

# UMB Digital Archive

## Nursing Catalog 2010

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## Catalog Entries

Winter 2010  
Mar 12, 2015

Select the Course Number to get further detail on the course. Select the desired Schedule Type to find available classes for the course.

### NDNP 802 - METHOD FOR EVIDENCE-BASED PRAC

This course focuses on the science and advanced knowledge necessary for critical analysis of evidence on which to base nursing practice. The students will analyze frameworks that transform research into practice through the use of research outcomes, methods and planned change processes. The best practice evidence from systematic research will be applied to current health care delivery phenomena. Students will utilize analytical methods in the development of best practices and practice guidelines that facilitate the evaluation of systems of care and improve patient outcomes.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### NDNP 804 - THEORET & PHILOSO FOUNDATIONS

The philosophical and scientific underpinnings of nursing reflect the complexity of practice at the doctoral level and the conceptual foundation of nursing practice using science-based theories and concepts. This course integrates nursing science with knowledge from biophysical, social, and organizational sciences as the basis for the highest level of nursing practice. Students analyze selected world-views and theories from a variety of disciplines. Emphasis is placed on the refinement of critical thinking skills.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### NDNP 805 - DESIGN ANALYSIS EVD-BASED PRAC

This course extends foundational competencies in research methods and design for experienced advanced practice nurses. Emphasis is on identifying appropriate design and analytical approaches to fit purposes of inquiry. Elements of inquiry are examined including: development of research questions, sampling approaches, measurement of health outcomes, collection and analysis of data, and human subjects' considerations. Common approaches to statistical analyses will be examined as well as epidemiological approaches to evaluate population health. Pre-requisite: NDNP 802.

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### NDNP 807 - INFO SYS TECH FOR IMPROV/TRANS

This course is designed to provide the DNP student with the knowledge and skills necessary to correctly utilize information systems and technology and to lead information systems and technology through transitions in order to improve and transform healthcare. This course will provide an advanced understanding of what currently constitutes an information technology enabled health care environment; the roles of the nurse leader and informaticist; the current state of affairs regarding information technology affecting patients and nurses within healthcare today; and leading edge issues within healthcare informatics which will impact the role of the DNP in a variety of health care settings. At the conclusion of the course, the student will have a foundation to function as an informatics innovator to lead the advancement of informatics practice and research; to develop solutions for current data management practices; and to demonstrate the interdependence of systems, disciplines, and outcomes.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### NDNP 809 - COMPLEX HEALTH CARE ORG.

This course focuses on the analysis, synthesis and application of complexity science and quantum theory to healthcare systems. This includes the contribution of organizational theories, organizational culture, and systems' infrastructure in dynamic interplay across complex healthcare systems. The Doctor of Nursing Practice's role in creation of new and futuristic organizing frameworks is explored. As leader the students will participate in a self leadership assessment to identify their

unique strengths in assuming advanced roles as leaders and followers within interdisciplinary and intradisciplinary teams. Critique and evaluation of health systems models, and quality improvement systems are included. The dynamic influence of safety, quality, economic, financial, regulatory, policy, and ethical principles in the practice environment are addressed.  
3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NDNP 810 - CAPSTONE PROJ IDENTIFICATION**

Doctor of Nursing Practice students will have an identified practice area that will provide a guide for their plan of study. In this course, students will explore specific issues related to their practice that will lead them to the completion of a project at program completion. Students will explore literature related to specific practice concerns in their area as well as discuss issues with practice leaders to identify and refine their project goals  
1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NDNP 811 - CAPSTONE PROJECT II**

Doctor of Nursing Practice students have an identified practice area that will provide a guide for their plan of study. In this course, students will develop a capstone project proposal based on an analysis of the literature. The role of the DNP as leader and innovator of complex organizational systems will be discussed as it relates to the capstone project proposal. Prerequisites: NDNP 802, NDNP 804 and NDNP 810.  
1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NDNP 812 - CAPSTONE PROJECT III**

Doctor of Nursing Practice students have an identified practice area that provides a guide for their plan of study and capstone project. In this course students will implement their approved capstone project proposal based on an analysis of the literature. The role of the DNP as leader and innovator of complex organizational systems will be discussed as it relates to the capstone project implementation. Prerequisite: NDNP 802; NDNP 804; NDNP 805, NDNP 807, NDNP 810, NDNP 811 / Co-requisites: NDNP809. Must have completed Capstone Proposal defense.  
1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NDNP 813 - CAPSTONE PROJECT IV**

Doctor of Nursing Practice students will evaluate and disseminate their approved capstone project. The role of the DNP as leader and innovator of complex organizational systems will be discussed as it relates to the capstone project evaluation and dissemination. Prerequisites: NDNP 802; NDNP 804; NDNP 805, NDNP 807, NDNP 810, NDNP 811; NDNP 812 / Co-requisites: NDNP 815.  
1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NDNP 815 - LEADERSHIP & INTERPRO COLLAB**

This course is based on student independent learning that emphasizes theory and practical application through working with a health care system to address interprofessional and intraprofessional initiatives requiring nursing leadership at the level of a Doctor of Nursing Practice. The DNP student will demonstrate the ability to synthesize and apply theory and leadership principles to affect necessary change. The course focuses on the system dynamics as they affect highly collaborative teams and requirements for leadership. Concepts and applied experiences cover: assessment of self, synthesis and application of interprofessional and intraprofessional collaborative skills, theories of effective leadership, and functions of a change manager, use of influence without authority, facilitation of teams, concepts and dynamics of communication in complexity. The synthesis and application of new leader requirements and capacity will be addressed in relation to chaos and ambiguity in a changing system, policy requirements, and the identification of value propositions. Prerequisites: Nursing 809.  
3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Nursing Department

### **NDNP 816 - CAPSTONE ADVISEMENT**

Doctor of Nursing Practice students have an identified practice area that will provide a guide for their plan of study. In this course, working in conjunction with their Capstone Advisor, students will complete the capstone proposal and obtain approval from their Capstone Committee. This course can not be taken with Capstone III or IV. Prerequisites or Co-requisites:

Dependent of program progression.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Nursing Department

### **NDNP 818 - DNP INDEPENDENT STUDY**

Develops further practice or research competencies through independent study or practicum. Registration upon permission of instructor. Students may register for varying amounts of credits, ranging from one to six credits per semester.

1.000 TO 6.000 Credit hours

**Schedule Types:** [Independent Study](#)

School of Nursing Division

Nursing Department

### **NPHY 601 - CANCER GENETICS & PATHOPHYSIOL**

This is the second of three courses required for completion of the Masters' track for advanced practice in oncology nursing. In this course, introductory material concerning principles of cell biology, genetics, and pathophysiology of cancer is followed by application of those principles to particular cancer sites. Emphasis is placed on understanding the multiple cellular pathways that may lead to malignant transformation and the heterogeneity of cancer as a disease and as a target for therapy.

