Nursing Doctorate (ND)

Courses

ND A601 Advanced Pathophysiology | 4 Credits
Develops expertise in abnormal physiology building upon basic understanding of pathophysiology. Expands knowledge of normal physiological processes, disease processes, abnormal functioning, genetic influence on disease and clinical manifestations of disease across the lifespan.

Registration Restrictions: Admission to graduate nursing program

ND A601A Genetics and Genomics in Advanced Pathophysiology | 1 Credit
Develops expertise in abnormal physiology building upon students' understanding of pathophysiology. Expands knowledge of genetic influence on disease, inheritance patterns and genetic mutations across the lifespan.

Registration Restrictions: Admission to graduate nursing program

ND A602 Advanced Health Assessment in Primary Care | 4 Credits
Provides a systematic approach to advanced physical assessment and differential diagnoses. Develops advanced skills building on basic assessment knowledge and documentation. Incorporates individual, psychological, sociocultural, developmental, spiritual and genetic components of health.

Registration Restrictions: Admission to graduate nursing program

Prerequisites: ND A601 with a minimum grade of B.

ND A603 Advanced Pathophysiology II | 2 Credits
Increases expertise in abnormal physiology building upon an understanding of basic pathophysiology. Expands knowledge of normal physiological and disease processes, abnormal functioning and clinical manifestations of disease across the lifespan.

Registration Restrictions: Admission to graduate nursing program

ND A610 Pharmacology for Primary Care | 2 Credits
Develops expertise in applied pharmacology, preparing providers to select, prescribe and monitor pharmaceutical agents used in primary and psychiatric care settings to include women's health and pediatrics. Explores pharmacogenetics and pharmacogenomics influences on drug selection.

Registration Restrictions: Admission to graduate nursing program

Prerequisites: ND A601 with a minimum grade of B.

ND A610A Pharmacology for Primary Care: Special Topics | 1 Credit
Develops expertise in applied pharmacology, preparing providers to select, prescribe and monitor pharmaceutical agents used in primary and psychiatric care settings with a focus on pharmacogenetics and pharmacogenomics. Explores health promotion as it pertains to prescribing pharmaceutical agents.

Registration Restrictions: Admission to graduate nursing program

ND A611 Psychopharmacology for Advanced Nursing | 3 Credits
Develops expertise in applied psychopharmacology, preparing providers to select, prescribe and monitor pharmaceutical agents used in primary and psychiatric care settings.

Registration Restrictions: Admission to graduate nursing program

ND A612 Pharmacology for Primary Care II | 3 Credits
Increases expertise in applied pharmacology, preparing providers to select, prescribe and monitor pharmaceutical agents used in primary and psychiatric care settings with emphasis on adults.

Registration Restrictions: Admission to graduate nursing program.

Concurrent registration in either ND A662 or ND A672 recommended.

Prerequisites: ND A610 with a minimum grade of B.

ND A613 Advanced Practice Informatics | 2 Credits
Provides an evidence-based foundation in informatics and technology for advanced practice. Emphasizes evolving technologies, health communications and clinical information systems. Evaluates impact of technology on safety, access to care and quality of health care outcomes.

Registration Restrictions: Admission to graduate nursing program

ND A614 Advanced Practice Ethics and Law | 2 Credits
Provides a foundation in ethics and law for advanced practice. Analyzes ethical theories and principles and their application to decision making in practice. Explores the interface between ethical decision making, legal and regulatory requirements, and their effects on the conduct of research, the influence of technology, and access to care.

Registration Restrictions: Admission to graduate nursing program

ND A615 Health Services Organization and Finance | 4 Credits
Synthesizes organizational theories in the health care context. Develops advanced practice role in complex health care organizations. Plans the design, implementation and evaluation of quality health care practices applying principles of finance, quality outcomes and cost analysis. Implements strategic findings for organizational change, system change and positive population health outcomes.

Registration Restrictions: Admission to graduate nursing program

ND A618 Advanced Nursing Roles and Leadership | 4 Credits
Appraises evolution of advanced nursing roles. Enhances leadership skills to improve health care. Develops collaborative knowledge and practice improvement with an emphasis on population health management.

Registration Restrictions: Admission to graduate nursing program

ND A618A Advanced Nursing Leadership | 2 Credits
Enhances leadership skills of advance practice nurses to guide health care improvement, systems change and safety. Develops collaborative knowledge and practice improvement with an emphasis on population health management.

