



## **Course Curriculum for Master Degree in Nursing/ Maternal and Newborn Nursing**

The Master Degree in Nursing/Maternal and Newborn Nursing, is awarded by the Faculty of Graduate Studies at Jordan University of Science and Technology (JUST) upon the fulfillment of the following requirements:

1. Compliance with the J.U.S.T. Master Degree regulations approved by the Dean Council (No. 492/2006), dated 8/8/2006.
2. Successful completion of (34) credit hours in one of the following tracks:

### **First: Thesis Track**

#### **1. Compulsory Requirements: (15) credit hours as follows:**

<b>Course Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
NUR 701	Theoretical Foundation for Nursing	3
NUR 711	Advanced Health Assessment	3
NUR 740	Advanced Maternal and Newborn Nursing I (Theory)	3
NUR 741	Advanced Maternal and Newborn Nursing I (Clinical )	2
NUR 790	Research Methods in Nursing	3
NUR 793	Seminar	1

#### **2. Elective Requirements: (10) credit hours from the following\*:**

<b>Course Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
NUR 731	Nursing Administration and Health Policy	3
NUR 732	Planning and Evaluation of Health Programs	2
NUR 733	Reproductive Counseling	3
NUR 742	Women's Health	2
NUR 743	Advanced Maternal and Newborn II (Theory)	3
NUR 744	Advanced Maternal and Newborn Nursing II (Clinical )	2
NUR 768	Health Promotion and Education	3
NUR 781	Special Topics	3
NUR 782	Analytical Epidemiology and Biostatistics	3
NUR 789	Instructional Design	3
MED 733	Endocrinology and Reproduction	3
MED 751	Advance Clinical Pharmacology and Therapeutics	2

\* The student may study not more than 3 credit hours from courses of 700 or 800 level offered by other programs related to his field of study upon approval of the Dean of Graduate Studies based on the recommendation of the departmental graduate studies committee.

**3. Master Thesis (NUR 799): total of 9 credit hours as follows:**

Course Code	Course Name	Credit Hours
NUR 799 A	Master Thesis	9
NUR 799 B	Master Thesis	6
NUR 799 C	Master Thesis	3
NUR 799 D	Master Thesis	0

**Second: Non-Thesis Track**

**1. Compulsory Requirements: (23) credit hours**

Course Code	Course Name	Credit Hours
NUR 701	Theoretical Foundation for Nursing	3
NUR 711	Advanced Health Assessment	3
NUR 740	Advanced Maternal and Newborn Nursing I (Theory)	3
NUR 741	Advanced Maternal and Newborn Nursing I (Clinical)	2
NUR 743	Advanced Maternal and Newborn Nursing II (Theory )	3
NUR 744	Advanced Maternal and Newborn Nursing II (Clinical)	2
NUR 790	Research Methods in Nursing	3
NUR 791	Applied Clinical Project	3
NUR 793	Seminar	1

**2. Elective Requirements: (11) credit hours from the following\*:**

Course Code	Course Name	Credit Hours
NUR 731	Nursing Administration and Health Policy	3
NUR 732	Planning and Evaluation of Health Programs	2
NUR 733	Reproductive Counseling	3
NUR 742	Women's Health	2
NUR 768	Health Promotion and Education	3
NUR 781	Special Topics	3
NUR 782	Analytical Epidemiology and Biostatistics	3
NUR 789	Instructional Design	3
MED 733	Endocrinology and Reproduction	3
MED 751	Advance Clinical Pharmacology and Therapeutics	2

\* The student may study 6 credit hours from courses of 700 or 800 level offered by other programs related to his field of study upon approval of the Dean of Graduate Studies based on the recommendation of the departmental graduate studies committee.

**3. Passing the Comprehensive Exam (NUR 798): (Zero Credit Hour).**

## Course Descriptions

### **NUR 701 Theoretical Foundation for Nursing: (3 Credit Hours)**

This course is designed to help students develop analytical skills necessary to examine the bases for knowledge development as well as different concepts, frameworks, and theories relevant to nursing. Students analyze nursing frameworks and theories in relation to nursing practice, education, and research.

### **NUR 711 Advanced Health Assessment: (3 Credit Hours)**

This course is designed to help students develop a systematic approach in conducting a comprehensive health assessment of individuals. The course builds on previous assessment skills and knowledge with emphasis on advanced assessment, validation, interpretation, and documentation of assessment data. Theoretical knowledge and clinical skills are utilized in conducting a comprehensive physical examination. Critical thinking and clinical decision making are used to generate nursing diagnoses from data obtained from the health history, physical examination, and diagnostic procedures.

