

# NUR - NURSING

## **NUR 2010 Health Assessment: History Taking and Physical Examination Cr. 3**

Foundational learning experiences for understanding and performing the health assessment of the individual; includes systematic history-taking and physical examination. Holistic health assessment from health promotional, cultural, nutritional, mental health, and developmental perspectives. Assessment approaches of various nurse theorists. Offered Fall.

## **NUR 2030 Pathophysiology Related to Nursing Practice Cr. 3**

Exploration of processes by which disease occurs, body responses, and effects of diseases on normal physiology. Diseases explored in terms of definition, diagnosis, etiology, epidemiology, clinical manifestations, cultural and socioeconomic factors, and contemporary research. Offered Fall.

## **NUR 2050 Supportive Measures for Basic Care Needs Cr. 5**

Supportive nursing care strategies for individuals in the context of family and community. Emphasis on scientific basis of supportive care, critical thinking and nursing process, development of basic nursing care skills, therapeutic communication, and understanding of cultural context. Offered Fall, Winter.

**Prerequisites:** (May be taken concurrently: [NUR 2010 with a minimum grade of C]) AND (May be taken concurrently: [NUR 2020 with a minimum grade of C])

**Course Material Fees:** \$85

## **NUR 2060 Nursing Implications of Drug Administration Cr. 3**

Concepts of pharmacotherapeutics across the life cycle: theories of drug actions mediating physiological processes, variables affecting drug actions, and unusual and adverse reactions. Development of nursing role incorporating principles of safe, therapeutic, legal, and ethical principles. Psychological and cultural variations addressed. Contemporary research explored. Pharmacological math competency required. Offered Fall.

**Prerequisite:** BIO 2870 with a minimum grade of C

## **NUR 2070 Professional Nursing in the Future: Strategies for Health Promotion Cr. 3**

Preparation for professional practice; emphasis on developing knowledge and skills for health promotion within the context of groups and the community. Impact of nursing theories and research on practice, directed toward health promotion issues. Strategies for health promotion; focus on group process and teaching/learning. Offered Fall.

**Restriction(s):** Enrollment is limited to Undergraduate level students; enrollment limited to students in the College of Nursing.

## **NUR 2995 Special Topics in Foundations of Professional Nursing Cr. 3**

Characteristics of nursing as a profession: ethical, legal, and professional governing structures; foundation for effective communication and documentation. Nursing process as it applies to health promotion; problem-based care in the health care arena. The phenomenon of health as experienced by individuals across the lifespan in family, group, and community. Offered Fall.

**Prerequisite:** PSY 2400 with a minimum grade of C-

**Restriction(s):** Enrollment limited to students in the College of Nursing.

## **NUR 3005 Integrated Pathophysiology and Pharmacology for Nursing Practice: Advanced Concepts Cr. 4**

Alterations in normal physiological functioning that occur as a result of a disease process and integrates concepts of pharmacological mechanisms employed as therapy. Current theories of pathophysiological mechanisms are discussed in-depth. Theories of drug actions, physiological processes mediating drug actions, variables affecting drug actions, and beneficial, unusual and adverse drug therapy responses are also examined. Offered Fall, Spring/Summer.

## **NUR 3010 Restorative Care of Adults and Elders with Acute Illness Cr. 5**

Theory and practice in providing nursing care to adults throughout the lifespan experiencing acute disruptions in living patterns within the context of their families and in a community-based systems of health care. Emphasis on practice within a theoretical framework using research-based interventions. Offered Fall, Winter.

**Prerequisite:** NUR 2050 with a minimum grade of C- and NFS 3230 with a minimum grade of C-

## **NUR 3015 Restorative Care: Psychiatric Mental Health Nursing Across the Lifespan Cr. 5**

Nursing care to individuals experiencing emotional crises and/or acute chronic psychiatric illnesses within the context of their families and communities. Biosocial theories of mental health and illness, determinants of mental illness; cultural and socioeconomic factors and psychotherapeutic modalities. Public and private systems of care for mental health promotion, restoration, and rehabilitation. Offered Fall, Winter.

**Prerequisite:** NUR 2050 with a minimum grade of C-

**Restriction(s):** Enrollment limited to students with a class of Junior or Senior.

## **NUR 3020 Restorative Care of Adults and Elders with Chronic Illness Cr. 5**

Theory and practice in providing nursing care to adults throughout the adult lifespan experiencing chronic disruptions in living patterns within the context of their families in a community based system of healthcare. Offered Winter, Spring/Summer.

**Prerequisite:** NUR 3010 with a minimum grade of C-

## **NUR 3400 Introduction to Nursing Research Cr. 2**

Introduction to the research process and research utilization in nursing practice. Research problems, access and retrieval of research literature and databases, reading and critiquing research studies, and individual and organizational strategies to promote research-based practice. Offered Winter, Spring/Summer.

