



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	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	7	10
4	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,	7	10
5	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	8	12
6	Unit 6- Administration, Scoring and Reporting : Administering a test; scoring, grading versus marks Objective tests, scoring essay test, methods of scoring, Item analysis.	5	8
7	Unit 7- Standardized Tools : Tests of intelligence aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities.	8	12
8	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.	3	5
9	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.	8	12
10	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.	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 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	-	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	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.	7	10
4	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	7	10
	Role of nurse		
5	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	13	20
6	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's, etc and their applications, Health belief models, communication and management, etc Concept of Self health. Evidence based practice model.	13	20
7	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.	7	10
8	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.	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 Navndeeep 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

**Course:** M.Sc.Nursing**Year:** 1**Course Outcome:**

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

1. Appreciate the trends in the field of midwifery, obstetrics and gynaecology as a speciality.
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 gynaecological 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 gynaecological nursing.
10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynaecological nursing.
11. Describe the recent advancement in contraceptive technology and birth control measures
12. Appreciate the legal and ethical issues pertaining to obstetric and gynaecological nursing

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 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 gynaecological nursing.	7	10
2	Unit 2 Human reproduction Review of anatomy and physiology of human reproductive system: male and female Hormonal cycles Embryology Genetics, teratology and counseling Clinical implications	10	15



3	Unit 3 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, cardiotomography, Non Stress Test(NST), Contraction stress test(CST), amniocopy, 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	17	25
4	Unit 4 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 anaesthesia 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 Fourth 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	17	25
5	Unit 5 Normal puerperium and nursing management Physiology of puerperium Physiology of lactation, lactation management, exclusive breast feeding ,Baby friendly hospital initiative(BFHI) Assessment of postnatal women . Minor discomforts and 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	13	20
6	Unit 6 Normal Newborn Physiology and characteristics of normal newborn Physical and Behavioural assessment of newborn Needs of newborn Essential newborn care: Exclusive breast feeding, Immunization, Hygiene measures, Newborn nutrition Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU Observation and care of newborn Parenting process	13	20



7	Unit 7 Pharmacodynamics in obstetrics Drugs used in pregnancy, labour, post partum and newborn Calculation of drug dose and administration Effects of drugs used Anaesthesia and analgesia in obstetrics Roles and responsibilities of midwifery nurse practitioner Standing orders and protocols and use of selected life saving drugs and interventions of obstetric emergencies approved by the MOHFW	7	10
8	Unit 8 Family welfare services Population dynamics Demography trends: vital statistics, calculation of indicators especially maternal and neonatal mortality rates and problems and other health problems Recent advancement in contraceptive technology Role of nurses in family welfare programmes in all settings Role of independent nurse midwifery practitioner Family life education Evidence based studies Information, Education and Communication(IEC) Management information and evaluation system(MIES) Teaching and supervision of health team members	7	10
9	Unit 9 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.	3	5
10	Unit 10 Menopause Physiological, psychological and social aspects Hormone Replacement Therapy Surgical menopause Counseling and guidance Role of midwifery nurse practitioner	3	5
11	Unit 11 Abortion Types, causes Legislations, Clinical rights and professional responsibility Abortion procedures Complications Nursing management Role of midwifery nurse practitioner	3	5
Total		100	150

Reference Books

1.	Dc Dutta'S Textbook Of Gynecology With Dvd-Rom (TextBook) By Konar Hiralal Jaypee Brothers Medical Publishers seventh edition, Pub. Year 2006
2.	Text Book of Obstetrics (TextBook) By D.C. Dutta New Central Book Agency 7th Revised edition edition, Pub. Year 2001



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

Teaching Scheme					Examination Scheme					Total
Lecture Hrs/Year	Tutorial Hrs/Week	Lab Hrs/Year	Seminar Hrs/Week	Credit	Internal Marks			External Marks		
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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