

# NURSING

## NURS 501: 3 s.h.

### **Role Development and Theoretical Foundations of Advanced Practice**

Serves as the introductory course for the Master's of Science in Nursing degree. It is designed to provide a foundation to advance practice nursing. In this course, students will explore nursing concepts and theory. Emphasis is placed on bridging the theory-practice gap. Students will apply this theoretical basis in exploring advanced practice role development. Advanced practice core competencies will be introduced and analyzed.

## NURS 502: 3 s.h.

### **Research and Evidence-Based Practice Methodology**

Advanced research in nursing builds on previous knowledge of research and statistics to develop an evidenced-based approach to practice. The learner will analyze methods and techniques of research and interpret their usefulness for application in practice. Theory and practice will be used in defining nursing problems and in development of a literature review. 3 hrs. theory. Prereq/Coreq: NURS 501

## NURS 503: 3 s.h.

### **Issues and Roles in Advanced Nursing Practice**

In-depth study of the issues of advanced nursing practice, focusing on the historical, social and political forces which impact advanced nursing practice. Advanced practice roles in nursing are explored and analyzed. 3 hrs. theory. Offered in fall.

## NURS 504: 3 s.h.

### **Technology, Informatics & Professional Nursing Practice**

Discussion of the ways in which information and technology influence practice and decision making in various aspects of nursing practice, such as clinical, education, leadership and research, is the major focus of the course. Advances in technology that support and enhance the delivery of care and interdisciplinary communication are addressed. The legal, ethical, cultural, economic and social factors affecting healthcare information technology are also explored.

## NURS 506: 3 s.h.

### **Sustainable Health**

Discussion of advanced concepts regarding environmental health and evidence-based nursing in the context of sustainable development and global well-being. Using the 17 UN Sustainable Development Goals as a comprehensive framework for understanding health, the environment, and human interaction, as well as how to promote public, international, and planetary health including multinational, interdisciplinary systems supporting all of humanity. Explores and underscores the important role nurses fulfill in promoting local and global health within the framework of sustainability.

## NURS 508: 4 s.h.

### **Advanced Clinical Knowledge**

Builds upon previous knowledge in physical assessment, pathophysiology, and pharmacology. Using a systems approach, examines principles of select well and disease states. Provides the opportunity to assess, analyze, and explore the findings, treatment, and evaluation of common health issues. Analyzes the relationships between assessment findings, physiologic changes, and pharmaceutical treatments.

## NURS 511: 3 s.h.

### **Pathophysiology for Advanced Practice**

Advanced physiology and pathophysiology at the cellular, organic and systemic level. Interdependence of organ systems in health and disease is emphasized as a basis for clinical assessment and management. 3 hrs. theory. Offered in spring.

## NURS 512: 3 s.h.

### **Health Assessment and Diagnostics Evaluation for Advanced Practice**

Clinical course. Provides framework for diagnosis and clinical decision making for the advanced practice nurse. Assessment skills and procedures for individuals across the life cycle will be developed. Information gathered in the assessment process will provide a basis for the evaluation of the health status of individuals. An analysis of an individual's response to wellness and illness will include examination of concepts of cultural influences, health-seeking behaviors, and stress and adaptation. 2 hrs. theory, 3 hrs. lab. Prereq: NURS 501, 502, 503 and 511. Offered in fall.

## NURS 513: 3 s.h.

### **Pharmacology & Alternative Therapeutics in Nursing Practice**

Principles of pharmacology applied to the therapeutic management of the individual and the family across the life cycle. Emphasis on prescribing and monitoring pharmacology and alternative therapeutic regimens. Adverse drug reactions and multiple drug interactions are included. 3 hrs. theory. Prereq: NURS 501, 502, 503 and 511. Offered in fall.

## NURS 521: 7 s.h.

### **Clinical Management of the Young Family**

This course provides the family nurse practitioner student with the necessary knowledge and clinical experience to assist young families with health promotion and chronic and acute health problems. The biophysical, cognitive and psychosocial development of members of the young family is explored. A focus on women's health issues is incorporated in the course content. The role of the family nurse practitioner in caring for the young family is identified. 3 hrs. theory, plus clinical component. Prereq: NURS 501, 503, 511, 512, 513.

## NURS 522: 7 s.h.

### **Clinical Management of the Mature Aging Family**

This course provides the family nurse practitioner with the necessary knowledge and clinical experience to assist mature and aging families with health promotion and chronic and acute health problems. The biophysical, cognitive and psychosocial development of members of mature and aging families is explored. A focus on women's health issues is incorporated in the course content. The role of the family nurse practitioner in caring for mature and aging families is identified. 3 hrs. theory, plus clinical component. Prereq: NURS 521.

