Know (02 hrs) • Adverse effects and their management. Desirable to Know (01 hrs) • Drug interactions	Lecture Demonstration Field visits Quiz Project work	Short notes Short essay Clinical assignments
IX	10	Administration and management of pediatric care unit Must Know (07 hrs) • Staffing, equipment, supplies, • Practice standards for pediatric care unit, documentation Should Know (02 hrs) • Norms, policies and protocols Desirable Know (01 hr) • Design & layout	Lecture Demonstration Field visits Quiz	Short notes Short essay Clinical assignments
X	10	Education and training in Pediatric care Must Know (6 hrs)	Workshop	Short notes Short essay

		<ul style="list-style-type: none">• Staff orientation, training and development Desirable to know (4 hrs)• In-service education program, Clinical teaching programs		
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SYLLABUS

PG Programme- M. Sc. Nursing –Psychiatric (Mental Health) Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 203		
Teaching Hours	:	Theory	150 hours	Credit Hours : 10
	:	Practical	950 hours	Credit Hours : 32
Total	:	1100 hours		: 42

Course Description

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

Objectives

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

1. Apply the nursing process in the care of patients with mental disorders in hospital and community
2. Demonstrate advanced skills/competence in nursing management of patients with mental disorders
3. Identify and care for special groups like children, adolescents, women, elderly, abused and neglected, people living with HIV/AIDS.
4. Identify and manage psychiatric emergencies.
5. Provide nursing care to critically ill patients with mental disorders
6. Utilize the recent technology and various treatment modalities in the management of patients with mental disorders
7. Demonstrate skills in carrying out crisis intervention.
8. Appreciate the legal and ethical issues pertaining to psychiatric nursing.
9. Identify areas of research in the field of psychiatric nursing.
10. Prepare a design for layout and describe standards for management of psychiatric units/emergency units/hospitals
11. Teach psychiatric nursing to undergraduate students & in-service nurses.

Course Content

Unit	Hours	Content	Teaching Learning Method	Evaluation
I	2	Principles and practice of Psychiatric nursing Must know (2 hrs) <ul style="list-style-type: none"> Review of principles and practice of psychiatric nursing 	Lecture Discussion	Short notes
II	10	Crisis Intervention Must Know (6 hrs) <ul style="list-style-type: none"> Crisis, definition, phases in the development of a crisis Types of crisis, dispositional, anticipated life transitions Traumatic stress, maturational/development, reflecting Psychiatric emergencies and their management Crisis intervention - phases Desirable to Know (2 hrs) <ul style="list-style-type: none"> Post-traumatic stress disorder (PTSD) - role of nurse Grief and grief reaction Nice to Know (2 hrs) <ul style="list-style-type: none"> Psychopathology 	Lecture Discussion Seminar	Short notes Short essay Long essay
III	4	Anger/ Aggression Management Must Know (4 hrs) <ul style="list-style-type: none"> Anger and aggression, types, predisposing factors Management, role of nurse 	Lecture Discussion Panel discussion	Short notes Short essay Long essay
IV	5	The Suicide Client Must Know (5 hrs) <ul style="list-style-type: none"> Epidemiological factors, risk factors, predisposing factors Theories of suicide - psychological, sociological, biological Nursing management 	Lecture Discussion Seminar	Short notes Short essay Long essay
V	5	Disorders of Infancy, Childhood, and Adolescence Must know (04 hrs) <ul style="list-style-type: none"> Mentally challenged, autistic 	Lecture Discussion Presentation Process	Short notes Short essay Long essay

