NU 501 MSN Online Orientation (0)
Online orientation is designed to provide a framework for delivery of essential information designed to promote academic success of the newly enrolled graduate student; and to provide consistent introduction to online services at the university.

NU 504 Theories in Nursing (2)
Examines theories foundational to the knowledge and practice of nursing, mechanisms for theory development and critique, and analysis of essential concepts unique to nursing.

NU 507 Advanced Health Assessment (3)
Presents advanced theoretical concepts of health assessment including interviewing and health history processes, physical examination, documentation of findings and clinical diagnostic judgments regarding the health care needs of vulnerable populations, communities and patients across the lifespan.

NU 513 Advanced Pathophysiology (3)
An advanced, systems-based exploration of normal human physiological function in relation to physiological changes that occur as a result of disease. Includes advances in genetics, immunology, and molecular biology.

NU 518 Organizational & Systems Leadership in Population Health (3)
Provides opportunities to review, examine, and analyze individual, family, and population-based care from a community health perspective and synthesize selected issues that affect the role responsibilities of the advance community health nurse within systems and organizations.

NU 519 Issues in Community-Based Care (2)
Provides opportunities to review, examine, and analyze selected issues that affect the discipline of nursing with specific emphasis on community-based practice; explores issues related to nursing taxonomies, computer and information technology; examines ethical issues in the delivery of health care and decision-making related to health needs of populations.

NU 520 Advanced Pharmacology (3)
Designed to augment and support the practice of the APN. Encompasses the prescriptive role of the APN, legal statutes, general principles of pharmacodynamics and pharmacokinetics, treatment guidelines related to evidence based practices, pharmacology concerns for special populations, and drugs most commonly used in primary care.

NU 522 Nursing Research (3)
Facilitate synthesis of the research process, appraisal of research, and implementation of research for an evidence-based practice.

NU 527 Epidemiology (3)
Study of various factors as they relate to the occurrence, frequency, and distribution of disease across the lifespan; includes origin, transmission, host/environmental factors that influence the development of disease, as well as issues related to health planning, policy, and evaluation.

NU 534 Statistics and Data Management (2)
Quantitative methods and statistics as applied to nursing and health care; topics include descriptive statistics, probability theory, sampling and statistical inference, hypothesis testing, regression and correlation analysis, and analysis of variance.

NU 540 Population Health I (6)
Prerequisite(s): NU 501, NU 504, NU 507, NU 513, NU 518, NU 527, and NU 544.
Application of advanced specialized knowledge relevant to health promotion/disease prevention issues in select populations with an emphasis on assessment and planning programs to impact vulnerable populations and aggregates. Clinical experiences will be designed to meet individual learning needs of the MSN student in assessment and planning through the advanced population health nurse (APHN). 254 practicum hours required.

NU 542 Transcultural Nursing & Healthcare (3)
NU 544 Statistical Methods in Health Care (3)
Quantitative methods and statistics as applied to nursing and health care; topics include descriptive statistics, probability theory, sampling and statistical inference, hypothesis testing, regression and correlation analysis, and analysis of variance.

NU 545 Population Health II (6)
Prerequisite: NU 540 and NU 522. Application of advanced specialized knowledge relevant to health promotion/disease prevention programs in select populations, with an emphasis on implementing and evaluating programs in vulnerable populations and aggregates. Clinical experiences will be designed to meet individual learning needs of the MSN student in implementation and assessment through the multifaceted role of the advanced population health nurse (APHN). 254 practicum hours required.

NU 550 Developing Instruction Programs in Collegiate Nursing Education (3)
Development of curricular components for nursing instructional programs. Examines the relationships among philosophy, goals, and outcomes for various learning environments. (Graduate Certificate requirement/Elective for MSN.)

NU 551 Teaching, Learning, and Evaluation in Collegiate Nursing Programs (3)
Focuses on teaching-learning theories, processes, strategies, and styles. Examines evaluation principles in the classroom and clinical setting. (Graduate Certificate requirement/Elective for MSN.)

