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 also may be taken for graduate credit with permission and additional work assigned
- 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 3106. Introduction to Statistics for Health Professionals. 3 Credits.
A concepts-based course introducing students to the theory, practice, and application of probability and statistics to health care research questions.

NURS 3107. Introduction to Math for Health Professionals. 3 Credits.
Introduces students to the concept-based theory, practice, and application of math to dosage calculations in healthcare.

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 3118. Pharmacology I. 2 Credits.
The underlying principles of pharmacology and medication administration. Restricted to students in the bachelor of science in nursing program.

NURS 3119. Pathophysiology. 3 Credits.
Pathophysiology and diagnostic assessments of common disease conditions affecting individuals across the lifespan. Restricted to students in the bachelor of science in nursing program.

NURS 3120. Foundations of Professional Nursing. 6 Credits.
Basic nursing concepts and skills the beginning nurse needs to provide client- and family-centered care to diverse client populations. Prepares students to use the nursing process. Restricted to students in the BSN program.

NURS 3121. Health Assessment and Promotion. 3 Credits.
The knowledge and skills needed to conduct comprehensive and need-specific health assessments. Concepts of health promotion and disease prevention. Restricted to students in the BSN program.

NURS 3122. Principles of Safe Client Care. 2 Credits.
Client safety core concepts and values of professional nursing. Restricted to students in the BSN program.

NURS 3123. Quality Interprofessional Care of the Client. 2 Credits.
Basic concepts of improvement science in nursing and interprofessional health care. Builds on concepts of safety learned in NURS 3122. Prerequisites: NURS 3119, NURS 3120, NURS 3121, and NURS 3122.

NURS 3124. Adult and Geriatric Nursing I. 6 Credits.
Didactic/clinical course focusing on primary, secondary, and tertiary care in the adult and geriatric client. Incorporates the nursing process into the provision of client- and family-centered care. Restricted to students in the BSN program. Prerequisites: NURS 3119, NURS 3120, NURS 3121, and NURS 3122.

NURS 3125. Mental Health Nursing. 3 Credits.
Didactic/clinical course focusing on the application of theories and implementation of evidence-based care for clients with psychiatric/mental health issues. Restricted to students in the bachelor of science in nursing program. Prerequisites: NURS 3119, NURS 3120, NURS 3121, NURS 3122.

NURS 4099. Variable Topics. 1-6 Credits.
Assigned topics determined by the School of Nursing. Restricted to students with prior permission of the undergraduate division of the School of Nursing.
NURS 4109. Introduction to Perioperative Nursing. 3 Credits.
The role of the perioperative nurse and the fundamental knowledge, skills, and competencies needed to deliver safe, evidence-based, holistic care within a perioperative setting. Includes clinical experiences. Prerequisites: NURS 3110W, NURS 3111, NURS 3112, NURS 3213, NURS 3118, NURS 3119, NURS 3114, NURS 3115, NURS 3116 and NURS 4118.

NURS 4118. Pharmacology II. 2 Credits.
Build on the knowledge from NURS 3118 and apply principles of pharmacology to the nurse's role in the pharmacological management of disease processes. Prerequisites: NURS 3118, NURS 3119, NURS 3120, NURS 3121, NURS 3122, NURS 3123, NURS 3124, NURS 3125, NURS 4207.

NURS 4119. Patient Safety and Health Care Quality. 3 Credits.
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. Prerequisites: NURS 3114, NURS 3115, NURS 3116 and NURS 4118.

NURS 4121. Nursing Advancement Portfolio. 15 Credits.
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.

NURS 4124. Adult and Geriatric Nursing 2. 5 Credits.
Didactic/clinical course focusing on primary, secondary, and tertiary care in the complex adult and geriatric client. Incorporates the nursing process into the provision of client and family-centered nursing care. Restricted to Students in the BSN program. Prerequisites: NURS 3118, NURS 3119, NURS 3120, NURS 3121, NURS 3122, NURS 3123, NURS 3124, NURS 3125, NURS 4207.

NURS 4125. Maternal and Women's Health Nursing. 3 Credits.
Didactic/clinical course focusing on women's healthcare issues across the life span. The role of family and contemporary issues in women's health. Restricted to students in the bachelor of science in nursing program. Prerequisites: NURS 3118, NURS 3119, NURS 3120, NURS 3121, NURS 3122, NURS 3123, NURS 3124, NURS 3125, NURS 4207.

NURS 4126. Nursing Care of Children and Families. 3 Credits.
Didactic/clinical course focusing on children and their families across primary, secondary, and tertiary care settings. Working in an interprofessional team, students prioritize and provide nursing care in hospital and community-based settings. Restricted to students in the bachelor of science in nursing program. Prerequisites: NURS 3118, NURS 3119, NURS 3120, NURS 3121, NURS 3122, NURS 3123, NURS 3124, NURS 3125, NURS 4207.

NURS 4127. Transition to Professional Nursing Practice. 5 Credits.
Didactic/clinical course designed to prepare students for professional practice. Students critically analyze and apply knowledge and skills learned in the program in a precepted clinical area. Focuses in part on preparation for the NCLEX-RN exam. Restricted to students in the bachelor of science in nursing program. Prerequisites: NURS 3118, NURS 3119, NURS 3120, NURS 3121, NURS 3122, NURS 3123, NURS 3124, NURS 3125, NURS 4118, NURS 4124, NURS 4125, NURS 4126, NURS 4207.

