

KERALA UNIVERSITY OF HEALTH SCIENCES, THRISSUR



MASTER OF SCIENCE IN NURSING

Course CODE 271

MSc.Medical Surgical Nursing

Sub Specialty-Neuroscience Nursing

2016 Scheme

LOG BOOK

(Record of Theory and Practical assignments)

MASTER OF SCIENCE IN NURSING

MSc. Medical Surgical Nursing

AIM

Aim of the postgraduate programme in nursing is to prepare graduates to assume responsibilities as Clinical Nurse Specialists, Nurse Practitioners, Consultants, Educators, Researchers and Administrators in a wide variety of professional settings.

OBJECTIVES

On completion of the 2 year M.Sc Nursing programme, the graduates will be able to:-

1. Apply the concepts, theories and principles of nursing science.
2. Demonstrate competencies in nursing practice.
3. Practice as Clinical Nurse Specialist.
4. Establish collaborative relationship with the members of other disciplines.
5. Assume leadership in various care settings.
6. Participate in health planning, implementation and evaluation at different levels of health care system.
7. Function as effective nurse educators and nurse managers.
8. Conduct independent nursing research and utilize the research findings in nursing practice and education.
9. Critically evaluate various educational programmes in nursing.
10. Demonstrate interest and positive attitude in continuing education for personal and professional growth.
11. Demonstrate advanced skills and competence in the nursing management of patients with various medical and surgical conditions.
12. Incorporate evidence based nursing practice and identify the areas of research in the field of medical and surgical nursing.
13. Describe recent advancements in the field of medical and surgical nursing.
14. Explain the legal and ethical issues in caring patients with various medical and surgical conditions.
15. Function as medical surgical nurse specialist

CERTIFICATE

Certified that this is a bonafide record of practical work of Mr/Miss/Mrs.....in I year MSc nursing programme during the period from.....to..... and submitted towards the partial fulfilment of requirement for MSc nursing in Kerala University of Health Sciences, Thrissur, Kerala.

Name and signature of the Student:.....

Name and signature of the Coordinator:.....

Name and signature of the Principal:.....

College seal

CERTIFICATE

Certified that this is a bonafide record of practical work of Mr/Ms/
Mrs.....in II year MSc nursing
programme during the period from.....to..... and
submitted towards the partial fulfilment of requirement for MSc nursing in Kerala University
of Health Sciences, Thrissur, Kerala.

Name and signature of the Student.....:

Name and signature of the Co-ordinator:.....

Name and signature of the Principal:.....

College Seal

I YEAR

Date of Commencement:-

Date of Completion:-

Sl. No	Subject	Theory	Practical	Total
1.	Nursing Education	150	150	300
2.	Advanced Nursing Practice	150	500	650
3.	Nursing Research and Statistics	150	100	250
4.	Medical Surgical Nursing I	150	900	1050
	Total	600	1650	2250

Nursing Education

Signature:

External Examiner

Internal Examiner

Clinical Speciality I

Signature:

External Examiner

Internal Examiner

NURSING EDUCATION

Course Description

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

Objectives

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

1. Explain the aims of education, philosophies, trends in education and 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 programmes, 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 programme.
8. Critically analyze the existing teacher preparation programmes in nursing.
9. Demonstrate skill in guidance & counselling.
10. Describe the problems & 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 programmes.
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.

NURSING EDUCATION

ASSIGNMENTS – THEORY

Sl. No	Assignment	Conducted on	Supervisor
1.	Framing philosophy and objectives of nursing educational institution		
2.	Course Plan		
3.	Unit Plan		
4.	Lesson Plan		
5.	Rotation Plan (Master rotation, clinical rotation)		

Sl. No	Assignment	Conducted on	Supervisor
6.	Critique of nursing programmes		
7.	Preparation of evaluation tools		
8.	Seminars		
9.	Construction of Test		

Sl. No	Assignment	Conducted on	Supervisor
10	Annotated bibliography		
11	Project		
12	Others if any		

NURSING EDUCATION

ASSIGNMENTS-PRACTICAL

Sl. No	Assignment	Conducted on	Supervisor
1.	Micro Teaching		
2.	Practice Teaching(different teaching strategies)		
a	Lecture cum discussion		

Sl.no	Assignment	Conducted on	Supervisor
b.	Demonstration		
c.	Others		

Sl.no	Assignment	Conducted on	Supervisor
3	Organisation/attendance of workshop		
4	Preparation of learning resource material		
5	Other assignments		

NURSING RESEARCH

Course Description

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

Objectives

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

1. Recognize the significance of research in nursing and its importance in evidenced-based nursing practice.
2. Identify the steps of quantitative and qualitative research.
3. Discuss the ethical aspects of research.
4. Review literature utilizing various resources.
5. Identify researchable problems in nursing.
6. Demonstrate skill in planning and conducting research studies.
7. Communicate research findings.
8. Utilize research findings.
9. Critically evaluate research reports and articles.
10. Write scientific paper for publication.