Manipulation of the pathways of malignant transformation for prevention of cancer is discussed. The site-specific cancers are then examined with a detailed discussion of their particular pathophysiology. Prerequisite NURS 629 and NPHY 612.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division

Nursing Department

### **NPHY 608 - REPRODUCTION PHYSIOLOGY**

Provides more extensive knowledge of human reproduction and the physiologic function of the newborn infant. Selected examples of pathophysiology are presented. Focuses on developing a scientific client assessment of needs and selecting regulatory processes for the care of clients with complex physical needs. Concepts addressed include reproduction, growth, oxygenation, circulation, motion, motility and elimination.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division

Child, Women's & Family Health Department

### **NPHY 612 - ADV PHYSIOLOGY & PATHOPHYS**

This course provides graduate levels content of physiology and pathophysiology that is necessary for understanding the scientific basis of advanced practice nursing and for more advanced clinical courses in a variety of settings. Structural and functional changes in cells, tissues, and organs that underlie selected diseases are discussed. The student will gain an understanding of the mechanisms underlying diseases and their clinical manifestations, thus providing a basis for clinical decisions related to diagnostic tests and initiation of therapeutic regimens. Pathogenesis of disease will be related to principles of health promotion and disease prevention. The course contributes to the scientific basis for advanced practice nursing.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Nursing Department

### **NPHY 614 - PHYSIOLOGY OF AGING**

Emphasizes cell biology, metabolic process and cardiovascular and neurobiological aspects of aging. Presents the pathophysiological basis for health problems of older adults. Alterations at the cell, organ and system levels are discussed to provide the basis for clinical management of common health problems. Prerequisite or Co-requisite NPHY 612.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NPHY 620 - PHYSIOL ALTERATION CRITICAL PT**

This course is designed to provide the student with an opportunity to gain an in-depth knowledge of specific pathophysiologic processes often experienced by critically ill patients. Learning is reinforced during scheduled time in critical care areas where the students analyze and evaluate patients demonstrating some of the pathophysiologic problems discussed during the didactic portion of the class. Regularly scheduled clinical seminar presentations done by the student permits the student to apply theoretical knowledge to specific situations. Prerequisites: NPHY 612, NURS 605, NURS 623 and NURS 723.

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

**NPHY 630 - NEONATAL PEDIATRIC PHYSIOLOGY**

This course is designed to familiarize the student with normal physiologic adaptations and development physiology that provides the scientific basis and rationale underlying assessment and management of the neonate, infant, and child. A systems approach will be used to examine the physiologic transition to the extrauterine environment and adaptation of the infant at birth, as well as the developmental physiology of the neonate and maturation during infancy and early childhood.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NRSG 624 - SPEC PROB ACUTE CARE PEDS**

This course provides complementary learning experiences for the acute/tertiary care Advanced Practice (AP) pediatric nurse practitioner student. These experiences afford the AP student the opportunity to provide advanced nursing care across the continuum of health care services to meet the specialized physiologic and psychological needs of infants, children and adolescents with complex acute, critical and/or chronic health conditions. Opportunities are provided for the refinement of skills in assessment, diagnostic reasoning and critical thinking. The emerging role of the advanced practice pediatric nurse practitioner in the acute/tertiary care setting is examined within the constraints of the health care delivery system. Concepts regarding managed care from an organizational and administrative perspective are systematically integrated into this clinical course. Clinical settings include newborn nurseries, acute/tertiary care/managed care facilities, PICUs or specialty sites focused on the care of children with special needs and their families. Prerequisites: NURS 611.

1.000 TO 2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NRSG 626 - PRIMARY HEALTH NEWBORN**

This course provides a theoretical analysis and practical approach to the advanced practice pediatric nurse practitioner's role as a provider of safe and effective care to newborns, neonates and their families. Current theories and evidenced based practice guidelines relevant to the newborn and neonate will be examined. Synthesizing data from a variety of resources, students will be provided opportunities to refine their assessment skills as well as home decision making and critical thinking abilities. The emerging role of the advanced practice pediatric nurse practitioner in the primary as well as acute/tertiary care setting in the care of this unique population is examined within the constraints of the health care delivery system. Concepts regarding managed care from an organizational and administrative perspective are integrated into this course. Prerequisites: NURS 611 (for Advanced Practice Pediatric Students only).

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NRSG 630 - AD PRIM CARE CLIN**

This course will further stress application of concepts presented in the Diagnosis and Management I (NURS 620) course. The focus is on refining health assessment skills, interpreting findings, developing and implementing appropriate plans of care to meet common health maintenance needs of adults and to promote the health of adults with more complex health problems. The student will gain increased expertise in communication skills, health assessment skills, interpreting findings, epidemiological concepts and developing and implementing plans of care. The emphasis will be placed upon managing an aging population with complex, chronic healthcare needs. Prerequisites: NURS 619 and NURS 620.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 631 - INTRO SPANISH HEALTH CARE PROF**

Students will develop basic Spanish language conversation skills for the health care setting in this small group seminar. This course will emphasize pronunciation, oral comprehension, and vocabulary for patient interviews, health education, and terminology used in clinical setting. Students will participate in seminars, small group work, case scenarios, and active practice of Spanish conversations. Students will also examine cultural considerations for the Hispanic population and integrate these elements into their developing vocabulary. Prerequisite: By permission of instructor- One introductory Spanish course (high school or college) within the past 10 years.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 634 - MENTAL HEALTH SPEC POP**

The course focuses on developing knowledge necessary for the evidence-based advanced practice of psychiatric mental health nursing with vulnerable, special populations including older persons, persons with chronic mental illness, and those with mental illness who are court-involved. Students will obtain an understanding of health care system issues associated with providing quality mental health care to these groups including fragmentation and gaps in care, stigma and discrimination, and the need for patient centered care. Students will gain knowledge needed to use an evidence-based, integrated approach to providing quality care to vulnerable persons with psychiatric illness and substance use conditions. Prerequisite: NURS 622, NURS 667, NURS 664, NURS 665 or NURS 655, NURS 656.

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 663 - MBSR PROG EVAL ISSUE**

Cores course components include an overview of the evolution of Mindfulness-Based Stress Reduction Programs, a critical appraisal of the state of science in their implementation and evaluation in clinical, community and research contexts, and an opportunity to create and critique plans for implementing and evaluating MBSR programs for a variety of target populations taking into account the state of the science.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 668 - DIFF DIAGNOSIS/PSYCHOPATHOLOGY**

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 669 - DIFF DIAGNOSIS/PSYCHOPATHOLOGY**

2.000 Credit hours

**Schedule Types:** Clinical

School of Nursing Division  
Nursing Department

### **NRSG 670 - ADV ANESTHIA NSG SEMINAR I**

This anesthesia course is the first of two designed to integrate the didactic curriculum with several semesters of clinical anesthesia practice. Student Registered Nurse Anesthetists (SRNAs) will review the practice of nurse anesthesia using current information and resources reflecting the standards of practice in the field of nurse anesthesia. Emphasis will be placed on a case study approach following body systems for surgical procedures and specific influences of physiology and pathophysiology on anesthetic management. Prerequisite or Co-requisites: NURS 672, NURS 673.

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 708 - INTR INTRAPARTUM MIDWIFERY**

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 717 - AMBULATORY MIDWIFERY**

5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 729 - MIDWIFERY PRIMARY CARE PRACT I**

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NRSG 765 - DEVELOPMENTAL PSYCHOPATHOLOGY**

This foundational course introduces graduate/advanced practice nursing students to concepts of developmental psychopathology (the study of the origins and course of individual patterns of behavioral mal-adaptation, [ Sroufe & Rutter, 1984 , p.18], vulnerability to stress perspective and particularly highlighting aspects that contribute to resilience and adaptive functioning [Cicchetti & Toth, 1998]. The preventive and intervention applications will be extracted from updated clinical and research literatures. This course will be conducted in a seminar format which will involve the student taking an active participant role in facilitating the synthesis of current literature in developmental psychopathology. Prerequisite: NURS 752

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 300 - NUTRITION**

Introduces students to the concepts of normal nutrition so that they may build upon this knowledge when working with clients and patients in health care settings. Satisfies the prerequisite basic nutrition course required of all students before entering the undergraduate program at the University of Maryland School of Nursing.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

### **NURS 304 - INTRO TO PROF NURSING PRACTICE**

Introduces students to the nursing process and to its use in addressing common basic needs and responses of persons to various health states. The student is guided in the application of theory to clinical practice and in the application of theory to clinical practice and in the application of theory to clinical practice and in the development of skills necessary to address the common needs and responses. Clinical lab and simulated experiences opportunities to develop and refine basic clinical practice skills.

