

DAYANANDA SAGAR UNIVERSITY

Shavige Malleshwara Hills, Kumaraswamy Layout,
Bengaluru - 560078, Karnataka.

SCHOOL OF HEALTH SCIENCES

COLLEGE OF NURSING SCIENCES



SCHEME & SYLLABUS FOR MASTER OF SCIENCE (NURSING)- M.SC.(N)

(With Effect from 2016-17)

**SCHOOL OF HEALTH SCIENCES
COLLEGE OF NURSING SCIENCES
PROGRAMME: MASTER OF SCIENCE – NURSING (M.Sc. – N) - 2016-17
YEAR – 1**

SL. NO.	COURSE CODE	COURSE TITLE	CR / AU	NO. OF CONTACT HOURS		SCHEME OF EVALUATION			
				LECTURE	PRACTICAL	IA TEST	END EXAM		
1	16MSN101	NURSING EDUCATION	CR	150	--	25	75		
2	16MSN102	ADVANCE NURSING PRACTICE	CR	150	200	25	75		
3	16MSN103	NURSING RESEARCH	CR	150	100	15	25	50	75
4	16MSN104	STATISTICS	CR	50	50	10		25	
CLINICAL SPECIALITY – I			CR	150	--	25	75		
5	16MSN105	MEDICAL SURGICAL NURSING							
6	16MSN106	OBSTETRIC AND GYNECOLOGICAL NURSING							
7	16MSN107	CHILD HEALTH NURSING							
8	16MSN108	MENTAL HEALTH NURSING							
9	16MSN109	COMMUNITY HEALTH NURSING							
10	16MSN171	NURSING EDUCATION	CR	--	150	50	50		
CLINICAL SPECIALITY – I			CR	--	650	100	100		
11	16MSN172	MEDICAL SURGICAL NURSING							
12	16MSN173	OBSTETRIC AND GYNECOLOGICAL NURSING							
13	16MSN174	CHILD HEALTH NURSING							
14	16MSN175	MENTAL HEALTH NURSING							
15	16MSN176	COMMUNITY HEALTH NURSING							
GRAND TOTAL = 700				600	1100	230	470		
16	16MSN191	SELF – STUDY / LIBRARY	AU	--	50	--	--		

Note: CR – Credit, AU – Audit, IA – Internal Assessment

**SCHOOL OF HEALTH SCIENCES
COLLEGE OF NURSING SCIENCES
PROGRAMME: MASTER OF SCIENCE – NURSING (M.Sc. – N) - 2016-17
YEAR – 2**

SL. NO.	COURSE CODE	COURSE TITLE	CR / AU	NO. OF CONTACT HOURS		SCHEME OF EVALUATION	
				LECTURE	PRACTICAL	IA TEST	END EXAM
1	16MSN201	Nursing Management	CR	150	150	25	75
CLINICAL SPECIALTY - II			CR	150	--	25	75
2	16MSN202	Medical Surgical Nursing					
	16MSN202 – A	Cardio Vascular & Thoracic Nursing					
	16MSN202 – B	Critical care Nursing					
	16MSN202 – C	Oncology Nursing					
	16MSN202 – D	Neurosciences Nursing					
	16MSN202 – E	Nephro – Urology Nursing					
	16MSN202 – F	Orthopedic Nursing					
	16MSN202 – G	Gastro Enterology Nursing					
3	16MSN203	Obstetric & Gynecological Nursing					
4	16MSN204	Child Health Nursing					
5	16MSN205	Mental Health Nursing					
6	16MSN206	Community Health Nursing					
CLINICAL SPECIALTY - II			CR	--	950	100	100
7	16MSN271	Medical Surgical Nursing					
	16MSN271 – A	Cardio Vascular & Thoracic Nursing					
	16MSN271 – B	Critical care Nursing					
	16MSN271 – C	Oncology Nursing					
	16MSN271 – D	Neurosciences Nursing					
	16MSN271 – E	Nephro – Urology Nursing					
	16MSN271 – F	Orthopedic Nursing					
	16MSN271 – G	Gastro Enterology Nursing					
8	16MSN272	Obstetric & Gynecological Nursing					
9	16MSN273	Child Health Nursing					
10	16MSN274	Mental Health Nursing					
11	16MSN275	Community Health Nursing					
12	16MSN276	Dissertation	CR	--	300	100	100
GRAND TOTAL = 600				300	1400	250	350

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN101
TITLE OF THE COURSE : NURSING EDUCATION - THEORY
L: T/A: P: C : 150:2: 150: 0

COURSE OBJECTIVES:

1. To assist students to develop a broad understanding of Fundamental Principles, concepts, trends and issues related to education and nursing education.
2. 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.

COURSE OUTCOMES:

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

UNIT -1**10 Hrs.**

Introduction: Education - Definition, aims, concepts, philosophies & their education implications, Impact of Social, economical, political & technological changes on education, Professional education, Current trends and issues in education, Educational reforms and National Educational policy, various educational commissions-reports, Trends in development of nursing education in India.

UNIT -2**20Hrs.**

Teaching – Learning Process: 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, Instruction strategies – Lecture, discussion, demonstration, simulation, laboratory, seminar, panel, symposium, problem solving, problem based learning (PBL), workshop, project, role-play(socio drama), clinical teaching methods, programmed instruction, self-directed learning(SDL), micro teaching, computer assisted instruction(CAI), computer assisted learning (CAL).

UNIT -3**10Hrs.**

Instructional media and methods : 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, multimedia, video-tele conferencing etc.

UNIT -4**10 Hrs.**

Measurement and evaluation : 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 disadvantage, Criterion and norm referenced evaluation.

UNIT -5**12Hrs.**

Standardized and non-standardized tests: Meaning, characteristics, objectivity, validity, reliability, usability, norms, construction of tests- Essay, short answers questions and multiple choice questions, Rating scales, checklist, OSCE/OSPE (Objective structured clinical/practical examination), Differential scales, and summated scales, sociometry, anecdotal record, attitude scale, critical incident technique, Question bank-preparation, validation, moderation by panel, utilization, Developing a system for maintaining confidentiality.

UNIT -6 **8 Hrs.**

Administration, Scoring and Reporting: Administering a test; scoring, grading versus marks, Objective tests, scoring essay test, methods of scoring, Item analysis.

UNIT -7 **12 Hrs.**

Standardized Tools: Tests of intelligence aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities.

UNIT -8 **5 Hrs.**

Nursing Educational programs: Perspectives of nursing education - Global and national, Patterns of nursing education and training programmes in India, Non-university and University programs: ANM, GNM, Basic B.Sc. Nursing, Post Certificate B.Sc. Nursing, M.Sc. (N) programs, M.Phil. and Ph.D.) in Nursing, post basic diploma programs, nurse practitioner programs.

UNIT -9 **12Hrs.**

Continuing Education in Nursing :Concepts – Definition, importance, need scope, principles of adult learning, assessments of learning needs, priorities, resources, Program planning, implementation and evaluation of continuing education programs, Research in continuing education, Distance education in nursing.

UNIT -10 **10Hrs.**

Curriculum Development :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, statutory bodies and other stakeholders, Equivalency of courses: Transcripts, credit system.

UNIT -11 **8 Hrs.**

Teacher preparation: Teacher – roles & responsibilities, functions, characteristics, competencies, qualities, Preparation of professional teacher, Organizing professional aspects of teacher preparation programs, Evaluation: self and peer, Critical analysis of various programs of teacher education in India.

UNIT -12 **10 Hrs.**

Guidance and counseling: 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. Professional preparation and training for counseling.

UNIT -13

15Hrs.

Administration of Nursing Curriculum: Role of curriculum coordinator – planning, implementation and evaluation. Evaluation of educational programs in nursing course and program. Factors influencing faculty staff relationship and techniques of working together. Concept of faculty supervisor (dual) position. Curriculum research in nursing. Different models of collaboration between education and service.

UNIT-14

10Hrs.

Management of nursing educational institutions: Planning, organizing, staffing, budgeting, recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel.

UNIT -15

5Hrs.

Development and maintenance of standards and accreditation in nursing education programs : Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University, Role of Professional associations and unions.

TEXT BOOK:

1. F.R.Abbatt, Teaching for Better Learning, 2nd Edition, W.H.O, Geneva 1992
2. Veerabhadrapa, The short Text Book of Nursing Education, 1st Edition, Jaypee Brothers Publication, 2011.
3. Heidgerkein, Teaching and learning in Schools of Nursing, 2nd Edition, J.B.Lipincott publication, Philadelphin.
4. J.J.Gilbert, Educational Hand Book for Health Personnel, W.H.O.
5. Bastable, Nurse as Eductor, Principles of Teaching and Learning for Nursing Practices, Jones and Barlett publications 2003.
6. Verginia.C.Conley, Curriculum and instruction in Nursing, Little Brown & Co publication, New Delhi.

REFERENCE BOOK:

1. Neeraja, Text Book of Communication and Education technology for nurses, 1st Edition, Jaypee Brothers Publication, 2011.
2. Sankaranarayanan, Learning and teaching nursing, 4th Edition, Jaypee Brothers Publication, 2012.
3. Ananth Krishnan, N.Setguraman, K.R.Santosh Kumar, Medical Education Principles and Practice, 2nd Edition, National Teacher Training Centre publication, Pondicherry, 2000.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN102
TITLE OF THE COURSE : ADVANCE NURSING PRACTICE
L: T/A: P: C : 150:2: 200: 0

COURSE OBJECTIVES: Develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

COURSE OUTCOMES:

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.

UNIT -1

10 Hrs.

Nursing as a Profession: History of development of nursing profession, characteristics, criteria of the profession, perspective of nursing profession-national, global, Code of ethics(INC), code of professional conduct(INC), autonomy and accountability, assertiveness, visibility of nurses, legal considerations, Role of regulatory bodies, Professional organizations and unions-self-defense, individual and collective bargaining, Educational preparations, continuing education, career opportunities, professional advancement & role and scope of nursing education, Role of research, leadership and management, Quality assurance in nursing (INC), Futuristic nursing.

UNIT-2**5 Hrs.**

Health care delivery: Health care environment, economics, constraints, planning process, policies, political process vis a vis nursing profession, Health care delivery system-national, state, district and local level, Major stakeholders in the health care system-Government, non-govt, Industry and other professionals, Patterns of nursing care delivery in India, Health care delivery concerns, national health and family welfare programs, inter-sectoral coordination, role of nongovernmental agencies, Information, education and communication (IEC), Tele-medicine.

UNIT -3**10 Hrs.**

Genetics : Review of cellular division, mutation and law of inheritance, human genome project, The Genomic era, Basic concepts of Genes, Chromosomes & DNA, Approaches to common genetic disorders, Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening, Ethical, legal & psychosocial issues in genetic testing, Genetic counseling, Practical application of genetics in nursing.

UNIT -4**10 Hrs.**

Epidemiology : Scope, epidemiological approach and methods, Morbidity, mortality, Concepts of causation of diseases and their screening, Application of epidemiology in health care delivery, Health surveillance and health informatics, Role of nurse.

UNIT - 5**20 Hrs.**

Bio-Psycho social pathology : Pathophysiology and Psychodynamics of disease causation, Life processes, homeostatic mechanism, biological and psycho-social dynamics in causation of disease, life style, Common problems - Oxygen insufficiency, fluid and electrolyte imbalance, nutritional problems, hemorrhage and shock, altered body temperature, unconsciousness, sleep pattern and its disturbances, pain, sensory deprivation, Treatment aspects: pharmacological and pre- post-operative care aspects, Cardio pulmonary resuscitation, End of life Care, Infection prevention (including HIV) and standard safety measures, bio-medical waste management, Role of nurse, Evidence based nursing practice, Best practices, Innovations in nursing.

UNIT - 6**20 Hrs.**

Philosophy and Theories of Nursing: Values, Conceptual models, approaches, Nursing theories : Nightingale's, Henderson's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Neumann's, Roy's, Watson's, etc and their applications, Health belief models, communication and management etc., Concept of Self health, Evidence based practice model.

UNIT -7**10Hrs.**

Nursing process approach : Health Assessment- illness status of patients/clients (Individuals, family, community), Identification of health illness problems, health behaviors, signs 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.

UNIT - 8**30 Hrs.**

Psychological aspects and Human relations : Human behavior, Life processes & growth and development, personality development, defense mechanisms, Communication, interpersonal relationships, individual and group, group dynamics, and organizational behavior, Basic human needs, Growth and development, (Conception through preschool, School age through adolescence, Young & middle adult, and Older adult), Sexuality and sexual health, Stress and adaptation, crisis and its intervention, Coping with loss, death and grieving, Principles and techniques of Counseling.

UNIT - 9**10 Hrs.**

Nursing practice : Framework, scope and trends, Alternative modalities of care, alternative systems of health and complimentary therapies, Extended and expanded role of the nurse in promotive, preventive, curative and restorative health care delivery system in community and institutions, Health promotion and primary health care, Independent practice issues, Independent nurse-midwifery practitioner, Collaboration issues and models-within and outside nursing, Models of Prevention, Family nursing, Home nursing, Gender sensitive issues and women empowerment, Disaster nursing, Geriatric considerations in nursing, Evidence based nursing practice- Best practices, Trans-cultural nursing.

UNIT - 10**25 Hrs.**

Computer applications for patient care delivery system and nursing practice: Use of computers in teaching, learning, research and nursing practice, Windows, MS office: Word, Excel, Power Point, Internet, literature search, Statistical packages, Hospital management information system, and software.

TEXT BOOK:

1. Dugas, Introduction to Patient care, 2nd Edition, W.B.Saunders publication, 2002.
2. Taylor, Fundamental of Nursing, 3rd Edition, Lippincott publication, 2001.
3. Morgen & King, Introduction to Psychology, 7th Edition, Mc.Graw Hill publication, 1993.
4. Inderbir Singh, Human Embryology, 7th Edition, Mc.Millum publication, Delhi, 2001.

5. Park.K, Text book of Preventive and social medicine, 18th Edition, Barasidal Bhanot, Jabalpur, 2005.

REFERENCE BOOK:

1. Potter and Perry, Fundamentals of Nursing, 2nd Edition, Mosby publication, 2001.
2. White Lois, Basic Nursing Foundation, 1st Edition, Delmer publication, Australia, 2002.
3. Joel Lucille.A, Advance Practice Nursing Essentials for Role development, 3rd Edition, FA Davis Publication, 2013.
4. Stanley Joan.M, Advance Practice Nursing Exphasizing common Roles, 3rd Edition, FA Davis Publication, 2014.
5. Parker, Nursing Theories, 1st Edition, Jaypee Brothers Publication, 2007

Practical

Clinical posting in the following areas:

- Specialty area – in – patient unite - 2 weeks
- Community health center / PHC - 2 weeks
- Emergency / ICU - 2 weeks

Activities

- Prepare case studies with nursing process approach and theoretical basis.
- Presentation of comparative picture of theories
- Family case – work using model of prevention
- Annotated bibliography
- Report of field visits (5)

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN103
TITLE OF THE COURSE : NURSING RESEARCH AND STATISTICS
L: T/A: P: C : 100:2: 50: 0

COURSE OBJECTIVES:

1. 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.
2. It will enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

COURSE OUTCOMES:

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.

PART – A - NURSING RESEARCH-THEORY

UNIT -1 **10 Hrs.**
Introduction: 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.

UNIT – 2 **5 Hrs.**
Review of Literature: Importance, purposes, sources, criteria for selection of resources and steps in reviewing literature.

UNIT – 3 **12 Hrs.**
Research Approaches and designs: Type - Quantitative and Qualitative, Historical, survey and experimental –Characteristics, type’s advantages and disadvantages, Qualitative: Phenomenology, grounded theory, ethnography.

UNIT - 4**10 Hrs.**

Research problem: Identification of research problem, Formulation of problem statement and research objectives, Definition of terms, Assumptions and delimitations, Identification of variables, Hypothesis – definition, formulation and types.

UNIT - 5**5 Hrs.**

Developing theoretical/conceptual framework: Theories: Nature, characteristics, Purpose and uses, Using, testing and developing conceptual framework, models and theories.

UNIT - 6**6 Hrs.**

Sampling: Population and sample, Factors influencing sampling, Sampling techniques, Sample size, Probability and sampling error, Problems of sampling.

UNIT - 7**20 Hrs.**

Tools and methods of Data collection: Concepts of data collection, 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.

UNIT - 8**5 Hrs.**

Implementing research plan: Pilot Study, review research plan (design), planning for data collection, administration of tool/interventions, and collection of data.

UNIT - 9**10 Hrs.**

Analysis and interpretation of data : 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.

UNIT - 10**10Hrs.**

Reporting and utilizing research findings: Communication of research results, oral and written, writing research report purposes, methods and style Vancouver, American Psychological Association (APA), Campbell etc., writing scientific articles for publication: purposes & style.

UNIT - 11**3 Hrs.**

Critical analysis of research reports and articles.

UNIT - 12**4 Hrs.**

Developing and presenting a research proposal.

TEXT BOOK:

1. Polit Q Hunglai, Principles of Nursing Research, 7th Edition, Publication, (2003)
2. Basavanthappa, Nursing Research, 1st Edition, Jaypee publications, New Delhi, 1998.
3. Nirmala .V, Research Methodology in Nursing, 1st Edition, Jaypee Brothers publications, New Delhi, 2011.

