



Course: M.Sc.Nursing

Year: 1

Course Outcome:

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

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

Teaching and Examination Scheme

Teaching Scheme					Examination Scheme					Total
Lecture Hrs/Year	Tutorial Hrs/	Lab Hrs/Year	Seminar Hrs/Week	Credit	Internal Marks			External Marks		
					T	CE	P	EXT TH	EXT PR	
150	-	150	-	-	25	-	50	75	50	200

SEE - Semester End Examination, T - Theory, P - Practical

Course Content

W - Weightage (%) , T - Teaching hours

Sr.	Topics	W	T
1	Unit 1- 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	7	10
2	Unit 2- 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)	10	20



3	<p>Unit 3- 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, multi media, video-tele conferencing etc</p>	7	10
4	<p>Unit 4 -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 disadvantages. Criterion and norm referenced evaluation,</p>	7	10
5	<p>Unit 5 -Standardized and non-standardized tests: Meaning, characteristics, objectivity, validity, reliability, usability, norms, construction of tests- Essay, short answer questions and multiple choice questions. Rating scales, checklist, OSCE/OSPE(Objective structured clinical/practical examination) Differential scales, 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</p>	8	12
6	<p>Unit 6- Administration, Scoring and Reporting : Administering a test; scoring, grading versus marks Objective tests, scoring essay test, methods of scoring, Item analysis.</p>	5	8
7	<p>Unit 7- Standardized Tools : Tests of intelligence aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities.</p>	8	12
8	<p>Unit 8 -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.</p>	3	5
9	<p>Unit 9- 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.</p>	8	12
10	<p>Unit 10 -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.</p>	7	10



11	Unit 11 -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.	5	8
12	Unit 12- 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.	7	10
13	Unit 13- 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	10	15
14	Unit 14 Management of nursing educational institutions Planning, organizing, staffing, budgeting, recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel,	5	10
15	Unit 15 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.	3	5
TOTAL		100	157
Reference Books			
1.	Comprehensive Textbook of Nursing Education (TextBook) By SODHI JASPREET KAUR JPB First, Pub. Year 2017		
2.	Nursing Education (TextBook) By Basavanthappa JPB second edition (2009), Pub. Year 2009		
3.	Nursing Education, (TextBook) By Neeraja, New Delhi, Jaypee Brother, 2004		
4.	Text Book of Nursing Education (TextBook) By Venkatesan Latha , Poonam Joshi Elsevier Health First, Pub. Year 2015		



Year: 1

Course: M.Sc.Nursing

Course Outcome:

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

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

Teaching Scheme					Examination Scheme					Total
Lecture Hrs/Year	Tutorial Hrs/	Lab Hrs/Year	Seminar Hrs/Week	Credit	Internal Marks			External Marks		
					T	CE	P	EXT TH	EXT PR	
150	-	200	-	-	25	-	-	75	-	100

SEE - Semester End Examination, T - Theory, P - Practical

Course Content		W - Weightage (%) , T - Teaching hours	
Sr.	Topics	W	T
1	Unit 1 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.	7	10
2	Unit 2 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 non- governmental agencies. Information, education and communication (IEC). Tele-medicine.	3	5



3	<p>Unit 3 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.</p>	7	10
4	<p>Unit 4 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</p>	7	10
	Role of nurse		
5	<p>Unit 5 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</p>	13	20
6	<p>Unit 6 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, Neuman’s, Roy’s, Watson parsce, etc and their applications, Health belief models, communication and management, etc Concept of Self health. Evidence based practice model.</p>	13	20
7	<p>Unit 7 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.</p>	7	10
8	<p>Unit 8 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.</p>	20	30



9	Unit 9 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.	7	10
10	Unit 10 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: softwares.	16	25
Total		100	150



Reference Books

1.	Textbook Of Advanced Nursing Practice (TextBook) By Navdeep Kaur Brar Jaypee Brothers Medical Publishers 1, Pub. Year 2014
2.	Nursing Theories: A Framework for Professional Practice (TextBook) By Kathleen Masters, RN, DNS Second, Pub. Year 2015



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Course Outcome:

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

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

Teaching and Examination Scheme

Teaching Scheme					Examination Scheme					Total
Lecture Hrs/Year	Tutorial Hrs/	Lab Hrs/Year	Seminar Hrs/Week	Credit	Internal Marks			External Marks		
					T	CE	P	EXT TH	EXT PR	
150	-	650	-	-	25	-	100	75	100	300

