NURSING (NURS)

Explanation of Course Numbers

- Courses in the 1000s are primarily introductory undergraduate courses
- Those in the 2000s to 4000s are upper-division undergraduate courses that can also be taken for graduate credit with permission and additional work
- Those in the 6000s and 8000s are for master’s, doctoral, and professional-level students
- The 6000s are open to advanced undergraduate students with approval of the instructor and the dean or advising office

NURS 3101. Ethical Foundations of Nursing. 3 Credits.
Ethical theory and principles as they relate to a variety of common ethical and moral dilemmas that challenge nursing professionals in their clinical practice.

NURS 3102. Nutrition for Health Professionals. 3 Credits.
Human nutrition fundamentals and the scientific foundation; nutritional requirements related to changing individual and family needs, food choices, health behaviors, food safety, prevention of chronic disease and nutrition-related public health in the United States and other countries.

NURS 3103. Human Anatomy and Physiology I. 4 Credits.
Fundamental structures and functions as they relate to the human body: homeostasis, anatomical language and body organization, tissues and histology, integumentary; skeletal; muscular; nervous, and endocrine systems. Students should have a basic background in introductory cell/molecular biology before enrolling.

NURS 3104. Human Anatomy and Physiology II. 4 Credits.
Fundamental structures and functions as they relate to the human body: homeostasis, anatomical language and body organization, tissues and histology, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Students should have a basic background in introductory cell/molecular biology before enrolling. Prerequisite: NURS 3103.

NURS 3105. Microbiology for Health Professionals. 4 Credits.
The structural and functional characteristics of microbes; prokaryotic, eukaryotic, and viruses, in the context of human health.

NURS 3110W. Transition into the Nursing Profession. 2 Credits.
Values and characteristics of the nursing profession in the context of history and current legal, regulatory, and ethical contexts. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement.

NURS 3111. Health Assessment. 3 Credits.
Knowledge and skills necessary for conducting comprehensive and need-specific health assessments for individuals in both family and community contexts and determining areas in which health promotion activities should be implemented or reinforced. Corequisites: NURS 3112, NURS 3113, NURS 3118 and NURS 3119. Restricted to students enrolled in the bachelor of science in nursing program.

NURS 3112. Nursing Practice and Clinical Reasoning I: Adult and Aging Acute and Chronic Illness. 3 Credits.
Values, knowledge, and competencies at the foundation of safe, evidence-based, and professional holistic nursing care of adults with common medical and surgical needs. Restricted to students in the bachelor of science in nursing program.

NURS 3113. Clinical and Nursing Skills Lab: Adult Medical-Surgical I. 8 Credits.
Values, knowledge, skills, and competencies at the foundation of safe, evidence-based, professional, and holistic nursing care of adults with common medical and surgical needs; critical thinking and communication skills in clinical and laboratory environments. Corequisites: NURS 3111 and NURS 3118. Restricted to students in the bachelor of science in nursing program.

NURS 3114. Nursing Practice and Clinical Reasoning II: Advanced Adult Medical-Surgical. 3 Credits.
Builds on the basic concepts introduced in NURS 3112, incorporating complex, multi-system disease processes; assessing and managing clients/patients in a hospital environment; providing safe, evidence-based professional, and holistic nursing care related to the management of clients with advanced medical and surgical needs. Corequisite: NURS 3116. Restricted to students in the bachelor of science in nursing program. Prerequisites: NURS 3110W, NURS 3112 and NURS 3113.

NURS 3115. Clinical and Nursing Skills Lab: Adult Medical-Surgical II. 4 Credits.
Safe, evidence-based, professional, and holistic nursing care related to the management of clients with advanced medical and surgical needs; knowledge, skills, and competencies for assessing and managing clients/patients in a hospital environment. Restricted to students enrolled in the bachelor of science in nursing program. Prerequisites: NURS 3110W, NURS 3111, NURS 3112, NURS 3118, NURS 3119 and NURS 3213.