REFERENCE BOOK:

1. Burns Nancy, Understanding of Research, 2nd Edition, Saunders Publications, Philadelphia, 2002.
2. Fransis C.M, Medical Ethics, 2nd Edition, Jaypee publications, New Delhi, 200

Activities

- Annotated Bibliography of research reports and articles.
- Review of literature of selected topic and reporting
- Formulation of problem statement, objective and hypothesis
- Developing theoretical/conceptual framework.
- Preparation of a sample research tool
- Analysis and interpretation of given data
- Developing and presenting research proposal
- Journal club presentation
- Critical evaluation of selected research studies
- Writing a scientific paper.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN104
TITLE OF THE COURSE : NURSING RESEARCH AND STATISTICS
L: T/A: P: C : 100:2: 50: 0

COURSE OBJECTIVES:

Develop an understanding of the statistical methods and apply them in conducting research studies in nursing.

COURSE OUTCOMES:

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

PART -B: STATISTICS

UNIT - 1 **7 Hrs.**
Introduction : 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.

UNIT - 2 **4 Hrs.**
Measures of central tendency: Mean, Median, Mode.

UNIT - 3 **4 Hrs.**
Measures of variability: Range, Percentiles, average deviation, quartile deviation, standard deviation.

UNIT - 4 **3 Hrs.**
Normal Distribution: Probability, characteristics and application of normal probability curve; sampling error.

UNIT – 5**6 Hrs.**

Measures of relationship: Correlation – need and meaning, Rank order correlation, Scatter diagram method, Product moment correlation, Simple linear regression analysis and prediction.

UNIT – 6**5 Hrs.**

Designs and meaning: Experimental designs, Comparison in pairs, randomized block design, Latin Square.

UNIT - 7**8 Hrs.**

Significance of Statistic and Significance of difference between two Statistics (Testing hypothesis) : Non parametric test – Chi-square test, Sign, median test, Mann Whitney test, Parametric test – ‘t’ test, ANOVA, MANOVA, and ANCOVA.

UNIT – 8**5 Hrs.**

Use of statistical methods in psychology and education: Scaling – Z score, Z Scaling, Standard Score and T Score, Reliability of test Scores: test-retest method, parallel forms, split half method.

UNIT – 9**4 Hrs.**

Application of statistics in health: Ratios, Rates, Trends, Vital health statistics – Birth and death rates, Measures related to fertility, morbidity and mortality.

UNIT – 10**4 Hrs.**

Use of Computers for data analysis: Use of statistical package.

Text Book

1. Sundar Rao, Introduction to Bio Statistics and Research Methods, 5th Edition, Jaypee Brothers Publications, 2009.

Reference Book

1. Sharma Suresh.k, Nursing Research and Statistics, 2nd Edition, Elsevier publications, 2014.

Activities

1. Exercise on organization and tabulation of data.
2. Graphical and tabular presentation of data.
3. Calculation of descriptive and inferential statistics (chi square, t-test, Correlation)
4. Practice in using statistical package
5. Computing vital health statistics.

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN105
TITLE OF THE COURSE : MEDICAL – SURGICAL NURSING
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 650: 0

COURSE OBJECTIVES:

1. Develop expertise and in depth knowledge in the field of medical Surgical Nursing.
2. It will help students to appreciate the patient as a holistic individual and develop skill to function as a specialized Medical-Surgical Nurse.
3. It will enable the student to function as educator, manager and researcher in the field of Medical – Surgical Nursing.

COURSE OUTCOMES:

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 identifies 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.

UNIT – 1**5 Hrs.**

Introduction : 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, Rights of patients, National health policy, special laws & ordinances relating to older people, National goals, Five year plans, National health programs related to adult health.

UNIT – 2**20 Hrs.**

Health Assessment of patients: History taking, Physical examination of various systems, Nutritional assessment, related investigations and diagnostic assessment.

UNIT – 3**5 Hrs.**

Care in hospital settings: Ambulatory care, Acute and Critical care, Long term care, Home Health Care, Characteristics, care models, practice settings, interdisciplinary team, Hospitalization- effects of hospitalization on the patient & family, Stressors & reactions related to disease process, Nursing care using Nursing process approach.

UNIT – 4**10 Hrs.**

Management of patients with disorders of Gastro intestinal tract : Review of anatomy and physiology, Common Disorders-etiology, Patho physiology, Clinical manifestations, Complications, prognosis, Health assessment- History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 5**10 Hrs.**

Management of patients with disorders of nervous system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 6**10 Hrs.**

Management of patients with disorders of respiratory system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 7**10 Hrs.**

Management of patients with disorders of cardio vascular system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 8**5 Hrs.**

Management of patients with disorders of blood : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 9**10 Hrs.**

Management of patients with disorders of genito urinary system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 10**10 Hrs.**

Management of patients with disorders of endocrine system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 11**10Hrs.**

Management of patients with disorders of musculo-skeletal system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 12**8 Hrs.**

Management of patients with disorders of integumentary system: Review of anatomy and physiology. Common Disorders- etiology, Patho-physiology, Clinical manifestations, complications, prognosis. Health assessment-History taking, physical examination, investigation and diagnostic assessment. Treatment modalities and trends. Nursing management. Related research studies. Evidence based nursing practice. Rehabilitation and follow-up.

UNIT -13**5 Hrs.**

Management of patients with disorders of Eye and ENT : Review of anatomy and physiology, Common Disorders-etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 14**8 Hrs.**

Management of patients with disorders of reproductive system : Review of anatomy and physiology, Common Disorders- etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

UNIT – 15**8 Hrs.**

Geriatric nursing : Nursing Assessment-History and Physical assessment, Ageing, Demography; Myths and realities, Concepts and theories of ageing, Cognitive Aspects of Ageing, Normal biological ageing, Age related body systems changes, Psychosocial Aspects of Aging, Medications and elderly, Stress & coping in older adults, Common Health Problems & Nursing Management, Psychosocial and Sexual, 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 and formal and non-formal caregivers, Use of aids and prosthesis (hearing aids, dentures), Legal & Ethical Issues, Provisions and Programmes for elderly; privileges, Community Programs and health services, Home and institutional care, Issues, problems and trends.

UNIT -16**8 Hrs.**

Management of patients with communicable and sexually transmitted diseases :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, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow up.

UNIT -17

8 Hrs.

Emergency, trauma and multi-system organ failure : DIC (disseminated intravascular coagulation), Trauma, burns, poisoning, Etiology, Patho physiology, Clinical manifestations, complications, prognosis, Health assessment-History taking, physical examination, investigation and diagnostic assessment, Treatment modalities and trends, Nursing management, Related research studies, Evidence based nursing practice, Rehabilitation and follow-up.

Management of patients with communicable and sexually transmitted diseases: Review of immune system, Common Disorders of immune system – HIV/AIDS, Review of infectious disease process,

TEXT BOOKS

1. Baughman Diane.C, Hand Book for Brunner's Suddarth's Text Book of Medical Surgical Nursing, 1stEdition , Lippincott publication, New york, 1996.
2. Black Joyce, Medical Surgical Nursing, Clinical Management for Continuity of Care Vol I & Vol II, 5th Edition, Harcourt Brace publication, Singapore, 1998.
3. Phipps Wilma J, Shafer's Medical Surgical Nursing, 7th Edition, B.T publication, Bangalore, 1995.

REFERENCE BOOKS

1. Smeltzer. S.C, Bare.B.G, Brunner and Suddarth's Text Book of Medical Surgical Nursing, 10th Edition, Lippincott publication, Newyork, 2004.
2. Lee Richarved, Medical Care of the Pregnant Patient, 1st Edition, American college publication, Philadelphia, 2000.

PRACTICAL

Total = 660 hours
1 Week = 30 hours

S.No.	Dept/Unit	No. of Week		Total Hours
1	General Medical Ward	4		120 Hours
2	General Surgical Ward	4		120 Hours
3	ICUs	4		120 Hours
4	Oncology	2		60 Hours
5	Ortho	2		60 Hours
6	Cardio	2		60 Hours
7	Emergency Department	2		60 Hours
8	Neuro	2		60 Hours
	Total	22 Weeks		660 Hours

- Student Activities:
- Clinical presentation
- History taking
- Health Assessment
- Nutritional Assessment
- Health Education related to disease conditions
- Case studies
- Project work
- Field visits

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN106
TITLE OF THE COURSE : OBSTETRIC AND GYNAECOLOGICAL NURSING
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 650: 0

COURSE OBJECTIVES:

1. Develop expertise and in depth understanding in the field of Obstetric and Gynecological Nursing.
2. It will help students to appreciate the client as a holistic individual and develop skill to function as an independent midwifery practitioner.
3. It will enable the student to function as educator, manager, and researcher in the field of Obstetric and Gynecological nursing.

COURSE OUTCOMES:

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

UNIT – 1**10 Hrs.**

Introduction: 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, 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, Research priorities in obstetric and gynecological nursing.

UNIT - 2**15 Hrs.**

Human reproduction: Review of anatomy and physiology of human reproductive system: male and female, Hormonal cycles, Embryology, Genetics, teratology and counseling, Clinical implications.

UNIT – 3**25 Hrs.**

Pregnancy :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- human estriol, Maternal Serum Alfa Feto Protein, Acetyl Choline esterase (AchE), Triple Test Aminocentesis, Cordocentesis, chorionic villus sampling (CVS)), Biophysical- (US IMAGING, Foetal movement count, Ultra Sonography, Cardiotocography, cardio tomography, Non Stress Test(NST), Contraction stress test(CST), amnioscopy, foetoscopy, Radiological examination, 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, identification of high risk pregnancy and refer, Alternative/complementary therapies.

UNIT - 4**25 Hrs.**

Normal labour and nursing management: Essential factors of labour, Stages and onset First stage - physiology of normal labour, Use of partograph: Principles, use and critical analysis, evidence based studies, Analgesia and anesthesia in labour, nursing management second stage - Physiology, intrapartum monitoring, nursing management, Resuscitation, immediate newborn care and initiate breast feeding (Guidelines of National neonatology forum of India) Third Stage - Physiology and nursing management, Forth Stage – observation, critical analysis and nursing management, 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.

UNIT – 5

20 Hrs.

Normal puerperium and nursing management: Physiology of puerperium, Physiology of lactation, lactation management, and exclusive breast feeding, Baby friendly hospital initiative (BFHI), Assessment of postnatal women, minor discomforts & complications of puerperium. Management of mothers during puerperium: Postnatal exercises. Rooming in, bonding, warm chain, Evidence based studies, role of nurse midwifery practitioner, Alternative / complementary therapies.

UNIT – 6

20 Hrs.

Normal newborn :Physiology and characteristics of normal newborn, Physical and Behavioral assessment of newborn, Needs of newborn, essential newborn care: Exclusive breast feeding, Immunization, Hygiene measures, Newborn nutrition, Organization of neonatal care services (levels), transportation, neonatal intensive care unit, organization and management of nursing services in NICU, Observation and care of newborn, Parenting process.

UNIT – 7

10 Hrs.

Pharmaco dynamics in obstetrics : Drugs used in pregnancy, labour, post-partum and newborn, Calculation of drug dose and administration, Effects of drugs used, Anesthesia and analgesia in obstetrics, Roles and responsibilities of midwifery nurse practitioner, Standing orders, use of selected lifesaving drugs and interventions of obstetric emergencies approved by the MOHFW.

UNIT – 8

10 Hrs.

Family welfare services :

contraceptive technology, Role of nurses in family welfare programmes in all settings, Role of independent nurse midwifery practitioner, Family life education, Information, Education and Communication(IEC), Management information and evaluation system(MIES), Teaching and supervision of health team members.

UNIT – 9

5Hrs.

Infertility: 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.

UNIT – 10

5 Hrs.

Menopause : Physiological, psychological & social aspects, Hormone Replacement Therapy, Surgical menopause, Counseling and guidance, Role of midwifery nurse practitioner.

UNIT – 11**5 Hrs.**

Abortion: Types, causes, Legislations, clinical rights and professional responsibility, Abortion procedure, complications, Nursing management, Role of midwifery nurse practitioner.

TEXT BOOK

1. Myles Margret, A Textbook of Midwives, 14th Edition, Churchill L Publication, New York, 2004.
2. Ann Page L, The New Midwifery Science & Sensitive in Practice, 1st Edition, Churchill L Publication, Toronto, 2000.
3. Welford Heather, A Marshall Health Guide Pregnancy, 1st Edition, Marshall Publication, London, 1998.
4. Lee Richard V Ed, Medical Care of the Pregnant Patient, 1st Edition, American College Publication, Philadelphia, 2000.

REFERENCE BOOK

1. Alexander J.O, Midwifery Practice Care Topics, 1st Edition, Macmillan Publication, London, 1996.
2. KargarIshbel Ed, Challenges in Midwifery Care, 1st Edition, Macmillan Publication, London, 1997.
3. James David K, High Risk Pregnancy Managements option, 2nd Edition, W.B.Saunders Publication, London, 1997.

Practical

Total = 660 hours
1 Week = 30 hours

S. No.	Dept./Unit	No. of Week	Total Hours
1	Antenatal Wards & OPDs	4	120 Hours
2	Labour Room	5	150 Hours
3	Postnatal Ward	2	60 Hours
4	Family Planning Clinics	2	60 Hours
5	PHC / Rural maternity settings	4	120 Hours
6	Gynae	2	60 Hours
7	Maternity OT	2	60 Hours
8	NICU	1	30 Hours
	Total	22 Weeks	660 Hours

Procedures observed

- Diagnostic investigations : amniocentesis, chorionic villi sampling
- Infertility management: artificial reproduction: artificial insemination, invitro fertilization, and related procedures.

Procedures assisted

- Medical termination of pregnancy

Procedures performed

- Antenatal assessment – 20
- Postnatal assessment – 20
- Assessment during labour : use of partograph – 20
- Per vaginal examination – 20
- Conduct of normal deliver – 20
- Episiotomy and suturing – 10
- Setting up of delivery areas
- Insertion of intra uterine devices (copper T)

Others

- Identification of high risk women and referral
- Health education : to women and their families
- Motivation of couples for planned parenthood

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN107
TITLE OF THE COURSE : CHILD HEALTH NURSING
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 650: 0

COURSE OBJECTIVES:

1. Develop expertise and in-depth understanding in the field of Pediatric Nursing.
2. It will help students to appreciate the child as a holistic individual and develop skill to function as neonatal and pediatric nurse specialist.
3. It will further enable the student to function as educator, manager, and researcher in the field of Pediatric nursing.

COURSE OUTCOMES:

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 the 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

UNIT – 1**10 Hrs.**

Introduction :Historical development of Pediatrics and Pediatric Nursing in India, Current status of child health in India, Trends in Pediatrics and Pediatric Nursing, Ethical and cultural issues in pediatric care, Rights of children, National health policy for children, special laws and ordinances relating to children, National goals, Five year plans, National health programs related to child health.

UNIT – 2**10 Hrs.**

Assessment of pediatric clients : History taking, Developmental assessment, Physical assessment, Nutritional assessment, Family assessment.

UNIT – 3**10 Hrs.**

Hospitalized child : Meaning of hospitalization of the child, preparation for hospitalization, effects of hospitalization on the child and family, Stressors and reactions related to developmental stages, play activities for ill hospitalized child, nursing care of hospitalized child and family -principles and practices.

UNIT – 4**15 Hrs.**

Pre-natal Pediatrics : Embryological and fetal development, Prenatal factors influencing growth and development of fetus, Genetic patterns of common pediatric disorders, chromosomal aberrations, genetic assessment and counseling legal and ethical aspects of genetic, screening and counseling role of nurse in genetic counseling, Importance of prenatal care and role of pediatric nurse.

UNIT – 5**15 Hrs.**

Growth and Development of children : Principles of growth and development, Concepts and theories of growth and development, Developmental tasks and special needs from infancy to adolescence, developmental milestones, Assessment of growth and development of pediatric clients, Factors affecting growth and development.

UNIT – 6**15 Hrs.**

Behavioral Pediatrics and Pediatric Nursing : Parent child relationship, Basic behavioral pediatric principles and specific behavioral pediatric concepts/disorders-maternal deprivation, failure to thrive, child abuse, the battered child, Common behavioral problems and their management, Child guidance clinic.

UNIT –7**15 Hrs.**

Preventive Pediatrics and Pediatric Nursing : Concept, aims and scope of preventive pediatrics, Maternal health and its influence on child health antenatal aspects of preventive pediatrics, Immunization, expanded program on immunization/ universal immunization

program and cold chain, Nutrition and nutritional requirements of children, changing patterns of feeding, baby- friendly hospital initiative and exclusive breast feeding, Growth chart, Health education, nutritional education for children, Nutritional programs, National and international organizations related to child health, Role of pediatric nurse in the hospital and community.

UNIT -8

30 Hrs.

Neonatal Nursing : New born baby- profile and characteristics of the new born, Assessment of the new born, Nursing care of the new born at birth, care of the new born and family, High risk new born- Identification, classification and nursing management, High risk newborn- pre term and term neonate and growth retarded babies, Identification and classification of neonates with infections, HIV & AIDS, Ophthalmic neonatorum, congenital syphilis, Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.

UNIT - 9

30 Hrs.

IMNCI: (Integrated management of neonatal and childhood illnesses)

TEXT BOOK

1. Gupte, Short Textbook of Peadiatrics, 10th Edition, Jaypee Publication, New Delhi, 2004.
2. Tambul Wakhar ,Peadiatric Nursing, Vora Publication, Bombay, 1995.
3. Wong, Whaley & Wong's, Nursing Care of Infants & Children, 5th Edition, Mosby Publication, St.Louis, 1995.
4. Meharban Singh, Care of the New Born, 6th Edition, Sagar Publication, New Delhi, 2004.
5. Marlow Dorothy, Textbook of Peadiatric Nursing, 6th Edition, W.B.Saunders Publication, Philadelphia, 2001.
6. Chellappa J, Peadiatric Nursing, 1st Edition, Gajanana Publication, Bangalore, 2001.
7. Hurlock Elizabeth, Child Growth and Development, 5th Edition, Macgraw Hill Publication, New Delhi, 2004.
8. Rollant P.D, Peadiatric Nursing, 1ST Edition, Mosby Publication, St.Louis, 1996.