### **NUR 731 Nursing Administration and Health Policy: (3 Credit Hours)**

This course is designed to provide students with a unique blend of the nursing management skills needed to manage today's innovative health care delivery systems and the knowledge of legislative/political process necessary for analysis of health policies. This course explores many theories, concepts and strategic management interventions related to leadership and management in nursing and health care. It is structured to present theories/concepts and models that are needed to transform self into a real transformational leader and manage people and processes effectively. This course is intended to provide graduate nursing students with the theory, knowledge and application necessary to deal with management practice issues. Many concepts are presented that impact patient care, the nursing staff, and the organization on a daily basis. The focus is on delivery of high quality and cost-effective care in a fiscally constrained health care delivery system.

### **NUR 732 Planning and Evaluation of Health Programs: (2 Credit Hours)**

The course provides an introduction to the assessment, planning and evaluation of health care programs for specific populations. This course provides students with knowledge of planning principles, and tools needed by the nurse leaders in order to be able to plan health care programs for populations effectively and efficiently. This course will provide an opportunity for students to critically assess health needs and creatively design health strategies for different populations through review of recent literature, class discussion, and class assignments, students will become familiar with major issues, methods, and solutions of concern to health care planners. This course will introduce students to the concepts of health promotion and health education and different models guiding the development and implementation of health care programs.

### **NUR 733: Reproductive Counseling (3 Credit Hours)**

The purpose of this course is to link and integrate human behavior, principles of genetics, growth and developments, and their outcomes into the counseling process to prepare graduate nurses who are able to examine the challenges of the nurse counselor. The course content are organized toward utilizing and implementing the counseling skills and strategies with women and their families during the premarital and the reproductive periods including pre-marriage counseling, counseling for family planning, parenting, and counseling families with congenital, hereditary, or acquired anomalies, and other selected counseling related topics.

**NUR 740 Advanced Maternal and Newborn Nursing I (Theory): (3 Credit Hours)**

This course focuses on advanced theory and knowledge base related to maternal-newborn nursing practice. Normal physiological and developmental changes that occur during the antenatal, intranatal and postnatal periods will be discussed. Advanced concepts and roles of the clinical nurse specialist including practitioner, researcher, consultant, and educator pertaining to the holistic care of women, newborns and their families will be discussed .

**NUR 741 Advanced Maternal and Newborn Nursing I (Clinical): (2 Credit Hours)**

This course provides the opportunity to synthesize and apply clinical knowledge pertaining to advanced maternal and newborn nursing in the antenatal, intranatal and postnatal periods. Roles of the clinical nurse specialist including practitioner, researcher, consultant , and educator pertaining to the holistic care of women, newborns and their families will be emphasized.

**NUR 742 Women's Health: (2 Credit Hours)**

This course focuses on the developmental tasks, reproductive health concerns, age specific, health problems and family issues with an emphasis on nursing care of adolescent, young, middle age and aged women. The course also focuses on non-pregnant healthy women as well as health enhancement relevant to health promotion and prevention such as nutrition, exercise and sexuality

**NUR 743 Advanced Maternal and Newborn Nursing II (Theory): (3 Credit Hours)**

This course focuses on advanced theory and knowledge base related to maternal-newborn nursing practice. High-risk antenatal, intranatal and postnatal periods will be discussed. Advanced concepts and roles of the clinical nurse specialist including practitioner, researcher, consultant, and educator pertaining to holistic care of high-risk women, newborns and their families will be discussed .

**NUR 744 Advanced Maternal and Newborn Nursing II (Clinical): (2 Credit Hours)**

This course provides the opportunity to synthesize and apply clinical knowledge pertaining to advanced maternal and newborn nursing for high-risk clients in the antenatal, intranatal and postnatal periods. Roles of the clinical nurse specialist including practitioner, researcher, consultant , and educator will be emphasized. Issues such as genetic counseling and ethical and legal issues will be addressed.

**NUR 768 Health Promotion and Education: (3 Credit Hours)**

In this course, students will examine the theoretical and empirical bases for health promotion, risk reduction assessment and intervention in community health care. Health objectives for the nation, will provide the organizational framework for the consideration of health behaviors. Health promotion and risk reduction will be examined within an ecological perspective, including critical social, political, cultural and economic environments. Students will examine issues that impact the health of individuals, families, aggregates, and communities.

**NUR 781 Special Topics: (3 Credit Hours)**

Identified nursing critical and current issues are discussed utilizing the latest literature and appropriate instructions relevant to such issues.

**NUR 782 Analytical Epidemiology and Biostatistics: (3 Credit Hours)**

This course is a combined course of epidemiology and biostatistics. It is designed for master students to learn the fundamental statistical and epidemiological concepts related to the practice of public health, with review of descriptive and analytical statistical methods as well as the basic epidemiological analytical techniques.

**NUR 789 Instructional Design: (3 Credit Hours)**

The purpose of this course is to introduce graduate student nurse to the systematic design of instruction and prepare nurse educators. This course will provide the opportunity to explore, describe instructional design theories. Emphasis will be placed on the process of instructional design process which include analysis of need assessment, construction of objectives, selecting instructional strategies, designing lessons, and conducting formative and summative evaluations.