NU 552 Practicum in Collegiate Nursing Education (3)
Application for teaching-learning theories/strategies, assessment and measurement methods, curricular frameworks, and nursing knowledge in an educational context. (Graduate Certificate requirement/Elective for MSN.)

NU 553 Issues and Trends in Collegiate Nursing Education (3)
Exploration of issues and trends influencing the role of the nursing educator. Includes analysis of technological, legal, economic, political, cultural and ethical, and professional dynamics. (Graduate Certificate requirement/Elective for MSN.)

NU 554 Introduction to Instructional Design and Online Teaching (3)
The purpose of this course is to provide the graduate nursing student with the opportunity to explore principles and best practices in online course design and teaching. Students are encouraged to examine quality standards and course exemplars. Emphasis is placed on instructional design, content organization and scaffolding of content to enhance student learning. The concept of continual engagement is introduced as a method to promote a community of engaged learners. Students will learn how to effectively prepare their online teaching through a systematic instructional planning process and to integrate effective technology to promote learning.
NU 581 Independent Study (1)
Prerequisite(s): Approval of the advisor.
Special project in nursing disaster management.

NU 582 Independent Study (2)
Prerequisite(s): Approval of the advisor.
Special project in nursing disaster management.

NU 583 Independent Study (3)
Prerequisite(s): Approval of the advisor.
Special project in nursing disaster management.

NU 607 Advanced Health Assessment (3)
Prerequisite(s): NU 613 and NU 620.
The purpose of this course is to provide the knowledge necessary to perform comprehensive history, physical, and psychological assessments of signs and symptom, pathophysiological changes, and psychosocial variations of the patient across the lifespan. The focus of the course is to provide foundational materials for specialized areas of advanced nursing practice. The emphasis is on systematic data collection, diagnostic reasoning, and clinical problem-solving.

NU 613 Physio-Pathological Basis of Advanced Nursing (3)
The purpose of this course for the MSN/DNP student is to provide an analysis of pathophysiology in frequently encountered conditions across the lifespan and in special populations. The focus is to introduce pathophysiological theories and research as a basis for advanced nursing practice. The emphasis is an applied physiology and pathophysiology to enable advance practice nurses to understand how and why the clinical manifestations of disease occur so that appropriate therapies can be selected.

NU 620 Pharmacology for Advanced Practice Nurses (3)
Prerequisite(s): NU 613.
The purpose of this course is to prepare advanced practice nurses with knowledge of pharmacokinetics and pharmacotherapeutics of common drug categories used to prevent illness, and to restore and maintain health for client systems across the life span. The focus is on mechanisms of action, pharmacologic response, usual doses, adverse effects, indications, interactions, compatibilities, contraindications, and routes of administration are emphasized in acute and chronic conditions. The unique characteristics of special populations related to therapeutic needs, as well as drug absorption, metabolism and excretion are defined. The emphasis of this course is to serve as the basis for development of further knowledge and principles to be applied to select specialty option populations within subsequent courses.

NU 701 Post-Master's DNP Online Orientation (0)
The purpose of the course is to introduce the new doctoral nursing student to expectations and responsibilities for successful progress across the DNP curriculum and integration into the JSU Nursing community of learners. Topics covered will include content such as introduction to faculty and staff, technology requirements, scholarly writing attributes, learning management system, professional behaviors in online environment, immersions, document tracking, etc.

NU 702 BSN-DNP Online Orientation (0)
The purpose of the course is to introduce the new doctoral nursing student to expectations and responsibilities for successful progress across the DNP curriculum and integration into the JSU Nursing community of learners. Topics covered will include content such as introduction to faculty and staff, technology requirements, scholarly writing attributes, learning management system, professional behaviors in online environment, immersions, document tracking, etc.

NU 707 Scientific Underpinnings of Advanced Nursing Practice (3)
The purpose of this course for the MSN/DNP student is to explore the scientific underpinnings that define the nature of health and healthcare delivery and to provide the basis for practice at the highest level of nursing from a theoretical perspective. Conceptual models and theories reflecting synthesis of knowledge from nursing and other disciplines are evaluated. The structure and nature of current theoretical knowledge as a guide for advanced nursing practice at the patient, population or system level of care are explored.