NURS 3116. Nursing Practice and Clinical Reasoning III: Psychiatric Mental Health Nursing. 3 Credits.
Theoretical principles, concepts, and skills needed to provide safe and effective nursing interventions to clients across the lifespan who are experiencing psychiatric and mental health conditions. Restricted to students in the bachelor of science in nursing program. Prerequisites: NURS 3110W, NURS 3111, NURS 3112, NURS 3213, NURS 3118 and NURS 3119.
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<td>Nursing Practice and Clinical Reasoning IV: Maternity and Women's Health Care</td>
<td>3</td>
<td>NURS 3110W, NURS 3111, NURS 3112, NURS 3213, NURS 3114, NURS 3115, NURS 3116, NURS 3118, NURS 3119 and NURS 4118.</td>
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<td>NURS 3118</td>
<td>Pharmacology I.</td>
<td>2</td>
<td>Restricted to students in the bachelor of science in nursing program.</td>
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<td>NURS 3119</td>
<td>Pathophysiology.</td>
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<td>Restricted to students in the bachelor of science in nursing program.</td>
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<td>NURS 3213</td>
<td>Adult Medical-Surgical Lab I.</td>
<td>4</td>
<td>NURS 3110W, NURS 3111, NURS 3112, NURS 3213, NURS 3114, NURS 3115, NURS 3116, NURS 3118, NURS 3119, NURS 4116, NURS 4118, NURS 4119, NURS 6203 and NURS 6207.</td>
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<tr>
<td>NURS 4099</td>
<td>Variable Topics.</td>
<td>1-6</td>
<td>Assigned topics determined by the School of Nursing. Restricted to students with prior permission of the undergraduate division of the School of Nursing.</td>
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<td>NURS 4109</td>
<td>Introduction to Perioperative Nursing.</td>
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<td>NURS 4116</td>
<td>Children and Families.</td>
<td>3</td>
<td>NURS 3110W, NURS 3111, NURS 3112, NURS 3213, NURS 3114, NURS 3115, NURS 3116 and NURS 4118.</td>
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<td>NURS 4117</td>
<td>Nursing Practice and Clinical Reasoning V: Community and Public Health Nursing</td>
<td>3</td>
<td>NURS 3110W, NURS 3111, NURS 3112, NURS 3113, NURS 3114, NURS 3115, NURS 3116, NURS 3117, NURS 3118, NURS 3119, NURS 4116, NURS 4118, NURS 4119, NURS 6203 and NURS 6207.</td>
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<td>NURS 4118</td>
<td>Pharmacology II.</td>
<td>1</td>
<td>Principles of pharmacology and mechanisms of action of drug prototypes used in clinical practice. Restricted to students in the bachelor of science in nursing program.</td>
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<td>NURS 4119</td>
<td>Patient Safety and Health Care Quality.</td>
<td>3</td>
<td>Processes and skills needed to provide safe, quality nursing care, encompassing the five critical competencies: providing safe, patient-centered care; working in interdisciplinary teams; employing evidence-based practice; applying quality improvement; and using informatics. Restricted to students in the bachelor of science in nursing program.</td>
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<td>NURS 4120</td>
<td>Capstone:Transition to Practice.</td>
<td>6</td>
<td>Preparation for the transition from nursing student to graduate nurse. Students critically analyze, synthesize, and apply knowledge, skills, theories, and concepts learned in the program in a precepted clinical area of special interest. Focuses in part on preparation for the National Council Licensure Examination–RN (NCLEX–RN) with emphasis on test-taking strategies, problem solving, critical thinking, and computer assisted instruction; comprehensive assessment/ readiness test and secure predictor tests for the NCLEX-RN are administered at the end of the program. Restricted to students in the bachelor of science in nursing program.</td>
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<td>NURS 4121</td>
<td>Nursing Advancement Portfolio.</td>
<td>15</td>
<td>Collection of evidences to demonstrate student learning and competency throughout the curriculum as they relate to achievement of nursing baccalaureate program outcomes. The portfolio provides a means of organizing student accomplishments in their academic work and in their pursuit of professional career pathways.</td>
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NURS 4122. Capstone: Transition Into Professional Practice. 2 Credits.
Critically analyze, synthesize, and apply knowledge, theories, and concepts learned in the program to make the transition from nursing student to graduate nurse. Restricted to students in the bachelor of science in nursing program. Prerequisites: NURS 3110W, NURS 3111, NURS 3112, NURS 3213, NURS 3114, NURS 3115, NURS 3116, NURS 3117, NURS 3118, NURS 3119, NURS 4116, NURS 4118, NURS 4119, and NURS 6203.