**Prerequisite:** NUR 2050 with a minimum grade of C-

## **NUR 3405 Introduction to Nursing Research and Evidence-Based Practice: RN-BSN Cr. 3**

Introduction to basic concepts and methods of research. The course provides basic information about nursing research problems, principles of evidence-based nursing research, access and retrieval of research literature and databases, reading and critiquing research reports, ethical issues related to research, and individual strategies and organizational mechanisms to promote research-based practice. The research process is examined as a foundation for critical thinking and scholarship. Offered Fall.

**NUR 4010 Integrative Care of Children and Their Families Cr. 5**

Theory and practice in care of children in various states of health in the context of their families. Emphasis on knowledge of age-appropriate normal biological, physical, psychosocial, cognitive, moral, spiritual, and social development as a basis for implementing health promotion, supportive, and restorative practices with children of all ages in the context of their families in community-based systems of health care. Offered Fall, Spring/Summer.

**Prerequisite:** NUR 2050 with a minimum grade of C-

**Restriction(s):** Enrollment limited to students with a class of Senior.

**NUR 4020 Integrative Care of the Perinatal Family Cr. 5**

Theory and practice in care of the perinatal family: woman, fetus, newborn, and other members from preconception to postpartum and newborn in the first month of life. Emphasis on integrative care: health assessment, risk assessment, health promotion, supportive and restorative care of the woman and the family. Exploration of ethical and consumer movement effects on prenatal care. Offered Fall, Spring/Summer.

**Prerequisite:** NUR 2050 with a minimum grade of C-

**Restriction(s):** Enrollment limited to students with a class of Senior.

**NUR 4040 Leadership and Management in Nursing Practice Cr. 4**

Theory and skill development in leadership processes in nursing practice. Assessment of a health care system, analysis of nurses' roles, organizational design systems theory, leadership and management theory, culture, decision-making, delegation, conflict management, and planned change. Offered Fall.

**NUR 4050 Theory of Caring for Complex, Critically Ill Patients Cr. 3**

An opportunity for the student to integrate knowledge of anatomy, physiology, pathophysiology and pharmacology in the care of patients with complex acute illnesses. Fosters the advancement of critical reasoning, clinical knowledge, and clinical judgment through case studies, lecture and group discussions. Offered Fall, Winter.

**NUR 4060 Synthesis of Core Nursing Knowledge Cr. 5**

Precepted, integrative clinical immersion course that integrates the knowledge of ethics, standards, and expectations of professional nursing roles with an emphasis on critical thinking. The student will have an opportunity to synthesize foundational concepts and master competencies and skills of the advanced beginner in professional nursing. The focus is on integration of professional nursing behaviors within a complex organizational environment, and synthesis of core nursing knowledge. Offered Fall, Winter.

**Prerequisites:** (May be taken concurrently: [NUR 4040]) AND (May be taken concurrently: [NUR 4120]) AND (May be taken concurrently: [NUR 4050])

**NUR 4120 Community Focused Nursing Practice Cr. 5**

Analysis of role of professional nurse in community settings: caring for individuals and groups from diverse cultural backgrounds at various developmental stages and at any point on the health-illness continuum. Offered Every Term.

**Restriction(s):** Enrollment limited to students with a class of Senior.

**NUR 4300 Nursing Informatics Cr. 3**

Opportunity for nursing students or registered nurses to develop knowledge and skills in nursing informatics. Offered Fall, Spring/Summer.

**NUR 4505 Professional Nursing in the Future: Current Issues for Professional Practice RN-BSN Cr. 3**

Examination and discussion of issues related to professional nursing practice (RN to BSN). The current professional practice of nurses transitioning to a BSN encompasses a role change and exposure to political processes (micro to national issues), bioethical issues in U.S. health care, and educational pathways in nursing and related policy implications, the importance of interprofessional education for nurses, and the various levels of legal responsibility for the practicing professional nurses. These discussions will assist the new graduate in becoming an informed and politically active professional, an ethically sound provider and consumer of health care services, as well as an informed citizen capable of providing leadership to those who are not health care professionals. Offered Fall.

**NUR 4600 Gerontological Nursing Perspectives in Health and Illness Cr. 3**

Knowledge from the fields of gerontology and geriatrics used to enhance the student's nursing perspective when providing nursing care to meet the complex health care needs of healthy and frail older adults and their families. As students learn about the physical and psychosocial problems encountered with aging, they will be engaged in discussions about the contributions that can be brought forth from nursing and multiple disciplines to enhance the health of older adults. Offered Winter.

**NUR 4800 (FC) Transcultural Health Through the Life Cycle Cr. 3**

Transcultural health differences and similarities in selected Western and non-Western cultures, from birth through old age. Use of theories and research methods from the health and social sciences and humanities in study and analysis of different cultures. Offered Fall, Spring/Summer.