## NURS 523: 5 s.h.

### **Family Nurse Practitioner Internship**

This course provides an opportunity to integrate theory and practice through an intensive internship experience. Focus is on the domains and competencies of the nurse practitioner as direct provider of primary healthcare. Biweekly seminars will be conducted to discuss current topics. The student will be guided in the practicum by nurse practitioner and physician preceptors in a variety of settings. 1 hr. theory, plus clinical component. Prereq: NURS 521 and 522.

**NURS 531: 3 s.h.****Clinical Management of the Pediatric Population**

This course provides the family nurse practitioner student with the necessary knowledge and clinical experience to assist young families and pediatric patients. Assessment, diagnostic reasoning and care management plans are foundational in guiding health promotion and prevention, but also caring for both chronic and acute health problems. The biophysical, cognitive, and psychosocial development of members of the young family is explored. The role of the family nurse practitioner in caring for the young family is identified. Prereq: NURS 501, 503, 511, 512, and 513

**NURS 532: 3 s.h.****Clinical Management of the Female Patient**

Course Description: This course provides the family nurse practitioner student with the necessary knowledge and clinical experience to assist the female patient with health promotion, chronic conditions, and acute health problems. The unique biophysical, cognitive, and psychosocial needs of women are explored. The role of the family nurse practitioner in caring for women is identified. Prereqs: NURS 501, 503, 511, 512, and 513.

**NURS 533: 4 s.h.****Clinical Management of the Adult Population**

Provides the family nurse practitioner student with the necessary knowledge and clinical experience to assist adults with health promotion and chronic and acute health problems. The unique biophysical, cognitive, and psychosocial needs of adults are explored. The role of the family nurse practitioner in caring for adults is identified. Prereqs: NURS 501, 503, 511, 512 and 513.

**NURS 534: 3 s.h.****Clinical Management of the Geriatric Population**

Provides the family nurse practitioner student with the necessary knowledge and clinical experience to assist the geriatric client with health promotion and chronic and acute health problems. The unique biophysical, cognitive, and psychosocial needs of the geriatric population are explored. The role of the family nurse practitioner in caring for the geriatric population is identified. Prereq: NURS 501, 503, 511, 512, and 513

**NURS 535: 3 s.h.****Clinical Management of Vulnerable Populations**

Provides the family nurse practitioner student with the necessary knowledge and clinical experience to assist vulnerable populations with health promotion and chronic and acute health problems. The unique biophysical, cognitive, and psychosocial needs of various unique populations are explored. A special focus on population level health is included. Prereqs: NURS 511, 512, 513, 531, 532, 533, and 534.

**NURS 536: 3 s.h.****Transition to APRN Practice**

This course provides an opportunity to integrate theory and practice through an intensive internship experience. Focus is on the domains and competencies of the nurse practitioner as direct provider of primary health care. Weekly seminars will be conducted to discuss current topics. The students will be guided in the practicum by nurse practitioner and physician preceptors in a variety of clinical settings. Prereqs: NURS 501, 503, 511, 512, 513, 531, 532, 533, and 534.

**NURS 550: 3 s.h.****School Nursing and Diverse Learners**

Focus on the specialty practice area of school nursing, examining the role of the school nurse with emphasis on the special health needs of children in the school setting. Management and evaluation of the special health care needs of diverse learners are discussed with an understanding of the need for outcome criteria. Emphasis is placed on identifying accommodations and adaptations for diverse learners. An overview of common physiological and psychological diagnoses of the school age population are discussed as well as the legal responsibilities of the school nurse when caring for this diverse population.

**NURS 560: 5 s.h.****School Nursing Clinical Practicum**

Focus on the specialty practice area of school nursing. Laws pertaining to school nursing practice and legal considerations for school nurses are explored. Individualized health plans that address the special health needs of children in the school setting are developed. Management and evaluation of the comprehensive school health program are discussed with an understanding for the need of outcome criteria. Clinical experiences provide the student an opportunity to apply concepts learned in the various school nursing program courses in school health settings at both elementary and secondary levels. Prereq: Undergraduate: faculty permission; Graduate: Baccalaureate degree

**NURS 579: 1-4 s.h.****Experimental Course**

Experimental Course Number for Nursing

**NURS 586: 1-3 s.h.****Topics in Nursing**

In-depth investigation and development of one or more topics of current interest in nursing that are not normally covered in regular courses. Topics/methods will vary according to the needs of students and faculty.