NURS 4123. Senior Practicum: Transition Into Clinical Practice. 5 Credits.
Students partner with a registered nurse in a clinical setting to synthesize and apply concepts and skills learned in previous coursework in professional practice. Restricted to students in the bachelor of science in nursing program. Prerequisites: NURS 3110W, NURS 3111, NURS 3112, NURS 3213, NURS 3114, NURS 3115, NURS 3116, NURS 3117, NURS 3118, NURS 3119, NURS 4116, NURS 4118, NURS 4119, and NURS 6203.

NURS 4207. Principles of Nursing Research and Evidence-Based Practice. 3 Credits.
Development of student skills in research and practice-related knowledge necessary to implement evidence-based practice. May be repeated for credit.

NURS 4217. Community and Public Health Nursing. 4 Credits.
Introduction to the principles of community and public health nursing with an emphasis on vulnerable populations. Prerequisites: NURS 3110W, NURS 3111, NURS 3112, NURS 3213, NURS 3114, NURS 3115, NURS 3116, NURS 3117, NURS 3118, NURS 3119, NURS 4116, NURS 4118, NURS 4119, and NURS 6203.

NURS 4417. Community and Public Health Nursing. 3 Credits.
Introduction to the roles and responsibilities of nurses in community and population-based health. Restricted to students in the RN to BSN program.

NURS 6001. Clinical Experience in San Jose, Costa Rica. 0 Credits.
GW students work with nursing students and faculty from Universidad Hispaoamericana to provide basic health care, health screening, and patient education to children and adults in various community facilities and homes in San Jose, Costa Rica. Restricted to students enrolled in the School of Nursing.

NURS 6002. Clinical Experience in Quito, Ecuador. 0 Credits.
In collaboration with Universidad San Francisco de Quito, GW students work with local communities to provide basic health services and health education programs for adults and children in Quito and neighboring areas. Graduate students may have an opportunity to work with local physicians. Restricted to students enrolled in the School of Nursing who are fluent Spanish speakers.

NURS 6003. Clinical Experience in Mukono District, Uganda. 0 Credits.
In collaboration with GW partner Omni Med, students will focus on training volunteer community health workers to screen for hypertension and provide health education programs on topics such as maternal – child health, sanitation and nutrition in Mukono District, Uganda. Restricted to students enrolled in the School of Nursing.

NURS 6004. Clinical Experience in Thomonde, Haiti. 0 Credits.
Students and faculty from the GW’s medical, physician assistant, and public health programs work in collaboration with partner organization Project Medishare to provide health services and education and disease prevention programs in rural clinics, schools, and villages in Thomonde, Haiti.

NURS 6005. Clinical Experience in Caracol, Haiti. 0 Credits.
In collaboration with health care providers from GW School of Nursing partner institution Pusan National University Yangsan Hospital, South Korea, and SAE-A Trading Company Ltd., students provide basic health services, health screening and education, and disease prevention programs to individuals and communities attending the medical mission clinic in Caracol, Haiti. Restricted to students enrolled in the School of Nursing.

NURS 6181. Creativity and Innovation in Health Care. 3 Credits.
The theoretical conceptualizations and practical applications to promote creativity and innovation in generating ideas, identifying opportunities, and solving problems.

NURS 6202. Concepts in Population Health. 3 Credits.
Students integrate and synthesize concepts associated with quality, health promotion, disease prevention, and chronic health problems within communities, the general population, and specific population groups; issues related to culturally diverse and vulnerable populations.

NURS 6203. Nursing Leadership. 3 Credits.
Evidence-based leadership skills as a core competency in nursing to improve patient care quality and strengthen nursing as a profession; theories of leadership, personal leadership, skill building, team building techniques, change, conflict resolution, motivation, and communication skills.