**Restriction(s):** Enrollment limited to students with a class of Junior or Senior.

**NUR 4990 Directed Study Cr. 1-4**

Offered Every Term.

**Restriction(s):** Enrollment limited to students in the College of Nursing.

**NUR 5993 (WI) Writing Intensive Course in Nursing Cr. 0**

Successful completion of this course satisfies the University's General Education Writing Intensive Course requirement. Prior to graduation, all students must demonstrate the ability to communicate effectively with specialized or professional audiences by successfully completing the writing requirements. Students must be able to analyze, synthesize, and evaluate current information from literature on their topical area. Offered for undergraduate credit only. Offered Every Term.

**Prerequisites:** (((AA) Exempt from Gen Ed MACRAO with a test score minimum of 100) OR [(BA) Competencies Waiver with a test score minimum of 100])

**Restriction(s):** Enrollment is limited to Undergraduate level students.

**NUR 6510 Health Economics, Policy, and Professional Issues for APNs Cr. 3**

Examination of the major health policy and professional issues relevant to the advanced-practice nurse. Students will be assisted in the synthesis of theoretical and pragmatic aspects of issues of concern in order to develop confidence in their skills and establish an APN practice. Offered for graduate credit only. Offered Winter.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7000 Statistics in Nursing Cr. 3**

Introduction to statistical analysis in nursing research. Topics include: levels of measurement, statistical inference, selected descriptive and inferential statistics for parametric and nonparametric conditions, and selected statistics used to summarize results from multiple studies (i.e., meta-analytic statistics). Offered Spring/Summer.

**Prerequisite:** NUR 3400 with a minimum grade of C-

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7015 Research for Evidence-Based Nursing I Cr. 4**

Identification, review, and evaluation of existing research and other relevant evidence for application in nursing. Application of basic research knowledge and research utilization principles to begin synthesizing the adequacy of the evidence for application in nursing. Offered Fall, Winter.

**Restriction(s):** Enrollment limited to students in the MS in Nursing program; enrollment is limited to Graduate level students.

**NUR 7018 Research for Evidence-Based Nursing II Cr. 3**

Continuation of NUR 7015. Designed to advance the understanding of evidence-based nursing and to advance the ability to synthesize existing evidence in a nursing area. Based on this synthesis, students will be able to develop evidence-based nursing protocols/guidelines, or proposals for obtaining additional evidence if current evidence is insufficient. Offered Winter, Spring/Summer.

**Prerequisite:** NUR 7015 with a minimum grade of C

**Restriction(s):** Enrollment limited to students in the MS in Nursing program; enrollment is limited to Graduate level students.

**NUR 7025 Community Based Participatory Research Cr. 3**

Explores common issues and methods involved in conducting community based participatory research (CBPR). Students engage in building the necessary skills and learn how to collaborate across interdisciplinary perspectives to engage in research that leads to community change, the improvement of public health, and enhances the quality of life. Offered Fall.

**Restriction(s):** Enrollment is limited to students with a major in Adv Public Health Nurse; enrollment is limited to Graduate level students.

**NUR 7030 Advanced Nursing Assessment Cr. 4**

Development of advanced physical psychosocial assessment skills. Development of critical thinking skills in relation to differential diagnosis (medical and nursing) that are required in the performance of advanced nursing practice. Offered Spring/Summer.

**Prerequisite:** PTH 7500 with a minimum grade of C and NUR 7555 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**Course Material Fees:** \$100

**NUR 7035 Family Centered Health Promotion and Risk-reduction Cr. 3**

The purpose of this course is to facilitate student's understanding and application of family systems approach to the theoretical foundation for health promotion and risk reduction across the lifespan. The emphasis is on family theory, health promotion theories and research to promote and preserve wellness lifestyles in client populations using epidemiological principles, disease risk appraisal and reduction and other tools. Offered Winter, Spring/Summer.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7040 Comprehensive Community Assessment Cr. 5**

Provides opportunities for students to develop knowledge and skills essential to conducting comprehensive community assessments. Students engage with interprofessional team members, community agencies, and diverse populations to conduct a comprehensive assessment. Offered Winter.

**Restriction(s):** Enrollment is limited to students with a major in Adv Public Health Nurse; enrollment is limited to Graduate level students.

**NUR 7055 Health Promotion and Prevention with Diverse Populations Cr. 5**

Focuses on the development of advanced public health nursing knowledge and collaborative practice skills essential to integrating theoretical frameworks, comprehensive community assessments, and diverse perspectives when designing and implementing health promotion and prevention programs. Offered Spring/Summer.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7065 Program Planning, Quality Improvement and Evaluation Residency Cr. 5**

Focuses on the development of knowledge, skills and leadership strategies essential for advanced public health nurses to transform complex systems, and to improve the health of communities and diverse populations. The course emphasizes the application of concepts and theories germane to planning, improving, and evaluating health programs to advance public health, and enhance quality of life. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7105 Theoretical Foundations for Nursing Cr. 3**

Theory course: foundations for nurses in practice and leadership roles. Discussion of diverse perspectives that influence knowledge development in nursing, including, systems, communication, developmental, health promotion, stress and coping theories. Offered Every Term.