NU 708 Evidence-Based Practice and Quality Improvement in Healthcare (3)
The purpose of this course is to provide the MSN/DNP student with the foundational components required for effective utilization of evidence based practice within the scope of advanced nursing practice. The course focuses on the acquisition of evidence based practice methods to critically appraise existing literature, synthesize and implement the best evidence for practice. The course emphasis is on the application of quantitative, qualitative, and quality improvement methodologies to promote safe, effective care within healthcare systems.

NU 710 Health Care Policy and Finance (3)
The purpose of this course for the MSN/DNP student is to develop advanced nursing leaders who have the knowledge and skills to design, analyze, influence, and implement policies that frame health care financing practice regulation, access, safety, quality, and efficacy. The course focuses on major contextual factors and policy triggers that influence health policy making at various levels. Principles of finances, business and health care economics will be presented. The course emphasis is on developing essential competencies in health care policy advocacy and health care financing.

NU 711 Biostatistics and Translating Evidence (3)
The purpose of this course for the MSN/DNP student is to provide the methodological basis for translating evidence into practice systems and to provide an overview of sources of data, data collection, data management, analysis, and evaluation of research findings, with a focus on biostatistical analysis as a base for evidence-based practice in nursing. Course concepts will include a variety of biostatistical analysis with the primary focus on correct interpretation and use of quantitative methods in advanced nursing practice.

NU 712 Clinical Prevention and Population Health (3)
The purpose of this course for the MSN/DNP student is to explore the complex issues surrounding population health at the local, regional, national and global level. Students focus on current health issues and trends by utilizing foundation knowledge and theoretical approaches to identifying strategies to eliminate health disparities in diverse organizational cultures and select populations of interest. Students develop and evaluate approaches to health care delivery that address and support the needs of diverse populations while focusing on health promotion, illness prevention, quality/safety and diversity. Leading Health Indicators from Healthy People 2020 serve as a guide for the identification of at risk groups and are incorporated into the completion of projects geared toward improving the health of individuals, aggregats and populations.
NU 713 Organizational and Systems Leadership for the Advanced Practice Nurse (3)
The purpose of this course for the MSN/DNP student is to explore the use of innovative leadership initiatives to build an organizational culture that will support the future of healthcare. Desirable attributes and traits of effective leaders in complex, ever-changing healthcare organizations are discussed. The ideas of organizational and systems leadership are appraised. Content assists students in identifying the knowledge, skills and abilities for successful transition as leaders in high reliability organizations. The importance of self-awareness and self-reflection are highlighted as a method of creating a culture of high performance with accountability. Effective communication techniques, successful conflict resolution and effective problem solving practices within high reliability organizations are explored. Emphasis is placed on shared governance, maximizing teamwork and inspiring team members to share in organizational visions and goals. Strategic planning is discussed as an avenue to measure leadership and organizational success.

NU 715 Innovation Leadership and Collaboration in Healthcare (3)
The purpose of this course for the MSN/DNP student is to explore key concepts of innovative leadership as students develop an appreciation for the knowledge, skills and attributes required to engage teams in creative, evidence based initiatives. In-depth exploration of the leader's primary role in successful organizational change is emphasized. Students cultivate the knowledge, skills and abilities to apply to authentic, innovative leadership to an identified practice issue. The ideas of collaborative partnerships and teamwork are explored as effective strategies to improve healthcare outcomes for individuals and aggregates. Organizational culture and the influence of values are closely examined as factors influencing successful change. Students discover the importance of effective communication, successful collaboration, and team building to the process of change. The idea of executing meaningful performance conversations is emphasized as a strategy for preparing the MSN/DNP student for advanced roles in leading change. Models of quality improvement and project planning, implementation and evaluation are also examined.

NU 716 Interprofessional Health Care and Informatics (3)
The purpose of this course is to prepare the MSN/DNP student to be proficient in the evaluation and use of technology and information systems appropriate to specialized areas of advanced nursing practice. The course focuses on information systems and current technology in the management of healthcare outcomes. Within the course, emphasis is placed on the use of information systems and technology based resources to support interprofessional and collaborative clinical and administrative decision making to transform healthcare.