NURS 4203. Dynamics of Nursing Leadership and Management. 3 Credits.
Introduction to concepts of nursing leadership and management, showcasing the importance of each, while noting the crucial differences between them.

NURS 4205. Nurse's Role in Health Care Policy. 3 Credits.
Framework for understanding the social, political, economic, and population based dimensions of U.S. health care policy using the "triad" of quality, access, and cost.

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. Restricted to BSN students. Prerequisites: NURS 3110W, NURS 3111, NURS 3112, NURS 3212, NURS 3114, NURS 3115, NURS 3116, NURS 3117, NURS 3118, NURS 3119, NURS 3213, NURS 4116, NURS 4117, NURS 4118, NURS 4119, and NURS 6203.
NURS 4417. Community and Public Health Nursing. 3 Credits.
Roles and responsibilities of nurses in community and population-based health. Concepts of community, public health, and health policy affecting culturally diverse and vulnerable populations locally, nationally, and globally. Identifying community health needs and appropriate primary, secondary, and tertiary prevention strategies. 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 Hispanoamericana 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.

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 6006. Clinical Experience in Maribor, Slovenia. 0 Credits.
In collaboration with the University of Maribor in Slovenia, GW students work with community health care workers to deliver basic nursing care to selected populations in the community. Students have opportunities to research selected health problems and their impact on the health of individuals and communities in Maribor.

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 AGPCNP 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 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 with a focus on common/chronic problems across the life span. Prerequisites: 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 I: 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.
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. Same As: HSCI 6241.

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 Life Span. 3 Credits.
Theoretical and conceptual models related to the developmental and functional processes within family systems, therapy groups, and psychoeducation groups; PMHNPs scope of practice as it relates to conducting family and group psychotherapy. 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 Life Span. 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. Prerequisites: NURS 6242 and NURS 6245.

NURS 6247. Population-Based Psychiatric/Mental Health Advanced Practice Nursing Across the Life Span. 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.
Clinical practicum. Students develop competency in the psychiatric-mental health nurse practitioner role; integration of foundational knowledge from coursework to provide safe and competent behavioral healthcare to individuals across the lifespan. Prerequisites: 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 6263. Teaching and Learning in Health Care. 3 Credits.
Application of instructional design methods to develop, deliver, and evaluate academic and professional health care curricula and education.

NURS 6264. Advancing Health Care Quality and Patient Safety. 3 Credits.
Application of the science of quality improvement, measurement and patient safety theories, models, methods, and tools to improve health care outcomes, cost and the patient and family experience of care in any health care setting.

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

NURS 6291. Special Topics. 4 Credits.
Topics vary by semester. May be repeated for credit provided the topic differs. Consult the Schedule of Classes for more details.

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 6299. Nurse Practitioner Technology Enhanced Community Health. 0 Credits.
Prepares students to integrate social determinants of health while using telehealth and digital health technologies to improve care for people living in rural and urban underserved communities.

NURS 8400. Epidemiology and Population Health. 3 Credits.
Integration of population and determinants of health with epidemiological principles. Examination and application of biostatistical and epidemiological methods of analysis. Restricted to students in DNP program. Prerequisites: NURS 6208.

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 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 8419. Analytical Methods and Appraisal for Evidence-Based Practice. 3 Credits.
Examination of the merits of common methods and designs for evidence-based practice and practice inquiry. Acquire skills in searching for, critically appraising and grading evidence. Synthesis of research findings to develop practice recommendations. Restricted to students in DNP program. Prerequisites: NURS 6208.

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.
Foundational content related to the conduct of research, including research ethics, data management, and modes of new knowledge dissemination. Ethical and other influences that impact the development, implementation, and sharing of discovery science.

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 8446. Qualitative Research Design. 3 Credits.
Qualitative methods and designs applicable to translational health science research problems; qualitative epistemology, methods, data collection, and data analysis. Credit cannot be earned for this course and THS 8123.

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 8450. Research Rotation. 2 Credits.
Participatory research experience where students and faculty members interact on research-related activities; data collection, data management, data analysis, table and figure preparation, and abstract development.

NURS 8451. Research Practicum. 3 Credits.
Practical experience in an area designated as necessary for additional content expertise, such as systematic review of the literature, survey development, secondary data acquisition and cleaning, or data collection. Student will conduct preliminary research activities in support of the dissertation research. Restricted to doctoral candidates.

NURS 8452. Team Science and Collaboration. 3 Credits.
Measuring team effectiveness by integrating team science, cross-disciplinary research, and methodology; developing research designs to address complex health science problems; and team science and science of team science approaches to promoting team effectiveness. (Same as THS 8103, HSCI 6285)
NURS 8453. Leadership and Health Policy. 3 Credits.
Introduction to integration of health policy and leadership concepts in the use and analysis of research affecting systems and populations; exploration of social, political, and economic principles and theories as they relate to the incorporation of policy analysis and implementation.

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 8489. DNP Project Scholarly Inquiry. 3 Credits.
Development of scholarly writing skills, exploration of a phenomenon of interest, and development of skills needed for the responsible conduct of translation of research into practice. Students identify a scholarly topic addressing a practice issue. Restricted to students in DNP program.

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.