REFERENCE BOOK

1. Muscarii Mary E, Peadiatric Nursing, 2nd Edition, Lippincott Publication, Philadelphia, 1996.
2. Behrman R.E. Nelson, Textbook OF Peadiatrics, 1st Edition, Prism Publication, Bangalore, 1996.

3. Ghai O.P, Essential Pediatrics, 4th Edition, Interprint Publication, New Delhi, 1996.

Practical

Total = 660 hours

1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Pediatric Medicine Ward	4	120 Hours
2	Pediatric Surgery Ward	4	120 Hours
3	Labor Room/Maternity Ward	2	60 Hours
4	Pediatric OPD	2	60 Hours
5	NICU	4	120 Hours
6	Creche	1	30 Hours
7	Child Guidance Clinic	1	30 Hours
8	Community	4	120 Hours
	Total	22 Weeks	660 Hours

Student Activities:

- Clinical presentations
- Growth & developmental assessment
- Assessment & prescription of nursing interventions for sick children
- Health education related to disease conditions
- Nutritional assessment
- Project work
- Field visit

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN108
TITLE OF THE COURSE : MENTAL HEALTH NURSING
(CLINICAL SPECIALITY - I)
L: T/A:P: C : 150 :2 : 650 : 0

COURSE OBJECTIVES:

1. Develop expertise and in-depth understanding in the field of Psychiatric Nursing.
2. It will help students to appreciate the client as a holistic individual and develop skill to function psychiatric nurse specialist.
3. It will enable the student to function as educator, manager, and researcher in the field of Psychiatric nursing

COURSE OUTCOMES:

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 the areas of research in the field of psychiatric nursing

UNIT -1

15 Hrs.

Introduction: Mental Health and Mental Illness, Historical perspectives, Trends, issues and magnitude, Contemporary practices, 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, Classification of mental illnesses-

ICD, DSM, Standards of Psychiatric nursing, Challenges and Scope of psychiatric nursing, Multi-disciplinary team and role of nurse, Role of psychiatric nurse- extended and expanded.

UNIT - 2

10 Hrs.

Concepts of Psychobiology : The Nervous System- An Anatomical Review, The Brain and limbic system, Nerve Tissue, Autonomic Nervous system, Neurotransmitters, Neuro endocrinology, Pituitary, Thyroid Gland, Circadian Rhythms, Genetics, Neuro psychiatric disorders, Psycho immunology, Normal Immune response, Implications for psychiatric Illness, Implications for Nursing.

UNIT - 3

10 Hrs.

Theories of Personality Development and relevance to nursing practice: 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 E. Peplau.

UNIT - 4

5 Hrs.

Stress and its management : 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.

UNIT - 5

10 Hrs.

Therapeutic communication and interpersonal relationship :Review communication process, factors affecting communication, Communication with individuals and in groups, Techniques of therapeutic communication-touch therapy, Barrier of communication with specific reference to psychopathology, Therapeutic attitudes, 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.

UNIT - 6

10 Hrs.

Assertive Training : Assertive Communication, Basic Human Rights, Response Patterns, (Nonassertive Behavior, Assertive Behavior, Aggressive Behavior, Passive-Aggressive Behavior), Behavioral Components of Assertive Behavior, Techniques that Promote Assertive Behavior, Thought-Stopping Techniques Method, Role of The Nurse.

UNIT - 7

10 Hrs.

Promoting Self-Esteem: Components of Self-Concept, the Development of Self-Esteem, the Manifestations of Low-Self-Esteem, Boundaries, and Role of the Nurse.

UNIT -8**5 Hrs.**

Women and Mental Health : Normal reaction to conception, pregnancy and puerperium, Problems related to conception, pregnancy and puerperium and its management, Counseling – Premarital, marital and genetic. .

UNIT - 9**10 Hrs.**

The nursing process in psychiatric/mental health nursing : Mental health assessment- History taking, mental status examination, Physical and neurological examination, Psychometric assessment, Investigations, Diagnosis and Differential diagnosis, Interpretation of investigations, Nurse's role, Nursing case management, Critical pathways of care, Documentation, Problem-oriented recording, Focus charting, The PIE method.

UNIT - 10**35 Hrs.**

Psycho social and physical therapies: Individual therapy, Behavioral Therapy- Relaxation therapy, cognitive therapy, positive- negative reinforcement, bio-feedback, guided imagery, ab-reactive therapy, Group Therapy, Family Therapy, Milieu Therapy, The Therapeutic Community, Occupational therapy, Recreational therapy, Play therapy, Music therapy, Light therapy, Color therapy, Aroma therapy.

UNIT - 11**5 Hrs.**

Electroconvulsive Therapy : Historical Perspectives, Indications, Contraindications, Mechanisms of Action, Side Effects, and Risks Associated with Electroconvulsive Therapy, the Role of the Nurse in Electroconvulsive Therapy.

UNIT -12**10 Hrs.**

Psychopharmacology :Historical Perspectives, Role of a Nurse in Psychopharmacological Therapy, Antianxiety Agents, Antidepressants Agents, Mood stabilizers, Antipsychotics, Sedative-Hypnotics, Central Nervous System Stimulants, Future developments.

UNIT -13**15 Hrs.**

Alternative systems of medicine in mental health : Types of Therapies - Herbal Medicine, Unani, Siddha, Homeopathic, Acupressure and Acupuncture, Diet and Nutrition, Chiropractic Medicine, Therapeutic Touch and Massage, Yoga, Pet Therapy.

TEXT BOOK

1. Kapoor Bimla, Text Book of Psychiatric Nursing, 1st Edition (1998), Kumar Publication, Delhi.
2. Ahuja Niraj, A Short Text Book of Psychiatry, 4th Edition (1999), Jaypee Publication, Delhi.
3. StaurtSundeen, Principles and practices of Psychiatric Nursing, 2nd Edition, Thomson Delmer Publication, Australia, 2002.

4. Fontaine.K.L, Mental Health Nursing, 1st Edition, Addison Wisley Publication, Newyork, 1999.
5. Sreevani.R, A Guide to Mental Health Psychiatric Nursing, 1st Edition, Jaypee Publication, New Delhi, 2004.
6. Vyas J.N, Text Book of Post Graduate Psychiatry Vol I& Vol II, 1st Edition, Jaypee Publication, New Delhi, 1999.

REFERENCE BOOK

1. Townsend Mary, Psychiatric Health Nursing, 3rd Edition, F.A.Davis Publication, Philadelphia, 2005.
2. StaurtSundeen, Principles and practices of Psychiatric Nursing, 2nd Edition, Thomson Delmer Publication, Australia, 2002.
3. Boyd. Mary Ann, Psychiatric Nursing, 2nd Edition, Lippincott Publication, Philadelphia, 2002.
4. Prisch Noreen, Psychiatric Mental Health Nursing, 7th Edition, Harcourt (India) Publication, Delhi, 1999.

Practical

Total = 660 hours
1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Acute Psychiatric Ward	4	120 Hours
2	Chronic Psychiatric ward	4	120 Hours
3	Psychiatric Emergency Unit	2	60 Hours
4	O.P.D	2	60 Hours
5	Family Psychiatric Unit	2	60 Hours
6	Community Mental health Unit	4	120 Hours
7	Rehabilitation / Occupational Therapy Unit / Half way home / Day care centre	4	120 Hours
	Total	22 Weeks	660 Hours

Student Activities:

- History taking
- Mental health assessment
- Psychometric assessment
- Personality assessment
- Process recording
- Therapies – Group Therapy
- Family Therapy
- Psychotherapy
- Milieu Therapy
- The Therapeutic Community
- Occupational therapy
- Recreational therapy
- Play therapy
- Music therapy
- Pet therapy
- Counselling
- Assisted ECT
- Assisted EEG
- Case studies
- Case presentation
- Project work
- Socio and psycho drama
- Field visits

SEMESTER/YEAR : I YEAR
COURSE CODE : 16MSN109
TITLE OF THE COURSE : COMMUNITY HEALTH NURSING
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 650: 0

COURSE OBJECTIVES:

1. Develop expertise and in-depth understanding in the field of Community Health Nursing.
2. It would help students to appreciate holistic life style of individuals, families & groups and develop skills to function as Community Health Nurse specialist/practitioner.
3. It will enable student to function as an educator, manager and researcher in the field of Community Health nursing.

COURSE OUTCOMES:

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.
9. Appreciate legal and ethical issues pertaining to community health nursing care.
10. Conduct community health nursing care projects.
11. Participate in planning, implementation and evaluation of various national health and family welfare programmes at local, state and the national level.
12. Incorporate evidence based nursing practice and identifies the areas of research in the community settings.
13. Participate effectively as a member of Community Health team.
14. Coordinate and collaborate with various agencies operating in the community by using inter-sectoral approach.

15. Teach community health nursing to undergraduates, in-service nurses and the community health workers.
16. Demonstrate leadership and managerial abilities in community health nursing practice

UNIT -1

10 Hrs.

Introduction: Historical development of Community Health and Community health Nursing- World and India, various health and family welfare committees, Current status, trends and challenges of Community Health Nursing, Health status of the Community-community diagnosis, Scope of Community health Nursing practice, Ethical and legal issues, Socio-cultural issues in Community health Nursing, National Policies, plans and programmes, National health policy, National Population policy, National Health and welfare Programmes, National Health goals/ indicators/ Millennium developmental goals(MDG)/ Strategies, Planning process: Five year plans, National Rural Health Mission, Panchayat raj institutions.

UNIT -2

10 Hrs.

Health : Concepts, issues, Determinants, Measurements, Alternate systems for health promotion and management of health problems, Health economics, Health technology, Genetics and health, Waste disposal, Eco system

UNIT - 3

15 Hrs.

Population dynamics and control : Demography, Transition and theories of population, National population policy, National population programmes, Population control and related programmes, Methods of family limiting and spacing, Research, Census, National Family Health Survey.

UNIT -4

30 Hrs.

Community Health Nursing : Philosophy, Aims, Objectives, Concepts, Scope, Principles, Functions, Community health Nursing theories and models, Quality assurance: Community health Nursing standards, competencies, Monitoring community health nursing, nursing audits, Family nursing and Family centered nursing approach, Family health nursing process Family health assessment, Diagnosis, Planning, Intervention, Evaluation, Nursing care for special groups: children, adolescents, adults, women, elderly, physically and mentally challenged- Urban and rural population at large, Community nutrition, Concept, role and responsibilities of community health Nurse practitioners/nurse midwifery practitioners-decision making skills, professionalism, legal issues.

UNIT - 5

45 Hrs.

Maternal and Neonatal care : IMNCI (Integrated Management of Neonatal and Childhood Illnesses) module.

UNIT -6 **15 Hrs.**

Disaster Nursing (INC module on Reaching out: Nursing Care in emergencies).

UNIT -7 **10 Hrs.**

Information, education and communication: IEC/BCC: Principles and strategies, Communication Skills, Management information and evaluation system: Records and reports, ☐ Information technology, Tele-medicine and tele-nursing, Journalism, Mass media, Folk media.

UNIT -8 **15 Hrs.**

Health care delivery system : Urban, rural, tribal and difficult areas: Health organization: National, State, District, CHC, PHC, Sub Centre, Village - Functions, Staffing, pattern of assistance, layout, drugs, equipment and supplies, Roles and Responsibilities of DPHNO, Critical review of functioning of various levels, evaluation studies, recommendations and nursing perspectives, Alternative systems of medicine, Training and supervision of health workers, Health agencies: NGO's, Roles and functions, Inter-sectoral coordination, Public private partnership, Challenges of health care delivery system.

TEXT BOOK

1. Rao Kasturi Sundar, Introduction to Community Health Nursing, 3rd Edition, B.I. Publication, Chennai, 2000.
2. Park.J.E, Textbook of Preventive and Social Medicine, 18th Edition, Banarsidas Bhanot Publication, Jabalpur, 2005.
3. Park. K, Essentials of Community Health Nursing, 3rd Edition, Banarsidas Bhanot Publication, Jodel, 2001.
4. Huntroberta, Introduction to Community Health Nursing, 2nd Edition, Lippincott Publication, Philadelphia, 2001.
5. ROA. Shridhar, Principles of Community Medicine, 3rd Edition, A.I.T.B.S Publication, New Delhi, 2002.
6. Gupta M.C & Mahajan, Textbook of Preventive & Social Medicines, 3rd Edition, Jaypee Publication, New Delhi, 2003.

REFERENCE BOOK

1. Stanhpope, Community Health Nursing, 1st Edition, Mosby Publication, Philadelphia, 2002.
2. Clemen Stone, Susan, Comprehensive Community Health Nursing, 8th Edition, B.I. Warely Publication, New Delhi, 1998.
3. Sachdeva D.R. & Bhushan, An Introduction to Sociology, 34th Edition, Kitab Publication, New Delhi, 2002.

Practical

Total = 660 hours
1 Week = 30 hours

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Sub-Centre, PHC, CHC	12	360 Hours
2	District family welfare bureau	6	30 Hours
3	Urban Centers	1	180 Hours
4	Field visits	3	90 Hours
	Total	22 Weeks	660 Hours

Student Activities:

- Identification of community leaders and resource persons (community mapping)
- Community health survey
- Community health nursing process-individual, family and special groups and community
- Counseling
- Health education – campaign, exhibition, folk media, preparation of IEC materials
- Organizing and participating in special clinics/camps and national health and welfare programmes –Organise atleast one health and family welfare mela/fair (all stalls of national health and family welfare activities should be included)
- Estimation of Vital health statistics – Exercise
- Drill for disaster preparedness
- Organise atleast one in – service education to ANM's/LHV/PHN/HW
- Nutrition – Exercise on nutritional assessment on dietary planning, demonstration and education for various age groups
- Filling up of Records, reports and registers maintained at SC/PHC/CHC
- Assist women in self-breast examination
- Conduct antenatal examination
- Conduct vaginal examination
- Conduct deliveries
- Post-natal visits
- Perform Episiotomy and suturing
- Prepare Pap smear
- Conduct Insertion / Removal of IUD
- Blood Slide preparation
- Field visits
- Maintenance of log book for various activities

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN201
TITLE OF THE COURSE : NURSING MANAGEMENT
(CLINICAL SPECIALITY - I)
L: T/A: P: C : 150:2: 150: 0

COURSE OBJECTIVES:

1. Develop a broad understanding of Principles, concepts, trends and issues related to nursing management.
2. 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.

COURSE OUTCOMES:

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 multi sectoral 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 in nursing at various levels.

UNIT – 1

10 Hrs.

Introduction: Philosophy, purpose, elements, principles and scope of administration. Indian Constitution, Indian Administrative system vis-a-vis health care delivery system: National, State and Local, organisations and functions of nursing services and education at National, State, District and institutions: Hospital and Community. Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH and plans.

UNIT -2 **10 Hrs.**
Management: Functions of administration, Planning and control, Co-ordination and delegation. Decision making – decentralization basic goals of decentralization, concept of management. Nursing management: Concept, types, principles and techniques, vision and mission statements. Philosophy, aims and objective, current trends and issues in Nursing Administration, Theories and models. Application to nursing service and education

UNIT -3 **15 Hrs.**
Planning: Planning process: Concept, Principles, Institutional policies, Mission, philosophy, objectives, Strategic planning, Operational plans, Management plans, Programme evaluation and review technique(PERT), Gantt chart, Management by objectives(MBO), Planning new venture, Planning for change, Innovations in nursing and Application to nursing service and education

UNIT -4 **15 Hrs.**
Organization: Concept, principles, objectives, Types and theories, minimum requirements for 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 etc) Disaster management: plan, resources, drill, etc and Application to nursing service and education.

UNIT -5 **15 Hrs.**
Human Resource for health : Staffing, Philosophy, Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC), Estimation of nursing staff requirement- activity analysis, Various research studies, Recruitment: credentialing, selection, placement, promotion, Retention, Personnel policies, Termination, Staff development programme, Duties and responsibilities of various category of nursing personnel and Applications to nursing service and education.

UNIT - 6 **15 Hrs.**
Directing : Roles and functions, Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories, Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations, Delegation; common delegation errors, Managing conflict: process, management, negotiation, consensus, Collective bargaining: health care labor laws, unions, professional associations, role of nurse manager, Occupational health and safety and Application to nursing service and education.

UNIT - 7 **10 Hrs.**
Material management: Concepts, principles and procedures, Planning and procurement procedures: Specifications, ABC analysis, VED (very important and essential daily use) analysis, Planning equipments and supplies for nursing care: unit and hospital, Inventory control, Condemnation and Application to nursing service and education.

UNIT -8**15 Hrs.**

Controlling : Quality assurance – Continuous Quality Improvement: Standards, Models, Nursing audit. Performance appraisal: Tools, confidential reports, formats, management, interviews. Supervision and management: concepts and principles. Discipline: service rules, self-discipline, constructive versus destructive discipline, problem employees, disciplinary proceedings enquiry etc. Self-evaluation or peer evaluation, patient satisfaction, utilization review and Application to nursing service and education.

UNIT - 9**15 Hrs.**

Fiscal planning : Steps, Plan and non-plan, zero budgeting, mid-term appraisal, capital and revenue, Budget estimate, revised estimate, performance budget, Audit, Cost effectiveness, Cost accounting, Critical pathways, Health care reforms, Health economics, Health insurance, Budgeting for various units and levels and Application to nursing service and education.