NURS 6204. Health Information and Technology. 3 Credits.
Key issues and concepts related to the use of technology and information management to support the provision of high quality health care and outcomes.

NURS 6205. Health Policy, Quality, and Political Process. 3 Credits.
Health policy process and analysis relevant to the three main components of policy: cost, quality, and access.

NURS 6207. Evidence-Based Practice for Health Care Researchers. 3 Credits.
Methodological issues of health care research; knowledge and skills needed to critically appraise and synthesize research results and evidence-based methods.
NURS 6208. Biostatistics for Health Care Research. 3 Credits.
Basic concepts and modeling approaches used in biostatistics through the use of health care research data.

NURS 6215. Pediatric Adversity and Early Childhood Development and Health. 3 Credits.
How major adversity in childhood can weaken developing brain architecture and impact physical and mental health; the impact of poverty and other social determinants of health on child well-being over the life cycle.

NURS 6220. Advanced Physiology and Pathophysiology. 3 Credits.
System-focused advanced physiology and pathophysiology for analysis of health deviations across the life span.

NURS 6222. Advanced Health Assessment and Diagnostic Reasoning. 4 Credits.
Nurse practitioner and nurse-midwifery students will acquire the knowledge, skills and clinical foundation for advanced health assessment and diagnostic reasoning in the ambulatory health care setting. This course is a prerequisite to all other clinical courses and includes a Campus Learning and Skills Intensive (CLASI).

NURS 6224. Adult/Gerontology Primary Care Nurse Practitioner I: Practice Introduction. 4 Credits.
First clinical practicum course in the adult-gerontology primary care nurse practitioner program; theoretical and practical foundations of common primary care conditions in the adult patient. Prerequisites: NURS 6220, NURS 6222 and NURS 6234.

NURS 6225. Adult/Gerontology Primary Care Nurse Practitioner II: Adolescent and Adult. 8 Credits.
Second clinical practicum course in the adult-gerontology primary care nurse practitioner program. Synthesis and integration of advanced decision making skills including diagnostic reasoning and clinical judgment, health assessment, health promotion, technology, and evidence-based practice. Prerequisites: NURS 6220, NURS 6222, NURS 6224 and NURS 6234.

NURS 6227. Family Nurse Practitioner Clinical Practicum. 1-7 Credits.
Clinical practicum providing foundations of family primary care; focus on chronic health problems faced by families from culturally diverse backgrounds. Corequisites: NURS 6250, NURS 6251 and NURS 6252 Prerequisites: NURS 6220, NURS 6222 and NURS 6234.

NURS 6229. Adult/Gerontology Primary Care Nurse Practitioner III: Adult, Older/Frail. 8 Credits.
Third clinical practicum course in the adult-gerontology primary care nurse practitioner program; theoretical and evidence-based practice foundations for assessment and management of the patient across the aging continuum. Prerequisites: NURS 6220, NURS 6222, NURS 6224, NURS 6225 and NURS 6234.

NURS 6230. Family Nurse Practitioner I: Lifespan Primary Care/Diagnosis/Management. 4 Credits.
First clinically-based course for family nurse practitioners. Didactic and clinical experiences in primary care focusing on common and chronic health problems across the lifespan. Prerequisites: NURS 6220, NURS 6222 and NURS 6234.

NURS 6231. Family Nurse Practitioner II: Lifespan Primary Care/Diagnosis/Management. 8 Credits.
Second clinically-based course for family nurse practitioners. Didactic and clinical experiences in primary care focusing on common and chronic health problems across the lifespan. Prerequisites: NURS 6220, NURS 6222, NURS 6234 and NURS 6230.

NURS 6232. Family Nurse Practitioner III: Professional Issues/Diagnosis/Management. 8 Credits.
Third clinically-based course for family nurse practitioner students. Didactic and clinical experiences in primary care focusing on common/chronic problems across the lifespan. Prerequisites: NURS 6220, NURS 6222, NURS 6223, NURS 6230 and NURS 6231.

NURS 6233. Genetics for Health Care Providers. 3 Credits.
Basic scientific principles of genetics and their clinical applications.