Registration Restrictions: Admission to graduate nursing program

ND A619 Health Policy and Economics | 4 Credits
Critically appraises policy process. Evaluates current and proposed policies. Compares health system economics with health outcomes. Applies advocacy and leadership strategies to analyze and implement policies to promote positive societal and economic outcomes.

Registration Restrictions: Admission to graduate nursing program

ND A619A Health Economics | 2 Credits
Critically appraises health system economics and explores its impact on health outcomes. Applies advocacy and leadership strategies to analyze and implement policies to promote positive societal and economic outcomes.

Registration Restrictions: Admission to graduate nursing program
ND A621 Knowledge Development for Advanced Nursing Practice 3 Credits
Integrates theory and clinical evidence from nursing and other disciplines to explain and predict human responses to health and illness. Explores multiple paradigms of knowledge development. Critically analyzes and explores translation of theory into knowledge to improve practice, clinical decision making and health.
Registration Restrictions: Admission to graduate nursing program

ND A627 Practice Inquiry I: The Nature of Evidence 3 Credits
Explores the nature of evidence and appraises scholarly evidence-based projects focusing on problems of practice within specific health care populations. Employs research critiques, evidence tables and integrative evidence reviews.
Registration Restrictions: Graduate standing or instructor permission, and grade of C or better in undergraduate research/statistics course within the past five years
Prerequisites: ND A613 with a minimum grade of B and ND A621 with a minimum grade of B.

ND A628 Practice Inquiry II: Design and Methods 3 Credits
Explores advanced research design and methods. Develops acquisition of knowledge and skills appropriate to an advanced evidence-based clinical inquiry project, including conceptual, design and methodological technique.
Registration Restrictions: Graduate standing or instructor permission. Baccalaureate to Doctor of Nursing Practice students must take ND A627 prior to ND A628.

ND A629 Practice Inquiry III: Proposal Development 2 Credits
Operationalizes clinical evidence-based practice project. Refines project to incorporate appropriate conceptual frameworks, designs and methods. Prepares written project proposal to address significant clinical, health policy, leadership or advanced nursing practice problem relevant to stakeholders.
Registration Restrictions: Admission to graduate nursing program
Prerequisites: ND A628 with a minimum grade of B.

ND A633 Statistics for Advanced Practice 3 Credits
Explores bio-statistical methods used in nursing and health care research for clinical decision making, evidence-based practice, and program and policy evaluations. Emphasizes selection of appropriate statistical tests and interpretation and critique of data related to clinical practice and program assessment. Focuses on conceptual understanding rather than mathematical computation.
Registration Restrictions: Admission to graduate nursing program

ND A634 Epidemiology for Advanced Practice 2 Credits
Registration Restrictions: Admission to graduate nursing program
Prerequisites: ND A633 with a minimum grade of B.

ND A637 Data Analysis: Qualitative 1 Credit
Emphasizes qualitative research principles and methods of analysis. Applies qualitative analytic methods to clinical data sets. Focuses on ensuring validity, credibility and dependability. Facilitates interpretation and dissemination of qualitative research study findings.
Registration Restrictions: Admission to graduate nursing program
Prerequisites: ND A628 with a minimum grade of B.

ND A638 Data Analysis: Quantitative 1 Credit
Introduces quantitative data analysis using the Statistical Package for the Social Sciences (SPSS) computer program. Focuses on creating a database, evaluating data for entry errors, exploring data for statistical assumptions and computing descriptive and inferential statistics.
Registration Restrictions: Admission to graduate nursing program
Prerequisites: ND A628 with a minimum grade of B.

ND A660 Family Nurse Practitioner I 4 Credits
Develops advanced skills needed in primary care of pediatric patients and developing families, including advanced history and physical assessment skills for all pediatric age groups. Focuses on acquisition of skills and diagnostic evaluation methods required for management of pediatric patients and families. Explores influence of genetics and genomics on health status.
Registration Restrictions: Acceptance into the family nurse practitioner track of the Doctor of Nursing Practice program. Concurrent enrollment in ND A610 recommended.
Prerequisites: ND A602 with a minimum grade of B and ND A603 with a minimum grade of B.

ND A661 Family Nurse Practitioner II 5 Credits
Develops advanced skills needed in primary care of female patients and their families, including history and physical assessment skills for women's health throughout the lifespan. Clinical focus and experience include acquisition of skills and diagnostic evaluation methods required for management of women's health and obstetric patients. Explores influence of genetics and genomics on women's health status.
Registration Restrictions: Acceptance into the family nurse practitioner track of the Doctor of Nursing Practice program
Prerequisites: ND A660 with a minimum grade of B.