0.000 OR 4.000 Credit hours

**Schedule Types:** Lab, Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 308 - NURSING CARE INFANTS CHILDREN**

Nursing Care of the Childbearing and Childrearing Family: Applications of Theory and Practice (2). Provides in-depth knowledge of select nursing issues and health problems when caring for the childbearing/ childrearing family. Emphasis is placed on the biological, psychological, social, cultural and spiritual aspects of the childbearing and childrearing experience. This course includes opportunities for the student to apply maternal- child health content to issues and problems as they exist the context of the childrearing and childbearing family. The seminar format is designed to help students explore selected health issues in-depth and in collaboration with their peers and faculty.

0.000 OR 4.000 Credit hours  
4.000 Lecture hours  
0.000 Lab hours  
0.000 Other hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 309 - HEALTH OF DIVERSE POPULATIONS**

Enables students to develop a philosophy and definition of health that takes into account the multiple health care needs of and relationships among populatons, communities, families and individuals. Using the components of the nursing process, students learning introductory methods to assess the health status of populations, communities, families and individuals.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Behavioral & Community Health Department

**NURS 311 - PATHOPHYSIOLOGY**

Focuses on pathophysiological disruptions to system functioning. The alterations within the system are discussed as well as the impact of these alterations on the individual. The student applies previously acquired knowledge in human anatomy and physiology as well as other sciences. This course contributes to the scientific basis for use of the nursing process.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 312 - PHARMACOLOGY**

Explores the use of therapeutic drugs in the health care setting and their effects upon normal and abnormal physiology. Pharmacologic agents are discussed in relation to their effects on body systems, mechanism of action and excretion, therapeutic usage and nursing implications. The course builds upon the student's understanding of physiological and pathophysiological processes.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

**NURS 315 - PATHOPHARMACOLOGY**

5.000 Credit hours  
5.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 320 - SCIENCE RESEARCH NURS PRAC**

Focuses on the acquisition, evaluation, utilization, and interpretation of information designed to link nursing theory and research as a foundation for nursing practice. Content is reinforced by the use of research critique with emphasis on



application to and implications for nursing practice and nursing interventions. clinical practice and research.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 325 - CONTEXT HEALTH I**

Provides an overview of the nature of nursing as an evolving profession and its relationship to the structure and function of the U.S. health care delivery system. Major issues and trends in nursing and health care are discussed. Consideration is given to the impact of socio economic, ethical, legal and political variables on the current U. S. health care system. Organizational structures and the dynamics of nursing practice in a changing health care delivery system are explored and discussed.

2.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 330 - ADULT HEALTH NURSING**

Utilizes didactic and clinical learning experiences to enable students to provide nursing care across the adult life span to clients who are experiencing a variety of complex acute, and chronic health problems in various health care settings, including long term and rehabilitation settings.

0.000 OR 7.000 Credit hours  
7.000 Lecture hours  
0.000 Lab hours  
0.000 Other hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 331 - GERONTOLOGICAL NURSING**

Explores the unique health and nursing needs of elderly clients and their significant others as well as political, social, economic, ethical and moral issues that have implications for an aging society. Emphasis is on health aging and wellness positive perspectives on aging.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 333 - HEALTH ASSESSMENT**

Provides the knowledge and skills necessary to assess individual health as a multidimensional, balanced expression of biopsychosocial-spiritual-cultural well being. Course content reflects a functional health and systems approach to nursing assessment of persons through all developmental stages. This course is fundamental to all levels of undergraduate nursing education.

0.000 OR 3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lab, Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 402 - PSYC MENTAL HEALTH NURSING**

Provides the opportunity for the student to gain an appreciation of the importance of mental health care. The student examines persons from the empiricist view through research and integration of the biological model; the moral view is evident in the importance placed on the person's rights and an awareness of the many ethical issues surrounding psychiatric care.

0.000 OR 5.000 Credit hours  
0.000 Lab hours  
0.000 Other hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 403 - COMMUNITY HEALTH NURSING**

Enables students to provide nursing care to families, communities and populations within their respective environmental contexts. Awareness of context and social responsibility is emphasized for the development of a personal philosophy of nursing.

0.000 OR 5.000 Credit hours  
5.000 Lecture hours  
0.000 Lab hours  
0.000 Other hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 405 - INFORMATICS AND TECHNOLOGY**

Provides the opportunity to explore the role of the nurse relative to the assessment of health care technologies and information systems and their incorporation into clinical practice. Current and emerging health care technologies are investigated with an emphasis on the actual and potential effects of these technologies on the work of nurses, the process of care and patient outcomes.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 407 - MATERNAL AND CHILD NURSING**

0.000 OR 5.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Nursing Department

### **NURS 415 - PATHOPHARMACOLOGY**

5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 418 - SPECIAL TOPICS IN NURSING**

Focuses on current health-related topics such as ethics and values, holistic health care, issues in women's health, oncology nursing and cross-cultural nursing.

1.000 TO 9.000 Credit hours  
1.000 TO 9.000 Lecture hours

**Schedule Types:** [Elective](#)

School of Nursing Division  
Nursing Department

### **NURS 419 - SPECIAL TOPICS IN STUDY**

1.000 TO 9.000 Credit hours  
1.000 TO 9.000 Lecture hours

**Schedule Types:** [Lecture](#)

School of Nursing Division  
Nursing Department

### **NURS 425 - ORGANIZATIONAL LEADERSHIP**

Focuses on the management function and leadership roles of the professional nurse in today's health care environment. Organizational, regulatory, political and interpersonal factors that affect nursing practice and the administration of health care services are explored. The integration of management theory and the social responsibility of the nursing profession are emphasized.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 427 - CLINICAL EMPHASIS SEMINAR**

Enables the student to focus on an area of clinical interest. Major characteristics of the clinical specialty such as the types of clients/patients, types of diseases/ disorders/common problems, preventive aspects, special knowledge and skills needed and available resources are explored.

1.000 Credit hours  
1.000 Lecture hours

**Schedule Types:** Lecture/Clinical

School of Nursing Division  
Nursing Department

### **NURS 487 - CLIN EMPHASIS PRAC AND SEM**

Provides opportunities to apply knowledge from other nursing courses and from the clinical emphasis seminars to specific clinical situations in order to further develop and refine clinical skills in the selected emphasis area. The student works with a clinical preceptor in the development, implementation and evaluation of objectives specific to the emphasis area and to the clinical setting.

5.000 OR 6.000 Credit hours

**Schedule Types:** Clinical

School of Nursing Division  
Nursing Department

### **NURS 501 - PATHO/PHARM IN NURS PRACTICE**

This course focuses on the disruptions of physiological systems that immediately or ultimately produce disease states and on the use of drugs to prevent or ameliorate those disruptions. Patient or population specific factors that affect the likelihood of success of a particular drug therapy or the increase the danger from untoward effects are integrated throughout the course. Legal and regulatory issues are discussed. The student applies previously acquired knowledge in human anatomy and physiology as well as other basic sciences. Prerequisites/Co-requisites: Students will be held accountable for content from previous coursework in anatomy, physiology, chemistry, nutrition, psychology and sociology. Students will also be expected to integrate content from concurrent nursing courses.

5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 503 - HEALTH ASSESSMENT**

This course is designed to provide the nursing student with the knowledge and skills necessary to assess individual health as a multi-dimensional expression of bio-psycho-social-cultural well being. Course content will reflect a functional health and systems approach to nursing assessment of humans through all developmental stages.

0.000 OR 3.000 Credit hours

**Schedule Types:** Lab, Lecture

School of Nursing Division  
Nursing Department

### **NURS 505 - INTRO PROF NURS PRACTICE**

This didactic, laboratory, clinical and seminar course introduces students to the concepts of contemporary professional nursing.