**NURS 587: 1-3 s.h.****Topics in Nursing**

In-depth investigation and development of one or more topics of current interest in nursing that are not normally covered in regular courses. Topics/methods will vary according to the needs of students and faculty.

**NURS 588: 1-3 s.h.****Topics in Nursing**

In-depth investigation and development of one or more topics of current interest in nursing that are not normally covered in regular courses. Topics/methods will vary according to the needs of students and faculty.

**NURS 610: 3 s.h.****School Nursing: Grades PK-4 Practicum**

In this course, the focus is on the role of the school nurse in caring for students in grades PK-4. There is an emphasis on the nursing process as it is applied to the school age population while considering acute, chronic, and episodic illness and the overall healthcare needs of the PK-4 grade school population including those with special health needs, disabilities, diverse cultures, and English Language Learners. The physical, emotional, psychosocial, and developmental needs of the PK-4 grade population are explored. Interprofessional collaboration within the school nurse role in the elementary school setting is examined. This course provides 50 of the required 100 hours of practicum experience focusing on the PK-4 grade population under the guidance of a certified school nurse. Prereq: Current unencumbered RN License

**NURS 611: 3 s.h.****School Nursing: Grades 5-12 Practicum**

In this course, the focus is on the role of the school nurse in caring for students in grades 5-12. There is an emphasis on the nursing process as it is applied to the school age population while considering acute, chronic, and episodic illness and the overall healthcare needs of the 5-12 grade school population including those with special health needs, disabilities, diverse cultures, and English Language Learners. The physical, emotional, psychosocial, and developmental needs of the 5-12 grade age population are explored. Interprofessional collaboration within the school nurse role in the middle and high school setting is examined. This course provides 50 of the required 100 hours of practicum experience focusing on the 5-12 grade population under the guidance of a certified school nurse. Prereq: Current unencumbered RN License

**NURS 612: 3 s.h.****School Nursing: Health Promotion and Disease Prevention**

This course focuses on the school nurse's role in promotion of health in individuals and the school community with an emphasis on vulnerable populations. The integration of evidence-based practice and epidemiological approaches to promote consistent and equitable care for individuals and diverse populations in school communities is explored.

**NURS 613: 3 s.h.****School Nursing: Considerations for the Needs of Diverse Learners and English Language Learners**

This course focuses on the legal mandates of school nursing and how these laws affect the certified school nurse. There is an emphasis on the special health needs of children in the school setting and the nurse's role in identifying health and health education related accommodations and adaptations for diverse learners in order to support student health and promote optimal learning.

**NURS 630: 3 s.h.****Effective Teaching: Theories and Methods in Nurse Ed**

Educational theories and methods are explored in this course. The advantages and challenges of technology-based teaching and learning are presented. Past and future trends in education are discussed. Theory and research findings about the learning process, the nature of the learner and the goals of instruction are discussed.

**NURS 631: 3 s.h.****Measurement and Evaluation in Nurse Education**

This course introduces the student to the concepts of measurement and evaluation. Techniques in designing instructional objectives and test items are developed. Grading methods and test analysis are explored. The purpose of program evaluation is emphasized.

**NURS 632: 3 s.h.****Nursing Curriculum and Program Design**

This course focuses on curriculum foundations, principles and issues. Through investigation and discussion, students learn about curriculum threads and designing effective programs. The importance of organizational mission and priority in relation to program development is emphasized.

**NURS 633: 3 s.h.****Nursing Education Practicum I**

This course provides an opportunity to integrate theory and practice through a practicum experience in nursing academic education. Focus is on the role of the nurse educator and the learning environment. Seminars will be conducted to discuss current topics related to nursing academic education. The students will be guided in the practicum by preceptors who are nurse educators in academia. (Prereq: N630; N631, N632)

**NURS 634: 3 s.h.****Nursing Education Practicum II**

This course provides an opportunity to integrate theory and practice through a practicum experience in nursing professional development. Focus is on the role of the nurse educator and the learning environment. Seminars will be conducted to discuss current topics related to nursing professional development. The students will be guided in the practicum by preceptors who are nurse educators in a professional development role. (Prereq: N630; N631, N632)

**NURS 641: 3 s.h.****Advanced Nursing Informatics**

Advanced discussion the role and impact of the nursing informatics specialist. Analysis of the impact on health and safety (QSEN) outcomes, as well as the impact of the human-technology interaction is included. Additional focus on the impact of technological and societal trends on patients and patient outcomes, as well as compliance and regulatory mandates.

