

Course Descriptions

DNP Core Practice Competency Courses (required for both the post-baccalaureate post-master's options)

EPID 400 Principles of Epidemiology

3 hours. Introduction to descriptive and analytic epidemiology, determinants of health and disease in populations, and application of epidemiologic methods to disease control; includes use of basic epidemiologic software. *Prerequisite(s):* Credit or concurrent registration in BSTT 400 or consent of the instructor. Enrollment restricted to public health students; other graduate, professional, and advanced undergraduate students admitted by consent as space permits. To obtain consent, see the SPH registrar.

EPID 403 Introduction to Epidemiology: Principles and Methods

3 hours. Introduction to descriptive and analytic epidemiology, and determinants of health and disease in populations. Measures of occurrence, association and statistical testing will be addressed, along with study designs, bias and confounding. *Prerequisite(s):* Credit or concurrent registration in BSTT 400 and graduate or professional standing; or consent of the instructor.

BHIS 510 Health Care Information Systems *

4 hours. Examination, through case studies, group and class discussions, and problem-based learning, of the effective utilization of information technology applications currently in place and on the horizon in health care organizations. Taught online only. A UIC netid is required. *Prerequisite(s):* Graduate standing and consent of the instructor.

* Not required for students in the Executive Nursing Leadership concentration.

NURS 550 Evidence-Based Practice

3 hours. Application of evidence-based practice to healthcare delivery systems and clinical issues. Emphasizes the integration of retrieved evidence with client preferences in order to design and evaluate best practices. *Prerequisite(s):* NURS 527 or the equivalent.

NURS 551 Promoting Health: Translating Science to Practice

3 hours. Examine theories/models of health promotion, disease prevention, and teaching/learning for their application to direct care and systems-focused nursing practice. *Prerequisite(s):* Credit or concurrent registration in NURS 550.

NURS 552 Advanced Nursing Leadership Concepts

3 hours. Emphasizes leadership in direct care and systems-focused advanced nursing practice roles. Focuses on synthesis of theoretical leadership concepts with personal/professional values and working with multiple disciplines and multiple constituencies. *Prerequisite(s):* Credit or concurrent registration in NURS 528 or the equivalent.

NUSP 502 Strategic Planning and Outcomes Evaluation for Clinical Programs *
3 hours. Analysis of trends and issues affecting health care systems in the context of planning appropriate strategies for the development and growth of clinical programs and services.

* Not required for students in the Advanced Community Health Nurse, Occupational Health/Advanced Community Nurse, or Executive Nursing Leadership concentrations.

NUSP 503 Financial Resource Management for Nursing Decision Makers *
3 hours. Provide the clinical decision maker with state of the art tools to plan, implement, and evaluate the financial viability of health care programs and initiatives.
Prerequisite(s): Knowledge of Excel is required.

* Not required for students in the Executive Nursing Leadership concentration.

DNP Synthesis Project and Residency (required for both the post-baccalaureate and post-master's options)

NURS 560 Synthesis Project Development

1 TO 4 hours. Students design a doctoral nursing practice project related to an aggregate of individuals/selected population of interest. Satisfactory/Unsatisfactory grading only. May be repeated. *Prerequisite(s):* Consent of the instructor.

NURS 561 Synthesis Project Implementation

1 TO 4 hours. Students implement a doctoral nursing practice project related to an aggregate of individuals/selected population of interest. Satisfactory/Unsatisfactory grading only. May be repeated. *Prerequisite(s):* NURS 560 and consent of the instructor.

NURS 562 Synthesis Project Evaluation and Dissemination

1 TO 4 hours. Students analyze and disseminate findings from the doctoral nursing practice project. Satisfactory/Unsatisfactory grading only. May be repeated. *Prerequisite(s):* NURS 561 and consent of the instructor.

NUPR 582 DNP Residency I: Direct Care Role

2 TO 4 hours. Individualized residency experience that will expand clinical expertise and specialized knowledge in the selected direct care, advanced nursing practice specialty role. Satisfactory/Unsatisfactory grading only. May be repeated. *Prerequisite(s):* Consent of the instructor.

NUPR 583 DNP Residency II: Direct Care Role

2 TO 4 hours. Individualized residency experience that will facilitate development of systems-level clinical expertise in the selected direct care advanced nursing practice specialty role. Satisfactory/Unsatisfactory grading only. May be repeated. *Prerequisite(s):* NUPR 582 and consent of the instructor.