NURS 6234. Advanced Pharmacology for Nursing. 3 Credits.
Pharmacologic concepts commonly seen in advanced practice nursing; major pharmacological classes for selected disease states and application in therapeutic decision making to encounters across the lifespan. Prerequisite: NURS 6220.

NURS 6235. Adult-Gerontology Acute Care Nurse Practitioner 1: Introduction to Practice. 4 Credits.
First clinical practicum course in the adult-gerontology acute care nurse practitioner program. Scientific underpinnings and practical management of complex acute and chronic conditions across a spectrum of care delivery situations from subacute rehabilitation, to urgent care, emergency department, hospital-based care, and critical care Prerequisites: NURS 6220, NURS 6222 and NURS 6234.

NURS 6236. Adult-Gerontology Acute Care Nurse Practitioner II: Complex and Acute Illness. 8 Credits.
Second clinical course in the adult-gerontology acute care nurse practitioner program. Management of complex, acute stable, and unstable conditions experienced by a variety of age groups from adolescents, to middle-aged adults, to the elderly. Prerequisites: NURS 6220, NURS 6222, NURS 6234 and NURS 6235.
NURS 6237. Adult-Gerontology Acute Care Nurse Practitioner III: Complex and Chronic Disease Mgt Adolesc/Elderly. 8 Credits.
Third clinical practicum course for the adult-gerontology acute care nurse practitioner program. Scientific underpinnings and practical management of complex acute and chronic conditions across a spectrum of care delivery situations from subacute rehabilitation, to urgent care, emergency department, hospital-based care, and critical care. Prerequisites: NURS 6220, NURS 6222, NURS 6234, NURS 6235 and NURS 6236.

NURS 6241. The Health Care Enterprise. 3 Credits.
Overview of general management business principles related to health care systems; strategic management of patient-centered care delivery and strategic health care leadership.

NURS 6242. Psychopharmacology. 3 Credits.
Overview of the neurobiological and psychopharmacological principles for the clinical management of psychotropic medications in the treatment of mental illnesses across the lifespan; integrates neuroanatomy, pharmacogenomics, neurophysiology, pathophysiology, biochemistry, pharmacology and behavioral science. Prerequisites: NURS 6220, NURS 6222 and NURS 6234.

NURS 6243. Addiction and Change. 3 Credits.
Principles of addiction and change with a focus on correlating how changes in behavior lead to recovery in addictions. Models of addiction and change, the neurobiology of addiction, behavior change theories and models, and treating addictions through behavioral mechanisms.

NURS 6244. Psychiatric/Mental Health Nursing with Families and Groups Across the Lifespan. 3 Credits.
Theoretical and conceptual models related to the developmental and functional processes within family systems, therapy groups, and psychoeducation groups; the PMHNP’s scope of practice as it relates to conducting family and group psychotherapy. Concurrent clinical practicum under preceptor and faculty supervision for a minimum of 75 hours over the course of the semester. Prerequisites: NURS 6242 and NURS 6245.

NURS 6245. Psychiatric/Mental Health Diagnostic Assessment Across the Lifespan. 4 Credits.
Theoretical and foundational knowledge for assessing, diagnosing, treating, and managing mental illnesses across the lifespan. Concurrent clinical practicum under the supervision of preceptors and faculty. Students must complete a minimum of 150 clinical hours. Prerequisites: NURS 6220, NURS 6222 and NURS 6234.

NURS 6246. Psychiatric/Mental Health Advanced Practice Nursing with Individuals Across the Lifespan. 3 Credits.
Examines, analyzes, and evaluates treatment models and evidence-based interventions for the care of individuals living with acute and chronic mental illnesses across the lifespan. Concurrent clinical practicum under the supervision of preceptors and faculty. Students must complete a minimum of 75 clinical hours. Prerequisites: NURS 6242 and NURS 6245.

NURS 6247. Population-Based Psychiatric/Mental Health Advanced Practice Nursing Across the Lifespan. 3 Credits.
Clinical practicum designed to build psychiatric mental health nurse practitioner skills in a variety of clinical settings. Students integrate foundational knowledge from coursework to provide safe and competent behavioral healthcare to individuals across the lifespan. Prerequisites: NURS 6242, NURS 6244, NURS 6245 and NURS 6246.