**Restriction(s):** Enrollment limited to students in the MS in Nursing program; enrollment is limited to Graduate level students.

**NUR 7130 APN: Management of Oncology, Mental Health, and Lifestyle Change Cr. 6**

Development of clinical expertise required to co-manage the care of persons with illness trajectories related to oncology, hematology, mental health and wound management. Offered Winter.

**Prerequisite:** NUR 7030 with a minimum grade of B and PTH 7500 with a minimum grade of B and NUR 7555 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7140 APN: Management of Cardiopulmonary and Renal Problems Cr. 6**

Development of clinical nursing expertise required to co-manage the care of persons with illness trajectories related to pulmonary, cardiovascular and renal systems. Offered Winter.

**Prerequisite:** NUR 7030 with a minimum grade of B and NUR 7555 with a minimum grade of C and PTH 7500 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7155 Primary Prevention Strategies Cr. 8**

Synthesis of theoretical, scientific, and clinical knowledge to support health promotion, health protection, and disease prevention advanced practice in Adult-Gerontology Primary Care Nursing. Offered Fall.

**Prerequisites:** ((NUR 7030 with a minimum grade of C)) AND ((NUR 7555 with a minimum grade of C)) AND ((NUR 7890 with a minimum grade of C))

**Restriction(s):** Enrollment limited to students in the MS in Nursing program; enrollment is limited to Graduate level students.

**NUR 7165 Clinical Decision Making in Adult-Gerontology Cr. 8**

Critical thinking and analysis of managerial decisions in primary care of adults and older adults. Offered Winter.

**Prerequisite:** NUR 7155 with a minimum grade of B and PTH 7500 with a minimum grade of C and NUR 7555 with a minimum grade of C

**Restriction(s):** Enrollment limited to students in the MS in Nursing program; enrollment is limited to Graduate level students.

**NUR 7175 Adult-Gerontology Primary Care Management and Evaluation Cr. 8**

Synthesis of community-based adult-gerontology primary care nursing within the framework of evaluation. Offered Fall, Winter.

**Prerequisite:** NUR 7165 with a minimum grade of B and PTH 7500 with a minimum grade of C and NUR 7555 with a minimum grade of C

**Restriction(s):** Enrollment limited to students in the MS in Nursing program; enrollment is limited to Graduate level students.

**NUR 7200 Advanced Neonatal Pharmacology Cr. 3**

Basic concepts of pharmacology; application and integration of content to advanced practice nursing with high-risk neonate. Offered Spring/Summer.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7203 Advanced Neonatal Physiology and Pathophysiology Cr. 3**

Basic concepts of developmental physiology; application and integration of content into advanced practice nursing with the high-risk neonate. Offered Fall, Spring/Summer.

**Restriction(s):** Enrollment is limited to students with a major in Adv Prct Nur Wmn, Neonates&Chld or Neonatal Nurse Practitioner; enrollment limited to students in the MS in Nursing program; enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7207 Advanced Pediatric Pharmacology Cr. 3**

Preparation of advanced practice nurses to apply concepts of pediatric pharmacology when assessing, managing and treating the pediatric patient in a variety of environments, including acute/critical and primary care. Offered Winter.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7222 Leadership in Health Policy, Ethics and Change Cr. 3**

Examines health systems and health policy within evolving sociopolitical contexts from a national and international perspective. Content includes human diversity, social issues, systems theory, health systems analysis, ethics, health policy analysis, and policy formulation. Offered Fall, Winter.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7225 Pathophysiology, Clinical Care and Management I Cr. 8**

Managing health care needs of women, neonates, and/or children; conceptual basis for advanced nursing. Offered Fall.

**Prerequisite:** NUR 2010 with a minimum grade of B and NUR 3400 with a minimum grade of B and NUR 7030 with a minimum grade of B

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7226 Pathophysiology, Clinical Care and Management II Cr. 8**

Development and demonstration of a model of advanced practice nursing or nurse-midwifery. Offered Winter.

**Prerequisite:** NUR 7225 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7227 Pathophysiology, Clinical Care and Management III Cr. 8**

Synthesis of advanced practice nursing or nurse-midwifery model for care of women, neonates, and/or children. Offered Spring/Summer.

**Prerequisite:** NUR 7226 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7370 APN: Management of Neurological, Endocrine, and Musculoskeletal Problems Cr. 6**

Assisting advanced practice nurses in development of clinical expertise required to co-manage persons with problems related to neurology, endocrinology, and musculoskeletal disorders. Offered Winter.