The student is guided in the application of theory to clinical practice and in the development of cognitive, psychomotor, communication, and therapeutic skills necessary to address common needs and responses of persons experiencing various health states. Prerequisite NURS 503.

0.000 OR 4.000 Credit hours

**Schedule Types:** Lab, Lecture

School of Nursing Division  
Nursing Department

### **NURS 507 - CONTXT OF HLTH CARE DELIVERY I**

This course provides an overview of the nursing profession with an emphasis on the evolving role of the Clinical Nurse Leader (CNL) as an entry-level master's prepared professional nurse clinician. Course content builds on the American Association of Colleges of Nursing (AACN) CNL role delineation. Students will gain knowledge of educational patterns in nursing and the development of the CNL role within the profession. Major issues and trends in nursing will be explored including the scope of practice of the CNL and its potential impact on patient care. The course will introduce students to the legal and ethical contexts of nursing practice and quality improvement. Students will gain beginning understanding of concepts applicable to the CNL role, including lateral integration of care, case management, risk anticipation, outcome assessment, patient education and others. Special emphasis will be placed on the introduction of patient care leadership concepts and the development of basic skills and competencies in problem solving, decision-making, group dynamics, coordination, delegation, collaboration, interdisciplinary communication, and advocacy. Contemporary issues influencing the nursing profession and the CNL role will be explored.

Prerequisites: NURS 505.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 508 - COMMUNITY/PUBLIC HLTH NSG CNL**

This course provides the foundational principles of community and public health nursing using theory, analytics skills, and related clinical experiences. Global, federal, and state and local public health priorities and policy options are examined to illustrate the nursing process for the care of communities and population. The sciences providing the evidence base for community and public health assessment, intervention, and evaluation are integrated into the course. These include introductory epidemiology; community based participatory research (including cultural awareness and competence), nursing and social sciences and qualitative methods. Ethical principles and concepts of social justice are incorporated by analyzing the origins of health disparities especially in cases of special (vulnerable) populations. The U.S. public health system is analyzed relative to the Alma Ata Declaration, U.S. health goals, local emergency preparedness, populations' access to care, and cost. The historical, current, and future role of nurses who care for populations by empowering individuals, families, and communities is critically analyzed. Students apply evidence based interventions in a variety of public and private clinical settings.

Prerequisites: NURS 501, NURS 503, NURS 505, NURS 507, NURS 625 Co-requisite: NURS 509, NURS 511, 736

0.000 OR 5.000 Credit hours

3.000 Lecture hours

2.000 Other hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 509 - THE CHILDBEARING FAMILY CNL**

This clinical course provides an understanding of prenatal, women, and family nursing principles through classroom and seminar experiences. An evidence-based practice approach is used and emphasis is placed on the biological, psychological, social, cultural, and spiritual aspects of the childbearing experience. Course content includes patient centered care and examination of selected societal and technological issues that influence women and families. Students will apply theory into clinical practice through nursing care experiences with women, newborns, and families in a variety of inpatient and outpatient settings. Prerequisites: NURS 503, NURS 505 Co-requisites: NURS 508, NURS 511.

0.000 OR 5.000 Credit hours

3.000 Lecture hours

2.000 Other hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 511 - PSYCHIATRIC NURSING:CNL**

This course provides an understanding of psychiatric and mental health nursing principles through classroom and related clinical experiences in a variety of settings. Course content builds on the American Nurses Association's of Colleges of Nursing Clinical Nurse Leader (CNL) role delineation. Using an integrated biological, psychological, social cultural, environmental, and spiritual approach, students will learn interventions for the care of individuals and groups with psychiatric disorders. Empirical, aesthetic, ethical, and personal ways of knowing are explored as a basis for understanding the holistic needs of persons with psychiatric disorders. Current research, theory, and biological foundations of psychiatric disorders are introduced. Evidence-based interventions, issues of professional and personal involvement in psychiatric mental health nursing, and legal and ethical implications of caring for persons with psychiatric disorders are discussed. The course requires the clinical application of

communication, interpersonal, crisis intervention, cognitive behavioral and motivational interviewing theory and skills. Students apply psychopharmacological principles, critical thinking, patient education skills, support, advocacy and caring in the clinical setting. The therapeutic use of self and the leadership role of the CNL are emphasized. The course provides opportunities for students to learn to function as beginning CNLs in the roles of professional, clinician, outcomes manager, advocate, educator, and life-long learner. Prerequisites: NURS 501, NURS 503, NURS 505, NURS 507, NURS 625.  
0.000 OR 5.000 Credit hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Nursing Department

### **NURS 514 - ADULT HEALTH NURSING FOR CNL**

This course is designed to introduce Clinical Nurse Leader students to the application of the nursing process for clients in acute care settings. Topics fundamental to the provision of client-centered nursing care in the adult acute care environment will be covered. Lectures, discussion, and clinical application will be used to address topics relevant to beginning nursing practices as a clinical nurse leader. Prerequisite: NURS 501, NURS 503, NURS 505.  
0.000 OR 6.000 Credit hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Nursing Department

### **NURS 517 - NURS INFANTS CHILDREN CNL**

This course provides an understanding of how family-centered atraumatic care in the pediatric setting facilitates the health and well being of infants, children adolescents. Course content builds on the American Nursing Association Standards of Maternal and Child Health Practice, American Nursing Association Standards for Practice and the American Association of Colleges of Nursing Clinical Nurse Leader (CNL) role delineation. The role of the pediatric nurse in the provision of therapeutic relationships, family advocacy, disease prevention/health promotion, anticipatory guidance, and support/counseling and health restoration is explored. The biological, psychological, social, cultural, and spiritual aspects of the child within the context of the family unit are examined. The strength and the competence of the family are enhanced through emphasis on the development of mutuality and partnerships between the pediatric nurse and the parents. Current pediatric health issues related to wellness and illness are examined utilizing an evidence-based practice approach. Clinical experiences will afford the CNL student the opportunity to provide nursing care across the continuum of pediatric health care services meeting the physical and psychological needs of infants, children and adolescents in primary, acute, critical and chronic care settings. Opportunities are provided through a variety of clinical experience for the development and refinement of assessment skills, critical thinking and problem solving skills as well as nursing intervention strategies. The emerging role of the CNL is also examined within the constraints of the health care delivery system. Prerequisites: NURS 501, NURS 503, NURS 505, NURS 507, NURS 508, NURS 509, NURS 510, NURS 511, and NURS 625.  
0.000 OR 4.000 Credit hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Nursing Department

### **NURS 523 - CLINICAL NURS LEADER EMPH PRAC**

This course is the capstone clinical practicum and seminar taken in the final semester of the Clinical Nurse Leadership program of study to facilitate the transition from nursing student to clinical nurse leader. Analysis and synthesis of information from all coursework is applied to the delivery of organized, safe, efficient, outcomes oriented nursing care in a variety of clinical situations. The components of the course are the clinical and leadership preceptorship, critical thinking, and career planning. The course provides the student with opportunities to apply knowledge from nursing courses (they may also apply previous knowledge from other spheres) and critical thinking skills to clinical situations, patient care leadership, and case studies. The student works with a clinical preceptor to develop, implement and evaluate objectives specific to the clinical patient care and leadership in the emphasis area. Prerequisites: All program courses are prerequisites to NURS 523 except NURS 701 and NURS 622. NURS 525 must be taken concurrently. This course is taken during the last semester of the program of study.  
8.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 525 - CLINICAL LEADERSHIP**

