



الجامعة الوطنية - السودان
National University - Sudan

Master of Obstetric and Gynecologic Nursing





Introduction

Master of Science in Obstetric and Gynecologic Nursing (M.Sc.)

There is strong need to prepare nurses to function as qualified Obstetrics and Gynecology nurses to meet the rapid change in the development of midwifery services, thus qualified Obstetrics and Gynecology nurses play an essential and vital role in the efficient care of women through pregnancy, labor and puerperium.

It has been observed that there is an acute shortage of in Obstetrics and Gynecology as well as midwifery faculties in Sudan and there is strong and criti-

cal need in these specialties. Therefore, this curriculum designed to meet the need and participate to improve mother and child health service. This curriculum builds upon extends competence skills required for qualified nurses, more over it is emphasizes application of relevant theories into nursing practice, education, administration and development of research skills.

General objective

The aim of this curriculum is to prepare graduates to assume responsibilities as specialists in Obstetrics and Gynecology nursing, as well as educators, researchers and administrators.

Specific objectives

On completion of this curriculum, the graduate will be able to:

- Identify the concepts, models and principles drawn from nursing and allied sciences in midwifery nursing.
- Apply the theories and principles drawn from nursing sciences in midwifery nursing.
- Demonstrate advance competencies in midwifery nursing practice.
- Demonstrate competence in conducting nursing research
- Demonstrate interest in continued learning for personal and professional advancement.
- Demonstrate ability to function effectively as nurse educator and manager.
- Use relevant data to inform decision making in nursing care services
- To demonstrate professional ethical behavior by consistently respecting patient confidentiality, providing compassionate care, and adhering to the code of ethics in all nursing practices.

Expected learning outcomes

Expecting learning Outcome:

By the end of the program the graduate will able to :

Cognitive (knowledge) domain:

- Discuss problem solving approach in performing nursing care for Obstetrics and Gynecology cases
- Describe the physiological changes that occur during normal pregnancy, labor and puerperium
- Identify common obstetrics and Gynecology disorders, their risk factors, clinical manifestations and nursing process.
- Describe the clinical assessment and nursing management strategies for obstetrics and Gynecology case.

Psychomotor (skills) domain:

- Work and collaborate with health team and provide guidance to improve health care delivery.
- Apply professional ethics and values for nursing in performing day to-day functions.
- Develop career through continuous gaining of new knowledge and skills.
- **Performing a comprehensive nursing process** accurately and efficiently for Obstetrics and Gynecology cases.
- Follow aseptic protocols and safety guidelines during giving care for obstetrics and gynecology cases such as early pregnancy termination or miscarriage management.
- **Assisting in obstetrics and Gynecology operative** procedures with appropriate positioning, utilization of instruments, and adherence to safety protocols
- Dedicated to integrating the ethics and values of the nursing profession in delivering high-quality nursing care tailored to the needs of clients across community, primary, secondary, and tertiary healthcare settings.

Affective (attitude) domain:

- Organize Obstetrics and Gynecology nursing care for special cases
- Commitment to ethics and the laws of the nursing profession in the provision of Obstetrics and Gynecology nursing care
- Demonstrate the awareness of a positive attitude towards research and understand the importance of evidence – based research in developing nursing profession.
- Cooperate, harmoniously with the health team members and relevant sectors, in order to improve health of women, families and the community

Admission Requirements

- Applicants must satisfy the Regulations of the Ministry of Higher Education and Scientific Research and the General Regulations of the Faculty of Graduate Studies and Scientific Research of the National University-Sudan for registration for Master Degrees
- Eligible candidates are holders of:
 - » B.Sc. (Honors) Nursing with grade Good (Second Class-Division Two) minimum or GPA ≥ 2.5
 - » B.Sc. (Honors) Nursing with grade Pass (Third Class) in addition to a qualifying of 12 credit hours
 - » B.Sc. (General) Nursing in addition to Postgraduate Diploma in Nursing

Award of the Master Degree in Nursing**Eligibility**

to be eligible for the award of Master Degree in Nursing, a student must have completed the specified duration of the program and fulfilled all the requirements established for each course within the respective program

Study program

Program Map

Semester One

Contact Hours/Week		Credit Hours	Arabic	Course
Practical	Theory			
-	2	2(2+0)	التفكير الناقد وحل المشكلات	NUR-611 Critical Thinking and Problem Solving
-	2	2(2+0)	علم الوبائيات	NUR-612 Epidemiology
-	2	2(2+0)	الإحصاء الصحي	NUR-613 Health statistics
6	2	4(2+2)	الحمل والمضاعفات	NUR-614 Pregnancy and Disorders
9	1	4(1+3)	الولادة الطبيعية	NUR-615 Normal Labor
15	9	14(7+5)		Total