**Prerequisite:** NUR 7030 with a minimum grade of B and NUR 7555 with a minimum grade of C and PTH 7500 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7415 Physical and Psychosocial Issues in Aging Cr. 3**

Analysis of predominant physical and psychosocial aspects of aging encountered by elderly clients. Offered Winter.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7444 Advanced Physiology and Pathophysiology Across the Lifespan for APRNs Cr. 4**

General physiology and pathologic principles for promoting health and treating disease across the lifespan. This course builds upon previous courses in anatomy and physiology and is a core competency that provides the basis for critical thinking in the role as an advanced practice nurse. Further, it provides an in-depth study of principles of advanced physiology and pathophysiology applicable across the lifespan, including enhancement of knowledge of human physiology of organ systems as well as the etiology, developmental considerations, pathogenesis, morphology, and clinical manifestations of common disease processes. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7515 End-of-Life Issues Cr. 3-4**

Physical, spiritual, legal, economic, political, cultural, and ethical issues at the end of life, examined as stories about individuals, families, and communities. Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Equivalent:** ANT 7430, SOC 7020

**NUR 7555 Pharmacotherapeutics for Advanced Practice Cr. 3**

General pharmacotherapy; critical evaluation of drug therapy; critique and prescription of appropriate therapeutic regimens. Offered Winter.

**Prerequisites:** ([NUR 2060 and PTH 7500])

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7605 Psychopharmacology for Advanced Practice Nursing Cr. 5**

Focus on pharmacokinetics and pharmacodynamics of psychotropic and neurologic medications used across the life span. Emphasis on efficacy of the medications, individualized selections, and titration of dosages. Offered Fall.

**Prerequisites:** (May be taken concurrently: [NUR 7555 with a minimum grade of C])

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7710 Theoretical Perspectives of Teaching in Nursing Cr. 3**

Theories of learning and teaching, critical thinking, value development, and psychomotor skill development as basis for teaching in nursing. Teaching methods in nursing for classroom and clinical practice. Offered Yearly.

**Restriction(s):** Enrollment is limited to Graduate level students.



**NUR 7720 Evaluation and Testing in Nursing Education Cr. 3**

Development of educational program in nursing. Test construction, clinical and performance evaluation, and grading. Offered Biannually (Winter).

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7730 Practice Teaching in Nursing Cr. 3**

Application experience in educational setting appropriate to student's needs and goals. Offered Yearly.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7840 Advanced Practice Nursing with Individuals/Communities Cr. 6**

Opportunities for psychiatric nursing and community health nursing advanced practice students to integrate content about individuals and communities within cultural contexts. Offered Fall.

**Prerequisite:** NUR 7030 with a minimum grade of B and NUR 7555 with a minimum grade of C and PTH 7500 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7855 Advanced Practice Nursing with Groups Cr. 6**

Opportunities for psychiatric nursing and community health nursing advanced practice students to integrate content about groups within cultural contexts. Offered Winter.

**Prerequisite:** NUR 7030 with a minimum grade of B and NUR 7555 with a minimum grade of C and PTH 7500 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7860 Advanced Practice Nursing with Families Cr. 6**

Opportunities for advanced practice psychiatric nursing and advanced practice community health nursing students to integrate content about families within cultural contexts. Offered Spring/Summer.

**Prerequisite:** NUR 7030 with a minimum grade of B and NUR 7555 with a minimum grade of C and PTH 7500 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7865 Foundations of Complementary and Alternative Medicine (CAM) Cr. 3**

Philosophical, historical, physiological basis of CAM; use in advanced practice nursing. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 7870 Complementary Therapy Research: Understanding the Evidence Cr. 4**

Focus on the research related to complementary therapies allowing students to explore what has already been established, limitations and benefits, and future directions and initiatives that are needed to support CAM therapies for integrative health care use. Offered Fall, Winter.

**Prerequisite:** NUR 7865 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7875 Complementary Alternative Medicine Therapies: Clinical Intervention II Cr. 5**

Additional in-depth information on mind-body techniques, herbs/supplements, aromatherapy and energy healing; focus on physiological, psychological, and spiritual aspects of integrative care. Offered Fall, Winter.

**Prerequisite:** NUR 7870 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7880 Infant/Family Mental Health Assessment Cr. 2**

Using a relationship-based model, assessments of infant and toddler socio-emotional development and parental health is emphasized. Interdisciplinary dialogue about the infant mental health perspective and the impact of culture. Offered Fall, Spring/Summer.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7890 Special Topics in Nursing Cr. 1-8**

Exploration and analysis of topics significant to the development of nursing science and professional practice. Offered Fall, Winter.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 7990 Directed Study in Nursing Cr. 1-8**

Individually designed courses of study in nursing. Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Repeatable for 16 Credits**

**NUR 7998 Master's Research Project Cr. 1-3**

Scientific investigation of nursing phenomena using all steps of the research process; includes written report. Offered Every Term.