**NUR 790 Research Methods in Nursing: (3 Credit Hours)**

This course provides students with knowledge and skills required by the beginning nurse researcher. Selected qualitative and quantitative methodologies are explored. Students examine the appropriateness of each method for different research questions. Emphasis is placed on research critique for the purpose of clinical application.

**NUR 791 Applied Clinical Project: (3 Credit Hours)**

This course provides an introduction to practical utilization of nursing research, identification and analysis of relevant research literature, and critical review of evidence-based literature. The clinical project provides the student with the opportunity to pursue an innovative idea of interest and analyze the research findings related to this idea. In collaboration with a faculty member the student is responsible for the formulation of project objective, determining approaches to be taking in timeframe for completion of the clinical project. The faculty advisor serves as guide, resource and reviewer of the project during all its stages. Students are expected to perform at a high standard utilizing their individuality, creativity, and innovation.

**NUR 793 Seminar: (1 Credit Hour)**

The seminar allows students to analyze and present current topics related to the students area of specialization, and /or current issues related to nursing practice and development.

**NUR 798 Comprehensive Exam: (Zero Credit Hour)**

In this course the student will set for an exam that includes all topics addressed throughout his academic program either from inside faculty of nursing or outside faculty of nursing. Comprehensive exam will be held inside school of nursing under the supervision of specialized faculty members.

**NUR 799: Master Thesis (9 Credit Hours)**

Individual research under the direction of a faculty member (s) and committee leading to preparation, completion, and oral defense of a thesis.

**Jordan University of Science and Technology**  
**Faculty of Graduate Studies**

**Master Degree in Nursing/Maternal and Newborn Nursing**  
**Study Plan (Thesis Track)**  
**34 Credit Hours**

**First Year:**

<b>First Semester</b>			<b>Second Semester</b>			
Course Code	Course Name	Credit. Hours	Course Code	Course Name	Credit. Hours	<b>Total</b>
NUR 701	Theoretical Foundations for Nursing	3	NUR 740	Advanced Maternal & Newborn Nursing I (Theory)	3	
NUR 711	Advanced Health Assessment	3	NUR 741	Advanced Maternal & Newborn Nursing I (Clinical)	2	
NUR 790	Research Methods in Nursing	3	MED 733	Endocrinology & Reproduction	3	
<b>Total</b>		<b>9</b>			<b>8</b>	<b>17</b>

**Second Year:**

<b>First Semester</b>			<b>Second Semester</b>			
Course Code	Course Name	Credit. Hours	Course Code	Course Name	Credit. Hours	<b>Total</b>
NUR 743	Advanced Maternal & Newborn Nursing II (Theory)	3	NUR 799B	Master Thesis	6	
NUR 744	Advanced Maternal & Newborn Nursing II (Clinical)	2	NUR 799C	Master Thesis	3	
NUR 793	Seminar	1				
NUR ....	Elective	2				
<b>Total</b>		<b>8</b>			<b>9</b>	<b>17</b>

Note:

Students in Thesis Track should:

- Register the following courses:

**NUR 743 Advanced Maternal New Nursing II (Theory)**

**NUR 744 Advanced Maternal New Nursing II (Clinical)**

**MED 733 Endocrinology and Reproduction**

**Although these courses are included in the Elective Courses**

**Jordan University of Science and Technology**  
**Faculty of Graduate Studies**  
**Master Degree in Nursing/Maternal and Newborn Nursing**

**Study Plan (Non-Thesis Track)**  
**34 Credit Hours**

**First Year:**

<b>First Semester</b>			<b>Second Semester</b>		
Course Code	Course Name	Credit. Hours	Course Code	Course Name	Credit. Hours
NUR 701	Theoretical Foundations for Nursing	3	NUR 740	Advanced Maternal & Newborn Nursing I (Theory)	3
NUR 711	Advanced Health Assessment	3	NUR 741	Advanced Maternal & Newborn Nursing I (Clinical)	2
NUR 790	Research Methods in Nursing	3	MED 733	Endocrinology & Reproduction	3
<b>Total</b>		<b>9</b>	<b>Total</b>		<b>8</b>
					<b>17</b>

**Second Year:**

<b>First Semester</b>			<b>Second Semester</b>		
Course Code	Course Name	Credit. Hours	Course Code	Course Name	Credit. Hours
NUR 743	Advanced Maternal & Newborn Nursing II (Theory)	3	NUR 791	Applied Clinical Project	3
NUR 744	Advanced Maternal & Newborn Nursing II (Clinical)	2	NUR 793	Seminar	1
NUR ....	Elective	3	NUR ....	Elective	2
			NUR ....	Elective	3
<b>Total</b>		<b>8</b>	<b>Total</b>		<b>9</b>
					<b>17</b>

**Note:**

Students in Non-Thesis Track should:

- Register MED 733: Endocrinology and Reproduction (Although it is one of the Elective Courses)
- Pass the Comprehensive Exam (NUR 798)