NURSING RESEARCH

ASSIGNMENTS-THEORY

Sl.no	Assignment	Conducted on	Supervisor
1.	Seminars/Presentation		
2.	Annotated bibliography		
3.	Conferences/ Workshops attended if any:-		

NURSING RESEARCH

ASSIGNMENTS-PRACTICAL

Sl. No	Assignments	Conducted on	Supervisor
1	Review of literature on a selected Topic		
2	Formulation of research question/statement Objectives Hypotheses		
3	Conceptual framework/Theoretical framework		

Sl. No	Assignments	Conducted on	Supervisor
4	Critiquing of research report		
5	Development and presentation of research proposal		
6	Journal presentation – Research Articles		
7	Preparation of scientific paper		
8.	Others		

Name and Signature of the subject Co-ordinator :

STATISTICS

Course Description

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

Objectives

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

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

STATISTICS

ASSIGNMENTS

Sl. No	Assignments	Conducted on	Supervisor
1.	Calculation of mean, mode, median & standard deviation		
2.	Calculation of chi square, 't' test , ANOVA & correlation		
3.	Practice in using statistical package		

Name and Signature of the subject Co-ordinator :

ADVANCED NURSING PRACTICE

Course Description

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

Objectives

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

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

ADVANCED NURSING PRACTICE

ASSIGNMENTS-THEORY

Sl. No	Assignments	Conducted on	Supervisor
1.	Seminars/Presentations		
2.	Demonstrations		

ADVANCED NURSING PRACTICE-PRACTICAL

Clinical Objectives

On completion of the clinical posting in advanced nursing practice, the students will be able to:-

1. Perform health assessment and general physical examination.
2. Provide holistic and comprehensive care, following nursing process approach.
3. Apply nursing theories in providing holistic care to patients.
4. Demonstrate skill in using specialized equipments in the care to patients.
5. Develop and demonstrate managerial skill in rendering quality patient care.
6. Participate in the teaching-learning activities of nursing students.
7. Utilize opportunities effectively for personal and professional development.

ASSIGNMENTS-PRACTICAL

Sl. No	Assignments	Conducted on	Supervisor
1.	Case studies (Medical, Surgical)		
2.	Care analysis (Medical, Surgical)		
3.	Clinical presentations		
4.	Theory based care plan		

Sl. No	Assignments	Conducted on	Supervisor
5	Performance of advanced clinical Procedures (Refer Syllabus)		
6	Presentation of comparative pictures of theories		

Name and Signature of Subject Co-ordinator

CLINICAL SPECIALTY-I
MEDICAL SURGICAL NURSING-I

Course Description

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

Objectives-Theory

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

1. Appreciate the trends and 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. Integrate the concept of family centred nursing care with associated disorder such as genetic, congenital & long term illness.
5. Recognize and manage emergencies.
6. Describe various recent technologies& treatment modalities in the management of critically ill patients.
7. Appreciate the legal and ethical issues
8. Appreciate the role of alternative systems of medicine in care of patients.
9. Incorporate evidence based nursing practice and identifies the areas of research.

MEDICAL SURGICAL NURSING-I

ASSIGNMENTS-THEORY

Sl. No	Assignments	Conducted on	Supervisor
1.	Seminars/ Presentations		
2.	Term Paper		
3.	Theory Assignments		

Workshop/ Conferences attended if any:-

Clinical Objectives

1. Develop skill in performing assessment of patients with Medical-Surgical disorders.
2. Apply nursing process in providing care to patients.
3. Render comprehensive nursing care to the assigned patients applying appropriate nursing theories.
4. Demonstrate skill in using specialized equipments.
5. Identify the nurses' role in administration of the therapeutic agents.
6. Identify the variations in the manifestation and treatment modalities between patients with same medical diagnosis.
7. Critically analyze the adequacy and effectiveness of nursing care provided to the assigned patients.
8. Participate in the teaching learning activities of nursing students.

ASSIGNMENTS-PRACTICAL

Sl. No	Assignments	Conducted on	Supervisor
1	Clinical Profile		
2.	Care plan (nursing process & Theory based)		
3.	Care Analysis		

4	Care study		
5	Drug file		
6	Clinical presentation		
7	Clinical Teaching		

Name and Signature of the subject Co-ordinator:

Signature of the Examiner:

Internal Examiner:-

External Examiner

II YEAR

Date of Commencement

Date of completion

Sl. No	Subject	Theory	Practical	Total
1.	Management in Nursing	150	200	350
2.	Nursing Research (Dissertation)		300	300
3.	Clinical Specialty Nursing II- Medical Surgical Nursing II - Neuroscience Nursing	150	1450	1600
	Total	300	1950	2250

Dissertation viva

Signature:

External Examiner

Internal Examiner

Clinical Specialty-II

Signature:

External Examiner

Internal Examiner

MANAGEMENT IN NURSING

Course Description

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

Objectives

On completion of the course, students will be able to:-

1. Formulate the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing.
3. Discuss public administration, health care administration and 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. Discuss the planning, supervision and management of nursing work force for various health care settings.
7. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care.
8. Identify and analyze legal and ethical issues in nursing administration
9. Describe the process of quality assurance in nursing services.
10. Demonstrate leadership in nursing at various levels.
11. Organize staff development programme.