This course focuses on the leadership roles and management functions expected of the clinical nurse leader in a contemporary healthcare environment. Organizational, economic, regulatory and interpersonal factors that impact nursing practice are explored. The administrative process is emphasized as a framework for analyzing concepts and principles such as system theory, fiscal principles, quality improvement methodologies, planned change and the principle attributes of professionalism, among others. Stress is placed on the development of critical thinking skills and the identification of nursing leadership and research implications. The integration of leadership and management theory and the social responsibility of the nursing profession are emphasized. Prerequisites/Co-requisite NURS 507 and one major clinical course such as, NURS 508, NURS 509, NURS 511, NURS 514 and NURS 517.  
3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 602 - PLNG HLTH CARE POPULATIONS**

Provides selected conceptual and contextual frameworks needed by advanced practice nurses in the delivery of health care services to populations in an evolving health care system. Introduces a variety of theories and models for managing health care of populations from a population perspective. Involves a wide range of learning activities including using quantitative and qualitative epidemiological methods related to health indicators and accessing relevant health databases for health care planning purposes. Planning concepts and quality indicators needed to effect changes in the health status of selected populations provide practice applications. Cultural determinants of care are also addressed.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 603 - NURS IN MASS CASUALTY EVENTS**

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 604 - PHARM OF ANESTH NURS**

This course will provide a comprehensive understanding of the pharmacology of the inhalation anesthetics. The principles of uptake and distribution (pharmacokinetics) of inhalation anesthetics will be discussed along with factors (e.g., flow rates, co administration of N<sub>2</sub>O, and variations in CO) that can influence the rate of rise of alveolar tension. This course will also cover the Pharmacokinetics and Pharmacodynamics of intravenous anesthesia drugs.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 605 - COMPREH ADULT HEALTH ASSESSMNT**

This clinical course is designed to provide the student an opportunity to build on previous knowledge and skills. A major focus of this course is on the assessment process. Students will build on previously learned skills and knowledge to develop advanced skills in obtaining and completing a comprehensive health history and physical, and develop competence in identifying, describing and communicating normal and abnormal findings in a written and oral format. Prerequisite: The graduate physiology course required by the appropriate specialty track is required.

3.000 Credit hours  
3.000 Lab hours

**Schedule Types:** Lecture/Lab

School of Nursing Division  
Adult Health Nursing Department

**NURS 606 - SYST IN HEALTH CARE DELIVERY**

Provides a systems-level analysis of health care policy trends and their effects on organizations and delivery systems, as well as provider and consumer roles in health care delivery. Investigates policy and societal trends affecting health care, the nursing profession and nursing practice. Analyzes health care delivery systems responding to rapidly changing financial incentives that influence the industry at the community, state, national and international levels. Assesses the dynamics of these changes on the roles of health care providers and consumers from the economic, social, organizational, political, ethical, legal and technological perspectives. Examines nursing roles and leadership strategies for influencing policy decisions. Emphasis is placed on nursing's role in affecting the health care environment and on the effects of external forces on advanced practice roles and the profession.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 608 - SPECIAL PROBLEMS IN NURSING**

Provides for alternative learning experiences: independent study, development of specific clinical competencies, classes focusing on a variety of special interest topics or topics of an interdepartmental nature. Registration requires permission of advisor. Students may register for one to three credits per semester with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours

1.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 609 - CRITICAL ISSUES IN HEALTH CARE**

Enables an interdisciplinary group of students to examine the policy, legal and ethical components of a variety of critical issues in health care delivery. Several teaching techniques, including case studies, simulations, mock hearings and panel discussions are used to explore such topics as medical malpractice, rights of patients to refuse treatment, informed consent and substituted consent in medical decision-making, regulation of experimental drugs, cost containment in the health care system and delivery of health care to the poor and indigent. The course is taught by faculty from a variety of disciplines, including law, philosophy, nursing, medicine, dentistry, pharmacy, social work and economics.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 610 - PHARM ANES NURS II**

This course is a continuation of the study of concepts developed in Pharmacology of Anesthesia Nursing I. In this second semester course emphasis is placed on the study of the uptake, distribution, and biotransformation of anesthetic drugs. The course will also provide information on anesthesia drugs used in clinical specialty areas such as obstetric and pediatric anesthesia and local anesthetics. Prerequisites: NURS 604

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 611 - PEDIATRIC ASSESSMENT IN APN**

This course utilizes a seminar format alternating with laboratory and clinical experiences that emphasizes the development of advance practice skills in the health care of infants, children and adolescents. Students have the opportunity to develop and refine their assessment skills as they collect and analyze data in laboratory and clinical settings using a variety of interviewing, examining and recording skills. Role boundaries, role facilitation and barriers to role implementation are analyzed in seminar sessions. Pre-requisite: NPHY 612.

3.000 Credit hours

2.000 Lecture hours

1.000 Other hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 612 - TRENDS & ISSUES WOMEN'S HEALTH**

In this course, information gained in previous courses is synthesized to examine common problems of women in the utilization of the health care system. Discussions include physical, social, economic, political, and legal issues that affect the maintenance of health for women in contemporary society.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

### **NURS 613 - PRINCIPLES OF ANESTH NURS I**

This course provides introductory information pertinent to the clinical practice of anesthesia. Students will build on their previous critical care clinical experience to develop advanced and essential information on providing pre-anesthesia, intra-anesthesia, and post-anesthesia patient care. Emphasis is on basic information in nurse anesthesia about the induction, maintenance, and emergence from anesthesia to include monitoring, patient positioning, and anesthesia record keeping. Additionally, students will build on previously learned skills and knowledge to develop advanced skills in obtaining and completing a comprehensive pre-operative health history and physical. This will allow the student to develop competence in identifying, describing and communicating normal and abnormal assessment findings in written and oral format and using this

information to develop an anesthesia plan of care.  
3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 614 - PRINC ANES NURS II**

This course is designed to further explore and develop concepts taught in principles of Anesthesia Nursing I with an emphasis on the anesthetic management of the pediatric, geriatric and obstetrical patient. The student will review the specific anesthetic needs, unique physiological requirements and specific safety issues for each specialty. Students will learn to modify their standard anesthesia techniques for health adult patients to address the safety issues and unique needs of these groups.

Prerequisite: NURS 613.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 615 - REGIONAL ANESTHESIA**

This course is designed to provide the anesthesia student with knowledge of the anatomy, physiology, pharmacology and clinical aspects of the administration and management of regional anesthesia. The course will review neurophysiology and anatomy, pharmacology of local anesthetics, safety requirements and precautions and contraindications to regional anesthesia as well as correct documentation of regional anesthesia administration and maintenance. Prerequisite: NURS 613 and NURS 614.

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 616 - CHEM&PHYSICS OF ANESTH NURSING**

This first basic science in anesthesia course is designed to present a review of inorganic and organic chemistry followed by the principles of biochemistry as it applies to the practice of anesthesia. Students will build on their previous knowledge to develop an understanding of basic chemistry principles that apply to the physiology and pharmacology related to anesthesia.

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 617 - TECHNOLOGY & PHYSICA ANES NURS**

This course focuses on physics principles required for understanding the mechanisms and actions of anesthetic agents, anesthesia equipment and metabolic theories as they apply to anesthesia practice. Emphasis is placed on the physics of anesthesia including molecular gas laws, density of gases, physics principles as they apply to anesthesia equipment. Students will build on their previous clinical monitoring experiences and expand it to understanding the role of monitoring in vigilance and patient safety during anesthesia. Emphasis is placed on how to check anesthesia equipment to reveal problems before harm comes to the anesthetized patient.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 618 - SPEC PROB IN PRIMARY CARE**

Develops special competencies or facilitates in-depth clinical experience in an independent study format. Students who are not specializing in primary care may elect this experience to study selected concepts relating to primary care nursing. Students may register for varying units of credit, ranging from one to three credits per semester, with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours

1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 619 - CLINICAL PRAC IN PRIM CARE I**



A 250-hour clinical practicum per semester in a variety of community-based clinical settings (including but not limited to); college health services, health maintenance organizations, community clinics, long-term care, assisted living, continuing care retirement communities, occupational health settings, and private practice will stress application of concepts presented in the Diagnosis and Management course. The student will gain increased expertise in communication skills, health assessment skills, interpreting findings, applying epidemiological concepts and developing and implementing plans of care for adults across the lifespan with health maintenance needs, and/or common acute and chronic health problems. The focus of this clinical experience will be on initial workups of new patients, limited short-term relationships with these patients and the evaluation and management of patients with self-limiting acute problems, or stable chronic illnesses as a beginning step in learning diagnosis and management of health problems. Prerequisites: NPHY 612, NURS 605, NURS 634, NURS 723 Co -Requisites: NURS 620, NPHY 614.