**Prerequisite:** NUR 7010 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8011 Scientific Writing in Nursing Cr. 1**

Seminar to assist students in becoming more effective scientific writers in order to be successful nurse scholars and scientists. Students will conduct a mini-review of the literature related to a specific aspect of urban health. After identifying a precise statement to focus their review, students will synthesize the literature and write iterative drafts of their review. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy degree; enrollment limited to students in the College of Nursing.

**NUR 8012 Philosophical Basis of Nursing Cr. 3**

Philosophical underpinnings of the nursing discipline in order to assist students in understanding the tripartite role of a Ph.D.-prepared nurse as scholar, scientist, and steward of the discipline. Students will explore the interaction of historical, theoretical, and philosophical contexts within which nursing science has developed, discuss the role each has played in the process of developing nursing as an academic research discipline, and examine these for congruence with contemporary thinking. Emphasis is on analyzing epistemological and ontological assumptions underlying the discipline, the science, and the practice of nursing. Debates arising from philosophy and the history of science and nursing inform discussions about the nature of science and nursing's past, present, and future directions in theory and knowledge development. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy degree; enrollment limited to students in the College of Nursing.

**NUR 8014 Health Interventions Cr. 3**

Evaluation of intervention research to create nursing knowledge to improve health outcomes for urban populations. Students will examine select intervention designs to evaluate the effectiveness of therapeutic interventions related to their phenomenon of interest. The course also addresses important considerations of measurement, feasibility, fidelity, and data safety monitoring plans when conducting intervention research. Ethical concerns related to intervention research are discussed. Offered Winter.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8020 Theoretically-Based Nursing Inquiry Cr. 3**

Synthesis and application of knowledge from theoretical and empirical literature to a phenomenon of interest. Assistance to students in translating philosophical and theoretical perspectives into research methodologies. Concept analysis and construction, theory development, and relationships among conceptual frameworks, theories, and empirical referents are critically analyzed. The course will enable students to develop or further explicate a theoretical framework to guide a study within an emerging program of research in urban health. Offered Spring/Summer.

**Prerequisites:** ([NUR 8012 and NUR 8040] OR [NUR 8060])

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8040 Quantitative Research Methods Cr. 3**

Non-experimental and experimental designs used in health-care research. Students will examine common threats to study validity and discuss methods to address these threats. Students also will develop the methods section of a quantitative proposal that addresses a researchable problem in nursing and health care. Offered Winter.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8050 Introduction to Advanced Quantitative Methods: Big Data and Mixed Methods Cr. 3**

Introduces advanced quantitative methods that may be used in the students' future program of research. Students will explore the methods associated with triangulation of data (i.e. mixed methods) and big data science, and the course will address the epistemological underpinnings of these two methods. Students will examine key design, sampling, analysis and management techniques required for using mixed methods or large data sets. Emphasis will be on exploring pragmatic considerations that contribute to the efficacy of projects using these different methods. Offered Fall.

**Restriction(s):** Enrollment is limited to students with a major in Interdisciplinary or Nursing; enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy degree.

**NUR 8060 Qualitative Research Methods Cr. 3**

Relevance of qualitative approaches to the advancement of knowledge and practice in nursing and healthcare. An overview of qualitative traditions will be covered. Sampling, measurement, data collection, data management, and analysis will be discussed relative to various qualitative approaches. Strategies to maintain data quality and integrity are also discussed. Offered Spring/Summer.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8065 Health Economics and Policy Evaluation of Nursing Care for Vulnerable Populations Cr. 3**

The intersection of vulnerable populations and their health care needs will be explored from a health economics and health policy approach. The course will promote discourse on the economic structure of the American health system as it relates to disparities. Further, it will explore the economic analytical evaluation of health care through current economic models of analysis for nursing care. Offered Spring/Summer.

**Prerequisites:** ([FPH 7240 with a minimum grade of C]) AND ([NUR 8630 with a minimum grade of C])

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8070 Advanced Qualitative Methods Cr. 3**

Focuses on analysis and critique of various traditions within qualitative methods phenomenology, grounded theory, case study) and an in-depth examination of various methodological approaches and technical skill related to participant recruitment, ethical issues, data collection, data management and analysis, and interpretation of for qualitative methods. Students must have a data set for analysis, even if they are in the process of collecting data or receive permission to use a faculty member's data set. Offered Winter.