		<p>disorders, attention deficit/hyperactivity disorder, conduct disorders, behavioral disorders</p> <ul style="list-style-type: none"> • Separation anxiety disorder • Psychopharmacological intervention and nursing management <p>Desirable to know (01 hr)</p> <ul style="list-style-type: none"> • Oppositional defiant disorder, Tourette's disorders 	recording clinical practice	
VI	5	<p>Delirium, Dementia and Amnestic Disorders</p> <p>Must know (05 hrs)</p> <ul style="list-style-type: none"> • Delirium, dementia, amnesia • Psychopharmacological intervention and nursing management 	Lecture Discussion, Seminar Supervised clinical practice	Short notes Short essay Long essay
VII	10	<p>Substance related Disorders</p> <p>Must know (08 hrs)</p> <ul style="list-style-type: none"> • Substance use disorders, induced disorders • Classes of psychoactive substances, predisposing factors • Treatment modalities for substance-related disorders, nursing management <p>Desirable to know (02 hrs)</p> <ul style="list-style-type: none"> • The dynamics of substance-related disorders, the impaired nurse • Co-dependency 	Lecture Discussion Seminar Case presentation Psychodrama clinical practice	Short notes Short essay
VIII	10	<p>Schizophrenia and Other Psychotic Disorders (Check ICD10)</p> <p>Must know (06 hrs)</p> <ul style="list-style-type: none"> • Nature of the disorder, predisposing factors • Types - disorganized, catatonic, paranoid, undifferentiated, residual <p>Desirable to know (04 hrs)</p> <ul style="list-style-type: none"> • Other psychotic disorders • Schizoaffective, brief psychotic, schizophrenic form disorder • Psychotic disorder due to a general 	Lecture Discussion Seminar Supervised clinical practice Clinical assignment	Short notes Short essay Long essay

		<p>medical condition</p> <ul style="list-style-type: none"> • Substance induced psychotic disorder, treatment and nursing management 		
IX	8	<p>Mood Disorders Must know (08 hrs)</p> <ul style="list-style-type: none"> • Historical perspective, epidemiology, grief response • Maladaptive responses to loss • Types of mood disorders, depressive disorders, bipolar disorders • Treatment and nursing management 	<p>Lecture Discussion Supervised clinical practice</p>	<p>Short notes Short essay Long essay</p>
X	8	<p>Anxiety Disorders Must know (07 hrs)</p> <ul style="list-style-type: none"> • How much is too much? • Types: panic disorder, generalized anxiety disorder, phobias • Obsessive compulsive disorder, post-traumatic stress disorder • Anxiety disorder due to a general medical condition • Substance induced anxiety disorder • Treatment modalities, psychopharmacology, nursing management <p>Desirable to know: 01 hours</p> <ul style="list-style-type: none"> • Historical aspects, epidemiological statistics 	<p>Lecture Discussion Seminar Practice session of various psychotherapy Clinical practice</p>	<p>Short notes Short essay Long essay</p>
XI	5	<p>Somatoform and Sleep Disorders Must know (05 hrs)</p> <ul style="list-style-type: none"> • Somatoform disorders, historical aspects • Epidemiological statistics, pain disorder, hypochondriasis, sleep disorder • Treatment modalities and nursing management <p>Desirable to know (01 hr)</p> <ul style="list-style-type: none"> • Body dysmorphic disorder, conversion disorder 	<p>Lecture Discussion Panel discussion Group activity</p>	<p>Short notes Short essay Long essay</p>