UNIT - 10**10 Hrs.**

Nursing informatics : Trends, General purpose, Use of computers in hospital and community, Patient record system, Nursing records and reports, Management information and evaluation system (MIES), E- nursing, Telemedicine, telenursing, Electronic medical records.

UNIT -11**10 Hrs.**

Leadership: Concepts, Types, Theories, Styles, Manager behavior, Leader behavior, Effective leader: Characteristics, skills, Group dynamics, Power and politics, lobbying, Critical thinking and decision making, Stress management, Applications to nursing service and education.

UNIT -12**10 Hrs.**

Legal and ethical issues : Laws and ethics: 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, accountability, Infection control and standard safety measures

TEXT BOOK :

1. Stoner and Freeman. Nursing Management. 4th edition, India: Prantice Hall; 1989.
2. Dr. Basavanthappa B.T. Nursing administration. 1st edition. New Delhi: Jaypee Brothers Publications; 2002.
3. Dr. Rebacca Samson. Leadership and management in nursing practice and education. 1st edition. New Delhi: Jaypee Brothers Publications; 2009.
4. Jean Baret. Ward management and teaching. 7th edition, Delhi: Konark publishers; 1995.

5. Linda Roussel. Management and Leadership for Nurse Administrators. 4th edition, London: Jones and Bartlett publications; 2006.
6. Tappen, Weiss and Whitehead. Essentials of nursing leadership and management. 3rd edition. Philadelphia: F.A davis publication; 2004.

REFERENCE BOOKS:

1. G Chandorkar. Hospital administration and planning. 2nd edition. New Delhi: Paras medical publisher; 2009.
2. D C Joshi. Mamta Joshi. Hospital administration. 1st edition. New Delhi: Jaypee brothers medical publishers pvt ltd; 2009.
3. BM Sakharkar. Principles of hospital administration and planning. 2nd edition. New Delhi: Jaypee brothers medical publishers; 2009.
4. Ruth M Tappen. Nursing leadership and management. 3rd edition. Philadelphia: FA Davis Company; 1989.
5. Eleanor JS, Philip JD. Effective leadership and management in nursing. 4th edition. California: Addison-Wesley; 2002.
6. Dee Ann Gillies. Nursing Management a system approach. 3rd edition. London: W.B. Saunders company; 1982.

Practicals

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, Revised estimate and performance budget.
3. Plan and conduct staff development programme
4. Preparation of Organisation Chart
5. Developing nursing standards / protocols for various units
6. Design a layout plan for speciality units / hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel
8. Prepare a list of equipments and supplies for specialty units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions
12. Prepare a plan of action for performance appraisal
13. Identify the problems of the speciality units and develop plan of action by using problem solving approach
14. Plan a duty roster for speciality units/hospital, community and educational institutions
15. Prepare : anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurses notes, Official letters, curriculum vitae, presentations etc.,
16. Prepare a plan for disaster management
17. Group work
18. Field appraisal report

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-A
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(CARDIOVASCULAR AND THORACIC NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of cardiovascular and thoracic nursing.
2. Help students to develop advanced skills for nursing intervention in various cardio medical and surgical conditions.
3. Enable the student to function as Cardio vascular and Thoracic Nurse practitioner/specialist, educator, manager and researcher in the field of cardio vascular and thoracic nursing.

COURSE OUTCOMES:

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 identifies 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.

UNIT – 1

5 Hrs.

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

UNIT -2

5 Hrs.

Epidemiology : Risk factors: hereditary, psycho social factors, hypertension, smoking, obesity, diabetes mellitus etc., Health promotion, disease prevention, Life style modification, National health programs related to cardio vascular and thoracic conditions, Alternate system of medicine and Complementary therapies.

UNIT – 3

5 Hrs.

Review of anatomy and physiology of cardio vascular and respiratory system: Review of anatomy and physiology of heart, lung, thoracic cavity and blood vessels. Embryology of heart and lung, Coronary circulation, Hemodynamics and electro physiology of heart, Bio-chemistry of blood in relation to cardio pulmonary function.

UNIT -4

20 Hrs.

Assessment and Diagnostic Measures: History taking, Physical assessment, Heart rate variability: Mechanisms, measurements, pattern, factors, impact of interventions on HRV and Diagnostic tests. Hemodynamic monitoring: Technical aspects, monitoring, functional hemodynamic indices, ventricular function indices, output measurements (Arterial and swan Ganz monitoring). Blood gases and its significance, oxygen supply and demand, Radiologic examination of the chest: interpretation, chest film findings, Electro cardiography (ECG) : electrical conduction through the heart, basic electrocardiography, 12 lead electrocardiogram, axis determination, ECG changes in: intraventricular 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. 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.

UNIT - 5

25 Hrs.

Cardiac disorders and nursing management: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: 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. Arrhythmias, heart block and associated illnesses.

UNIT - 6

10 Hrs.

Altered pulmonary conditions: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: Bronchitis, Bronchial asthma, Bronchiectasis, Pneumonias, Lung abscess, lung tumour, pulmonary tuberculosis, fibrosis, pneumoconiosis etc. Pleuritis, effusion, Pneumo, haemo and pyothorax, Interstitial Lung Disease, Cystic fibrosis, Acute and Chronic obstructive pulmonary disease (conditions leading to) Cor pulmonale, Acute respiratory failure, Adult respiratory distress syndrome, Pulmonary embolism and Pulmonary Hypertension.

UNIT - 7

10 Hrs.

Vascular disorders and nursing management Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: Disorders of arteries, Disorders of the aorta, Aortic Aneurysms, Aortic dissection, Raynaud's phenomenon, Peripheral arterial disease of the lower extremities, Venous thrombosis, Varicose veins, Chronic venous insufficiency and venous leg ulcers, Pulmonary embolism.

UNIT -8

10 Hrs.

Cardio thoracic emergency interventions :CPR- BLS and ALS, Use of ventilator, defibrillator pacemaker, Post resuscitation care, Care of the critically ill patients, Psychosocial and spiritual aspects of care, Stress management; ICU psychosis and Role of nurse.

Unit - 9

10 Hrs.

Nursing care of a patient with obstructive airway : Assessment, Use of artificial airway, endotracheal intubation, tracheostomy and its care, Complication, minimum cuff leak, securing tubes. Oxygen delivery systems: Nasal Cannula, Oxygen mask, Ventura mask,

Partial rebreathing bag, Bi-PAP and C-PAP masks, Uses, advantages, disadvantages and nursing implications of each. Mechanical Ventilation: Principles of mechanical ventilation, Types of mechanical ventilation and ventilators, Modes of ventilation, advantage, disadvantage, complications. PEEP therapy, indications, physiology, and complications. Weaning off the ventilator, Nursing assessment and interventions of ventilated patient.

UNIT - 10

10 Hrs.

Congenital Heart Diseases : Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of: Embryological development of heart, Classification – cyanotic and acyanotic heart disease, Tetralogy of Fallots, Atrial Septal Defect, Ventricular Septal Defect, Eisenmenger’s complex, Patent ductus arteriosus, AP window, Truncus Arteriosus, Transposition of great arteries, Total Anomaly of Pulmonary Venous Connection, Pulmonary stenosis, atresia. Coarctation of aorta, Ebstein’s anomaly, Double outlet right ventricle, Single ventricle and Hypoplastic left heart syndrome.

UNIT - 11

10 Hrs.

Pharmacology : Review, Pharmacokinetics, Analgesics/Anti-inflammatory agents, Antibiotics, antiseptics, Drug reaction & toxicity, Drugs used in cardiac emergencies, Blood and blood components, Antithrombolytic agents, Inotropic agents, Beta-blocking agents, Calcium channel blockers, Vaso constrictors, Vaso dilators, ACE inhibitors, Anticoagulants, Antiarrhythmic drugs. Anti-hypertensives, Diuretics, Sedatives and tranquilizers, Digitalis and Antilipemics, Principles of drug administration, role and responsibilities of nurses and care of drugs.

UNIT - 12

20 Hrs.

Nursing Care of patient undergoing cardio thoracic surgery: Indications, selection of patient, Preoperative assessment and preparation; counselling. Intraoperative care: Principles of open heart surgery, equipment, anaesthesia, cardiopulmonary bypass. 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, tumour excision etc. Immediate postoperative care: assessment, post-operative problems and interventions : Bleeding, Cardiac tamponade, Low cardiac output, Infarction, Pericardial effusion, Pleural effusion, Pneumothorax, Haemothorax, Coagulopathy, Thermal imbalance, Inadequate ventilation/perfusion, Neurological problems, renal problems, Psychological problems, Chest physiotherapy. Nursing interventions- life style modification, complementary therapy /alternative systems of medicine. Intermediate and late post-operative care after CABG, valve surgery, others and Follow up care.

UNIT - 13

5 Hrs.

Cardiac rehabilitation: Process, Physical evaluation, Life style modification, Physical conditioning for cardiovascular efficiency through exercise, Counseling and Follow up care.

UNIT -14**5 Hrs.**

Intensive Coronary Care Unit/intensive cardio thoracic unit: Quality assurance: Standards, Protocols, Policies, Procedures, Infection control; Standard safety measures, Nursing audit, Design of ICCU/ICTU, Staffing; cardiac team and Burn out syndrome. Nurse's role in the management of I.C.C.U and ICTU, Mobile coronary care unit and planning in-service educational Programme and teaching.

TEXT BOOK :

1. Alvord Alonso, David D Mc Manus. Text book of peripheral vascular disease. Canada: Jones and Barlett publishers; 2006.
2. Emile R Mahler. Alan T Hirsch. Peripheral arterial disease. Canada: Jones and Barlett publishers; 2006.
3. Joyce M Black, Jane Hawks. Text book of Medical surgical nursing. 7th Edition. New Delhi: Elsevier publication; 2005.

REFERENCE BOOKS:

1. Phips Wilma J. Shafer's Medical Surgical Nursing. 7th ed. Bangalore: B.T.Publication; 1995.
2. B.T.Basavanthappa. Medical Surgical Nursing. 3rded. New Delhi: Jaypee publishers; 2015.
3. Lewis Heitkemper, Dirksen O'Brien. Medical Surgical Nursing. 7th Edition. Missouri: Elsevier; 2008

PRACTICAL**Total = 960 hours****1 Week = 30 hours**

S. No.	Dept/Unit	No. of Week	Total Hours
1	Cardio thoracic - Medical	4	120 Hours
	Surgical	4	120 Hours
2	OTs (Cardiac and thoracic)	4	120 Hours
3	Casualty	2	60 Hours
4	Diagnostic labs including cath lab	2	60 Hours
5	ICCU	4	120 Hours
6	ICU	4	120 Hours
7	CCU	4	120 Hours
8	Paediatric Intensive	2	60 Hours
9	OPD	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-B
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(CRITICAL CARE NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth knowledge in the field of Critical care Nursing.
2. Help students to develop advanced skills for nursing intervention in caring for critically ill patients.
3. Enable the student to function as critical care nurse practitioner/ specialist, educator, manager and researcher in the field of Critical Care Nursing.

COURSE OUTCOMES:

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 nurse's 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 the areas of research in the field of critical care nursing
16. Identify the sources of stress and manage burnout syndrome among health care providers.
17. Teach and supervise nurses and allied health workers.
18. Design a layout of ICU and develop standards for critical care nursing practice.

UNIT – 1**8 Hrs.**

Introduction to Critical Care Nursing Historical review- Progressive patient care(PPC), Review of anatomy and physiology of vital organs, fluid and electrolyte balance, Concepts of critical care nursing, Principles of critical care nursing, Scope of critical care nursing, Critical care unit set up including equipment's, supplies, use and care of various type of monitors & ventilators and Flow sheets.

UNIT – 2**10 Hrs.**

Concept of Holistic care applied to critical care nursing practice : Impact of critical care environment on patients:- Risk factors, Assessment of patients, Critical care psychosis, prevention & nursing care for patients affected with psychophysiological & psychosocial problems of critical care unit, Caring for the patient's family, family teaching. The dynamics of healing in critical care unit:-therapeutic touch, Relaxation, Music therapy, Guided Imagery, acupuncture, Stress and burnout syndrome among health team members.

UNIT -3**14 hrs.**

Review : Pharmacokinetics, Analgesics/Anti-inflammatory agents, Antibiotics, antiseptics, Drug reaction & toxicity, Drugs used in critical care unit (inclusive of ionotropic, lifesaving drugs) Drugs used in various body systems, IV fluids and electrolytes, Blood and blood components, Principles of drug administration, role of nurses and care of drugs

UNIT – 4**7 Hrs.**

Pain Management: Pain & Sedation in Critically ill patients, Theories of pain, Types of pain, Pain assessment, Systemic responses to pain, pain management-pharmacological and non-pharmacological measures and Placebo effect.

Unit – 5**8 Hrs.**

Infection control in intensive care unit: Nosocomial infection in intensive care unit; methyl resistant staphylococcus aureus (MRSA), Disinfection, Sterilization, Standard safety measures and Prophylaxis for staff.

UNIT – 6**10 Hrs.**

Gastrointestinal System Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Gastrointestinal Bleeding, Abdominal injury, Hepatic Disorders:-Fulminant hepatic failure, Hepatic encephalopathy, Acute Pancreatitis, Acute intestinal obstruction, perforative peritonitis.

UNIT – 7**10 Hrs.**

Renal System: Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Renal Failure, Chronic Renal Failure, Acute tubular necrosis, Bladder trauma. Management Modalities: Hemodialysis, Peritoneal Dialysis, Continuous Ambulatory Peritoneal Dialysis, Continuous arteriovenous hemodialysis, Renal Transplant.

UNIT -8**10 Hrs.**

Nervous System: Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Common Neurological Disorders:-Cerebrovascular disease, Cerebrovascular accident, Seizure disorders, Guillein Barre-Syndrome, Myasthenia Gravis, Coma, Persistent vegetative state, Encephalopathy, Head injury, Spinal Cord injury. Management Modalities: Assessment of Intracranial pressure, Management of intracranial hypertension, Craniotomy. Problems associated with neurological disorders: Thermo regulation, Unconsciousness, Herniation syndrome.

UNIT -9**8 Hrs.**

Endocrine System : Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing Management of Hypoglycemia, Diabetic Ketoacidosis, Thyroid crisis, Myxoedema, Adrenal crisis, Syndrome of Inappropriate/ hyper secretion of Antidiuretic Hormone (SIADH), Diabetes insipidus.

UNIT -10**10 Hrs.**

Management of other Emergency Conditions: Mechanism of injury, Thoracic injuries, Abdominal injuries, pelvic fractures, complications of trauma, Head injuries. Shock: Shock syndrome, Hypovolemic, Cardiogenic, Anaphylactic, Neurogenic and Septic shock. Systemic inflammatory Response: The inflammatory response, Multiple organ dysfunction syndrome, Disseminated Intravascular Coagulation, Drug Overdose and Poisoning, Acquired Immunodeficiency Syndrome (AIDS), Ophthalmic: Eye injuries, Glaucoma, retinal detachment, Ear Nose Throat: Foreign bodies, stridor, bleeding, quincy, acute allergic conditions. Psychiatric emergencies: suicide and crisis intervention.

UNIT -11**20 Hrs.**

Cardiovascular emergencies: Principles of Nursing in caring for patients with cardiovascular disorders. Assessment: Cardiovascular system: Heart sounds, Diagnostic studies: Cardiac enzymes studies, Electrocardiographic monitoring, Holter monitoring, Stress test, Echo cardiography, Coronary angiography, Nuclear medicine studies, causes, Pathophysiology, Clinical types, Clinical features, Diagnostic Prognosis, Management : Medical, Surgical & Nursing management of:-Hypertensive crisis, Coronary artery disease, Acute Myocardial infarction, Cardiomyopathy, Deep vein thrombosis, Valvular diseases, Heart block, Cardiac arrhythmias & conduction disturbances, Aneurysms, Endocarditis, Heart failure, Cardio pulmonary resuscitation BCLS/ ACLS. Management Modalities: Thrombolytic therapy, Pacemaker – temporary & permanent, Percutaneous transluminal coronary angioplasty, Cardioversion, Intra-Aortic Balloon pump monitoring, Defibrillations, Cardiac surgeries, Coronary Artery Bypass Grafts (CABG/MICAS), Valvular surgeries, Heart Transplantation, Autologous blood transfusion, Radiofrequency Catheter Ablation.

UNIT -12**15 Hrs.**

Respiratory System: Acid-base balance & imbalance, Assessment : History & Physical Examination, Diagnostic Tests: Pulse Oximetry, End –Tidal Carbon Dioxide Monitoring, Arterial blood gas studies, chest radiography, pulmonary Angiography, Bronchoscopy,

Pulmonary function Test, Ventilation perfusion scan, Lung ventilation scan. Causes, Pathophysiology, Clinical types, Clinical features, Prognosis, Management: Medical, Surgical and Nursing management of Common pulmonary disorders:-Pneumonia, Status asthmaticus, interstitial disease, Pleural effusion, Chronic obstructive pulmonary disease, Pulmonary tuberculosis, Pulmonary edema, Atelectasis, Pulmonary embolism, Acute respiratory failure, Acute respiratory distress syndrome (ARDS), Chest Trauma, Haemothorax, Pneumothorax. Management Modalities:-Airway Management, Ventilatory Management:-Invasive, non- invasive, long term mechanical ventilations. Bronchial Hygiene:-Nebulization, deep breathing exercise, chest physiotherapy, postural drainage, Inter Costal Drainage, Thoracic Surgeries

UNIT -13

10 Hrs.

Burns: Clinical types, classification, pathophysiology, clinical features, assessment, diagnosis, prognosis, Management: Medical, Surgical & Nursing management of burns, Fluid and electrolyte therapy – calculation of fluids and its administration, Pain management, Wound care, infection control, Prevention and management of burn complications, Grafts and flaps, Reconstructive surgery and Rehabilitation.