NUPR 586 DNP Residency I: Systems-Focused Role

2 TO 4 hours. Individualized residency experience that will expand expertise and specialized knowledge in the selected systems-focused advanced nursing practice

specialty role. Satisfactory/Unsatisfactory grading only. May be repeated.
Prerequisite(s): Consent of the instructor.

NUPR 587 DNP Residency II: Systems-Focused Role

2 TO 4 hours. Individualized residency experience that will expand development of systems-level expertise in the selected systems-focused advanced nursing practice specialty role. Satisfactory/Unsatisfactory grading only. May be repeated.
Prerequisite(s): NUPR 586 and consent of the instructor.

Specialty-specific and Role Competency Courses (required for students in the post-baccalaureate option and the Executive Nursing Leadership concentration)

- Students enrolled in one of the following concentrations will complete the degree requirements (with the exception of the master’s project/thesis) for their chosen specialty as outlined on the [master’s degree requirements website](#):

Nurse Practitioner (acute care, adult, adult/geriatric, geriatric, pediatric, women's health, family, mental health, occupational health, school health); Nurse Midwife; Clinical Nurse Specialist (acute care, geriatric, pediatric, perinatal, mental health).

- Students enrolled in the Advanced Community Health Nurse concentration will complete the following specialty-specific courses (see below for course descriptions):

NUSP 504	Healthcare Human Resources Management	3
NUSP 505	Nursing Systems Operations Management	3
NUSP 509	Population-Focused Assessment	3
NUSP 511	Planning and Evaluation for Advanced Nursing Practice	3
EOHS 400	Principles of Environmental Health Sciences	3
NUSP 588	Intermediate Epidemiology for Advanced Nursing Practice	3
NUSP 589	Grant Writing for Health Care Services	3
NUSP 591	Issues in Population Focused Nursing	2
NUPR 592	Practicum in Population Focused Nursing Interventions	2
	Graduate Level Policy Course (to be approved by advisor)	3
	Graduate Level Selectives in area of specialization (possibilities include public health courses in maternal and child health; public health courses in gerontological health)	6
	Graduate Level Electives. Possibilities include: NUSP 501, Administrative Nursing Models; NUEL 580, Health Services and Health Behavior Research: Models and Frameworks; courses from the Teaching/Learning certificate/sequence	7

- Students enrolled in the Occupational Health/Advanced Community Health Nurse concentration will complete the following specialty-specific courses (see below for course descriptions):

NUSP 505	Nursing Systems Operations Management	3
NUSP 509	Population-Focused Assessment	3
NUSP 511	Planning and Evaluation for Advanced Nursing Practice	3
NUSP 514	Occupational Health Nursing	2
NUSP 588	Intermediate Epidemiology for Advanced Nursing Practice	3
NUSP 589	Grant Writing for Health Care Services	3
NUSP 591	Issues in Population Focused Nursing	2

NUPR 592	Practicum in Population Focused Nursing Interventions	2
EOHS 421	Fundamentals of Industrial Hygiene	2
EOHS 455	Environmental and Occupational Toxicology	3
EOHS 482	Occupational Safety Science	2
EOHS 551	Occupational Diseases	4
	Graduate Level Electives. Possibilities include NUSP 501, Administrative Nursing Models; NUEL 580, Health Services and Health Behavior Research: Models and Frameworks; courses from the Teaching/Learning certificate/sequence	9

NUSP 504 Healthcare Human Resources Management

3 hours. Focuses on the development of a strategic human resource plan to support the mission of the health care organization. Current human resources management and organizational performance research findings are explored.

NUSP 505 Nursing Systems Operations Management

3 hours. Nursing systems operations management of health services. Examines the managerial role at individual, program, work unit, department, and organizational levels. Includes focus on interaction of the organization and environment.

NUSP 509 Population-Focused Assessment

3 hours. Explores population-focused assessment in community and integrated healthcare systems emphasizing the application of assessment models used in health service delivery and market analysis. *Prerequisite(s):* Credit or concurrent registration in EPID 400.

NUSP 511 Planning and Evaluation for Advanced Nursing Practice

3 hours. Explores strategic and program planning applications. Focuses on evaluation as a measurement of quality, performance, and impact of health services. Emphasizes interdisciplinary perspective and addresses integrated quality improvement systems. *Prerequisite(s):* NUSP 509.

NUSP 514 Occupational Health Nursing

2 hours. Theoretical bases for application of public health nursing practice to working populations in occupational settings.