XII	4	Dissociative Disorders and Management Desirable to know (04 hrs) <ul style="list-style-type: none"> • Historical aspects, epidemiological statistics • Treatment modalities, nursing management and its application 	Lecture Discussion Seminar Panel discussion	Short notes Short essay Long essay
XIII	4	Sexual and Gender Identity Disorders Must know (04 hrs) <ul style="list-style-type: none"> • Development of human sexuality, sexual disorders • Variation in sexual orientation, nursing management 	Lecture Discussion Panel discussion	Short notes Short essay Long essay
XIV	4	Eating Disorders Must know (04 hrs) <ul style="list-style-type: none"> • Epidemiological factors, predisposing factors : anorexia nervosa, bulimia nervosa, obesity, psychopharmacology, treatment & nursing management 	Lecture Discussion Seminar Panel discussion	Short notes Short essay Long essay
XV	4	Adjustment and Impulse Control Disorders Must know (03 hrs) <ul style="list-style-type: none"> • Adjustment disorders, impulse control disorders • Treatment & nursing management Desirable to know (01 hr) <ul style="list-style-type: none"> • Historical and epidemiological factors 	Lecture Panel discussion	Short notes Short essay Long essay
XVI	4	Medical Conditions due to Psychological Factors Must know (04 hrs) <ul style="list-style-type: none"> • Asthma, cancer, coronary heart disease, peptic ulcer, essential hypertension • Migraine headache, rheumatoid arthritis, ulcerative colitis • Treatment & nursing management 	Lecture Symposium Seminar	Short notes Short essay Long essay
XVII	8	Personality Disorders Must know (07 hrs) Identification, diagnostic, symptoms, Psychopharmacology, treatment & nursing management	Lecture Symposium Seminar Panel discussion	Short notes Short essay Long essay

		<ul style="list-style-type: none"> Types of personality disorders : paranoid, schizoid, antisocial, borderline, histrionic, narcissistic, avoidance, dependent, obsessive compulsive personality disorder, passiveaggressive personality disorders <p>Desirable to know (01 hr)</p> <ul style="list-style-type: none"> Historical perspectives 		
XVIII	8	<p>The Aging Individual Must know (07 hrs)</p> <ul style="list-style-type: none"> Biological, psychological, socio-cultural and sexual aspects of aging Memory functioning, special concerns of the elderly population Psychiatric problems among elderly population Treatment & nursing management <p>Desirable to know (01 hr)</p> <ul style="list-style-type: none"> Epidemiological statistics, biological theories 	Lecture Symposium Seminar	Short notes Short essay Long essay
XIX	5	<p>Person living with HIV disease Must know (05 hrs)</p> <ul style="list-style-type: none"> Psychological problems of individual HIV/AIDS Counseling, treatment & nursing management 		
XX	5	<p>Problems related to abuse or neglect Must know (05 hrs)</p> <ul style="list-style-type: none"> Vulnerable groups, women, children, elderly, psychiatricpatients, under privileged, challenged, predisposing factors Treatment & nursing management - counseling 	Lecture Symposium	Short notes Short essay Long essay
XXI	7	<p>Community Mental Health Nursing Must know (06 hrs)</p> <ul style="list-style-type: none"> National mental health program, community mental health program The changing focus of care, public health model, role of nurse The community as client : primary prevention, populations at risk, 	Lecture Seminar Filed visit	Short notes Short essay Long essay

		secondary prevention, tertiary prevention, case management Desirable to know (01 hr) • Community based rehabilitation		
XXII	5	Ethical and Legal Issues in Psychiatric/Mental Health Nursing Must know (05 hrs) • Ethical and legal considerations • Nurse Practice Acts • Types of law • Classification within Statutory and Common law • Legal issues in psychiatric/mental health nursing, nursing liability	Lecture Panel discussion Seminar	Short notes Short essay Long essay
XXIII	5	Psychosocial rehabilitation Must know (05 hrs) • Principles of rehabilitation, disability assessment, day care centers • Half way homes, reintegration into community, correctional homes • Training and support to care givers, sheltered workshops	Lecture, Symposium Seminar Panel discussion Clinical practice Field visit	Short notes Short essay
XXIV	5	Counseling Must know (05 hrs) • Liaison psychiatric nursing, terminal illnesses, counseling • Post-partum psychosis-treatment, care and counseling • Death dying- counseling • Treatment, care and counseling - unwed mothers, HIV and AIDS	Lecture Seminar Clinical practice	Short notes Short essay Long essay
XXV	5	Administration and management of psychiatric units including emergency units Must know (05 hrs) • Design & layout, staffing, equipment, supplies, norms, policies and protocols • Quality assurance, practice standards for psychiatric nursing, documentation	Lecture Seminar Project work	Short notes Short essay Long essay