3.000 TO 5.000 Credit hours

1.000 Lecture hours

3.000 TO 4.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 620 - DIAG MGMT ADULT PRIM CARE I**

The student will focus on development of critical thinking skills to address health care problems of adults across the lifespan, develop differential problem solving skills and determine appropriate management interventions. The management of common acute and chronic health conditions will include evidence based primary prevention, drug and treatment therapeutics, and referral to other health care providers. Traditional nursing strategies such as education, interpersonal communication, and counseling will continue to be stressed. Case study analyses, group process, lecture and on-line modalities are the principal teaching methodologies used to promote student centered learning. Prerequisites: NPHY 612, NURS 605, NURS 723 Co requisites: NURS 619, NPHY 614.

4.000 Credit hours

4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 622 - SYS & POPUL IN HEALTH CARE**

This core course provides an analysis of critical issues in health care delivery and population health. An overview of the design and structure of the U.S. health care system is presented including the policy, regulatory, financial, technological and social dynamics impacting health care organizations, health care professionals, and consumers of health care services. Building on knowledge of the health care system, the epidemiological bases for local and national health care trends are examined. Issues of cultural diversity, health disparities, and social justice in health care are analyzed. Strategies to enable advanced practice nurses to influence policy and resources allocation to improve health and reduce health disparities are explored. The course should be taken early in the program of study.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 623 - ADV ASSESSMT OF CRITICALLY ILL**

This first clinical course is designed to provide the student an opportunity to develop advanced assessment skills for use with critically ill adults. Students will build on previous knowledge and clinical experience to develop advanced skills in comprehensive assessment of the critically ill including invasive monitoring data, appropriate laboratory and diagnostic procedures. Students will develop competence in identifying, describing, analyzing, and recording normal and abnormal findings. Clinical experiences in critical care settings will provide opportunities for the application of a variety of assessment strategies, and the analysis of a comprehensive database using an organized approach to health assessment at any stage of acute illness. Prerequisites or co-requisite: NPHY 612, NURS 605 New in 2008 & students with NO prior ED or CC experience must take NURS 418 CV nursing as Independent study prior to NURS 623. Students are responsible for assuring that RN Licensure, CPR certification, immunizations and HIPAA verification are current and on file.

0.000 OR 3.000 Credit hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 624 - PAIN MANAGEMENT**

Focuses on current issues and concepts related to pain assessment and management. Utilizes a theoretical and research foundation to explore the affective dimensions of pain, the impact on family or significant others, cost-benefit issues in pain management and the relationship between pain and quality of patient care.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 625 - INTRO GERONTOLOGICAL NURSING**

This first level course is designed to provide the student with the opportunity to systematically explore concepts relevant to successful aging. Emphasis is placed on normal psychosocial and physical factors rather than the pathological changes associated with aging. Factors that affect the delivery of health services and gerontological nursing care are critically discussed. Aging-related research findings for clinical practice are analyzed. Nursing strategies aimed at health promotion and successful aging are developed.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** [Lecture](#)

School of Nursing Division  
Adult Health Nursing Department

### **NURS 626 - PROCESSES OF AGING**

Provides an in-depth analysis of specific concepts related to alterations in health of the older adult, especially the frail older adult. Emphasis is placed on assessment methodologies and research-based interventions designed to assist the individual to cope with acute and chronic alterations in health. Emphasis is on improving quality of care for the most frail and disabled older adults across the continuum of long-term care. Prerequisites: NURS 625, NURS 701. Prerequisite or concurrent: NPHY 614.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 627 - ANESTH NURS PRACT I**

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 628 - SPECIAL PROBLEMS**

Provides alternative learning experiences: independent study, development of specific clinical competencies and classes focusing on a variety of special topics. Students may register for varying amounts of credit, ranging from one to three credits per semester, with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours

1.000 TO 6.000 Lecture hours

**Schedule Types:** [Lecture](#)

School of Nursing Division  
Adult Health Nursing Department

### **NURS 629 - PRIM & SEC PREV CANCER**

In this introductory course for the oncology advanced practice specialty, the student will examine patient-centered issues important in the development and detection of cancer. The center will begin with an overview of cancer epidemiology with emphasis on familial, racial and national disparities in cancer incidence and mortality. The concepts of primary and secondary prevention, risk factors, relative risk, risk perception, risk calculations and risk reduction (primary prevention) strategies will be explored. Particular cancer screening methods will be examined with respect to their sensitivity, specificity, cost effectiveness, and acceptability to patients. Policy issues regarding availability and utilization of cancer screening and prevention programs will be discussed. Cultural issues with respect to patient education, health practices, access to health care, and attitudes toward illness and cancer will be interwoven into all aspects of the course.

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 630 - FPI: HLTH PROMOTION**

This foundational FNP course focuses on health promotion and disease prevention strategies for clients across the life span. It addresses the health promotion role of the FNP in primary care and integrates the goals of Health People 2010. Emphasizing the multi-dimensionality of health promotion and disease prevention within emergent family systems, this course synthesizes

data to formulate a comprehensive management plan for clients across the life span. Prerequisites: NPHY 612, NURS 660 Co-requisites: NURS 631, NURS 660 and NPHY 612.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division

Child, Women's & Family Health Department

### **NURS 631 - FPI: HLTH PROMOTION PRACTICUM**

This is the third of eight sequential courses in the Family Nurse Practitioner Specialty Track within the Master of Science program. It focuses on developing a sound knowledge base for the effective diagnosis and management of selected acute, commonly occurring health problems throughout the life span. This didactic component integrates pathophysiology, pharmacotherapeutics, and psychopathology with growth and development concepts in the context of family theory. It emphasized critical thinking skills required to distinguish cases manageable by the Family Nurse Practitioner and those requiring collaboration with and referral to other health professionals. Prerequisite or concurrent: NURS 655, NURS, NNPY 612.

Concurrent: NURS 630, NURS 660, NPHY 612.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Family and Community Health Department

### **NURS 632 - CLIN MGT COM HLTH PROB**

This is the third of eighth sequential course in the Family Nurse Practitioner Specialty Track within the Master of Science program. It focuses on developing a sound knowledge base for the effective diagnosis and management of selected acute, commonly occurring health problems throughout the lifespan. This didactic component integrates pathophysiology, pharmacotherapeutic, and psychopathology with growth and development concepts in the context of family theory. It emphasizes critical thinking skills required to distinguish cases manageable by the Family Nurse Practitioner and those requiring collaboration with and referral to other health professionals. Prerequisites: NURS 630 and NURS 633.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division

Family and Community Health Department

### **NURS 633 - PRAC MGT COM HLTH PROB**

This is the fourth of eight sequential courses in the Family Nurse Practitioner Track of the Master of Science program. It focuses on the clinical application of critical diagnostic reasoning skills in the case management of acute, commonly occurring health problems encountered across the lifespan. This practicum emphasizes clinical integration of pathophysiology, pharmacotherapeutics, psychopathology, family theory, health promotion, and growth and developmental processes within diverse family practice settings. It stresses the diagnostic and therapeutic role of the Family Nurse Practitioner in Primary Care practice. Prerequisites: NURS 631

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Family and Community Health Department

### **NURS 634 - ADV HLTH ASSESS OLDER ADULTS**

In this clinical course taken concurrently with Health Assessment, the student develops the knowledge and skills necessary for the beginning level of the gerontological nurse in advanced practice roles. The focus is on the assessment of all aspects of the older adult's health status, including health promotion, health protection, and disease prevention. Clinical reasoning skills to differentiate normal changes associated with aging from abnormal findings associated with disease processes are also emphasized. Exploration of the advanced practice nurse role in clinical, geriatric health care settings facilitates the student role transition and realistic understanding of the advanced practice role. Prerequisite: NPHY 612 Co-requisites: NURS 605.