UNIT -14

5 Hrs.

Legal and ethical issues in critical care-Nurse's role : Brain death, Organ donation & Counseling, Do Not Resuscitate (DNR), Euthanasia and Living will.

UNIT -15

5 Hrs.

Quality assurance: Standards, Protocols, Policies, Procedures, Infection control; Standard safety measures, nursing audit, Staffing and Design of ICU/CCU.

TEXT BOOK :

1. Sharon Mantik Lewis, Margaret Mclean, Shannon Ruff Dirkson. Medical Surgical Nursing. 6th Edition. Missouri: Mosby Publications; 2004.
2. Arlene L Polaski, Suzanne E Tatro, Luckmann's Core Principles and Practice Of Medical Surgical Nursing. 1st Edition. India: WB Saunders Elseviers Publisher; 2010.
3. D U Das. Introduction to Nursing Care a comprehensive approach to Nursing. 4th Edition. India: W B Saunders Company; 2001.

REFERENCE BOOKS:

1. Phipps Wilma J. Shafer's Medical Surgical Nursing. 7th ed. Bangalore; B.T.Publication :1995.
2. Perry, Ann G. and Patricia A. Potter. Clinical Nursing Skills and Techniques. 3rd ed. St. Louis; The C.V Mosby Co: 1990.
3. Rick Daniels, Laura Nosek, Lelie Nicoll. Contemporary Medical Surgical Nursing. 2nd Edition. Haryana:Sanat Publishers; 2007

PRACTICAL

Total = 960 hours
1 Week = 30 hours

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Burns ICU	2	60 Hours
2	Medical ICU	8	240 Hours
3	Surgical ICU	12	360 Hours
4	CCU	2	60 Hours
5	Emergency Department	3	90 Hours
6	Dialysis Unit	1	30 Hours
7	Transplant Room	2	60 Hours
8	Pediatric / NICU	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-C
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING (ONCOLOGY NURSING)
CLINICAL SPECIALITY – II
L: T/A: P: C : 150:2: 950: 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of oncology Nursing.
2. Help students to develop advanced skills for nursing intervention in various oncological conditions.
3. Enable the student to function as oncology nurse practitioner/specialist and provide quality care, educator, manager, and researcher in the field of oncology nursing.

COURSE OUTCOMES:

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 the areas of research in the field of oncology nursing
14. Recognize the role of oncology nurse practitioner as a member of oncology team
15. Collaborate with other agencies and utilize resources in caring for cancer patients.
16. Teach and supervise nurses and allied health workers.

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

UNIT - 1

4 Hrs.

Introduction : Epidemiology-Incidence, Prevalence – Global, National, State and Local, Disease burden, concept of cancer, risk factors, Historical perspectives, Trends and issues, principles of cancer management, roles and responsibilities of oncology nurse.

UNIT -2

5 Hrs.

The Nature of Cancer: Normal cell biology, The Immune system, pathological and pathophysiological changes in tissues: Biology of the cancer cell, Clone formation Transformation, Tumor stem lines, Structure of a solid tumor, Products produced by the tumor and Systemic effects of tumor growth.

UNIT - 3

4 Hrs.

Etiology of Cancer: Carcinogenesis, Theories of cancer causation, Risk factors. Carcinogens – genetic factors, chemical carcinogens, radiation, viruses, Immune system failure, rapid tissue proliferation. Hormone changes, diet and emotional factors.

UNIT - 4

10 Hrs.

Diagnostic Evaluation : Health assessment: History taking, physical examination, Staging and grading of tumors, TNM Classification, Common diagnostic tests: Blood investigation: Hematological, Bio-chemical, Tumor markers, Hormonal assay, Cytology: Fine needle aspiration cytology(FNAC), Histopathology: Biopsy, Radiological assessment: MRI, Ultrasound, Computed tomography, Mammography, Positron emission tomography(PET), Radio nuclide imaging, Functional metabolism imaging, Endoscopies and Nurses responsibilities in diagnostic measures.

UNIT - 5

10 Hrs.

Levels of prevention and care: Primary prevention – Guidelines for cancer detection, general measures, Warning signs of cancer, Self-examination-Oral, Breast, Testicular, Secondary prevention – early diagnosis, Screening, Tertiary prevention – disability limitation, Rehabilitation: Mobility, Speech, Bowel and bladder, Ostomies etc. Patient and family education, discharge instruction, follow-up care and use of community resources.

UNIT - 6

25 Hrs.

Cancer Treatment Modalities and Nurse's Role: 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, equipment: Linear accelerator, cobalt, Implants, Isotopes, Types of therapies: Oral, Brachy therapy, tele therapy, selectron therapy, Effects of radiation on the body tissue, Radiation biology – cell damage, hypoxic cells, alteration of tumor kinetics. Approaches to radiation therapy – External radiotherapy, Internal radiotherapy – unsealed, Sealed sources, Effectiveness of radiotherapy-Radio sensitivity, treatment effects, Complications of radiotherapy, Radiation safety: Standards of Bhabha Atomic Research Centre (BARC). 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.

UNIT -7

10 Hrs.

Pain management: Theories, types and Nature of cancer pain, pathophysiology of pain, Pain threshold. Assessment of pain: Principles of cancer pain control, Pharmacological: Opioid and non-opioid analgesic therapy, Patient controlled analgesia (PCA), Other invasive techniques of pain control and Recent developments in Cancer pain. Non-Pharmacological pain relief technique- Complementary therapies (Music, massage, meditation, relaxation techniques, bio feedback etc), Psychological intervention in pain control, Alternative system of medicine and Role of nurse.

UNIT - 8

5 Hrs.

Palliative care : Definition and scope, philosophy, Concept and elements of palliative care, Global and Indian perspective of palliative care, Quality of life issues, Communication skill, Nursing perspective of palliative care and its elements, Home care, Hospice care and Role of nurse in palliative care.

UNIT - 9

2 Hrs.

Process of infection, risk of hospitalization, nosocomial infections- prevention & control of infection in acute, long term care facility and community based care and Standard safety measures.

UNIT - 10

30 Hrs.

Infection control : Nursing Care of Patients With Specific Malignant Disorders: Malignancies of G.I. system-oral, oesophagus, stomach, rectal, liver & pancreas, care of ostomies/stoma, Respiratory malignancies, Genito urinary system malignancies- prostate, Bladder, renal, testicular malignancies, Gynecological malignancies-cervix, uterus, ovary, Hematological malignancies-Lymphomas, Leukemias, Malignancies of musculoskeletal system, Endocrine malignancies, Skin, Head and Neck -brain tumors, other malignancies – Breast cancer and AIDS related malignancies (Kaposi's Sarcoma). (30 Hours)

UNIT – 11**10 Hrs.**

Pediatric malignancies: Leukemia, Lymphoma, Neuro- blastoma, Wilm's tumor, Soft tissue sarcoma, Retinoblastoma and Nursing Management of children with Paediatric Malignancies.

UNIT -12**15 Hrs.****Nursing Management of Physiological Conditions and Symptoms of Cancer Patient**

: Nutrition: effects of cancer on nutritional Status and its consequences:-Anemia, Cachexia, Xerostomia, mucositis, Dysphagia , nausea and vomiting, constipation, diarrhoea, electrolyte imbalances, taste alterations. Impaired mobility: Decubitus ulcer, pathologic fractures, thrombophlebitis, pulmonary embolism, contractures, footdrop. Other symptoms: Dyspepsia & hiccup, dyspnoea, intestinal obstruction, Fungating wounds, Anxiety & depression, insomnia and Lymph edema. Impact of cancer on sexuality; Effects of radiotherapy/ chemotherapy/surgery on sexuality of the cancer patient nursing management of cancer patients experiencing sexual dysfunction and Sexual counseling.

UNIT -13**10 Hrs.**

Cancer Emergencies: Disseminated intravascular coagulation (DIC), malignant pleural effusion, neoplastic cardiac tamponade and septic shock, spinal cord compression, Superior venacava syndrome. Metabolic emergency: hyper and hypocalcemia, Surgical emergency, Urological emergency, Hemorrhage, Organ obstruction, Brain metastasis and Nurses role in managing oncologic emergencies.

UNIT – 14**8 Hrs.**

Psycho-Social Aspects of Nursing Care : Psychological responses of patients with cancer, psychosocial assessment – Crisis intervention, coping mechanisms, Stress management, spiritual/cultural care and needs, Counseling: individual and family, Maximizing quality of life of patient and family. Ethical, moral and legal issues- End of life care, Grief and grieving process, Bereavement support and Care of Nurses who care for the dying.

UNIT – 15**2 Hrs.**

Layout and Design of an oncology institution/ ward, OPD, chemotherapy unit, Bone marrow transplantation unit, Pain clinic etc. Practice Standards of oncology nursing : Policies and Procedures, Establishing Standing orders and Protocols. Quality Assurance Programme in oncology units: Nursing audit.

TEXT BOOK:

1. Baig. Principles and Practice of Chemotherapy. 1sted. New Delhi; Jaypee publishers: 2012.
2. Desai. Practical clinical Oncology. 1sted. New Delhi; Jaypee publishers: 2014.
3. Marsh. The Essentials of Clinical Oncology. 1sted. New Delhi; Jaypee publishers; 2005.

REFERENCE BOOKS:

1. Pandey. Advances in Oncology. 1sted. New Delhi; Jaypee publishers; 2004.

2. Bocklage. Bone and Soft tissue tumors. 1sted. New Delhi; Jaypee publishers; 2014.
3. Goodman. Regional Therapeutics for advanced malignancies. 1sted. New Delhi; Jaypee publishers; 2012

PRACTICAL

Total = 960 hours

1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Medical Oncology ward	6	180 Hours
2	Surgical Oncology ward	6	180 Hours
3	Bone marrow transplantation Unit	2	60 Hours
4	Operation Theatre	2	60 Hours
5	Radiotherapy Unit	2	60 Hours
6	Chemotherapy Unit	4	120 Hours
7	Outpatient department	2	60 Hours
8	Pediatric Oncology ward	2	60 Hours
9	Palliative Care ward	2	60 Hours
10	Community oncology	2	60 Hours
11	Hospice	1	30 Hours
12	Other field visits	1	30 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-D
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(NEURO SCIENCES NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth knowledge in the field of neurology and neurosurgical Nursing.
2. Help students to develop advanced skills for nursing intervention in caring for patients with neurological and neurosurgical disorders.
3. Enable the student to function as neuroscience nurse practitioner/ specialist, educator, manager and researcher in the field of neurology and neurosurgical Nursing.

COURSE OUTCOMES:

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 the 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

UNIT - 1

5 Hrs.

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

UNIT - 2

5 Hrs.

Epidemiology :Major health problems- Risk factors associated with neurological conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations, occupational and infections. Health promotion, disease prevention, life style modification and its implications to nursing. Alternate system of medicine/complementary therapies.

UNIT -3

10 Hrs.

Review of Anatomy and physiology : Embryology, Structure and functions of Nervous system- CNS, ANS, cerebral circulation cranial and spinal nerves and reflexes, motor and sensory functions and Sensory organs.

UNIT - 4

15 Hrs.

Assessment and diagnostic measures: History taking, Physical assessment, psychosocial assessment, Neurological assessments, Glasgow coma scale interpretation & its relevance to nursing and common assessment abnormalities. Diagnostic measures: Cerebra spinal fluid analysis, Radiological studies-Skull and spine X-ray Cerebral Angiography, CT Scan, Single Photon Emission Computer Tomography(SPECT), MRI (Magnetic Resonance Imaging), MRA, MRS, Functional MRI, Myelography, PET (Positron Emission Test), Interventional radiology. Electrographic studies- Electro encephalography, MEG, EMG, video EEG, Nerve conduction studies-Evoked potentials, visual evoked potentials, brain stem auditory evoked potentials, somatosensory evoked potentials, Ultrasound studies- Carotid duplex, transcranial Doppler sonography, Immunological studies, Biopsies – muscle, nerve and brain. Interpretation of diagnostic measures and nurse's role in diagnostic tests.

UNIT – 5**5 Hrs.**

Meeting Nutritional needs of neurological patients: Basic nutritional requirements, Metabolic changes following injury and starvation, Nutritional assessment, Common neurological problems that interfere with nutrition and strategies for meeting their nutritional needs, Special metabolic and electrolyte imbalances and chronic fatigue syndrome.

UNIT – 6**5 Hrs.**

Drugs used in neurological and neurosurgical disorders: Classification, Indications, contraindications, actions and effects, toxic effects and Role of nurse.

UNIT – 7**10 Hrs.**

Traumatic conditions: Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and nursing management of Cranio cerebral injuries, Spinal & Spinal cord injuries, Peripheral nerve injuries and Unconsciousness.

UNIT – 8**10 Hrs.**

Cerebro vascular disorders: Causes, pathophysiology, clinical types, clinical features, diagnosis and prognosis. Management: medical, surgical and nursing management of Stroke & arterio venous thrombosis, Haemorrhagic embolus, Cerebro vascular accidents, Intracranial aneurysm, Subarchnoid Haemorrhage, Arterio venous fistula, Brain tumours, Diseases of cranial nerves; Trigeminal neuralgia, Facial palsy and Bulbar palsy.

UNIT – 9**10 Hrs.**

Degenerating and demyelinating disorders : Causes, pathophysiology, Clinical types, clinical features, diagnostic, Prognosis, Management: medical, surgical and Nursing management of Motor neuron diseases, Movement disorders- Tics, dystonia, chorea, wilson's disease, essential tremors, Dementia, Parkinson's disease, Multiple sclerosis and Alzemier's disease.

UNIT – 10**10 Hrs.**

Neuro infections: Causes, pathophysiology, clinical types, clinical features, diagnostic and prognosis. Management: medical, surgical and Nursing management of Neuro infections : Meningitis-types, Encephalitis, Poliomyelitis, Parasitic infections, Bacterial infections, Neurosyphilis, HIV & AIDS and Brain abscess.

UNIT – 11

Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and nursing management of Epilepsy and seizures, Status epilepticus, Syncope, Menier's syndrome and Cephalgia.

UNIT -12**10 Hrs.**

Developmental disorders: Causes, pathophysiology, clinical types, clinical features, diagnostic, prognosis, management: medical, surgical and nursing management of Hydrocephalus, Craniosynostosis, spina bifida- Meningocele, Meningomyelocele, encephalocele, syringomyelia, Cerebro vascular system anomalies, Cerebral palsies and Down's syndrome.

UNIT - 13**10 Hrs.**

Neuro muscular disorders : Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis , Management: medical, surgical and Nursing management of Polyneuritis - G B Syndrome, Muscular dystrophy, Myasthenia gravis, Trigeminal neuralgia, Bell's palsy, Menier's disease, Carpal tunnel syndrome and Peripheral neuropathies.

UNIT -14**5 Hrs.**

Neoplasms – surgical conditions: Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and nursing management of Space occupying lesions –types and common tumors of CNS.

UNIT - 15**5 Hrs.**

Other disorders: Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and nursing management of metabolic disorders- diabetes, insipidus, metabolic encephalopathy, Sleep disorders, Auto immune disorders- multiple sclerosis, inflammatory myopathies.

UNIT - 16**10 Hrs.**

Neuro emergencies: Causes, pathophysiology, Clinical types, Clinical features, diagnostic, Prognosis, Management: medical, surgical and nursing management of increased intracranial pressure, Unconscious, Herniation syndrome, Seizures, Severe head injuries, Spinal injuries and Cerebro vascular accidents.

UNIT -17**5 Hrs.**

Rehabilitation : Concept and Principles of Rehabilitation, Factors affecting quality of life and coping, Rehabilitation in acute care setting and following stroke, head injury and degenerative disorders of brain, Physiotherapy, Counselling and Care giver's role, speech & language -Neurogenic communication disorders and Speech therapy.

UNIT -18**5 Hrs.**

Ethical and legal issues in neuroscience nursing: Brain death and organ transplantation, Euthanasia, Negligence and malpractice and Nosocomial infections.

UNIT -19**5 Hrs.**

Quality assurance in neurological nursing practice : Role of advance practitioner in neurological nursing, Professional practice standards, Quality control in neurologic nursing, Nursing audit, Neuro ICU: Philosophy, aims and objectives, Policies, staffing pattern, design and physical plan of neuro ICU, Team approach, functions, Psychosocial aspects in relation to staff and clients of neuro ICU and In-service education.

TEXT BOOK:

1. Hickey. Neurologic & Neurosurgical Nursing. 8thed. New York; Lippincott William and Wilkins: 2009.
2. Deshpande. Clinics in Neurology. 1sted. New Delhi; Jaypee publishers: 2014.
3. Jabbour. Neurovascular surgical techniques. 1sted. New Delhi; Jaypee publishers: 2013.

REFERENCE BOOKS:

1. Tandon. Ramamurthi and tendon's textbook of Neurosurgery. 1sted. New Delhi; Jaypee publishers: 2014.
2. Amato. Neuromuscular Disorders. 1sted. New Delhi; Jaypee publishers: 2008.
3. Salcman. Kempe's Operative Neurosurgery. 2nded. New Delhi; Jaypee publishers: 2004.
4. Clement. Textbook of Neurological and Neurosurgical Nursing. 1sted. New Delhi; Jaypee publishers: 2015.