Semester Two

Contact Hours/Week		Credit Hours	Arabic	Course
Practical	Theory			
-	2	2(2+0)	مناهج البحث العلمي	NUR-621 Research Methodology
2	1	2(1+1)	المعلوماتية في التمريض	NUR-622 Nursing Informatics
-	2	2 (2+0)	التمريض المبني علي الأدلة والبراهين	NUR-623 Evidence Based Nursing
-	2	2 (2+0)	تعليم المهنة الصحية	NUR-624 Health Profession Education
6		3 (1+2)	الولادة غير الطبيعية	NUR-625 Abnormal Labor
6	2	3 (1+2)	النفاس	NUR-626 Normal Puerperium
14	9	14(9+4)		Total

Semester Three

Contact Hours/Week		Credit Hours	Arabic	Course
Practical	Theory			
-	2	2 (2+0)	الإدارة والقيادة في التمريض	NUR -631 Management and Leadership
6	1	3 (1+2)	مضاعفات التفاس	NUR-632 Abnormal Puerperium
6	1	3 (1+2)	تمريض امراض النساء	NUR-633 Gynecology Nursing
-	6	6(6+0)	بحث التخرج	NUR-634 Dissertation
12	14	14(10+5)		Total

Courses Contents

NUR -611 Critical Thinking and Problem Solving

Definition of critical thinking, steps, elements, characteristics, importance, purpose, basic principles of Critical Thinking; Skills enhance ability of critical thinking to solve a problem; Types of thinking skills to solve the problem ;Techniques of critical thinking to solve the problem ;Clinical reasoning, methods and steps to improve critical thinking skills; Criteria of good critical thinking questions to solve the problem ;Evaluate Information ;Test critical thinking to solve a problem; Problem Solving and Implementation of critical thinking in nursing practice to solve the problem.

NUR-612 Epidemiology

Definition ,concepts, principles and types of epidemiology; Scope, epidemiological approach and methods; Morbidity and mortality; Concepts of causation of diseases and their screening; Measuring diseases and their distribution ; Standardization of measures of disease occurrence; Application of epidemiology in health care delivery, Health surveillance and health informatics and Role of nurse in screening.

NUR-613 Health Statistics

Describing numbers; Idea to improve the value of numbers ; Adapting the numbers; Using numbers to answer questions and Use of statistical methods in psychology and education:

NUR-614 Pregnancy& Disorders

Pregnancy; Pre Natal Care; Disorders of Pregnancy and their Nursing Management; Disease associated with Pregnancy and their Nursing Management; Pregnancy at Risk due Existing Health Problems and Nursing Management; Multiple pregnancy; Structural Abnormalities Affecting Pregnancy and Prolonged pregnancy.

Practical part: History taking, Examination for pregnant women, Antenatal assessment,

Assessment of blood glucose , urine examination using dipsticks and Assessment of risk status; Health education related to pregnancy and diseases condition; Assessment of intra uterine fetal wellbeing.; kick chart and fetal movement chart and CTG monitoring.

NUR-615 Normal Labor

Module 1: Normal labor, First stage of labor, stages of labor; Second stage of labor

Module 2: Preparation and conduction of delivery ; **Midwives' self-preparation and Mother's preparation.**

Practical: Practice nursing care during first stage of labor and Prepare and conduct delivery

Delivery and examination of placenta and Perform immediate postpartum care.

NUR-621 Research Methodology

Definition, characteristics, purposes, kinds of research ;Review of Literature;

Research problem; Sampling; Tools and methods of data collection; Implementing research plan

And Analysis and interpretation of data.

Practice: Developing and presenting research proposal.

NUR-622 Nursing Informatics

Module 1: Introduction to Informatics; Module 2: Electronic Records; Modules 3: Nursing Practice Applications; Modules 4 :Informatics in Nursing Education and Informatics in Health Care Research.

NUR-623 Evidence Based Nursing

Introduction to evidence based practice :Definition evidence-based practice (EBP) and steps of EBP; Asking the Clinical Question :Identifying the Problem and PICOT format.

Construct a PICOT format question; Components of an answerable and searchable question

Searching Evidence: Databases that guide healthcare literature, sources of internal and external evidence; Valuating the Evidence: Strength of evidence definition, Judgments of the quality and usefulness of evidence; Evaluating Outcomes; Define outcome management and evidence sources to measure outcomes.

NUR-624 Health Profession Education

Nursing Educational; Curriculum Development: Definition, design, Components, types, process and steps of curriculum development, Formulation of philosophy and objectives; Teacher preparation: Teacher roles and responsibilities, functions, characteristics, competencies, qualities, Preparation of professional teacher; Examinations design: Types of examination question: Good criteria and uses of various types of examination questions ; Multiple choice and Health Education: Aim, Definition, Importance of health education.

Barriers to effective health education and Modern strategies of implementing effective health education

NUR-625 Abnormal labor

Abnormal labor, obstetric emergencies and nursing management: Etiology, Pathophysiology and nursing management of Uncoordinated uterine actions, atony of uterus, precipitate labor, prolonged labor and preterm labor; Abnormal lie, presentation, position ; Contracted pelvis-CPD; dystocia; Obstetrical operation: Forceps delivery, Ventouse, Caesarian section ; Obstetrical emergencies: Obstetrical shock, vasa praevia, inversion of uterus, amniotic fluid embolism, rupture uterus, presentation and prolapsed cord; Augmentation of labor. Medical and surgical induction; Manual removal of placenta; Genital tract injuries-Third degree perineal tear ; Post partum Hemorrhage and Retained placenta.