MANAGEMENT IN NURSING

ASSIGNMENTS-THEORY

Sl. No	Assignments	Conducted on	Supervisor
1.	Seminars/Presentations		
2.	Written Assignments a) Vision and mission of the hospital b) Philosophy and objectives of a hospital		

Sl. No	Assignments	Conducted on	Supervisor
	c) Job description-Nursing personnel		
	d) Development of protocols for various units		
	e)Performance appraisal format-Staff Nurses		

Conferences & Workshops attended if any:-

MANAGEMENT IN NURSING –PRACTICAL

Clinical Objectives

1. Prepare vision, mission statement of your institution
2. Draw the organization chart of your institution
3. Prepare duty roster for the unit.
4. Prepare performance appraisal format for staff nurse and Head nurse.
5. Draw the physical layout of the unit.
6. Prepare budget estimate of Nursing department of your hospital
7. Prepare job description for nursing personnel.
8. Calculate staff requirement for one year (INC).
9. Develop protocols for various wards.
10. Conduct nursing rounds and teach the students in the clinic.
11. Organize and conduct staff development programme& nursing care conference.
12. Develop leadership skills:
13. Demonstrate skill in problem solving.

ASSIGNMENTS –PRACTICAL

Sl. No	Assignments	Conducted on	Supervisor
1.	Nursing rounds		
2.	Clinical teaching of students		
3.	Staff development programme		
4.	Nursing care conference		
5.	Identification & solution of a problem in a nursing unit.		

6.	Budget Estimate Hospital		
7.	Organization chart-hospital		
8.	Staff requirement for hospital (Yearly)		
9.	Physical layout of specialty unit		
10.	Duty Roster of unit		

Name and Signature of the Subject Co-ordinator:

CLINICAL SPECIALTY-II
NEUROSCIENCES NURSING

Course Description

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

Objectives

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

1. Appreciate trends and issues related to Neurology and Neurosurgical Nursing.
2. Review the anatomy and physiology of Nervous system
3. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of patients with Neurological and Neurosurgical disorders
4. Perform Neurological assessment and assist in diagnostic procedures
5. Describe the concepts and principles of Neuroscience nursing
6. Describe the various drugs used in neurosciences and nurses responsibility
7. Assist in various therapeutic and surgical procedures in Neuroscience nursing.
8. Demonstrate advance skills/competence in managing patients with neurological and neurosurgical disorder following nursing process approach
9. Identify psychosocial problems of patients with disabilities and assist patients and their family to cope with emotional distress, spiritual, grief and anxiety

10. Participate in preventive, promotive and rehabilitative services for neurological and neurosurgical patients.
11. Explain the legal and ethical issues related to brain death, organ transplantation and practice of neuroscience nursing
12. Incorporate evidence based nursing practice and identify the areas of research in the field of neuroscience nursing
13. Organise and conduct inservice education program for nursing personnel.
14. Develop standards of care for quality assurance in neuroscience nursing practice
15. Identify the sources of stress and manage burnout syndrome among health care providers.
16. Teach and supervise nurses and allied health workers.
17. Plan and develop physical layout of neuro intensive care unit

ASSIGNMENTS –THEORY

Sl. No	Assignments	Conducted on	Supervisor
1.	Seminars/Presentations		
2.	Witten Assignments/ Group Work		
3.	Term paper		

Conferences & Workshops attended

NEURO SCIENCE NURSING -PRACTICAL

Objectives

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

1. Develop skill in performing assessment of patients with neurological disorders.
2. Render comprehensive nursing care to the patients applying appropriate framework.
3. Assist the patients to undergo various diagnostic procedures
4. Demonstrate skill in administering/assisting with various treatment modalities
5. Demonstrate skill in using specialised equipments.
6. Identify the variations in the manifestation and treatment modalities between patients with same diagnosis
7. Identify complications/emergencies and provide appropriate management
8. Critically analyse the effectiveness of nursing care provided to the Patients
9. Participate in the rehabilitation of patients with neurological disorders.
10. Participate in the teaching learning activities of nursing personnel
11. Utilize research findings in nursing practice

ASSIGNMENTS –PRACTICAL

Sl. No	Assignments	Conducted on	Supervisor
1.	Clinical profile		
2.	Care plan (Theory based)		
3.	Care analysis		

4	Care study		
5	Drug File		
6	Clinical teaching		
7	Design of Floor Plan		
8	Organization of in-service education		

9	Procedures performed/assisted/observed (refer syllabus)		
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Signature

Classcoordinator

External Examiner

Internal Examiner