NURS 6248. Integrated Application of Psychiatric/Mental Health Advanced Practice Nursing. 3 Credits.
Developing competency in the PMHNP role; integration of foundational knowledge from coursework to provide safe and competent behavioral health care to individuals across the lifespan. Restricted to students in the post-master’s certificate in psychiatric/mental health nurse practitioner program. Prerequisites: NURS 6220, NURS 6222, NURS 6234, NURS 6242, NURS 6244, NURS 6245, NURS 6246 and NURS 6247.

NURS 6250. Family Nurse Practitioner I for Nurse Practitioners: Adult Primary Care Diagnosis Management. 2 Credits.
First clinically-based course for family nurse practitioners. Didactic and clinical experiences in primary care focusing on prevention and common/chronic health problems across the lifespan. Corequisite: NURS 6227.

NURS 6251. Family Nurse Practitioner II for Nurse Practitioners: Lifespan Primary Care Diagnosis Management. 4 Credits.
Second clinically-based course for family nurse practitioners. Didactic and clinical experiences in primary care focusing on common/chronic health problems across the lifespan. Corequisite: NURS 6227. Prerequisite: NURS 6250.

NURS 6252. Family Nurse Practitioner III for Nurse Practitioners: Lifespan Primary Care Diagnosis Management. 4 Credits.
Third theory course for family nurse practitioner students nationally certified in another APRN population. Covers common acute and chronic problems across the lifespan. Corequisite: NURS 6227. Prerequisites: NURS 6250, NURS 6251.

NURS 6258. Leadership Capstone Practicum I. 3 Credits.
First course in a two-semester mentored internship practicum. Students apply knowledge and refine abilities related to leadership in a setting and practice area mutually agreed upon by the student and instructor. Prerequisites: NURS 6202, NURS 6203, NURS 6204, NURS 6205, NURS 6207, NURS 6241, NURS 6274 and NURS 6295.

NURS 6259. Leadership Capstone Practicum II. 3 Credits.
Second course in a two-semester mentored internship practicum. Students apply knowledge and refine abilities related to leadership in a setting and practice area mutually agreed upon by the student and instructor. Prerequisite: NURS 6258.
NURS 6262. Leadership Coaching in Nursing. 3 Credits.
Client health coaching and leadership and management coaching; theoretical foundations, evidence for leadership coaching in nursing, and applications of coaching in nursing management.

NURS 6274. Health Economics and Finance. 3 Credits.
Health care economics, finance, and policy for effective management in a complex health care environment.

NURS 6282. Teaching and Learning in Health Care I: Foundations of Instructional Design. 3 Credits.
Principles of instructional design. Active, authentic learning and assessment methods in academic and health care delivery settings; analyzing needs, defining objectives, and assessing outcomes for learning; strategies to support learner mastery.

NURS 6283. Teaching and Learning in Health Care II: Learner Engagement. 3 Credits.
Theory- and evidence-based strategies and techniques to promote learner engagement, interactivity, and deep learning; application of learning theories and principles of learner-centered teaching to facilitate learning in didactic and clinical settings.

NURS 6284. Teaching and Learning in Health Care III: Program and Curriculum Development. 3 Credits.
Design, development, implementation and evaluation of academic, clinical, and professional educational programs in nursing and other health professions; analysis and integration of national, professional and institutional policies, requirements, and standards to develop an outcomes-based curriculum.

NURS 6286. Problem Analysis and Health Policy Formulation. 3 Credits.
Analysis of major health problems in the United States from a policy perspective; problem identification, agenda setting, policymaking, budgeting, implementation, and evaluation.

NURS 6290. Global Health for Health Care Professionals. 3 Credits.
Global health problems and issues from interdisciplinary and comparative perspectives.

NURS 6291. Advanced Topics. 1-9 Credits.

NURS 6292. Teaching with Technology in the Health Professions. 3 Credits.
Application of instructional design principles to the development of technology-based educational programs for health professionals; application of technology to support learner-centered instruction.