**NURS 642: 3 s.h.****Healthcare Informatics Systems Analysis and Design**

Focused on the impacts of knowledge discovery and meta-analysis of data trends to impact healthcare outcomes. Understanding workflow processes, informatics solutions and their interplay are core concepts address. Methods to synthesize knowledge, use decision support and outcomes management to support reimbursement and advanced nursing science are addressed.

**NURS 643: 3 s.h.****Healthcare Project Management**

Examination of the role of design thinking and project management on operational architecture and information management. Consideration of the system life cycle to manage information exchange and accomplish key clinical operations.

**NURS 644: 3 s.h.****Healthcare Data Science and Data Analytics**

Introduction the principles of data science and data analytics in context of healthcare. Focus on use of data, data visualization, and data analysis to impact and improve patient care outcomes and healthcare workflow processes. Examination spans generation of quality data using common languages through analysis, application, and evaluation.

**NURS 645: 3 s.h.****Practicum in Nursing Informatics**

This course provides an opportunity to integrate theory and practice through an intensive practicum experience. The practicum provides the opportunity for the nursing informatics student to develop advanced clinical experience within a selected population and/or setting (112 hours of practicum required).

**NURS 650: 3 s.h.****Nursing Leadership and Administration**

Focused on the integration of the conceptual and theoretical frameworks of leadership into the role of the nurse leader. The role of the nurse leader to support the full spectrum of healthcare is addressed and analyzed. Additional focus on the role of change theory, organizational development, and complex healthcare systems.

**NURS 651: 3 s.h.****Leading Quality and Safety**

Focused on the role of the nurse leader in advancing the quality of patient care within complex healthcare systems. Investigates the impact of performance and quality improvement on patient safety. Using the guidelines developed by the Quality and Safety Education for Nurses (QSEN), methods to positively impact patient safety and care quality are discussed.

**NURS 652: 3 s.h.****Healthcare Financing and Value-Based Care**

Focus on the healthcare industry's shift to value-based and risk-based reimbursement. Analysis of the impact of the change on every component of healthcare. Focused on high-value, cost-effective, and evidence-based measures that incorporate innovation, resource stewardship, and systems thinking. Examines new payment models, where reimbursement is tied directly to clinical, organizational, and consumer outcomes.

**NURS 653: 3 s.h.****Leading Others & Organizations**

Focus on the essential competencies of the nurse leader in relation to communication, conflict management, employee development, and building relationships. Developing a business acumen through use of change management, decision-making strategies, and systems thinking. Additional emphasis on strategic planning, project management, and policy development.

**NURS 654: 3 s.h.****Nursing Leadership Practicum**

Provides an opportunity to integrate theory and practice through an intensive practicum experience. The practicum provides the opportunity for the nursing leadership students to engage in an advanced leadership experience within a selected setting (112 practicum hours required)

**NURS 686: 1-3 s.h.****Topics in Nursing**

In-depth investigation and development of one or more topics of current interest in nursing that are not normally covered in regular courses. Topics/methods will vary according to the needs of students and faculty.

**NURS 687: 1-3 s.h.****Topics in Nursing**

In-depth investigation and development of one or more topics of current interest in nursing that are not normally covered in regular courses. Topics/methods will vary according to the needs of students and faculty.

**NURS 688: 1-3 s.h.****Topics in Nursing**

In-depth investigation and development of one or more topics of current interest in nursing that are not normally covered in regular courses. Topics/methods will vary according to the needs of students and faculty.

**NURS 691: 1-3 s.h.****Ind Stdy Adv Nursing Practice**

In-depth approach to an individually structured problem. Focus will vary according to the needs of students and faculty involved.

**NURS 698: 3 s.h.****Capstone Project**

Capstone project is intended to be innovative, scholarly, and relevant to advanced nursing practice. It is completed under the supervision of an individual faculty member. Taken during last year of MSN curriculum courses.

**NURS 700: 3 s.h.****Transformational Leadership**

Emphasizes the roles of the advanced practice nurse as a clinical scholar, clinical expert and as a leader in evidence-based practice and transformation of health care. Evolution and need for doctoral education in nursing is considered. Theories of leadership change and transformation, and innovation diffusion are introduced. Systems theory, organizational and other mid-level theories are addressed. The interface between ethical and regulatory/legal obligations will be examined.

**NURS 701: 3 s.h.****Health Policy & Healthcare Economics**

Synthesize political action related to the structure of healthcare delivery. Analyzes factors that influence the production, financing, and distribution of healthcare services in the United States and globally. Utilize the social justice model as framework for in-depth analysis and critique of the social, political and economic factors affecting advanced/doctoral nursing practice. Topics include basic economic theory, market drivers, healthcare financing and reimbursement, cost/benefit analysis and healthcare entrepreneurship.