XXVI	5	Education and training in psychiatric care Must know (05 hrs) <ul style="list-style-type: none"> • Staff orientation, training and development • In-service education program, clinical teaching programs 	Lecture Discussion Field visit Orientation	Short notes Short essay Long essay
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SYLLABUS

PG Programme- M. Sc. Nursing –Community Health Nursing Clinical Speciality-II

Placement	:	Second Year		
Course Code	:	MNU 203		
Teaching Hours	:	Theory	150 hours	Credit Hours : 10
	:	Practical	950 hours	Credit Hours : 32
Total	:	1100 hours		: 42

Course Description

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

Objectives

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

1. Appreciate trends and issues related to community health nursing reproductive and child health, school health, occupational health, international health, rehabilitation, geriatric and mental health
2. Apply epidemiological concepts and principles in community health nursing practice
3. Perform community health assessment and plan health programs
4. Describe the various components of reproductive and child health programme
5. Demonstrate leadership abilities in organizing community health nursing services by using inter-sectoral approach
6. Describe the role and responsibilities of community health nurse in various national health and family welfare programs
7. Participate in the implementation of various national health and family welfare programme
8. Demonstrate competencies in providing family centered nursing care independently

9. Participate/ conduct research for new insights and innovative solutions to health problems
10. Teach and supervise nurses and allied health workers.
11. Design a layout of sub center / primary health center / community health Centre and develop standards for community health nursing practice.

Course content

Unit	Theory Hours	Content	Teaching Learning method	Evaluation
I	20	<p>Epidemiology Must know: 15 hrs</p> <ul style="list-style-type: none"> • Concepts, scope, definition, trends, history, development of modern epidemiology. contribution of epidemiology • Epidemiological methods, measurement of health and disease, • Epidemiological approaches: study of disease causatives, health promotion, levels of prevention. • Epidemiology of communicable diseases and non-communicable diseases Health information system, epidemiology study and reports • Role of community health nurse <p>Desirable to Know:03 hrs</p> <ul style="list-style-type: none"> • Implications, health policies, emerging and re-emerging disease epidemics <p>Nice to Know: 2 hrs</p> <ul style="list-style-type: none"> • National Integrated disease, surveillance programme 	<p>Lecture Seminar Discussion Group activity Health education</p>	<p>Short notes Short essay Long essay</p>
II	40	<p>National Health and Family welfare programmes Must know: 35 hrs</p> <ul style="list-style-type: none"> • Objectives, organization/manpower/ resources, activities, goals, inter sectoral approach, item/purpose, role and responsibilities of 	<p>Lecture Seminar Discussion Group activity Health education Field visit</p>	<p>Short notes Short essay Long essay</p>

		<p>community health nurse</p> <ul style="list-style-type: none"> • National vector borne disease control programme • National filaria control programme, National leprosy eradication programme • Revised national TB control programme, National mental health programme • National programme for control of blindness • National AIDS control programme • National iodine deficiency control programme • National cancer control programme, NRHM <p>Desirable to Know:05 hrs</p> <ul style="list-style-type: none"> • Health Schemes: ESI, CGHS, health Insurance 		
III	15	<p>School Health Must know: 14 hrs</p> <ul style="list-style-type: none"> • Introduction: definition, concepts, objectives • Health assessment, screening, identification, referral and follow up • Safe environment, services, programmers', plans - first aid, treatment of minor ailments, adolescent health • School health records: maintenance and its importance • Role and responsibilities of community health nurse <p>Desirable to Know:01 hr</p> <ul style="list-style-type: none"> • Intersectoral co-ordination 	<p>Lecture Seminar Discussion Group activity Health education Child to child program School health program Disaster drill</p>	<p>Short notes Short essay Long essay</p>
IV	15	<p>International Health Must know: 12 hours</p> <ul style="list-style-type: none"> • Global health priorities and programmers, international quarantine • International cooperation and assistance • Health and food legislation, laws, 	<p>Lecture Seminar Discussion Group activity Health education Field visit to health agency</p>	<p>Short notes Short essay Long essay</p>