ND A662 Family Nurse Practitioner III 5 Credits
Continues preparation for advanced nursing practice. Concentrates on assessment, diagnosis, evidence-based management or the referral of adult and geriatric clients. Focuses on acute and chronic illnesses in adults but may include care of clients throughout the lifespan. Incorporates influence of genetics and genomics on health status.
Registration Restrictions: Acceptance into the family nurse practitioner track of the Doctor of Nursing Practice program. Concurrent enrollment in ND A612 recommended.
Prerequisites: ND A661 with a minimum grade of B.

ND A663 Family Nurse Practitioner IV 6 Credits
Capstone course in preparation for family nurse practitioner role. Intensive clinical practicum incorporates professional and practice principles into primary care role. Focus includes common procedures and diagnostics as well as the influence of genetics and genomics on health status of clients throughout the lifespan.
Registration Restrictions: Acceptance into the family nurse practitioner track of the Doctor of Nursing Practice program
Prerequisites: ND A662 with a minimum grade of B.
ND A670 Advanced Practice Psychiatric and Mental Health Nursing I 5 Credits
Develops advanced skills needed for the psychiatric mental health nurse practitioner role. Focuses on acquisition of knowledge related to assessment, diagnosis, treatment and evaluation. Emphasizes management of individuals across the lifespan at risk of/for experiencing mental health problems.
**Registration Restrictions:** Graduate standing with acceptance into the psychiatric mental health nursing practice track of the Doctor of Nursing Practice program. Concurrent enrollment in ND A610 recommended.
**Prerequisites:** ND A602 with a minimum grade of B and ND A603 with a minimum grade of B.

ND A671 Advanced Practice Psychiatric and Mental Health Nursing II 5 Credits
Develops, applies and adapts advanced skills for practice as a psychiatric mental health nurse practitioner caring for families and groups. Focuses on acquisition of clinical knowledge and skills for evidence-based practice and promotion of mental health.
**Registration Restrictions:** Graduate standing with acceptance into the psychiatric mental health nursing practice track of the Doctor of Nursing Practice program
**Prerequisites:** ND A670 with a minimum grade of B.

ND A672 Advanced Practice Psychiatric and Mental Health Nursing III 5 Credits
Introduces the consultant/liaison role in organizational settings. Analyzes organizational approaches to plan, implement and evaluate population-focused mental health services. Identifies and evaluates fiscal and social policies, community resources, and research findings.
**Registration Restrictions:** Graduate standing with acceptance into the psychiatric mental health nursing practice track of the Doctor of Nursing Practice program. Concurrent enrollment in ND A612 recommended.
**Prerequisites:** ND A671 with a minimum grade of B.

ND A673 Advanced Practice Psychiatric and Mental Health Nursing IV 5 Credits
Capstone course in preparation for psychiatric mental health practitioner role. Intensive clinical practicum provides context for integration, synthesis and application of theory, research and clinical findings to facilitate mental and functional well-being in individuals, families and groups throughout the lifespan. Includes seminar to explore advance practice issues.
**Registration Restrictions:** Graduate standing with acceptance into the psychiatric mental health nursing practice track of the Doctor of Nursing Practice program
**Prerequisites:** ND A672 with a minimum grade of B.

ND A684 Clinical Concentration 2-4 Credits
Provides final integration of advanced practice skills and evidence-based knowledge in a practice environment of interest to the student. May include focused project implementation.
**Special Note:** May be repeated for a maximum of 4 credits.
**Registration Restrictions:** Admission to Doctor of Nursing Practice

ND A696A Practice Inquiry IV A: Capstone Project 2 Credits
Develops evidence-based practice project in a clinical setting reflecting a topic of current concern within the specialty.
**Registration Restrictions:** Admission to Doctor of Nursing Practice

ND A696B Practice Inquiry IV B: Capstone Project 2 Credits
Implements evidence-based practice project in a clinical setting reflecting a topic of current concern within the specialty.
**Registration Restrictions:** Admission to Doctor of Nursing Practice
**Prerequisites:** ND A696A with a minimum grade of B.

ND A696C Practice Inquiry IV C: Capstone Project 2 Credits
Collects and analyzes data for evidence-based practice project to generate findings and conclusions related to clinical practice. Defends capstone project and disseminates findings.
**Registration Restrictions:** Admission to Doctor of Nursing Practice
**Prerequisites:** ND A696B with a minimum grade of B.