PRACTICAL**Total = 960 hours****1 Week = 30 hours**

S.No.	Dept/Unit	No. of Week	Total Hours
1	O.P.D.	2	60 Hours
2	Casualty	2	60 Hours
3	Diagnostics	2	60 Hours
4	Neuro psychiatry	1	30 Hours
5	Neuro Medical wards	4	120 Hours
6	Paediatric Neuro ward	2	60 Hours
7	Neuro surgical wards	4	120 Hours
8	Head Injury ward	3	90 Hours
9	ICU – neuro medicine	4	120 Hours
10	ICU – neuro surgical	4	120 Hours
11	Rehabilitation	2	60 Hours
12	Operation Theatre	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-E
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(NEPHRO - UROLOGY NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of Nephro and urological Nursing.
2. Help students to develop advanced skills for nursing intervention in various nephro and urological conditions.
3. Enable the student to function as nephro and urology nurse practitioner/specialist and provide quality care, educator, manager, and researcher in the field of nephro and urology nursing

COURSE OUTCOMES:

1. Appreciate trends and issues related to nephro and urological nursing
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of nephro and urological conditions
3. Perform physical, psychosocial & spiritual assessment
4. Assist in various diagnostic, therapeutic and surgical interventions
5. Provide comprehensive nursing care to patients with nephro and urological conditions
6. Describe the various drugs used in nephro and urological conditions and nurses responsibility
7. Demonstrate skill in handling various equipments/gadgets used for patients with nephro and urological conditions
8. Appreciate team work & coordinate activities related to patient care.
9. Practice infection control measures.
10. Identify emergencies and complications & take appropriate measures
11. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs
12. Discuss the legal and ethical issues in nephro and urological nursing
13. Identify the sources of stress and manage burnout syndrome among health care providers
14. Appreciate the role of alternative system of medicine in the care of patient
15. Incorporate evidence based nursing practice and identify the areas of research in the field of nephro and urological nursing

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

UNIT - 1

5 Hrs.

Introduction: Historical development: trends and issues in the field of nephro and urological nursing, Nephro and urological problems, Concepts, principles and nursing perspectives, Ethical and legal issues, Evidence based nursing and its application in nephro and urological nursing (To be incorporated in all the units).

UNIT - 2

5 Hrs.

Epidemiology : Major health problems- urinary dysfunction, urinary tract infections, Glomerular disorders, obstructive disorders and other urinary disorders, 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 and Alternate system of medicine/complementary therapies.

UNIT - 3

5 Hrs.

Review of anatomy and physiology of urinary system Embryology, Structure and functions, renal circulation, physiology of urine formation. Fluid and electrolyte balance, acid base balance and immunology specific to kidney.

UNIT - 4

20 Hrs.

Assessment and diagnostic measures : History taking, Physical assessment, psychosocial assessment, Common assessment abnormalities-dysurea, frequency, enuresis, urgency, hesitancy, hematuria, pain, retention, burning on urination, pneumaturia, incontinence, nocturia, polyurea, 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 and nurse's role in diagnostic tests.

UNIT -5

5 Hrs.

General Concept of immunopathology, Immune mechanism of glomerular vascular disease and Role of mediator systems in glomerular vascular disease.

UNIT - 6

15 Hrs.

Renal immunopathy /Immunopathology : Urological Disorders and Nursing Management: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of Urinary tract infections-pyelonephritis, lower urinary tract infections, Disorders for ureters, bladder and urethra, Urinary dysfunctions- urinary retention, urinary incontinence, urinary reflux, Bladder

disorders- neoplasms, calculi, neurogenic bladder, trauma, congenital abnormalities, benign prostatic hypertrophy (BPH) Ureteral disorders: ureteritis, ureteral trauma, congenital anomalies of ureter , Ureteral disorders- tumours, trauma and congenital anomalies of ureters.

UNIT - 7

25 Hrs.

Glomerular disorders and nursing management: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of Glomerular nephritis- chronic, acute, nephritic syndrome, Acute Renal failure and chronic renal failure. Renal calculi, renal tumours-benign and malignant, renal trauma, Renal abscess, Diabetic nephropathy, Vascular disorders, Renal tuberculosis, Polycystic, Congenital disorders and Hereditary renal disorders.

UNIT - 8

10 Hrs.

Management of Renal emergencies: Anuria, acute renal failure, poisoning, trauma, urine retention, acute graft rejection, hematuria and nurse's role.

UNIT - 9

10 Hrs.

Drugs used in Urinary Disorders: Classification, indications, contraindications, actions and effects, toxic effects and role of nurse.

UNIT - 10

10 Hrs.

Dialysis: Historical, types, principles and goals. Hemodialysis - vascular access sites-temporary and permanent. Peritoneal dialysis and dialysis procedure-steps, equipment, maintenance, role of nurse-pre dialysis, intra and post dialysis. Complications, counseling, patient education, records and reports.

UNIT - 11

10 Hrs.

Kidney transplantation, nursing management of a patient with kidney transplantation, kidney transplantations-a historical review, immunology of graft rejections, the recipient of a renal transplant, renal preservations, Human leucocytic antigen (HLA) typing matching and cross matching in renal transplantation. Surgical techniques of renal transplantations, chronic renal transplant rejection, complication after KTP : Vascular and lymphatic, urological, cardiovascular, liver and neurological, infectious complication, KTP in children and management of pediatric patient with KTP, KTP in developing countries, results of KTP, work up of donor and recipient for renal transplant, psychological aspect of KTP and organ donations, ethics in transplants, cadaveric transplantation.

UNIT - 12

5 Hrs.

Rehabilitation of patient with nephrological problems, risk factors and prevention, rehabilitation of patients on dialysis and after kidney transplant, rehabilitation of patients after urinary diversions, family and patient teaching.

UNIT – 13**10 Hrs.**

Paediatric Urinary Disorder : Etiology, clinical manifestations, diagnosis, prognosis, related patho-physiology, medical, surgical and nursing management of children with renal diseases-UTI, ureteral reflux, glomerulo nephritis, nephritic syndrome infantile nephrosis, cystic kidneys, familial factors in renal diseases in childhood, haemolytic uraemic syndrome. Benign recurrent haematuria, nephropathy, wilm'stumour

UNIT – 14**10 Hrs.**

Critical care units-Dialysis, KTP unit : Philosophy, aims and objectives, policies, staffing pattern, design and physical plan of Dialysis and KTP units, team approach, functions, psychosocial aspects in relation to staff and clients of ICU, dialysis unit, In-service education, ethical and legal issues.

UNIT – 15**5 Hrs.**

Quality assurance in nephrological nursing practice: Role of advance practitioner in neurological nursing, Professional practice standards, Quality control in neurologic nursing and nursing audit.

TEXT BOOK :

1. Kamat. Management of Urological problems in general practice. 2nded. New Delhi; Jaypee publishers: 2005.
2. Kalra. Renal disease prevention and management. 1sted. New Delhi; Jaypee publishers: 2008.
3. Chris Bassett. Essentials of Nursing Care. 1st Edition. New Delhi: IK International Pvt. Limited; 2004.

REFERENCE BOOKS:

1. Baughman Diane.C. Hand Book for BrunnerClySuddorth's Text book of Medical Surgical Nursing. 1sted. New York: Lippincott; 1996.
2. Arlene L Polaski, Suzanne E Tatro, Luckmann's Core Principles and Practice Of Medical Surgical Nursing. 1st Edition. India: WB Saunders Elseviers Publisher; 2010.
3. Caroline Bunker, Rosdahl Textbook of Basic Nursing. 7th Edition. Philadelphia: Lippincott Publishers; 1999.

PRACTICAL

Total = 960 hours
1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Nephrology Ward	6	180 Hours
2	Pediatrics	2	60 Hours
3	Critical Care Unit	2	60 Hours
4	Urology Ward	6	180 Hours
5	Dialysis Unit	4	120 Hours
6	Kidney Transplantation Unit	2	60 Hours
7	URO OT	2	60 Hours
8	Emergency Wards	2	60 Hours
9	UroNephro OPDs	4	120 Hours
10	Diagnostic Labs	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-F
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(ORTHOPEDIC NURSING)
CLINICAL SPECIALITY – II
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of orthopedic nursing.
2. Help students to develop advanced skills for nursing intervention in various orthopedic conditions.
3. Enable the student to function as orthopedic nurse practitioner/specialist providing quality care, educator, manager, and researcher in the field of orthopedic nursing

COURSE OUTCOMES:

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 the areas of research in the field of orthopedic nursing.

15. Recognize the role of orthopedic nurse practitioner and as a member of the orthopedic and rehabilitation team.
16. Teach orthopedic nursing to undergraduate students and in-service nurses.
17. Prepare a design and layout of orthopedic and rehabilitative units.

UNIT - 1 **5 Hrs.**

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

UNIT - 2 **8 Hrs.**

Health Assessment: History, physical examination- Inspection, palpation, movement, Measurement, muscle strength Testing, Diagnostic studies – Radiological studies, Muscle enzymes, serologic studies.

UNIT -3 **10 Hrs.**

Care of patients with devices: Splints, braces, various types of plaster cast, various types of tractions, various types of orthopedic beds and mattresses, comfort devices, Implants in orthopedic, Prosthetics and Orthotics.

UNIT - 4 **15 Hrs.**

Injuries : Trauma & Injuries; Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of: Early management of Trauma, Fractures, Injuries of the Shoulder and arm, Elbow, fore arm, wrist, hand, Hip, thigh, knee, leg, ankle, foot & Spine, Head injury, Chest injury: Poly trauma, Nerve injuries, Vascular injuries, Soft tissue injuries, Sports injuries and Amputation.

UNIT - 5 **8 Hrs.**

Infections of Bones and Joints: Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management of: Tuberculosis, Osteomyelitis, Arthritis and Leprosy.

UNIT - 6 **5 Hrs.**

Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical, surgical and nursing management of Bone tumors – Benign, Malignant and metastatic and Different types of therapies for tumors.

UNIT - 7 **10 Hrs.**

Bone Tumors Deformities: Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis – medical surgical and nursing management of Scoliosis, Kyphosis, Lordosis, Congenital disorders: Congenital dislocation of hip(CDH), Dislocation of patella, knee, Varus and valgus deformities Deformities of digits, Congenital torticollis.

Meningocele, meningomyelocele, spina bifida, Chromosomal disorders and Computer related deformities.

UNIT - 8

5 Hrs.

Disorders of the spine Intervertebral disc prolapse, Fracture of the spine, Low back disorder – Low back pain, PND, spinal stenosis and spondylosis.

UNIT - 9

5 Hrs.

Nutritional/Metabolic and Endocrine Disorders: Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of Rickets, Scurvy, Hyper vitaminosis A and D, Osteomalacia, Osteoporosis, Paget's disease, gout, Gigantism, Dwarfism, Acromegaly, and Therapeutic diets for various orthopedic disorders.

UNIT -10

8 Hrs.

Neuro - Muscular Disorders Causes, pathophysiology, clinical features, diagnosis, prognosis, medical surgical and nursing management of: Poliomyelitis, Cerebral Palsy, Myasthenia gravis, Spina bifida, Peripheral nerve lesion, Paraplegia, Hemiplegia, Quadriplegia, Muscular dystrophy.

UNIT -11

8 Hrs.

Chronic/Degenerative Diseases of Joints and Autoimmune Disorders: Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis – medical, surgical and nursing management of Osteo Arthritis, Rheumatoid Arthritis, Ankylosing spondylitis, Spinal disorders and Systemic Lupus Erythematosus.

UNIT - 12

5 Hrs.

Orthopedic Disorders in Children: General and special consideration on pediatric orthopedics, Genetic disorders, Congenital anomalies, Growth disorders, Genetic counseling and Nurses role in genetic counseling.

UNIT - 13

5 Hrs.

Geriatric Problems :Geriatric population, types of disabilities, causes, treatment and Management-Hospitalization, rest, physiotherapy, involvement of family members, social opportunities, Care at home – involvement of family and community, follow up care and rehabilitation.

UNIT -14

6 Hrs.

Pharmacokinetics: Principles of drug administration, Analgesics and anti-inflammatory agents, Antibiotics, Antiseptics, Drugs used in orthopedics and neuromuscular disorders, Blood and blood components, Care of drugs and nurses role

UNIT -15

30 Hrs.

Nurses Role in Orthopedic Conditions Gait analysis, Urodynamic studies, Prevention of physical deformities, Alteration of body temperature regulatory system and immune systems, Immobilization – cast, splints, braces and tractions, Prevention and care of

problems related to immobility, Altered sleep patterns, Impaired communication, Self-care and activities of daily living, Bladder and bowel rehabilitation, Sensory function rehabilitation, Psychological reaction related to disabilities and disorders, Coping of individual and family with disabilities and disorders, maintaining sexuality and Spirituality – A rehabilitative prospective. Orthopedic Reconstructive Surgeries: Replacement surgeries – Hip, Knee, Shoulder, Spine surgeries, Grafts and flaps surgery and 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 and Chest physiotherapy.

UNIT -16

8 Hrs.

Rehabilitation: Principles of rehabilitation, definition, philosophy, process, various types of therapies, special therapies and alternative therapies, Rehabilitation counseling, Preventive and restorative measures. Community based rehabilitation (CBR), Challenges in rehabilitation, Role of the nurse in rehabilitation, legal and ethical issues in rehabilitation nursing and occupational therapy.

UNIT -17

5 Hrs.

National Policies and Programmes: National programmes for rehabilitation of persons with disability - National Institutes, artificial limbs manufacturing Corporation, District Rehabilitation Centers and their schemes. Regional rehabilitation centers etc. Public policy in rehabilitation nursing, The persons with disabilities act 1995, Mental rehabilitation and Multiple disabilities act 1992, The National Trust Rules 1999 and 2000, Rehabilitation Council of India, Legal and ethical aspects in orthopedic nursing, Rehabilitation health team and different categories of team members.

UNIT -18

4 Hrs.

Quality assurance: Standards, Protocols, Policies, Procedures, Nursing audit, Staffing, Design of orthopedic, physiotherapy and rehabilitation unit.

TEXT BOOK :

1. John Ebenezer. Orthopaedics for Nurses. 1sted. New Delhi: Jaypee brother's publishers; 2005.
2. Mary Powell, Orthopaedic Nursing, ELBS: 1976.
3. B T Basvanthappa. Text book of Medical surgical nursing. NewDelhi: Jaypee publishers; 2003.

REFERENCE BOOKS:

1. Barbara K Timbly, Nancy K Smith. Medical Surgical Nursing. USA. Williams and Wilkins; 2007.
2. Lewis Heitkemper, DirksenO'Brien. Medical Surgical Nursing 7th Edition. Missouri: Elsevier publishers: 2008.

3. Joyce M Black, Jane Hawks. Text book of Medical surgical nursing. 7th Edition. New Delhi: Elsevier publication; 2005.

PRACTICAL

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

Total = 960 hours
1 Week = 30 hours

S.No.	Dept/Unit	No. of Week	Total Hours
1	Orthopedic Ward	8	240 Hours
2	Orthopedic Operation theatre	4	120 Hours
3	Neurosurgical Ward	2	60 Hours
4	Orthopedic O.P.D	4	120 Hours
5	Casualty / Emergency and Trauma	4	120 Hours
6	Rehabilitation Units	2	60 Hours
7	Physiotherapy Unit	4	120 Hours
8	Paediatric / Paediatric surgery unit	2	60 Hours
9	Field Visit	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN202-G
TITLE OF THE COURSE : MEDICAL SURGICAL NURSING
(GASTRO ENTEROLOGY NURSING)
CLINICAL SPECIALITY - II
L: T/A: P: C : 150:2: 950: 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in-depth understanding in the field of gastro enterology Nursing.
2. Help students to develop advanced skills for nursing intervention in various gastro enterology conditions.
3. Enable the student to function as gastro enterology nurse practitioner/specialist and provide quality care, educator, manager, and researcher in the field of gastro enterology nursing

COURSE OUTCOMES:

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 equipment /gadgets used for patients with gastrointestinal conditions
9. Appreciate team work & coordinate activities related to patient care.
10. Practice infection control measures.
11. Identify emergencies and complications & take appropriate measures
12. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs
13. Discuss the legal and ethical issues in GE nursing
14. Identify the sources of stress and manage burnout syndrome among health care providers

15. Appreciate the role of alternative system of medicine in care of patient
16. Incorporate evidence based nursing practice and identify the areas of research in the field of gastrointestinal nursing
17. Teach and supervise nurses and allied health workers.
18. Design a layout of Gastro enterology intensive care unit (GEICU), liver care/transplant unit

UNIT - 1

5 Hrs.

Introduction: Historical development: trends and issues in the field of gastro enterology and gastro enterological problems. Concepts, principles and nursing perspectives, Ethical and legal issues, Evidence based nursing and its application in gastrointestinal nursing (to be incorporated in all the units).

UNIT -2

5 Hrs.

Epidemiology :Risk factors associated with GE conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations, Health promotion, disease prevention, life style modification and its implications to nursing, National health programmes related to gastro enterology and Alternate system of medicine/complementary therapies.

UNIT - 3

5 Hrs.

Review of anatomy and physiology of gastrointestinal system: Gastrointestinal system, Liver, biliary and pancreas, Gerontology considerations, embryology of GI system and Immunology specific to GI system.