**Prerequisites:** ([NUR 8060 with a minimum grade of C])

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8210 Health Determinants & Disparities Cr. 3**

Examination of multiple determinants of health and issues related to health disparities among vulnerable populations in urban environments. Course content addresses biophysiological, genetic, behavioral, cultural, environmental (social and physical), economic, and health policy factors that affect health and contribute to health disparities. It prepares students to generate questions of concern to health and health outcomes; and to collaborate in interdisciplinary research teams regarding determinants of health and health disparities. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8604 Health Analytics and Data Management Cr. 4**

This course provides the student with a foundation to evaluate the psychometric properties of outcome measures; to evaluate group differences for clinical programs, quality/process improvement, or practice change projects; and to synthesize results across qualitative and quantitative studies. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8610 Statistical Analysis I Cr. 3**

Application of selected univariate statistical procedures commonly used in nursing and health research. Topics will include descriptive and inferential statistics such as measures of central tendency and variability, sampling, estimation, hypothesis testing, analysis of variance, regression and correlation, analysis of covariance, analysis of frequency and nonparametric procedures. Emphasis is on the utilization and interpretation of basic univariate procedures applied in nursing and health research. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 8612 Statistical Analysis II Cr. 3**

Advanced multivariate statistical procedures. The course will cover a range of advanced quantitative techniques, such as discriminant analysis, logistic regression analysis: dichotomous response, logistic regression analysis: polytomous response, principle component analysis, factor analysis, cluster analysis and survival analysis. The course also addresses statistical analysis for advanced quantitative designs such as analysis of variance for some unbalanced designs, analysis of variance for some fixed-, random-, and mixed-effects models, nested or hierarchical designs, multivariate repeated-measures analysis of variance and power analysis and sample size determination. An introduction to psychometric theory for instrument development also will be addressed. Offered Winter.

**Prerequisites:** ([NUR 8610])

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 8615 Informatics Innovations in Nursing Cr. 3**

Development of understanding of concepts in health care informatics relevant to the advanced practice nurse. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8620 Foundations of Nursing as a Discipline Cr. 3**

Critical examination of factors that have contributed to the development of the discipline of nursing. Offered Fall.

**Restriction(s):** Enrollment limited to students in the Doctor of Nursing Practice program; enrollment is limited to Graduate level students.

**NUR 8625 Evidence Based Nursing Practice: Theoretical and Methodological Issues Cr. 3**

Scientific foundation for integration of evidence based knowledge into clinical practice. Offered Winter.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8630 Conceptual Methodologies in Health Policy Leadership and Ethics Cr. 3**

Basic understanding of health policy and ethical theories and practice, skills in policy development and analysis, joined with ethical analysis. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8635 Clinical Practice Outcomes: Evaluation and Benchmarking Methodologies Cr. 3**

Foundational knowledge and skills necessary to measure clinical outcomes and quality in advanced clinical nursing practice. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8640 Health Information Technology Cr. 3**

Current and future advances in health information technologies as they apply to hospital or community health systems. Offered Fall.

**Prerequisite:** NUR 8615 with a minimum grade of B-

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 8650 Advanced Professional Leadership Cr. 3**

Preparation of advanced nurses and others to effectively transition into the role of leader and change agent. Offered Winter.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 8670 APN Specialty I: Foundations Cr. 3-4**

Foundational knowledge and skills necessary to manage health care needs across the developmental spectrum, while providing the conceptual basis for advanced practice nursing (APN). Focus on refinement and further development of basic clinical diagnostic skills, including physical examination, diagnosis, management, interventions, and outcomes assessment. Offered Fall.

**Prerequisites:** ([NUR 7030 with a minimum grade of C]) AND ([NUR 7555 with a minimum grade of C]) AND ([PTH 6860 with a minimum grade of C] OR [NUR 7200 with a minimum grade of C]) AND ([PTH 7500 with a minimum grade of C] OR [NUR 7205 with a minimum grade of C] OR [NUR 7203 with a minimum grade of C])

**Corequisite:** NUR 8675

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8675 APN Specialty Clinical I: Foundations Cr. 4-5**

Clinical (lab) component focuses on the continued application of specialty knowledge foundational to advanced practice nursing or nurse-midwifery. Strengthening and further development of the nurse practitioner/nurse-midwifery management model, roles of advanced practice nurses, and interventions to promote and/or restore health within each specialty area. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8680 APN Specialty II: Intermediate Cr. 3-4**

Specialty seminar focuses on strengthening and further development of the application of the specialty knowledge of acute care, children, community, neonates, primary care, psychiatric and women's health within a broad social context. Students manage the care of clients in their designated specialty area while assessing for deviations from normal which may result in collaboration or referral. Development of the advanced practice role, provision of a supportive clinical practice environment, and examination of factors that contribute to the vulnerability of clients across the lifespan. Offered Winter.

**Prerequisites:** ([NUR 8675 with a minimum grade of C])

**Corequisite:** NUR 8685

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8685 APN Specialty Clinical II: Intermediate Cr. 4-5**

Clinical (lab) component focuses on the continued application of specialty knowledge foundational to advanced practice nursing. Strengthening and further development of the nurse practitioner/nurse-midwifery management model, roles of advanced practice nurses, and interventions to promote and/or restore health within each specialty area. Offered Winter.