**NURS 702: 3 s.h.****Applied Research**

The relationships among basic and applied research, translational science, and evidence-based practice in healthcare settings are examined through this course. Research elements and methods are analyzed with an emphasis on research ethics and reading, interpreting, and evaluating quantitative and qualitative research studies that can be used to inform nursing practice.

**NURS 703: 3 s.h.****Epidemiology & Health Promotion**

Focus on the integration of evidence-based practice and epidemiological approaches to promote consistent and equitable care for diverse populations. Data will be critically analyzed to identify barriers to equitable quality healthcare. Analyze epidemiological, biostatistical, occupational, and environmental data in the development, implementation, and evaluation of clinical prevention and population health. Consideration of ethically sound solutions to complex issues related to individuals, communities and populations.

**NURS 704: 3 s.h.****Complex Health Care Systems**

Focus on the major theories and approaches to sustainable healthcare business practices. Key areas of interest include application of organizational theory, consideration of organizational culture and ethical decision-making. Focus on quality improvement and ensuring patient safety, with an emphasis on outcome indicators and the relationship among processes, outcomes and costs.

**NURS 705: 3 s.h.****Evidence-Based Practice Process**

Focuses on developing the necessary skills needed for applying EBP processes within the context of a practice setting, health care organization, or community. Provides the foundation for the DNP Capstone experience. Emphasis on the scholarly, systematic evidenced-based practice approach to problem-solving. The relationship between nursing interventions and patient outcomes is examined and opportunities for improvement are sought.

**NURS 706: 3 s.h.****Statistical Methods**

Exploration of statistical methods commonly used by advanced practice nurses to understand human health patterns. Descriptive and inferential statistics are applied through the use of statistical software packages and manipulation of datasets. Appraisal of appropriateness of research methods and techniques is included.

**NURS 707: 3 s.h.****Scholarly Project Design Sem**

Focus is on the design and defense of the student's proposed capstone project. Integration of foundational courses to develop, design and successful defend the proposed capstone project. Seminar style allows for increased interaction with faculty advisors and course peers. 3 cr; 1 cr lecture 2 cr (110 hours) clinical.

**NURS 708: 3 s.h.****Informatics & Data Management**

Design, select, and use information systems/technology to evaluate programs of care, outcomes of care, and care systems. Examine how information systems/technology provide a mechanism to apply budget and productivity tools, practice information systems and decision supports, and web-based learning or intervention tools to support and improve patient care.

**NURS 709: 3 s.h.****Implementation Seminar**

Focus is on the implementation of the student's capstone project, as well as collection of specified outcome data. Students will engage in their selected area of practice to enact the previously approved capstone project. Seminar style allows for increased interaction with faculty advisors and course peers. 3 cr, 1 cr lecture, 2 cr (110 hours) clinical.

**NURS 710: 3 s.h.****Transforming Healthcare**

This culminating course reflects the student's ability to assume a leadership role, employ effective communication and collaboration skills, evaluate practice, and successfully negotiate transformational change in the healthcare setting. Special attention is paid to the theoretical underpinnings and the broader implications of the capstone projects.

**NURS 711: 3 s.h.****Evaluation Seminar**

This seminar course focuses on the evaluation of the previously implemented EBP project. Students will engage in project evaluation/ data analysis, as well as discussion with their class and committee. The seminar will culminate in the final defense of the capstone project. The defense will include an explanation of the project implementation and analysis. Successful defense will result in completion of the course of study. 3 cr, 1 cr. lecture and 2 cr. (110 hours) clinical.

**NURS 786: 1-6 s.h.****Topics: Clin Adv Doct Nsg Prac**

In-depth clinical practice in the current interest or need in advanced nursing which are not normally covered in regular courses. This clinical topics course will vary according to the needs of students and faculty involved.

**NURS 787: 1-6 s.h.****Topic Adv Doct Nsg Pract**

In depth investigation and development of one or more topics of current interest in advanced nursing which are not normally covered in current courses. Special topics to be covered and methods used will vary according to the needs of students and faculty involved.

**NURS 791: 1-3 s.h.****Ind Stdy: Doct Nurs Practice**

In-depth approach to an individually structured problem. Focus will vary according to the needs of students and faculty involved.

**NURS 799: 3,6 s.h.****Appl Supervsn: Schl Hlth Svcs**

Provides field experiences in a school setting, with emphasis on the comprehensive role of school health services supervision, methods for personnel evaluation, observing and supervising school health personnel budget, staff in-service development, health curriculum evaluation, and school health program assessment/revision and community relations.

Prereq: EDSU 700, 701 and 703.