

NURSING (NURS)

Explanation of Course Numbers

- Courses in the 1000s are primarily introductory undergraduate courses
- Those in the 2000s to 4000s are upper-level undergraduate courses that can also 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 3119. Pathophysiology. 3 Credits.

Pathophysiology and diagnostic assessments of common disease conditions affecting individuals across the lifespan. Restricted to students in the BSN 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 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, NURS 3126.

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 3126.

NURS 3126. Advancing Health Equity through Nursing History and Theory. 2 Credits.

The history of nursing and its development as a profession with influence and authority in the hospital setting and beyond. Emphasis on theoretical concepts and cultivating a healthcare environment that actively champions equity.

NURS 3228. Pharmacology Principles for Nursing Practice. 3 Credits.

Examination of the essential principles of pharmacology in the context of the nurse's role and responsibilities in the pharmacological management of disease processes. Focus on patient safety. Restricted to students in the BSN program. Prerequisites: NURS 3119, NURS 3120, NURS 3121, and NURS 3126.

NURS 4099. Variable Topics. 1-10 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 4105. Disaster Preparedness. 3 Credits.

Nursing disaster competencies guide nurses toward population well-being, including limiting injuries and maintaining community health. Disaster nurse roles, from rapid, effective response to care coordination, requires successful disaster competency. Restricted to students enrolled in the School of Nursing.

NURS 4106. Global Health. 3 Credits.

Students gain an understanding of factors that impact global health and the evidence based, interprofessional approaches needed to address current and future challenges. Restricted to students in the bachelor of science in nursing program.

NURS 4107. Addictions and Treatment. 3 Credits.

A broad overview of principles of addiction and treatment. Topics include health education, risk reduction and the evolving process of treatment, recovery, behavior change, and growth. Restricted to students in the BSN program.

NURS 4108. Telehealth. 3 Credits.

Telehealth technologies and application to nursing practice. Emphasis on technology used, communication, conducting assessments, recognizing barriers in the effective use of telehealth, and advocating for policy change related to telehealth. Restricted to students in BSN program.

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 3119, NURS 3120, NURS 3121, NURS 3126, NURS 3124, NURS 3125, NURS 3228, NURS 4119, NURS 4124, NURS 4125, NURS 4126, and NURS 4207.

NURS 4119. Safety and Quality within Healthcare Delivery Systems. 3 Credits.

The nurse's role in safety and quality principles in healthcare delivery systems to address complex issues. Emphasis on outcomes achieved through collaborative partnerships, technology, quality improvement initiatives, and nursing leadership. Restricted to students in the BSN program.

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 3119, NURS 3120, NURS 3121, NURS 3126, NURS 3124, NURS 3125, NURS 3228, NURS 4207W.

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 3119, NURS 3120, NURS 3121, NURS 3124, NURS 3125, NURS 3126, NURS 3228, NURS 4207W.

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 3119, NURS 3120, NURS 3121, NURS 3124, NURS 3125, NURS 3126, NURS 3228, and NURS 4207W.

NURS 4127. Transition to Professional Nursing Practice. 5 Credits.

Didactic and 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 3119, NURS 3120, NURS 3121, NURS 3124, NURS 3125, NURS 3126, NURS 3228, NURS 4119, NURS 4124, NURS 4125, NURS 4126, and NURS 4207W.

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 4205W. Nurse's Role in Health Care Policy. 3 Credits.

Understanding social, political, economic & population based dimensions of US healthcare policy using quality, access & cost. Includes significant engagement in writing as form of critical inquiry & scholarly expression to satisfy the WID requirement. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement.

NURS 4207W. 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. Restricted to students in the BSN program. Includes a significant engagement in writing as a form of critical inquiry and scholarly expression to satisfy the WID requirement.

NURS 4217. Community and Public Health Nursing. 3 Credits.