**Prerequisite:** NUR 8670 with a minimum grade of C and NUR 8680 (may be taken concurrently) with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8690 APN Specialty III: Advanced Cr. 2-4**

Synthesis of an advanced practice nursing model for care across the developmental spectrum. Health promotion, development, and long-term care of vulnerable populations within a broad social context. Specialty seminar component focuses on strengthening and applying specialty knowledge of acute care, children, neonates, primary care, and women's health within a broad social context. Offered Winter.

**Prerequisites:** ([NUR 8680 with a minimum grade of C]) AND ([NUR 8685 with a minimum grade of C])

**Corequisite:** NUR 8695

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8695 APN Specialty Clinical III: Advanced Cr. 4-6**

Students are to concentrate with hands on patient care in the role of a provider. Offered Winter.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8890 Special Topics in Nursing Cr. 1-8**

Exploration and analysis of topics significant to the development of nursing science and professional practice at the doctoral level. Offered Yearly.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy degree.

**NUR 8895 Population Health for Nursing Cr. 3**

Introduction to the basic concepts of epidemiology as tools that will promote understanding of the complexity of local, national, and global healthcare systems. Emphasis is on the use of epidemiologic reasoning in deriving inferences about the etiology of health outcomes from population data and in guiding the design of health service programs. Discussion of behavioral and contextual factors that converge to impact the health of individuals, families, and communities in relationship to strategies that advanced practice nurses use to mitigate these factors. Students will be challenged to develop approaches for using epidemiology to influence, create, and lead change. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8990 Directed Study Cr. 1-8**

Individually designed courses in nursing for doctoral students whose needs and interests are not met in scheduled classes. Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 8999 Master's Thesis Research and Direction Cr. 1-8**

Offered Every Term.

**Prerequisite:** NUR 7010 with a minimum grade of C

**Restriction(s):** Enrollment limited to students with a class of Candidate Masters; enrollment is limited to Graduate level students.

**Repeatable for 8 Credits**

**NUR 9500 DNP Project Practicum I Cr. 2**

Provides guided study to identify role components for the advanced practice nurse pursuing a Doctor of Nursing Practice (DNP) degree. The student will begin exploration and identification of a specific practice topic area for the DNP Project. The scholarly practicum gives the student hands on experience in her/his chosen area of clinical inquiry. Offered Fall, Winter.

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 9505 DNP Project Practicum II Cr. 2**

Requires the student to engage faculty, community and/or healthcare organization leaders for project proposal planning of an evidenced-based DNP Project based on the specific practice topic identified. The student must establish the state of the science upon which the DNP Project will be based. Offered Every Term.

**Prerequisites:** ((NUR 8625 with a minimum grade of C) AND ((NUR 9500 with a minimum grade of C))

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 9510 DNP Project Practicum III Cr. 2-4**

Builds on the knowledge and skills developed in the previous courses: DNP Project Practicum I and II. Students, working with their DNP Project Chair and relevant leaders, will implement their projects. Offered Winter, Spring/Summer.

**Prerequisites:** ((NUR 9500 with a minimum grade of C) AND ((NUR 9505 with a minimum grade of C))

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 9520 Clinical Inquiry Project Cr. 4-6**

Builds on the knowledge and skills developed in the previous courses: DNP Project Practicum I, II and III. Provides the doctorate nursing practice student with the opportunity to demonstrate their ability to analyze, synthesize and apply clinical inquiry knowledge and competencies through written and public presentation. Offered Every Term.

**Prerequisites:** ((NUR 9500 with a minimum grade of C) AND ((NUR 9505 with a minimum grade of C) AND ((NUR 9510 with a minimum grade of C))

**Restriction(s):** Enrollment is limited to Graduate level students; enrollment limited to students in the College of Nursing.

**NUR 9990 Pre-Doctoral Candidacy Research Cr. 1-8**

Research in preparation for doctoral dissertation. Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Repeatable for 12 Credits**

**NUR 9991 Doctoral Candidate Status I: Dissertation Research and Direction Cr. 7.5**

Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 9992 Doctoral Candidate Status II: Dissertation Research and Direction Cr. 7.5**

Offered Every Term.

**Prerequisite:** NUR 9991 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 9993 Doctoral Candidate Status III: Dissertation Research and Direction Cr. 7.5**

Offered Every Term.

**Prerequisite:** NUR 9992 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 9994 Doctoral Candidate Status IV: Dissertation Research and Direction Cr. 7.5**

Offered Every Term.

**Prerequisite:** NUR 9993 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

**NUR 9995 Candidate Maintenance Status: Doctoral Dissertation Research and Direction Cr. 0**

Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Course Material Fees:** \$348.67

**Repeatable for 0 Credits**