NURS 6295. Health Care Quality Process. 3 Credits.
Application of change processes that are critical to improving health quality by integrating theory and implementation; the role of systems assessment and measurement as fundamental to quality improvement.

NURS 6297. Independent Study. 1-9 Credits.

NURS 6298. NP Clinical Completion. 1-5 Credits.

NURS 8401. Organizational Concepts in Nursing. 3 Credits.
Health care delivery systems, the nurse’s role in interprofessional/interdisciplinary teams, and organizational development from a nursing perspective.

NURS 8402. Knowledge Management in Nursing. 3 Credits.
The use of knowledge management and information technology as it applies to health care; strategies to improve the efficiency and effectiveness of health care with the use of technology.

NURS 8403. Translating Research into Practice. 3 Credits.
Models and processes of evidence-based practice, strategies to translate evidence into practice, and tools useful for promoting practices in health care settings.

NURS 8404. Health Services Research and Policy for Nurses. 3 Credits.
Data and methods for health services research, policy analysis, health care policy making, and the relationships among them; linkages between nursing, health care policies, and related health services research. Prerequisite: NURS 6202.

NURS 8405. Health Care Quality Improvement. 3 Credits.
Multidisciplinary background for the science of healthcare quality management; concepts, principles, and philosophy of quality improvement.

NURS 8407. Grant Writing. 3 Credits.

NURS 8409. Health Care Quality Practicum. 3 Credits.
Quality improvement (QI) processes and patient safety theories, models, methods, and tools in health care settings and their application to conceiving and executing a QI project in an organizational setting.

NURS 8410. Executive Presence I. 2 Credits.

NURS 8411. Executive Presence II. 2 Credits.
This is a continuation of Executive Presence I. In this course, the student will examine power shifts in leadership, revisit change as a stimulus for innovation, participate in an interactive session for individuals who can practice communicating their practicum proposals and receiving friendly feedback and constructive input from their peers, and re-evaluate the leadership development plan designed in Executive Presence I.
NURS 8412. HC Finance for Nurse Leaders. 3 Credits.

NURS 8413. Adult-Gerontology Acute Care Nurse Practitioner: Advanced Role Immersion. 3 Credits.
Students develop and integrate bedside with systems and population level competencies; role development, leadership, interdisciplinary collaboration, systems management, and evidenced-based practice are discussed and applied to concurrent clinical experiences; independent practice skills in the context of interdisciplinary teams. Prerequisites: NURS 6235, NURS 6236 and NURS 6237. Recommended background: prior enrollment in NURS 6220, NURS 6234 and NURS 6222.

NURS 8414. DNP Residency. 3 Credits.
Seminar and clinical practicum that focuses on developing and integrating DNP competencies; role development, leadership, interprofessional collaboration, population health, and evidence-based practice; the development of independent practice skills and integration of DNP program outcomes. Prerequisites: NURS 6220, NURS 6222, NURS 6233 and NURS 6234; NURS 6224 or NURS 6230; NURS 6225 or NURS 6231; and NURS 6229 or NURS 6232.

NURS 8416. Entrepreneurship for Nurse Leaders. 3 Credits.
Various aspects of entrepreneurship in the context of the nursing profession.

NURS 8417. Health Policy and Analysis. 3 Credits.
Application of evidence based methods, policy frameworks, cost effectiveness, and cost benefit analysis related to current policy issues.

NURS 8418. Health Care Economics, Finance, and Reimbursement. 3 Credits.
Application of economic concepts to health care financing and reimbursement policy; the effects of historical, current, and emerging models of financing on quality, access, and cost.

NURS 8420. The Health Policy Process. 3 Credits.
The impact of governmental structures and processes on health policy, access, quality, and cost; the role of nurses in shaping health system change.

NURS 8421. The Legislative and Judicial Processes and Health Policy. 3 Credits.
Health policy legislation and the role of the judiciary. Students develop briefing materials, provide verbal or written testimony, give public comments regarding proposed bills, and assess impact of policy-oriented boards. Includes visits to Capitol Hill or state capitals.