Practice: Hospital practice in labor room

NUR-626 Normal Puerperium

Introduction; Normal puerperium: Definition , Involution of uterus , Physiological changes of postpartum period, Types of lochia, Post natal assessment and care, Post natal health education ; Newborn: Newborn examination and care , Minor disorders of newborn and **Neonatal Resuscitation.**

Practice: perform post natal care, Giving postpartum health education, skills in examination and care of newborns.

NUR-631 Management and Leadership

Introduction: Concept, aims, objectives, theories, and principles of management; Management theories; Management functions and attributes necessary for effective management and Principles and theories of management applied to nursing services and nursing education ; Roles and functions of nurse manager in planning; Roles and functions of nurse manager in organizing and Organizational behavior.

NUR-632 Abnormal Puerperium

Minor disorders of puerperium and their management: After pain, Burning on urination

Constipation, Breast engorgement ,Postpartum blues ; Abnormal puerperium, Puerperal

pyrexia, Local uterine infection, Breast infection, Venous thrombosis , Psychiatric disorders

and Postpartum hemorrhage.

Practice: post natal assessment, construct nursing process and perform post natal care

NUR-633 Gynecology Nursing

Physiology of menstruation: Menstrual abnormalities, Amenorrhea, Dysmenorrhea and Abnormal uterine Bleeding; Complication in early pregnancy: Miscarriage and abortion; Ectopic pregnancy , Molar pregnancy; Gynecological conditions, Infection of genital tract; Malignant Lesions of Vulva & Vagina, Malignant Lesions Cervix , Malignant Lesions Uterus Ovary, Adenomyosis & endometriosis, Genital Fistulae, Genital Prolepse, Menopause & HRT; Infertility, Pre & Post-operative nursing care in Gynecology; Endoscopy in gynecology, Hysteroscopy, laparoscopy , Hysterosalpingography (HSG), Diagnosis Pap Smear & Cervical Biopsy; Family planning: Definition of family planning, Aim and principles of family planning , Methods of family planning, Family planning counseling ; **Sexually Transmitted Infection:** Chlamydia, Gonorrhea, Syphilis, Human Papilloma virus (HPV), Herpes Simplex Virus (HSV), HIV/AIDS and Trichomoniasis.

NUR 634 Dissertation

Write a research proposal; Conduct research: Research methodology, Data collection and management, Interpretation of results, Prepare a dissertation document; Preliminaries: Title Page, Abstract, Acknowledgement; Introduction; Literature review and Results, Discussion; Conclusions and Recommendations; References and Appendices.

Available Human Resources

Teaching Staff:

- One Associate Professors
- Seven Assistant Professors
- Four Lecturers

Available Facilities

- One Lecture Room = 100 Seats
- One Lecture Room =80 Seats
- One Lecture Room = 120 Seats
- One Skills Lab = 120
- Two Computer laboratories = 240 Seats
- University Main Library = 400 Seats
- E- Library = 50 Seats

Teaching Methods

- Lectures
- Seminars
- Small Group Discussions
- Tutorials

Assignments

- Practical sessions

Teaching Language

- English

Assessment

- Continuous Assessment 40%
- Final Examination 60%:(40% Theory + 60 % OSCE)

Examinations Regulations: Procedures and Conditions

- Students must abide by Examinations Rules set by the Faculty Graduate Studies and Scientific Research of the National University-Sudan
- Student completed a course but was unable to sit for its examination for acceptable reason shall be allowed a substitute examination
- Medical reports are not accepted unless approved by the Medical and Health Services of El-Ragi Teaching Hospital
- The medical report should be submitted to the Programme Coordinator, within the seven days following the date of the examination
- Medical reports are not accepted if a student sat for the examination
- Student submitted a medical report is not allowed to sit for the examinations during the period covered by the medical report and if sat the results will be canceled
- The pass mark for any course is 60% and student must succeed in both theoretical and the practical components of each course separately

- A student missing an examination without acceptable reasons will be assigned failure in the concerned course (s)
- Student has the right to:
 - » Sit for supplementary examinations in no more than 1/3 of the number of courses
 - » Re-sit for the examination in all courses if failed in more than 1/3 to 1/2 of the number of courses
- Student failing in more than 50 % of the courses will be discontinued
- Student failing in more than 50 % of the courses of a semester will be discontinued
- Student failing in a supplementary examination of one or more courses in either of the semesters prior to the last one shall be discontinued
- Student failing in a supplementary examination of one or more courses in last semester be allowed extra chances to re-sit for examination within the double period allocated for the program.
- Supplementary examinations convene after the final examinations of each semester

Grading System

A+ (90-100) A (80-89) B+ (75-79) B (70-74) C+ (65-69) C (60-64) F (<60)

Award of the Degree

The Scientific Council of the National University-Sudan, based on the recommendation of the Board of the Faculty of Graduate Studies and Scientific Research, shall award the successful candidate:

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