		<p>adulteration of food</p> <ul style="list-style-type: none"> • Disaster: preparedness, management, guidance, counseling, management • International health agencies: World Health Assembly • International nursing practice standards • International health vis a vis national health • International health days and their significance <p>Desirable to Know: 01 hr</p> <ul style="list-style-type: none"> • Health tourism, International travel and trade, migration <p>Nice to Know: 02 hrs</p> <ul style="list-style-type: none"> • Global burden of diseases, global health rules and halt disease spread • International health issues and problem 		
V	15	<p>Education and Administration</p> <p>Must know: 10 hrs</p> <ul style="list-style-type: none"> • Quality assurance. standards, protocols, policies and procedures • Infection control: standard safety measures, nursing audit, staffing, supervision and monitoring performance • Role and responsibilities of different categories of personnel in community health • Referral chain, community outreach services transportation, public relations • Planning in service education programme and teaching • Training of various categories of health worker - preparation of manuals <p>Desirable to Know: 03 hrs</p> <ul style="list-style-type: none"> • Budgeting, material management, transportation <p>Nice to Know: 02 hrs</p>	<p>Lecture Seminar Discussion Administration Supervised PHC practice</p>	<p>Short notes Short essay Long essay</p>

		<ul style="list-style-type: none"> • Design of sub centre, primary health centre, community health centre 		
VI	10	<p>Geriatric Must know: 06 hrs</p> <ul style="list-style-type: none"> • Concepts, trends, problems and issues • Aging process and changes, health problems, needs, health assessment • Psycho physical stressors, disorders, rehabilitation and care of elderly • Training and supervision of care givers • Role and responsibilities of geriatric nurse in the community <p>Desirable to Know: 04 hrs</p> <ul style="list-style-type: none"> • Myths and facts of aging, elderly abuse • Government welfare measures-programmers' for elderly and role of NGOs • Theories of aging 	<p>Lecture Seminar Discussion Health education Field visit to health old age home Group project</p>	<p>Short notes Short essay Long essay</p>
VII	10	<p>Rehabilitation Must know: 10 hrs</p> <ul style="list-style-type: none"> • Introduction: concept, principles, trends and issues rehabilitation team Community based rehabilitation, psychological rehabilitation • Rehabilitation of client with chronic disease conditions • Restorative rehabilitation, vocational rehabilitation • Role of voluntary organizations, guidance and counseling • Role, responsibilities of community health nurse, ethical issues, welfare measures • Disability and rehabilitation – use of various prosthetic devices • Modes and methods, rehabilitation council of India 	<p>Lecture Seminar Discussion Group activity Health education Field visit to Rehabilitation Centre</p>	<p>Short notes Short essay Long essay</p>

VIII	10	<p>Community Mental Health Must know: 09 hrs</p> <ul style="list-style-type: none"> • Magnitude, trends and issues, community mental health programme • Collaborative management, crisis intervention, welfare agencies • The community as a client: primary prevention, population at risk, secondary prevention, tertiary prevention and community based rehabilitation • Human rights of mentally ill, role of community health nurse <p>Desirable to Know:01 hr</p> <ul style="list-style-type: none"> • The changing focus of care, the public health model 	Lecture Seminar Discussion Group activity	Short notes Short essay Long essay
IX	15	<p>Occupational Health Must know: 12 hrs</p> <ul style="list-style-type: none"> • Introduction: trends, issues, definition, aims, objectives, workplace safety, Ergonomics, ergonomic solutions • Occupational environment – physical, social, decision making, critical thinking. Occupational hazards for different categories of people- physical, chemical, biological, mechanical, accidents, occupational diseases and disorders Measures for health promotion of workers: prevention of occupational diseases, disability limitation and rehabilitation. • Women and occupational health, occupational education and counseling • Child labor,ILO and WHO recommendations, Factories Act, ESIS Act • Disaster preparedness and management, role of community health nurse <p>Desirable to Know: 03 hrs</p>	Lecture Seminar Discussion Group activity Health education Field visit to industry	Short notes Short essay Long essay