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Organizational Syst & Adult Hlth Department

### **NURS 635 - PRAC PERINATAL NEONATAL CLIN**

4.000 Credit hours

4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 636 - CLIN DIAG MGMT OLDER ADULT**

This course is intended to prepare the student to function as a Gerontological Nurse Practitioner (GNP) in an ambulatory, and/or long term care setting with older adults who present with common acute and chronic health problems. This is the second of three sequential courses in which the student applies assessment skills, laboratory/diagnostic methods, and clinical diagnostic reasoning skills in caring for older adults. Treatment strategies, which include selection of pharmacotherapeutic agents, will be focused to promote the total well being of the older adult to include physical, psycho-social, cognitive, cultural, and environmental components. Follow up health care, referrals and continuity of care will be included. The student will also learn how to determine when referrals need to be made and how to work as part of a collaborative team. Prerequisites: NURS 605, NURS 634 Prerequisite or co-requisite:NPHY 614, NURS 723.

6.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 637 - ANESTHESIA NURS PRACTICUM I**

This course will build on the previous clinical experiences and lectures to allow the student nurse anesthetist to provide comprehensive anesthesia care through the whole spectrum of the anesthesia process. Students will continue to provide pre-anesthetic assessments, develop anesthesia care plans, provide safe and effective anesthesia pre-operatively, intra-operatively and post-operatively. Students will perform at a basic level under the supervision of a Certified Registered Nurse Anesthetist or anesthesiologist. Student will present and discuss cases, clinical difficulties and solutions with peers and faculty in weekly clinical conference. Prerequisite: NURS 614, and NURS 615.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 638 - SPEC PROB PERI-NEONATAL NURS**

Provides for alternative learning experiences: independent study, development of specific clinical competencies, classes focusing on a variety of special interest topics or topics of an interdepartmental nature within the broad category of maternity nursing. Students may register for varying amounts of credit, ranging from one to three credits per semester, with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours

1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 639 - ADV NURS CHLDBEARNG FAM NEONAT**

4.000 Credit hours

4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

### **NURS 640 - MGT COMPLEX HEALTH PROBS**

This is the third sequential course in the Family Nurse Practitioner (FNP) Concentration Program. It focuses on the disease management of complex, chronic healthcare problems in clients across the lifespan. It integrates pathophysiology, psychopathology, pharmacotherapeutics, growth and development, and health promotions into the context of cultural diverse family practice settings. This didactic component emphasizes the ongoing development of critical thinking skills for comprehensive assessment, diagnosis and therapeutic interventions for chronic health care problems in children and adults. Refinement of clinical diagnostic reasoning skills addresses differentiating between those chronic manageable cases that falls within the FNP scope of practice and others that require referral to or collaboration with other health care providers.

Prerequisites: NURS 632.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 641 - CANCER MANAGEMENT**

This is the last of three didactic course required for completion of the Masters' specialty track for advanced practice in oncology nursing. Strategies for cure of cancer, treatment of non-curable cancer, and management of commonly encountered symptoms and side effects due to the cancer itself or to the treatment are discussed using relevant clinical research.

Prerequisites: NURS 629, NURS 723 and NPHY 601.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 642 - PROF ASPECTS ANESTHESIA NURS**

This course is designed to explore various professional issues and national health policy that affects nurse anesthesia practice and the nurse anesthesia profession. Students will review the history and organization of the American Association of Nurse Anesthetists (AANA) and the responsibilities of the nurse anesthesia councils. Emphasis will be placed on the ethics of nurse anesthesia and the legal challenges and responsibilities of a CRNA. Prerequisite: NURS 613 and NURS 614.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 643 - ADV NURSING OF CHILDREN I**

This clinical course emphasizes the role of the Advanced Practice Nurse in the management of acutely ill infants, children and adolescents. Clinical experiences are in hospitals, emergency settings, and trauma/emergent care facilities. The focus of this course is implementation of the nursing process, advanced psychophysiological assessment skills, diagnostic skills, and pharmacological management and treatment plans for children with acute health needs. A strong emphasis will be placed on the needs of families when children suffer acute illness/trauma and community resources that can assist them. An additional focus of the course is the blending of the clinical specialist roles with practitioner skills. Critical or clinical pathways will provide the foundation for exploring the needs of children and families. This course is taught during the eight week summer session.

Prerequisites: NURS 611, NURS 710 and NURS 713.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

**NURS 644 - PRAC MGT COMP HLTH PROB**

This clinical course focuses on the management of commonly occurring, chronic healthcare problems in clients across the lifespan that present in a variety of primary care settings. Emphasis is placed on utilizing critical thinking skills, assessment skills and diagnostic skills for developing and implementing appropriate care plans for all clients in diverse family practice settings. Prerequisites: NURS 640.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 645 - ADV NURSING OF CHILDREN II**

This final clinical course focuses on the emerging role of the Advanced Practice (AP) nurse and the delivery of advanced nursing care within the reconceptualization of the health care system. This course will assist the AP student to develop knowledge and skills needed to influence the scope of nursing practice within the health care setting. This advanced clinical course involves synthesis of all prior coursework, application of critical thinking to the clinical area, implementation of the nursing process, and advanced physical assessment and diagnostic skills. Students will blend the skills of practitioner and clinical specialist in the delivery of managed care to a select population of children and families. They will diagnose, prescribe and intervene as a pediatric nurse practitioner, and provide consultation and education as a specialist. The student must complete 180 hours of direct clinical supervision by the end of the semester. This translates into 10-12 hours of supervised clinical practice each week. Clinical experiences are in acute care settings such as PICU's, step down PICU's, emergency departments or in-patient area such as adolescent or pediatric units. The emphasis of this course is acute care/tertiary care based services and clinical settings used for this course are similar to those for Nursing 643. Clinical conferences will be in the form of grand rounds. Guidelines are included in the syllabus. Prerequisites: NURS 611, NURS 643 NURS 710, NURS 711, NURS 713, NURS 714.

5.000 Credit hours

5.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 646 - ADVANCED PRACTICE ROLE**

This seminar course is the final synthesis course in the advanced practice acute care/tertiary advanced practice pediatric nurse practitioner program. This course will focus on the emerging role of the advanced practice nurse in the acute care or tertiary setting. Areas of emphasis are role realignment, organizational theory, legal and ethical decision-making, collaborative relationships and managed care issues in the health care system. Prerequisites: NURS 611, NURS 710, NURS 711, NURS 713, NURS 714 and NURS 643.

2.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 647 - DIAG MGMT COMMON ACUTE CARE**

This course is designed to provide the student with basic knowledge and skills necessary to practice at the beginning level as an advanced practice nurse with adult populations in acute care settings. The course emphasizes the development of a conceptualization of the role of advanced practice nurse, skills in diagnostic reasoning and clinical decision-making, and the examination of theoretical and empirical bases for advanced nursing practice. Direct practice content will focus on health problems commonly encountered in acutely ill and injured individuals. Indirect practice content will focus on the critical analysis of medical and nursing interventions commonly used with acutely ill adults. Role content will integrate topics related to clinical specialist and acute care nurse practitioners. Clinical experiences in acute care settings will provide opportunities for the development of diagnostic reasoning and beginning management of common acute care problems. Prerequisites: T/CC students NPHY 612, NURS 605, NURS 623, NURS 723. Oncology students: NURS 605, NURS 623 and NURS 723.