UNIT - 4

15 Hrs.

Assessment and diagnostic measures : History taking, Physical assessment, psychosocial assessment, Diagnostic tests: Radiological studies: Upper GIT- barium swallow, lower GIT- Barrium enema, Ultra sound, Computed tomography, MRI, Cholangiography: Percutaneous transheptatic Cholangiogram(PTC), Magnetic Resonance Cholangiopancreatography (MRCP), Nuclear imaging scans(scintigraphy), Endoscopy, Colonoscopy, Proctosigmoidoscopy, Endoscopic Retrogrde Cholongiopancreatography (ERCP), Endoscopic ultrasound, Peritonoscopy (Laproscopy), Gastric emptying studies, Blood chemistries: Serum amylase, serum lipase, Liver biopsy, Miscellaneous tests: Gastric analysis, fecal analysis, Liver function tests: Bile formation and excretion, dye excretion test, Protein metabolism, haemostatic functions- Prothrombin, vitamin K production, serum enzyme tests, Lipid metabolism, serum cholesterol, Interpretation of diagnostic measures and nurse's role in diagnostic tests.

UNIT - 5

25 Hrs.

Gastro intestinal disorders and nursing management : Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of Disorders of the mouth: Dental caries, Peridental 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 cyclic nausea and vomiting, Rumination syndrome, Functional dyspepsia, Chronic Non specific (functional) abdominal pain. Disorders of the small intestine: Malabsorption syndrome – tropical sprue, Gluten – sensitive enteropathy (Coeliac disease), Inflammatory diseases of intestines and abdomen: appendicitis, Peritonities, Intestinal obstruction, Abdominal TB, Gastrointestinal polyposis syndrome, Chronic inflammatory bowel disease, Ulcerative colites, crohn’s disease, Infestations and infections – Worm infestations, Typhoid, Leptospirosis, Solitary rectal ulcer syndrome, Alteration in bowel elimination (diarrhoea, constipation, fecal impaction, fecal incontinence, Irritable bowel syndrome, Chronic idiopathic constipation and Functional diarrhea. Anorectal Conditions: Hemorrhoids, Anal fissure, Anal fistula, Abscess, Strictures, Rectal prolapse, Pruritisani, Pelonidal disease, Anal condylomas and Warts.

UNIT – 6

15 Hrs.

Disorder of liver, pancreas gall bladder and nursing management : Disorders of liver biliary tract : Viral Hepatitis – A, B, C, D & E, Toxic hepatitis, Cirrhosis of liver, liver failure, Liver transplantation, Non cirrhotic portal fibrosis, Liver abscess, Parasitic and other cysts of the liver, Disorders of the Gall Bladder and Bile Duct: Cholecystitis, 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 and Hiccups.

UNIT – 7

15 Hrs.

Gastro intestinal emergencies and nursing interventions : Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of: Esophageal varices, Ulcer perforation, Acute cholecystitis, Diverticulitis, Fulminant hepatic failure, Biliary obstruction, Bowel obstruction, Gastroenteritis, 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 and Food poisoning.

UNIT – 8

15 Hrs.

Congenital Anomalies of Esophagus: Esophageal atresia, Tracheo esophageal fistula, Esophageal stenosis, Esophageal duplications, Dysphagia – Lusoria – aberrant right subclavian artery compressing esophagus, Esophageal rings – schalzkiring, Esophageal webs. Congenital Anomalies of Stomach; Gastric atresia, Micro gastia, Gastric diverticulum, Gastric duplication, Gastric teratoma, Gastric volvulus, Infantile hypertrophic pyloric stenosis and Adult hypertrophic pyloric stenosis. Congenital Anomalies of Duodenal: Duodenal Atresia or stenosis, Annular pancreas, Duodenal duplication cysts, Malrotation and mid gut volvulus. Developmental anomalies of the intestine: Abdominal

wall defects (omphalocele and Gastroschisis), Meckel's diverticulum and Intestinal atresia and Hirschsprung's disease.

UNIT - 9

15 Hrs.

Pharmo Kinetics : Drugs used in GIT, Principles of administration, Roles & responsibilities of nurses, drugs in Peptic ulcer disease, Proton Pump inhibitors, H2 Receptor Antagonists. Cytoprotective Agents, Drugs used in Diarrhea and Drugs used in constipation, Drugs used in Inflammatory Bowel Disease: Aminosalicylates, Corticosteroids, Immunomodulators, chemotherapy, Antibiotics, Antiemetics: Anticholinergics, Antihistaminics, Antihelminthics and Vitamin Supplements.

UNIT - 10

10 Hrs.

Nutrition and nutritional problems related to GI system : Nutritional assessment and nursing interventions, Therapeutic diets, adverse reactions between drugs and various foods, Malnutrition- etiology, clinical manifestations and management, Tube feeding, parenteral nutrition, total parenteral nutrition, Obesity- etiology, clinical manifestations and management, Eating disorders- anorexia nervosa, bulimia nervosa and recent advances in nutrition.

UNIT - 11

15 Hrs.

Malignant disorders of gastro intestinal system: Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical, other modalities and nursing management of: Malignancy of oral cavity, Lip, Tongue, buccal mucosa, oropharynx, Salivary gland. Esophageal, Gastric, Carcinoma of bowel - Small bowel, Colorectal and Anal carcinoma, Liver, biliary tract and Pancreatic carcinoma.

UNIT - 12

5 Hrs.

Administration and management of GE unit: Design & layout, Staffing, Equipment, supplies, Infection control; Standard safety measures. Quality Assurance:-Nursing audit - records /reports, Norms, policies and protocols and Practice standards.

UNIT - 13

5 Hrs.

Education and training in GE care: Staff orientation, training and development, In-service education program and Clinical teaching programs.

TEXT BOOK :

1. Phips Wilma J, Shafer's Medical Surgical Nursing, B.T.Publication, Bangalore; 7:1995.
2. Smeltzer.S.C, Bare. B.G, Brunner &Suddarth's Text book of Medical Surgical Nursing, Lippincott, New York; 10: 2004.
3. Black Joyce, Medical Surgical Nursing: Clinical Management, Harcourt Brace, Singapore; 5: 1998.

REFERENCE BOOKS:

1. Verolyn Rae Bolander. Sorensen and Luckmann's Basic Nursing- A Psychophysiologic Approach. 3rd Edition. United States Of America: WB Saunders Company Publication; 1994.
2. Sharon Mantik Lewis, Margaret Mclean, Shannon Ruff Dirkson. Medical Surgical Nursing. 6th Edition. Missouri: Mosby Publications; 2004.
3. Chris Bassett. Essentials of Nursing Care. 1st Edition. New Delhi: IK International Pvt. Limited; 2004

PRACTICAL**Total = 960 hours****1 Week = 30 hours**

S. No.	Dept./Unit	No. of Week	Total Hours
1	Diagnosis labs	2	60 Hours
2	Emergency and casualty	3	90 Hours
3	Liver transplant unit	1	30 Hours
4	GE Medical Ward	6	180 Hours
5	GE Surgical Ward	8	240 Hours
6	OT	2	60 Hours
7	ICU	4	120 Hours
8	Pediatric gastroenterology	2	60 Hours
9	Oncology	2	60 Hours
10	GE OPD	2	60 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN203
TITLE OF THE COURSE : OBSTETRIC AND GYNECOLOGICAL NURSING
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist the student in developing expertise and in depth understanding in the field of Obstetric and gynecological Nursing.
2. Help the student to develop advanced nursing skills for nursing interventions in various obstetrical and gynecological conditions.
3. Further enable the students to function as midwifery nurse practitioner/ specialist, educator, manager and researcher in the field of obstetric and gynecological nursing.

COURSE OUTCOMES:

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 equipment /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 identify the areas of research in the field of obstetrical and gynecological nursing
14. Function as independent midwifery nurse practitioner

UNIT - 1**25 Hrs.**

Management of problems of women during pregnancy: Risk approach of obstetrical nursing care, concept & goals, Screening of high-risk 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, prolonged pregnancy- post term, post maturity, multiple pregnancies, Intra uterine infection & pain during pregnancy, Intra Uterine Growth Retardation (IUGR), Premature Rupture of Membrane (PROM) and intra uterine death.

UNIT - 2**20 Hrs.**

Pregnancies at risk-due to pre-existing health problems: Metabolic conditions, Anemia and nutritional deficiencies, Hepatitis, cardio-vascular disease, thyroid diseases, epilepsy, essential hypertension and chronic renal failure. Tropical diseases, psychiatric disorders, Infections: Toxoplasmosis Rubella cytomegalo virus Herpes (TORCH), Reproductive Tract Infection (RTI), STD; HIV/AIDS, Vaginal infections, Leprosy, Tuberculosis. Other risk factors: Age- Adolescents, elderly; unwed mothers, sexual abuse, substance use, Pregnancies complicating with tumors, uterine anomalies, prolapsed and ovarian cyst.

UNIT - 3**15 Hrs.**

Abnormal labour, pre-term labour & obstetrical emergencies : Etiology, pathophysiology and nursing management of 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 and prolapse cord, Augmentation of labour, Medical and surgical induction, Version, Manual removal of placenta, Obstetrical operation: Forceps delivery, Ventouse, Caesarian section, Destructive operations, Genital tract injuries-Third degree perineal tear, VVF, RVF. Complications of third stage of labour: Postpartum Hemorrhage and Retained placenta.

UNIT - 4**10 Hrs.**

Post-partum complications: Nursing management of puerperal infections, puerperal sepsis, urinary complications, puerperal venous thrombosis and pulmonary embolism. Sub involution of uterus, Breast conditions, and thrombophlebitis. Psychological complications, post-partum blues, depression, psychosis

UNIT - 5**25 Hrs.**

High Risk Newborn : Concept, goals, assessment and principles. Nursing management of Pre-term, small for gestational age, post-mature infant and baby of diabetic and substance use mothers. Respiratory conditions, Asphyxia neonatorum, neonatal apnoea, meconium aspiration syndrome, pneumo thorax, pneumo mediastinum, Icterus neonatorum, Birth

injuries, Hypoxic ischaemic encephalopathy, Congenital anomalies, Neonatal seizures, Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia, Neonatal heart diseases, Neonatal hemolytic diseases, Neonatal infections, neonatal sepsis, ophthalmia neonatorum, congenital syphilis, HIV/AIDS. Advanced neonatal procedures and calculation of fluid requirements. Hematological conditions – erythroblastosis fetalis, hemorrhagic disorder in the newborn. Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.

UNIT – 6

15 Hrs.

HIV/AIDS: HIV positive mother and her baby. Epidemiology, Screening and 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 and Role of nurse.

UNIT – 7

25 Hrs.

Gynecological problems and nursing management : Gynecological assessment and Gynecological procedures, Etiology, pathophysiology, diagnosis and nursing management of Menstrual irregularities, Diseases of genital tract, Genital tract infections, Uterine displacement, Genital prolapsed, Genital injuries, Uterine malformation, Uterine fibroid, ovarian tumors, Breast carcinoma, Pelvic inflammatory diseases, reproductive tract malignancies, hysterectomy – vaginal and abdominal. Sexual abuse, rape, trauma and assault.

UNIT – 8

10 Hrs.

Administration and management of obstetrical and gynecological unit : Design & layout, staffing, Equipment, supplies, Infection control; Standard safety measures, Quality Assurance:-Obstetric auditing –records /reports. Norms, policies and protocols, Practice standards for obstetrical and gynecological units.

UNIT – 9

5 Hrs.

Education and training in obstetrical and gynecological care: Staff orientation, training and development, In-service education program and clinical teaching programs.

TEXT BOOK:

1. I. M. Bobak, D. L. Lowdermilk & S.E. Perry. Maternity Nursing. 4th edition. St. Louis: Mosby; 1995.
2. D.C. Dutta. Textbook of obstetrics. 6th edition. Calcutta: New central book agency; 2004.
3. Diane M. Fraser. Myles textbook for midwives. 14th edition. Edinburgh: Churchill Livingstone; 2004.
4. Annamma Jacob. A comprehensive textbook of midwifery. New Delhi; Jaypee medical publishers 2005.

REFERENCE BOOKS:

1. James David K. High risk Pregnancy management's options. 2nd ed. London; W B Saunders; 1999.
2. Lee Richard V.Ed. Medical care of the pregnant patient. 1st ed. Philadelphia; American college; 2000.
3. Alexander J.O. Midwifery Practices care topics. 1st ed. London; Macmillan: 1996.
4. Kargar Ishbel Ed. Challenges in the Midwifery Care.1st ed. London; Macmillan: 1997

PRACTICAL**Total = 960 hours****1 Week = 30 hours**

S.No.	Dept/Unit	No. of Week	Total Hours
1	Antenatal OPD including Infertility clinics/Reproductive medicine, Family welfare and post partum clinic / PTCT	6	180 Hours
2	Antenatal and Postnatal ward	6	180 Hours
3	Labour room	4	120 Hours
4	Neonatal Intensive Care Unit	3	90 Hours
5	Obstetric / Gynae Operation Theatre	3	90 Hours
6	Gynae Ward	4	120 Hours
7	CHC, PHC, SC	6	180 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN204
TITLE OF THE COURSE : CHILD HEALTH NURSING
L: T/A: P: C : 150:2: 950: 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of Pediatric Nursing.
2. Help students to develop advanced skills for nursing intervention in various pediatric medical and surgical conditions.
3. Enable the student to function as pediatric nurse practitioner/specialist, educator, manager, and researcher in the field of Pediatric nursing.

COURSE OUTCOMES:

1. Apply the nursing process in the care of ill infants to pre 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.

UNIT - 1

5 Hrs.

Introduction : Current principles, practices and trends in Pediatric Nursing, Role of pediatric nurse in various settings -Expanded and Extended.

UNIT - 2

35 Hrs.

Pathophysiology, assessment (including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities and nursing intervention in selected pediatric medical disorders. Child with respiratory disorders : Upper respiratory tract: choanal atresia, tonsillitis, epistaxis, aspiration. Lower respiratory tract: Broncheolitis, Bronchopneumonia, Asthma, cystic fibrosis. Child with gastro-intestinal disorders: Diarrheal diseases, gastro-esophageal reflux. Hepatic disorders: Hepatitis, Indian childhood cirrhosis, liver transplantation, Malabsorption syndrome, Malnutrition. Child with renal/ urinary tract disorders: Nephrotic syndrome, Nephritis, Hydronephrosis, hemolytic-uremic syndrome, kidney transplantation. Child with cardio-vascular disorders: Acquired: Rheumatic fever, Rheumatic heart disease, Congenital: Cyanotic and acynotic. Child with endocrine/metabolic disorders: Diabetes insipidus, Diabetes Mellitus – IDDM, NIDDM, hyper and hypo thyroidism, phenylketonuria, galactosemia. Child with Neurological disorders: Convulsions, Meningitis, encephalitis, guillian- Barre syndrome.

Child with oncological disorders: Leukemias, Lymphomas, Wilms' tumor, nephroblastomas, neuroblastomas, Rhabdomyosarcoma, retinoblastoma, hepatoblastoma, bone tumors, Child with blood disorders: Anemias, thalassemias, hemophilia, polycythemia, thrombocytopenia, and disseminated intravascular coagulation. Child with skin disorders, Common Eye and ENT disorders and common Communicable diseases.

UNIT - 3

35 Hrs.

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, 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 bladder. Anomalies of the skeletal system, Eye and ENT disorders, Nursing management of the child with traumatic injuries: General principles of managing Pediatric trauma: Head injury, abdominal injury, poisoning, foreign body obstruction, burns& Bites. Child with oncological disorders: Solid tumors of childhood, Nephroblastoma, Neuro blastoma, Hodgkin's/Non-Hodgkin's Lymphoma, Hepatoblastoma, Rhabdomyosarcoma. Management of stomas, catheters and tubes, management of wounds and drainages.

UNIT - 4

10 Hrs.

Intensive care for pediatric client : Resuscitation, stabilization & monitoring of pediatric patients, Anatomical & physiological basis of critical illness in infancy and childhood, Care of child requiring long-term ventilation, Nutritional needs of critically ill child, Legal and ethical issues in pediatric intensive care, Intensive care procedures, equipment and techniques and documentation.

UNIT - 5

20 Hrs.

High Risk Newborn : Concept, goals, assessment and principles. Nursing management of Post-mature infant and baby of diabetic and substance use mothers. Respiratory conditions: Asphyxia neonatorum, neonatal apnoea, meconium aspiration syndrome, pneumo thorax, pneumo mediastinum. Icterus neonatorum, Birth injuries, Hypoxic ischaemic encephalopathy, Congenital anomalies. Neonatal seizures, Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia. Neonatal heart diseases, Neonatal hemolytic diseases, Neonatal infections, neonatal sepsis, ophthalmia neonatorum, congenital syphilis, HIV/AIDS, Advanced neonatal procedures, Calculation of fluid requirements. Hematological conditions – erythroblastosis fetalis, hemorrhagic disorder in the newborn, Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.

UNIT – 6 **10 Hrs.**
Developmental disturbances and implications for nursing : Adjustment reaction to school, learning disabilities, Habit disorders, speech disorders, Conduct disorders, early infantile autism, Attention deficit hyperactive disorders (ADHD), depression and childhood schizophrenia.

UNIT -7 **10 Hrs.**
Challenged child and implications for nursing : Physically challenged, causes, features, early detection & management. Cerebral palsied child, mentally challenged child, Training & rehabilitation of challenged children.

UNIT – 8 **5 Hrs.**
Crisis and nursing intervention : The hospitalized child, Terminal illness & death during childhood and Nursing intervention-counseling.

UNIT – 9 **5 Hrs.**
Drugs used in Pediatrics : Criteria for dose calculation: Administration of drugs, oxygen and blood, Drug interactions, Adverse effects and their management.

UNIT – 10 **10 Hrs.**
Administration and management of pediatric care unit
: Design & layout, Staffing, Equipment, supplies, Norms, policies and protocols and Practice standards for pediatric care unit and Documentation.

UNIT – 11 **5 Hrs.**
Education and training in Pediatric care: Staff orientation, training and development, In-service education program and Clinical teaching Programme.