Introduction to the principles of community and public health nursing with an emphasis on vulnerable populations. Restricted to BSN students. Prerequisites: NURS 3119, NURS 3120, NURS 3121, NURS 3124, NURS 3125, NURS 3126, NURS 3228, NURS 4119, NURS 4124, NURS 4125, NURS 4126, and NURS 4207W.

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 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 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 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.

Advanced practice nursing students acquire the knowledge, skills, and clinical foundation for advanced health assessment and diagnostic reasoning in the healthcare setting. This course is a prerequisite to all other clinical NURS courses. Prerequisite: NURS 6220 and NURS 6234.

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 6220, NURS 6222, NURS 6230, and NURS 6234.

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 6220, NURS 6222, NURS 6231, and NURS 6234.

NURS 6233. Genetics for Healthcare 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 course. Scientific underpinnings and practical management of complex acute and chronic conditions across spectrum of care delivery from subacute rehabilitation, to urgent care, emergency dept, 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 Healthcare Enterprise. 3 Credits.

Overview of general management business principles related to healthcare systems. Strategic management of patient-centered care delivery and strategic healthcare 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 Life Span. 3 Credits.

Theoretical and conceptual models related to the developmental and functional processes within family systems, therapy groups, and psychoeducation groups; PMHNP's scope of practice as it relates to conducting family and group psychotherapy. Prerequisites: NURS 6242 and NURS 6245. Corequisite: NURS 6246.

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 supervision of preceptors and faculty. A minimum of 120 clinical hours are required. Prerequisites: NURS 6220, NURS 6222, and NURS 6234. Corequisite: NURS 6245.

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. Corequisite: NURS 6244.

NURS 6247. Population-Based Psychiatric/Mental Health Advanced Practice Nursing Across the Life Span. 3 Credits.

Clinical practicum designed to build psychiatric-mental health NP skills in a variety of clinical settings. 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, 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. Corequisites: NURS 6243. 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 6203, NURS 6205, NURS 6207, NURS 6208, NURS 6262, and NURS 8402.

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 6265. Advanced Pathophysiology, Pharmacology, and Physical Exam of Complex Adult and Geriatric Patients. 3 Credits.

System-focused physiology and pathophysiology, pharmacology, and health assessment. Analysis of health deviations found in the complex adult and elderly population. Restricted to students in the School of Nursing.

NURS 6266. Geropsychiatric Considerations for Providers Caring for the Complex Adult and Geriatric Population. 3 Credits.

Examination of the psychiatric conditions commonly seen when caring for the complex adult and geriatric population. Treatment, management, and special considerations are presented. Restricted to students in the School of Nursing. Prerequisites: NURS 6265.

NURS 6267. Managing the Complex Adult and Geriatric in Long-Term Care. 3 Credits.

Provides a multidisciplinary background and science for healthcare quality management in long-term care. Restricted to students in the School of Nursing. Prerequisites: NURS 6265.

NURS 6268. Population Health and the Complex Adult and Geriatric Population. 3 Credits.

Students integrate and synthesize concepts associated with quality, health promotion, disease prevention, chronic health problems, and social determinants of health, specifically in the complex adult and geriatric population. Restricted to students in the School of Nursing.

NURS 6274. Health Economics and Finance. 3 Credits.

Health care economics, finance, and policy for effective management in a complex health care environment.

NURS 6276. Foundations of Palliative Care. 3 Credits.

Explores the serious illness and/or end-of-life experience for individuals and their families. Theory, philosophy, evidence base, standards of care, and interdisciplinary aspects of a comprehensive and compassionate healthcare system. Restricted to students in the School of Nursing.

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 6297. Independent Study. 1-9 Credits.**NURS 6310. Midwifery Professional Role Development. 1 Credit.**

Students appraise the midwifery profession including its history, leaders, standards, Code of Ethics, and model of care and how professional midwifery practices contributes to high quality and equitable health outcomes. Restricted to students in the nurse midwifery program.

NURS 6311. Midwifery Management I: Primary and Gynecologic Care. 3 Credits.