		<ul style="list-style-type: none"> • Legal issues: legislation, labor unions, role of occupational health team • Violence at work place 		
X	5	<p><i>Panchakarma : 5 Hours</i></p> <ul style="list-style-type: none"> • <i>Introduction</i> • <i>Health and wellbeing</i> • <i>Principles of ayurveda therapies</i> • <i>Pre panchakarma procedures and instruments used</i> • <i>Various types: Vamana, Virechana, Nasya, Basti and Panchakarma (raktamoskshana) diet</i> • <i>Effects and benefits</i> • <i>Contraindications</i> • <i>Complications and their management</i> • <i>Evidence based practices in panchakarma</i> 	<p><i>Lecture</i> <i>Seminar</i> <i>Discussion</i> <i>Group activity</i> <i>Health education</i> <i>Field visit to</i> <i>Centre of</i> <i>Holistic services</i></p>	<p><i>Short notes</i> <i>Short essay</i> <i>Long essay</i></p>

*** The above have been added under the heading "Panchakarma- Unit No X" as per Academic Council Resolution No. AC/2020/D-13 (iii),dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**



PRAVARA INSTITUTE OF MEDICAL SCIENCES
(DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736

NAAC Re-accredited with 'A' Grade

SYLLABUS

PG Programme- M. Sc. Nursing -Universal Human Values
Personality Development

Placement : Second Year
Teaching Hours : 30 hours Credit Hours : 01

Unit	Practical Hours	Content	Teaching Learning method	Evaluation
I	30 hours	<p>Must know: 25 hrs</p> <ul style="list-style-type: none"> • The extended family • Society and the community • Managing one's affairs with rectitude of conduct • Rectitude of conduct • Creating environments of unity built on diversity • Unity of action • Exercising initiative in a disciplined and creative way <p>Desirable to know: 5 hrs</p> <ul style="list-style-type: none"> • Fostering initiative 	<p>Workshop Case study discussion Video assisted learning (YouTube case scenarios)</p>	Clinical observation



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SYLLABUS

PG Programme- M. Sc. Nursing -Bioethics

Placement : Second Year
Teaching Hours : 30 hours Credit Hours : 02

Course Description: The course is designed to enable students to develop an understanding the concepts of bioethics

Unit	Theory Hours	Content	Teaching Learning method	Evaluation
I	12	<p>Must know: 10 hrs 5 hours</p> <ul style="list-style-type: none"> • Medical bioethics • Autonomy, beneficence and non-maleficence • Medical confidentiality, Nuremberg Code, privacy • Medical research ethics, informed consent <p>Desirable to know: 2 hrs</p> <ul style="list-style-type: none"> • Animal ethics, whistleblower, biocentrism 	Lecture Panel discussion Workshop VAL	Clinical observation
II	10	<p>Must know: 06 hrs</p> <ul style="list-style-type: none"> • Human decomposition, organ donation • Human rights, immortality • Nightingale pledge <p>Desirable to know: 04 hrs</p> <ul style="list-style-type: none"> • Embalming • Religious practices of embalming • Eugenics and euthanasia • Medical futility 	Lecture Panel discussion Video assisted case scenarios (Video Assisted learning VAL) Workshop	Clinical observation

III	04	Must know: 4 hrs <ul style="list-style-type: none"> • Dichotomy and prudence • Duty to rescue (Good Samaritan) • The right to information Act (RTI) 	Reference reading Workshop VAL	Group activity
IV	04	Must know: 3 hrs <ul style="list-style-type: none"> • Clinical ethics, professionalism Desirable to know: 1 hr <ul style="list-style-type: none"> • Public health ethics 	Lecture Discussion Workshop	Group activity