NURS 8422. Health Policy Practicum. 3 Credits.
Students collaborate with a policy expert in a professional organization, government agency, advocacy group, or other entity to develop policy on a specific issue related to cost, quality, or access relevant to patient experience of care.

NURS 8423. The Regulatory Process and Health Policy. 3 Credits.
Knowledge and skills for analyzing rulemaking and regulatory processes that affect health-related issues; workforce scopes of practice; safety of the public; and roles and influence of federal agencies and private organizations charged with implementing newly passed legislation.

NURS 8440. Philosophy of Science and Theories. 4 Credits.
Philosophy of science and scientific methodology in historical context; competing philosophical viewpoints about the nature of scientific knowledge and the implication for knowledge development in nursing science; theoretical foundations of research studies. Restricted to Majors Only.

NURS 8441. Statistics for Health Care Research I. 3 Credits.
Intermediate-level statistics applicable to the analysis of health care data.

NURS 8442. Statistics for Health Care Research II. 3 Credits.
Advanced statistical methods commonly used in health care research. Analysis and interpretation of healthcare data using a variety of statistical techniques, including simple and multiple linear, linear-mixed effects, logistic, and Poisson regression, repeated measures designs, and survival analysis.

NURS 8443. Research Program Development Seminar I. 2 Credits.
Application of ethical principles to the conduct of research; ethical influences and perspectives related to the development and implementation of the research dissertation.

NURS 8444. Research Program Development Seminar II. 1 Credit.
Introduction to select professional roles and guidance on preparation for associated responsibilities; forming an effective research team; generating meaningful and impactful scholarship.

NURS 8445. Experimental and Quasi-Experimental Research Designs. 3 Credits.
Formulation of research questions, hypotheses, measurement, sampling, data collection, and statistical approaches for various experimental and quasi-experimental research designs.

NURS 8447. Measurement for Health Care Research. 3 Credits.
Measurement theories, principles, and techniques essential for the development and analysis of assessment instruments used in health care research; reliability and validity analysis, generalizability theory, item analysis, linking and scaling procedures, and adjustments for measurement error.

NURS 8448. Systematic Review and Meta-Analysis. 3 Credits.
Systematic reviews and meta-analyses, and their relative utility in answering research questions; formulating questions, defining criteria for including or excluding studies, methods for data extraction, grading the risk for various kinds of bias, and performing a meta-analysis.
NURS 8449. Non-Experimental Research Design. 3 Credits.
Evaluation of secondary data analysis, surveys, case-control studies, cohort studies, and mixed methods approaches.

NURS 8454. Proposal Development Seminar. 2 Credits.
Faculty supervision and ongoing peer feedback for development of the dissertation proposal.

NURS 8455. Dissertation. 10 Credits.
Culminating research experience for students in the doctoral program in nursing. Following defense of the dissertation proposal, students work with the research advisor and dissertation committee to design and implement a research study, analyze data, and interpret and contextualize findings using the study framework and current state of the science.

NURS 8490. DNP Project Planning. 3 Credits.
Foundational knowledge to support the student in creating a DNP project proposal that includes a project plan, implementation, and evaluation plan. Students identify a practice issue, develop a DNP project plan, and formulate a scholarly project development process. Prerequisite: NURS 8403.

NURS 8491. DNP Project Implementation. 3 Credits.
Implementation of DNP project using leadership, project management, and team building skills. Restricted to DNP students. Prerequisite: NURS 8490.

NURS 8492. DNP Project Evaluation and Dissemination. 3 Credits.
Data collection and evaluation of results from the DNP project using rigorous evaluation criteria and outcome measures. Restricted to DNP students. Prerequisite: NURS 8491.

NURS 8498. Research Project Proposal. 3 Credits.
Students develop a proposal for a clinical research project in consultation with their advisory committee. Prerequisites: NURS 6202, NURS 6241, NURS 8401, NURS 8402, NURS 8403, NURS 8404 and NURS 8405.

NURS 8499. Clinical Research Project. 3 Credits.
Individual investigation of a clinical problem with relevance to the student's practice setting. Students work under the direction of a faculty committee to prepare a written and oral report of their findings. Prerequisite: NURS 8498.