Students analyze evidence, theories, models, and standards to develop midwifery care for the primary and reproductive health of women from adolescence through the lifespan, using the midwifery management process. Restricted to students in the nurse-midwifery program. Prerequisites: NURS 6222 and NURS 6234. Corequisites: Students use the midwifery management process to analyze evidence, theories, models, and standards to develop midwifery care for the primary and reproductive health of women from adolescence through the lifespan.

NURS 6312. Midwifery Management II: Pregnancy Care. 3 Credits.

Students analyze evidence theories, models and professional standards to develop midwifery care for patients during pregnancy. Restricted to students in the nurse midwifery program. Prerequisites: NURS 6222 and NURS 6234.

NURS 6313. Midwifery Management III: Labor and Birth Care. 3 Credits.

Students analyze evidence, theories, models, and professional standards to develop midwifery care for patients during labor and birth care. Restricted to students in the nurse midwifery program. Prerequisites: NURS 6222, NURS 6312, and NURS 6234.

NURS 6314. Midwifery Management IV: Postpartum and Newborn Care. 3 Credits.

Students analyze evidence, theories, models, and professional standards to develop midwifery care for postpartum patients and their newborns. Restricted to students in the nurse-midwifery program. Prerequisites: NURS 6222, NURS 6312, and NURS 6234.

NURS 6320. Midwifery Professional Role Integration. 1 Credit.

Students develop their professional identity as a midwife, including integration of professional standards, self-reflection, lifelong learning, and resilience. Restricted to students in the nurse-midwifery program. Prerequisites: NURS 6311, NURS 6312, NURS 6313, and NURS 6314.

NURS 6321. Application of Midwifery Model of Care I. 7 Credits.

Students apply midwifery knowledge and skills to deliver high quality, evidence-based, family-centered care to women across the life span and across the reproductive continuum by effectively using the midwifery management process. Restricted to students in the nurse-midwifery program. Prerequisites: NURS 6311, NURS 6312, NURS 6313, and NURS 6314.

NURS 6322. Application of Midwifery Model of Care II. 7 Credits.

Students integrate midwifery knowledge and skills to deliver high quality, evidence-based, family-centered care to women across the life span and across the reproductive continuum by effectively applying the midwifery management process. Restricted to students in the nurse-midwifery program. Prerequisites: NURS 6321.

NURS 8351. Healthcare Informatics. 3 Credits.

Evaluation and integration of informatics and healthcare technology to optimize communication, clinical decision making, patient engagement and delivery of safe, high-quality, equitable healthcare based on ethical, legal, and professional standards. Restricted to School of Nursing students.

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. Healthcare Quality Improvement. 3 Credits.

Multidisciplinary background for the science of healthcare quality management; concepts, principles, and philosophy of quality improvement.

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 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. Healthcare 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 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 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 8430. Determinants of Health. 3 Credits.

Determinants of health in the United States. Structural factors that promote and impede health and health equity explored through an ecological lens. Examination of research and implementation science to address the determinants of health.

NURS 8439. Data Management and Analytics. 3 Credits.

Proficiency in secondary data research is enhanced by fostering mastery in data management, analytical methodologies, academic dissemination, and participation in the scholarly peer review process. Restricted to students in the PhD in nursing program. Prerequisites: NURS 8441, NURS 8442, NURS 8445, and NURS 8450.

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 Healthcare Research I. 3 Credits.

Intermediate-level statistics applicable to the analysis of healthcare data.

NURS 8442. Statistics for Healthcare Research II. 3 Credits.

Advanced statistical methods commonly used in healthcare research. Analysis and interpretation of healthcare data using a variety of statistical techniques.

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 Methods. 3 Credits.

Overview of qualitative research methodologies and application of key inquiry frameworks, data collection, analysis and interpretation techniques.

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.**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 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. 1-5 Credits.

Culminating research experience for students in the PhD in nursing program. Following defense of dissertation proposal, students design and implement a research study, analyze data, and interpret and contextualize findings. Restricted to PhD students in the School of Nursing.

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.**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.