



Course Curriculum for Master Degree in Nursing/Adult Acute Care Nursing

The Master Degree in Nursing/Adult Acute Care 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:

Course Code	Course Name	Credit Hours
NUR 701	Theoretical Foundation for Nursing	3
NUR 711	Advanced Health Assessment	3
NUR 712	Adult Acute Care I (Theory)	3
NUR 714	Adult Acute Care I (Clinical)	2
NUR 790	Research Methods in Nursing	3
NUR 793	Seminar	1

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

Course Code	Course Name	Credit Hours
NUR 709	Principles of Adaptation to Acute Illness	3
NUR 715	Adult Acute Care II (Theory)	3
NUR 717	Adult Acute Care II (Clinical)	2
NUR 731	Nursing Administration and Health Policy	3
NUR 732	Planning and Evaluation of Health programs	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 731	Pathophysiology	3
MED 751	Clinical Pharmacology and Therapeutics	2

* The student may study not more 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 follow

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 712	Adult Acute Care I (Theory)	3
NUR 714	Adult Acute Care I (Clinical)	2
NUR 715	Adult Acute Care II (Theory)	3
NUR 717	Adult Acute Care 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 709	Principles of Adaptation to Acute illness	3
NUR 731	Nursing Administration and Health Policy	3
NUR 732	Planning and Evaluation of Health programs	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 731	Pathophysiology	3
MED 751	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 709 Principles of Adaptation to Acute Illness: (3 Credit Hours)

This course addresses the transition of acutely ill client to the community, with special focus on major issues and concerns that contribute to adaptation. Students examine theoretical models that explain the process of adaptation. Emphasis is placed on research based interventions that promote health adaptation and safe transition to community.

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 712 Adult Acute Care I (Theory): (3 Credit Hours)

This course addresses common human responses that acutely ill adult clients may experience within the context of family and culture. Students use a holistic approach to provide nursing care directed to these responses and associated physiological, psychological, and spiritual phenomena. This course emphasizes the assessment, diagnosis, and planning phases of the nursing process. (Upon Faculty Decision)

NUR 714 Adult Acute Care I (Clinical): (2 Credit Hours)

This course focuses on issues relevant to advanced nursing practice in providing care for acutely ill adult clients and their families. Students perform advanced health assessment skills, data analysis, formulation of nursing diagnoses, and planning of nursing management strategies. Emphasis is placed upon student use of nursing theoretical knowledge and research in implementing the Clinical Nurse Specialist roles (clinician, educator, researcher, and consultant) to improve the quality of nursing care in acute health care settings. (Concurrent with NUR 712)

NUR 715 Adult Acute Care II (Theory): (3 Credit Hours)

This course is a continuation of Acute Care Nursing I. It emphasizes the implementation and evaluation phases of the nursing process. Students further develop planning and research based nursing management strategies in collaboration with clients and their families. Students become more systematic in evaluating the effectiveness of nursing interventions and formulate questions that serve as a basis for future research studies. (Upon Faculty Decision)

NUR 717 Adult Acute Care II (Clinical): (2 Credit Hours)

This course focuses on critical analysis and utilization of nursing research and theories in providing advanced nursing care for acutely ill adult clients and their families. Students

originate nursing intervention strategies in partnership with clients and their families. Interventions are based upon consideration of relevant research and theory. The processes of research critique and theory evaluation are used to provide theory and evidence-based nursing care for clients and families experiencing selected acute health disruptions. (Upon Faculty Decision)

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 process 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 fiscally constrained health care delivery system. The course also includes a study of local health policies that affect the health of population. Regulatory and legislative issues related to nursing are also emphasized the role of nurses in the legislative/political process will be examined.

NUR 732 Planning and Evaluation of Health programs: (2 Credit Hours)

This course provides an introduction to the assessment and planning of health care programs for specific population. 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. This course will provide opportunity for students to critically assess health needs and creatively design health strategies for varying populations of clients through review of recent literature, class discussion, and project assessments, students will become familiar with major issues, methods, and solutions of concern to health care planners.

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)

An 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 opportunity to pursue an innovative idea of interest and analyze research findings related to this idea. In collaboration with faculty member the student is responsible for the formulation of project objectives, determining approaches to be taking in time frame for completion of the clinical project. The faculty advisor serves as a 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: (0 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/Adult Acute Care Nursing
Study Plan (Thesis Track)
34 Credit Hours

First Year:

First Semester			Second Semester			Total
Course Code	Course Name	Credit. Hours	Course Code	Course Name	Credit. Hours	
NUR 701	Theoretical Foundation for Nursing	3	NUR 712	Adult Acute Care I (Theory)	3	
NUR 711	Advanced Health Assessment	3	NUR 714	Adult Acute Care I (Clinical)	2	
NUR 790	Research Methods in Nursing	3	MED 731	Pathophysiology	3	
Total		9			8	17

Second Year:

First Semester			Second Semester			Total
Course Code	Course Name	Credit. Hours	Course Code	Course Name	Credit. Hours	
NUR 715	Adult Acute Care II (Theory)	3	NUR 799B	Master Thesis	6	
NUR 717	Adult Acute Care II (Clinical)	2	NUR 799C	Master Thesis	3	
NUR 793	Seminar	1				
MED 751	Clinical Pharmacology & Therapeutics	2				
Total		8			9	17

Note:

Students in Thesis Track should:

- Register the following courses:
NUR 715 Adult Acute Care II (Theory)
NUR 717 Adult Acute Care II (Clinical)
MED 731 Pathophysiology
MED 751 Clinical Pharmacology and Therapeutics

Although these courses are included in the Elective Courses

Jordan University of Science and Technology
Faculty of Graduate Studies

Master Degree in Nursing/Adult Acute Care Nursing
Study Plan (Non-Thesis Track)
34 Credit Hours

First Year:

First Semester			Second Semester			
Course Code	Course Name	Credit. Hours	Course Code	Course Name	Credit. Hours	
NUR 701	Theoretical Foundations for Nursing	3	NUR 712	Adult Acute Care I (Theory)	3	
NUR 711	Advanced Health Assessment	3	NUR 714	Adult Acute Care I (Clinical)	2	
NUR 790	Research Methods in Nursing	3	MED 731	Pathophysiology	3	
Total		9	Total		8	17

Second Year:

First Semester			Second Semester			
Course Code	Course Name	Credit. Hours	Course Code	Course Name	Credit. Hours	
NUR 715	Adult Acute Care II (Theory)	3	NUR 791	Applied Clinical Project	3	
NUR 717	Adult Acute Care II (Clinical)	2	NUR 793	Seminar	1	
MED 751	Clinical Pharmacology & Therapeutics	2	NUR ---	Elective	3	
			NUR ---	Elective	3	
Total		7	Total		10	17

Note:

Students in Non-Thesis Track should:

- **Register the following courses:**
- **MED 731** Pathophysiology
- **MED 751** Clinical Pharmacology & Therapeutics
(Although these courses are included in the Elective Courses)
- **Pass the Comprehensive Exam (NUR 798)**