NUSP 588 Intermediate Epidemiology for Advanced Nursing Practice

3 hours. Provides intermediate level knowledge and skills in epidemiology for nurses and other public health practitioners. Addresses threats to validity and other issues of interpretation of designs. *Prerequisite(s):* EPID 400 or equivalent.

NUSP 599 Grant Writing for Health Care Services

3 hours. Focuses on developing knowledge and application skills needed for successful health service programmatic grant writing. Same as NUSC 559. *Prerequisite(s):* Credit or concurrent registration in NUSP 507 or credit or concurrent registration in NURS 551; and credit or concurrent registration in NUSP 502 or credit or concurrent registration in NUSP 511; or consent of the instructor.

NUSP 591 Issues in Population-Focused Nursing

2 hours. Provides introduction to leadership in population-focused nursing: philosophy, theory, roles, competencies, and interventions.

NUPH 568 Practicum in Population-Focused Nursing Interventions

2 hours. Advanced nursing practice experiences to develop beginning competency in the design and implementation of evidence-based interventions with populations and aggregates. *Prerequisite(s):* Credit or concurrent registration in NURS 551.

EOHS 400 Principles of Environmental Health Sciences

3 hours. Environmental influences on health: population, food, energy; community hygiene and injury control; solid/hazardous wastes, air and water pollution, radiation; industrial hygiene and occupational health. *Prerequisite(s):* Enrollment restricted to public health students; other graduate, professional and advanced undergraduate students admitted by consent as space permits. To obtain consent, see the SPH registrar.

EOHS 421 Fundamentals of Industrial Hygiene

2 hours. Recognition, evaluation, control of chemical, biological, and physical agents in the workplace. Application to preliminary surveys, measurement of exposure, and evaluation of control measures. *Prerequisite(s):* EOHS 400 or consent of the instructor.

EOHS 455 Environmental and Occupational Toxicology

3 hours. General and applied toxicology as it relates to environmental and occupational exposures to hazardous agents. Emphasis on basic principles, specific types of toxicity, and major classes of toxic agents. *Prerequisite(s):* CHEM 232 and CHEM 234 and BIOS 100 or the equivalent courses and senior standing or above or consent of the instructor.

EOHS 482 Occupational Safety Science

2 hours. Principles of occupational safety, safety regulations, accident investigation procedures and engineering, behavioral, and administrative techniques for occupational accident control. *Prerequisite(s):* EOHS 421 or consent of the instructor.

EOHS 551 Occupational Diseases

4 hours. Diseases caused by physical, chemical, and biological agents in the workplace: toxicology, epidemiology, pathophysiology, diagnosis, treatment, prevention, high risk populations, early detection.

- Students enrolled in the Executive Nursing Leadership concentration will take the following specialty courses:

NUSP 580 Leadership Reflections: Building a Personal Map

2 hours. Reflective practice experience focuses learners to identify personal leadership styles and develop personal leadership growth plans. *Prerequisite(s):* Admission to the Executive Leadership Concentration of the Doctor of Nursing Practice.

NUSP 581 Collaboration for Strategic Financial Management in Healthcare

3 hours. Builds on basic financial management skills to prepare the learner to

synthesize financial theories and concepts in order to apply knowledge to strategic decision making. *Prerequisite(s)*: NUSP 503 or equivalent.

NUSP 582 Ethical Leadership in Providing Healthcare

2 hours. Provides an opportunity for the student to analyze and critique current ethical issues impacting nurse leaders and formulate a personal ethics code. *Prerequisite(s)*: NURS 528 or the equivalent and credit or concurrent registration in NURS 552.

NUSP 583 Transforming the Healthcare Organization

3 hours. Builds on concepts from strategic management to provide a framework for the learner's synthesis project. Applications include: project management, strategic planning, change management processes applied in a transdisciplinary manner. *Prerequisite(s)*: NUSP 502 or the equivalent and credit or concurrent registration in NURS 552.

NUSP 584 Systems Approach to Healthcare Quality and Safety

3 hours. Focuses on the critical review of current quality and safety guidelines and systems impacting healthcare agencies. *Prerequisite(s)*: NUSP 505 or the equivalent and credit or concurrent registration in NURS 552 and credit or concurrent registration in NUSP 583.

NUSP 585 Seminar in Nursing Executive Leadership

1 TO 3 hours. Specific topics as announced each semester. In-depth study of selected current topics in executive leadership for nurse leaders. May be repeated.