SEE - Semester End Examination, T - Theory, P - Practical

Course Content

W - Weightage (%), T - Teaching hours

Sr.	Topics	W	T
1	Unit 1 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.	7	10
2	Unit 2 Assessment of pediatric clients History taking Developmental assessment Physical assessment Nutritional assessment Family assessment	7	10
3	Unit 3 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	6	10



4	<p>Unit 4 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.</p>	10	15
5	<p>Unit 5 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.</p>	10	15
6	<p>Unit 6 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.</p>	10	15
7	<p>Unit 7 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, 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.</p>	10	15
8	<p>Unit 8 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 newborn- pre term and term neonate and growth retarded babies, Identification and classification of neonates with infections, HIV & AIDS, Ophthalmia neonatorum, congenital syphilis. High risk new born- Identification, classification and nursing management Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.</p>	20	30
9	<p>Unit 9 IMNCI (Integrated management of neonatal and childhood illnesses)</p>	20	30
	<p>Total</p>	100	150



Reference Books

1.	Marlow's Textbook of Pediatric Nursing(Adapted for South Asian Edition): Adaptation (TextBook) By Marlow , Kalia Elsevier Health 1, Pub. Year 2013
2.	Wong's Essentials of Pediatric Nursing (TextBook) By David Wilson , Cheryl C Rodgers , Marilyn J. Hockenberry Mosby 10, Pub. Year 2016
3.	Child Health Nursing:Nursing Process Approach (TextBook) By Padmaja A Jaypee Brothers Medical Publishers 1, Pub. Year 2015
4.	A Textbook of Child Health Nursing (TextBook) By Helen Mary Perdita Vikas Publishing House First edition, Pub. Year 2014
5.	Pediatric Nursing (As per INC Syllabus) (TextBook) By Parul Datta Jaypee Brothers Medical Publishers 4, Pub. Year 2018
6.	Essentials of Pediatric Nursing (TextBook) By Sharma Rimple Jaypee Brothers Medical Pub 2, Pub. Year 2017
7.	A Clinical Daily Diary Of Child Health Nursing (Pediatric Nursing)For Msc,Bsc,Pb Bsc & Gnm Nursing Students By Sudhakar A Jaypee Brothers Medical Publishers 1, Pub. Year 2016
8.	Essential Pediatrics for Nurses (TextBook) By Singh CBS 3, Pub. Year 2005



Course: M.Sc.Nursing

Year: 1

Course Outcome:

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

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

Teaching and Examination Scheme

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150	-	100	-	-	25	-	-	75	-	100

SEE - Semester End Examination, T - Theory, P - Practical

Course Content

W - Weightage (%) , T - Teaching hours

Sr.	Topics	W	T
1	Unit 1 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	10	10
2	Unit 2 Review of Literature Importance, purposes, sources, criteria for selection of resources and steps in reviewing literature.	5	5
3	Unit 3 Research Approaches and designs Type: Quantitative and Qualitative Historical, survey and experimental –Characteristics, types advantages and disadvantages Qualitative: Phenomenology, grounded theory, ethnography	12	12
4	Unit 4 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.	10	10
5	Unit 5 Developing theoretical/conceptual framework . Theories: Nature, characteristics, Purpose and uses Using, testing and developing conceptual framework, models and theories.	5	5



6	Unit 6 Sampling Population and sample Factors influencing sampling Sampling techniques Sample size Probability and sampling error Problems of sampling	6	6
7	Unit 7 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	20	20
8	Unit 8 Implementing research plan Pilot Study, review research plan (design)., planning for data collection, administration of tool/interventions, collection of data	5	5
9	Unit 9 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	10	10
10	Unit 10 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	10	10
11	Unit 11 Critical analysis of research reports and articles	3	3
12	Unit 12 Developing and presenting a research proposal	4	4
Total		100	100

Reference Books

1.	Nursing Research - Generating and Assessing Evidence for Nursing Practice (TextBook) By Polit Wolters Kluwer India Pvt. Ltd Tenth edition, Pub. Year 2016
2.	Nursing Research and Statistics (TextBook) By Sharma Elsevier Health 2nd, Pub. Year 2014