TEXT BOOK :

1. Wong. Whaley & Wong's nursing care of Infants & Children. 5th ed. St. Louis; Mosby: 1995.
2. Meharban Singh. Care of the Newborn. 6thed. New Delhi; Sagar: 2004.
3. Marlow Dorothy. Textbook of Pediatric Nursing. 6th ed. Philadelphia; W B. Saunders: 2001.

REFERENCE BOOKS:

1. Gupte. Short Textbook of Pediatrics. 10th edition. New Delhi: Jaypee; 2004.
2. Datta. Paediatric Nursing. 3rd edition. New Delhi: Jaypee publishers; 2014.
3. Guha. Practical Newborn Critical care Nursing. 1st edition. New Delhi: Jaypee publishers; 2015.

PRACTICAL

Total = 960 hours
1 Week = 30 hours

Field visits:

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Pediatric medicine ICU	4	120 Hours
2	Pediatric surgical ICU	4	120 Hours
3	NICU	4	120 Hours
4	Pediatric OT	2	60 Hours
5	Pediatric medicine ward	6	180 Hours
6	Pediatric surgery ward	6	180 Hours
7	Emergency / Casualty	4	120 Hours
8	Field visits*	2	60 Hours
	Total	32 Weeks	960 Hours

*Child care center, Anganwadi, play school, Special schools for challenged children, Juvenile court, UNICEF, Orphanage, Creche, SOS village.

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN205
TITLE OF THE COURSE : MENTAL HEALTH NURSING
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of Psychiatric Nursing.
2. Help students to develop advanced skills for nursing intervention in various psychiatric conditions.
3. Enable the student to function as psychiatric nurse practitioner/specialist, educator, manager, and researcher in the field of Psychiatric nursing.

COURSE OUTCOMES:

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.

UNIT - 1

2 Hrs.

Principles and practice of Psychiatric nursing: Review.

UNIT - 2

10 Hrs.

Crisis Intervention : Crisis, Definition, Phases In The Development of A Crisis, Types of Crisis; Dispositional Anticipated Life Transitions, Traumatic Stress, Maturation/Development , Reflecting Psychopathology, Psychiatric Emergencies and their management, Grief and grief reaction, Crisis Intervention; Phases. Post-traumatic stress disorder (PTSD) and role of the Nurse.

UNIT - 3 **4 Hrs.**
Anger/ Aggression Management : Anger and Aggression, Types, Predisposing Factors, Management and Role of the Nurse.

UNIT - 4 **5 Hrs.**
The Suicidal Client : Epidemiological Factors, Risk Factors. Predisposing factors, Theories of Suicide-Psychological, Sociological, Biological and Nursing Management.

UNIT - 5 **5 Hrs.**
Disorders of Infancy, Childhood, and Adolescence : Mentally Challenged, Autistic Disorders, Attention-Deficit Hyperactivity Disorder, Conduct Disorders, behavioral disorders, Oppositional Defiant Disorder, Tourette's Disorders, Separation Anxiety Disorder, Psychopharmacological Intervention and Nursing Management.

UNIT - 6 **5 Hrs.**
Delirium, Dementia, and Amnesic Disorders : Delirium, Dementia, Amnesia, Psychopharmacological Intervention and Nursing Management.

UNIT - 7 **10 Hrs.**
Substance-Related Disorders : Substance-Use Disorders, Substance-Induced Disorders, Classes of Psychoactive Substances and predisposing Factors the dynamics of Substance-related disorders, The Impaired Nurse, Codependency, Treatment Modalities for Substance-Related Disorders and Nursing Management.

UNIT - 8 **10 Hrs.**
Schizophrenia and Other Psychotic Disorders (Check ICD10): Nature of the Disorder and predisposing Factors. Schizophrenia –Types: Disorganized Schizophrenia, Catatonic Schizophrenia, Paranoid Schizophrenia, Undifferentiated Schizophrenia and Residual Schizophrenia. Other Psychotic disorders: Schizoaffective Disorder, Brief Psychotic Disorder, Schizophrenic form Disorder, Psychotic Disorder Due to a General Medical Condition and Substance-Induced Psychotic Disorder, Treatment and Nursing Management.

UNIT - 9 **8 Hrs.**
Mood Disorders : Historical Perspective, Epidemiology, The Grief Response, Maladaptive Responses To Loss, Types Of Mood Disorders, Depressive disorders, Bipolar disorders, Treatment and Nursing Management.

UNIT - 10 **8 Hrs.**
Anxiety Disorders: Historical Aspects, Epidemiological Statistics, How much is too much? Types: Panic Disorder, Generalized Anxiety Disorder, Phobias, Obsessive-Compulsive Disorder, Posttraumatic Stress Disorder, Anxiety disorder due to a general Medical condition, substance-induced anxiety disorder, treatment modalities. Psychopharmacology & Nursing Management.

UNIT - 11 **5 Hrs.**
Somatoform and Sleep Disorders: Somatoform Disorders, Historical Aspects, Epidemiological Statistics, Pain Disorder, Hypochondriasis, Conversion Disorder, Body Dysmorphic Disorder, Sleep Disorder, Treatment Modalities and Nursing Management.

UNIT - 12 **4 Hrs.**
Dissociative Disorders and Management: Historical Aspects, Epidemiological Statistics, Application of the Nursing Management Treatment Modalities and Nursing Management.

UNIT - 13 **4 Hrs.**
Development of Human Sexuality, Sexual Disorders, Variation in Sexual Orientation and Nursing Management.

UNIT - 14 **4 Hrs.**
Sexual and Gender Identity Disorders : Eating Disorders: Epidemiological Factors, Predisposing Factors; Anorexia Nervosa and Bulimia Nervosa obesity, Psychopharmacology, Treatment & Nursing Management.

UNIT - 15 **4 Hrs.**
Adjustment and Impulse Control Disorders: Historical and Epidemiological Factors, Adjustment Disorders, Impulse Control Disorders, treatment and nursing management.

UNIT - 16 **4 Hrs.**
Medical Conditions due to Psychological Factors : Asthma, Cancer, Coronary Heart Disease, Peptic Ulcer, Essential Hypertension, Migraine Headache, Rheumatoid Arthritis, Ulcerative Colitis, Treatment & Nursing Management.

UNIT - 17 **8 Hrs.**
Personality Disorders : Historical perspectives, Types of Personality Disorders: Paranoid Personality Disorder, Schizoid Personality Disorder, Antisocial Personality Disorder, Borderline Personality Disorder, Histrionic Personality Disorder, Narcissistic Personality Disorder, Avoidance Personality Disorder, Dependent Personality Disorder, Obsessive-Compulsive Personality Disorder and Passive-Aggressive Personality Disorders. Identification, diagnostic, symptoms, psychopharmacology, treatment & nursing management.

UNIT - 18 **8 Hrs.**
The Aging Individual: Epidemiological Statistics, Biological Theories, Biological Aspects of Aging, Psychological Aspects of Aging, Memory Functioning, Socio-cultural aspects of aging, Sexual aspects of aging, Special Concerns of the Elderly Population, Psychiatric problems among elderly population, Treatment & Nursing Management.

UNIT - 19 **5 Hrs.**
The person living with HIV Disease: Psychological problems of individual HIV/AIDS, Counseling, Treatment & Nursing Management.

UNIT – 20 **5 Hrs.**
Problems Related to Abuse or Neglect : Vulnerable groups, Women, Children, elderly, psychiatric patients, under privileged, challenged, Predisposing Factors, Treatment & Nursing management- Counseling.

UNIT – 21 **7 Hrs.**
Community Mental Health Nursing: National Mental Health Program- Community mental health program, The Changing Focus of care, The Public Health Model, The Role of the Nurse, Case Management. The community as Client: Primary Prevention, populations at Risk, Secondary prevention, Tertiary Prevention and Community based rehabilitation.

UNIT -22 **5 Hrs.**
Ethical and Legal Issues in Psychiatric/Mental Health Nursing: Ethical Considerations, Legal Consideration : Nurse Practice Acts, Types of Law, Classification within Statutory and Common Law, Legal Issues in Psychiatric/Mental Health Nursing and Nursing Liability.

UNIT -23 **5 Hrs.**
Psychosocial rehabilitation: Principles of rehabilitation, Disability assessment, Day care centers, half way homes, Reintegration into the community, Training and support to care givers, Sheltered workshops and Correctional homes.

UNIT – 24 **5 Hrs.**
Counseling: Liaison psychiatric nursing, Terminal illnesses-Counseling, Postpartum psychosis-treatment, care and counseling, Death dying- Counseling, Treatment, care and counseling – Unwed mothers, HIV and AIDS.

UNIT – 25 **5 Hrs.**
Administration and management of psychiatric units including emergency units. :Design & layout, Staffing, Equipment, supplies, Norms, policies and protocols, Quality assurance, Practice standards for psychiatric nursing and Documentation.

UNIT – 26 **5 Hrs.**
Education and training in psychiatric care: Staff orientation, training and development, In-service education program and Clinical teaching programs.

TEXT BOOK :

1. Townsend Mary. Psychiatric Health Nursing. 3rd edition. Philadelphia: F.A.Davis; 2005.
2. Staurt Sundeen. Principles & practices of psychiatric Nursing. 7th edition. New Delhi: Harcourt Mosby Inc.; 2001.
3. Sreevani.R. A Guide to Mental health psychiatric nursing. 1st edition. New Delhi: Jaypee; 2004.
4. Kapoor Bimla. Textbook of Psychiatric Nursing. 1st edition. Delhi: Kumar publishers; 1998.

5. Ahuja Niraj. A Short Text Book of Psychiatry. 4th edition. Jaypee: New Delhi; 1999.

REFERENCE BOOKS:

1. Prisch Noreen. Psychiatric Mental Health Nursing. 2nd edition. Australia: Thomson Delmer; 2002.
2. Fontaine. K.L. Mental Health Nursing. 1st edition. New York: Addison Wisley ; 1999.
3. Vyas. J.N. Text book of Post Graduate Psychiatry. 2nd edition. New Delhi: Jaypee; 1999.
4. Boyd. Mary Ann. Psychiatric Nursing. 2nd edition. Philadelphia: Lippincott; 2002

PRACTICAL

Total = 960 hours

1 Week = 30 hours

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Acute Psychiatric Ward	4	120 Hours
2	Chronic Psychiatric Ward	4	120 Hours
3	De-addiction Unit	4	120 Hours
4	Psychiatric Emergency Unit	4	120 Hours
5	O.P.D (Neuro and psychiatric)	3	90 Hours
6	Child Psychiatric Unit and child guidance clinic	2	60 Hours
7	Post-natal ward	1	30 Hours
8	Family Psychiatric Unit	2	60 Hours
9	Field visits	2	60 Hours
10	Rehabilitation	2	60 Hours
11	Community Mental Health Unit	4	120 Hours
	Total	32 Weeks	960 Hours

SEMESTER/YEAR : II YEAR
COURSE CODE : 16MSN206
TITLE OF THE COURSE : COMMUNITY HEALTH NURSING
L: T/A:P: C : 150 :2 : 950 : 0

COURSE OBJECTIVES:

1. Assist students in developing expertise and in depth understanding in the field of community health nursing.
2. Help students to develop advanced skills for nursing intervention in various aspects of community health care settings.
3. Enable the student to function as community health Nurse practitioner/specialist, educator, manager and researcher in the field of community health nursing

COURSE OUTCOMES:

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 programmes
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 programmes
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 center and develop standards for community health nursing practice.

UNIT - 1**20 Hrs.**

Epidemiology : Introduction, Concept, scope, definition, trends, History and development of modern Epidemiology, Contribution of epidemiology, Implications, Epidemiological methods, Measurement of health and disease: Health policies, Epidemiological approaches, Study of disease causatives, Health promotion, Levels of prevention, Epidemiology of Communicable diseases, Non-communicable diseases, Emerging and re-emerging diseases Epidemics, National Integrated disease Surveillance Programme, Health information system, Epidemiology study and reports, Role of Community health nurse

UNIT - 2**40 Hrs.**

National Health and Family Welfare Programmes : Objectives, Organization /manpower/ resources, Activities, Goals, inter-sectoral approach, implementation, item/purpose, role and responsibilities of community health nurse: National Vector Borne Disease Control Programme (NVBDCP), National Filaria Control Programme, National Leprosy Eradication Programme, Revised national TB Control Programme, National Programme for Control of Blindness, National Iodine Deficiency disorders Control Programme, National Mental Health Programme, National AIDS Control Programme, National Cancer Control Programme, RCH I and II, Non- communicable disease programmes and NRHM, Health Schemes: ESI, CGHS and Health insurance.

UNIT - 3**15 Hrs.**

School Health: Introduction : definition, concepts, objectives, Health assessment, Screening, identification, referral and follow up, Safe environment, Services, programmes and plans- first aid, treatment of minor ailments, Inter-sectoral coordination, Adolescent health, Disaster, disaster preparedness, and management, Guidance and counseling, School health records - maintenance and its importance, Roles and responsibilities of community health nurse.

UNIT - 4**15 Hrs.**

International health :Global burden of disease, Global health rules to halt disease spread, Global health priorities and programs, International quarantine, Health tourism, International cooperation & assistance, international travel and trade, health & food legislation, laws and adulteration of food, Disaster management, Migration, International health agencies -World Health organizations, World health assembly, UNICEF, UNFPA, UNESCO, ILO, CARE, SIDA, US AID, DANIDA, DFID. Aus AID etc. International health issues and problems, International nursing practice standards, International health Vis-a Vis national health, International health days and their significance

UNIT - 5**15 Hrs.**

Education and administration : Quality assurance, Standards, Protocols, Policies and Procedures, Infection control; Standard safety measures, Nursing audit and Design of Sub-Centre/Primary Health Centre/Community health center, Staffing; Supervision and monitoring-Performance appraisal, Budgeting and Material management, Role and responsibilities of different categories of personnel in community health, Referral chain-community outreach services, Transportation, Public relations, Planning in-service

educational Programme and teaching, Training of various categories of health workers preparation of manuals.

UNIT - 6

10 Hrs.

Geriatric: Concept, trends, problems and issues. Aging process, and changes, Theories of ageing, Health problems and needs, Psycho-physiological stressors and disorders, Myths and facts of aging, Health assessment, Home for aged-various agencies, Rehabilitation of elderly, Care of elderly, Elderly abuse, Training and supervision of care givers, Government welfare measures, Programmes for elderly- Role of NGOs, Roles and responsibilities of Geriatric nurse in the community.

UNIT - 7

10 Hrs.

Rehabilitation: Introduction: Concepts, principles, trends, issues, Rehabilitation team, Models, Methods Community based rehabilitation, Ethical issues, Rehabilitation Council of India, Disability and rehabilitation- Use of various prosthetic devices, psychosocial rehabilitation, Rehabilitation of chronic diseases, Restorative rehabilitation and Vocational rehabilitation. Role of voluntary organizations, Guidance and counseling, Welfare measures, Role and responsibilities of community health nurse.

UNIT - 8

10 Hrs.

Community mental health: Magnitude, trends and issues, National Mental Health Program- Community mental health program, The Changing Focus of care and The Public Health Model. Case management- Collaborative care, crisis intervention, Welfare agencies and Population at Risk. The community as Client: Primary Prevention, Secondary prevention and Tertiary Prevention. Community based rehabilitation, Human rights of mentally ill, Substance use, mentally challenged groups and role of community health nurse.

UNIT - 9

15 Hrs.

Occupational health: Introduction: Trends, issues, Definition, Aims, Objectives and Workplace safety, Ergonomics and Ergonomic solutions. Occupational environment- Physical, social, Decision making and Critical thinking. Occupational hazards for different categories of people physical, chemical, biological, mechanical and Accidents. Occupational diseases and disorders. Measures for Health promotion of workers; Prevention and control of occupational diseases, disability limitations and rehabilitation. Women and occupational health. Occupational education and counseling. Violence at workplace: Child labour. Disaster preparedness and management. Legal issues: Legislation, Labour unions, ILO and WHO recommendations, Factories act, ESI act. Role of Community health nurse, Occupational health team.

TEXTBOOK:

1. Park. J.E. Textbook of Preventive & Social Medicine. 18th edition. Jabalpur: Banarasidas Bhanot; 2005.
2. Rao Kasturi Sundar. Introduction to Community Health Nursing. 3rd edition. Chennai: B.I. Publication; 2000.

3. Stanhope. Community Health Nursing. 1st edition. Philadelphia: Mosby; 2008.
4. Clement Stone, Susane. Comprehensive Community Health Nursing. 8th edition. New Delhi: B.I. Waverly; 1998.
5. Hatroberta. Introduction to Community based. 2nd edition. Philadelphia: Lippincott; 2001.

REFERENCE BOOKS:

1. Rao Sridhar. Principles of Community Medicine. 3rd edition. New Delhi: A.I.T.B.S; 2002.
2. Gupta. M.C. and Mahajan. Textbook of Preventive and Social Medicine. 3rd edition. New Delhi: Jaypee brothers; 2003.
3. Park. K. Essentials of Community Health Nursing. 3rd edition. Jadel: Banarasidas Bhanot; 2000.

PRACTICAL

**Total = 960 hours
1 Week = 30 hours**

S. No.	Dept. /Unit	No. of Week	Total Hours
1	Urban and Rural community	17	510 Hours
2	School Health	3	90 Hours
3	International health	2	60 Hours
4	Administration (SC/PHC/CHC)	2	60 Hours
5	Occupational health	2	60 Hours
6	Community Mental Health	2	60 Hours
7	Home for aged and Hospice	2	60 Hours
8	Rehabilitation	2	60 Hours
	Total	32 Weeks	960 Hours