5.000 Credit hours  
2.000 Lecture hours  
3.000 Other hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

**NURS 648 - SPECIAL PROB IN NURS OF CHILD**

This course provides alternative learning experiences for the Advanced Practice pediatric nurse practitioner student. These experiences range from independent study, development of specific clinical competencies, classes focusing on a variety of special interest topics or topics of an interdepartmental nature within the broad category of advance nursing of children. Opportunities are provided for the refinement of skills in assessment, diagnostic reasoning and critical thinking; the emerging role of the advanced practice pediatric nurse practitioner within the constraints of the health care delivery system is examined. Concepts regarding managed care from an organizational and administrative perspective are gradually integrated into this clinical course. The student in conjunction with an AP faculty member determines how the clinical hours will fit into the plan of study. Clinical settings include newborn nurseries, HMOs or other primary care/managed care facilities or specialty sites focused on primary care of children with special needs. This is a clinical course. Students are required to complete a clinical log and have the Advance Practice faculty review it at AP faculty to discuss clinical progression and learning goals. Students will also discuss clinical issues/cases seen in clinical practice in a seminar format. Prerequisites: NURS 611.

1.000 TO 6.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 649 - ADV NURS HIGH-RISK NEONATE I**

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

**NURS 654 - PRINCIPLES OF ANESTH NURS III`**

The course will build on the information presented in previous courses to familiarize the nurse anesthetist student with anesthetic drugs, techniques and surgical issues unique to the cardiothoracic patient and the surgical patient with cardiac disease. Prerequisite: NURS 613, NURS 614

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 655 - CNCPTL FNDS IN FMLY THRPY**

This course offers the student an orientation to family theory and various methods and techniques of family therapy directed toward the delineations of family systems and the identification of possible directions and methods of affecting changes in such systems. The course includes a seminar in family concepts related to different family therapy theorists and provides an opportunity for the student to begin to identify a personal operating position on family theory and therapy. Pre/Co-Requisites: NURS 677

2.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 656 - CNCPTL FNDS IN FMLY THRPY/PCTM**

provides an opportunity for students to apply concepts of family therapy in a clinical setting. Assessment of multiple families will be undertaken. Theoretically grounded techniques will be utilized and evaluated. Students will be expected to critically analyze strengths and barriers to the therapeutic use of self in clinical settings. This course offers a student the opportunity to integrate family therapy theory with practice applications and provides an opportunity for students to begin to identify a personal operating position on family theory and therapy. Pre-requisites: NURS 655 and NURS 667.

3.000 Credit hours  
3.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 657 - ANESTHESIA NSG PRACTICUM II**

This clinical course provides opportunity for the student anesthetist to continue to develop judgment, insight and knowledge of clinical practice. Students will provide a pre-operative assessment and develop anesthesia care plans for more complex patients under the direct supervision of a Certified Registered Nurse Anesthetist or an anesthesiologist instructor. Students will operate at a more advanced level, begin to develop more complex anesthesia care plans and administer anesthesia care more independently. Student nurse anesthetists will attend a weekly clinical conference to present cases to their peers and faculty. Students will discuss case problems and achievements and discuss solutions based on discussion with other students and faculty. Prerequisite: NURS 627 and NURS 637

5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 658 - SPEC PROB ADULT PSYCH NURSING**

Provides alternative learning experiences: independent study, development of specific clinical competencies, classes focusing on a variety of special interest topics or topics of an interdepartmental nature within the area of adult psychiatric nursing. Students may register for varying amounts of credit, ranging from one to three credits per semester, with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 659 - ORG & PROF DIM OF NSG PRAC**

This core course provides content related to organizational and professional challenges experienced by nurses in advanced practice whether in clinical care, education, management, or research. The course examines professional, social and organizational factors that influence work of advanced practice nurses. Roles that advanced practice nurses assume are examined with a particular emphasis on leadership development. Leadership strategies address fiscal management; interdisciplinary, inter-and-intra-organizational collaboration; professional and business ethics; and quality improvement. The course encompasses advocacy for the profession and for clients, management of innovation and change, as well as the strategies and skills needed for working in groups. The course is intended to be taken concurrently with clinical courses.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Graduate School Department

**NURS 660 - ADV HEALTH ASSESSMENT FAMILY**

This course focuses on assessment and clinical decision-making in advanced nursing practice within a family context. Students

develop and strengthen skills related to health assessment including physical, psychosocial, cultural, and family dimensions of assessment. Clinical decision-making skill development focuses on appropriate interpretation of multidimensional assessment data and individualization of assessment approaches based on client situation. Emphasis will be placed on proper examination and written documentation techniques. Prerequisite: NPHY 612

4.000 Credit hours

4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 664 - THERAPEUTIC INTERV LIFESPAN**

This graduate seminar course introduces students to selected brief individual and group psychotherapy framework. The course provides an introduction to case formulation and the application of evidence-based interventions in working with diverse clients, significant clinical issues, and populations at risk. Basic issues and treatment strategies in conducting psychotherapy are highlighted. These include the establishment of a therapeutic alliance, patient-centered collaborative planning and treatment, and identification and measurement of therapeutic outcomes. Special emphasis is placed on recognition of the states of change. Students will have the opportunity to discuss, analyze and critique relevant clinical applications to special populations across the lifespan. Legal, cultural and ethical implications of individual and group therapy in the context of the current health care environment will be discussed. Prerequisite NURS 667 and co-requisite: NURS 665

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 665 - THERAP INTERV LIFESPAN PRACT**

This practicum course provides an opportunity for students to apply concepts of brief individual and group psychotherapy across the lifespan. Theoretically grounded brief individual and group therapy strategies form the basis of assessment, intervention and evaluation of treatment outcomes. Students have the opportunity to collaboratively develop therapeutic contracts and work with clients in individual and group therapies (8 hours field work per week +clinical supervision). Clinical supervision will provide students with the opportunity to critique treatment outcomes and therapeutic use of self in brief individual and group psychotherapy. Prerequisite or co-requisite: NURS 667, Co-requisite NURS 664

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 666 - BIOFEEDBACK**

This course will be an entry-level, experiential course in biofeedback, self-regulatory training, and stress-management. The course covers the content areas of the Biofeedback Certification Institute of America (BCIA) biofeedback certification exam. These include basic applied psychophysiology and self-regulation, psychophysiological assessment, biofeedback instrumentation, biofeedback training for various conditions, and issues of professional practice. Students will engage in a wide range of learning activities including lectures, discussions, experiential biofeedback and relaxation training. Students will ultimately be capable of designing brief biofeedback training protocols for patients with selected disorders. Prerequisite: Undergraduate human anatomy and physiology.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 667 - DIF DIAG MENTAL DISORDERS LIFE**

This core specialty course provides the student with the knowledge and skill to perform advanced clinical assessment of mental disorders using the DSM-IV. The course emphasizes a multidimensional approach to assessment that integrates behavioral and social data into a comprehensive clinical evaluation of behavioral dysfunction and mental disorders, with appropriate recommendations for treatment of individuals across the life span. The course incorporates the use and interpretation of psychological behavioral scales, laboratory tests, observational and interview data integrated with the latest scientific knowledge about the biopsychological and socio-cultural dimensions of mental disorders. Clinical applications, appropriate to the student's population focus of study (adult, geriatric, child and adolescent) allow students to complete comprehensive clinical assessments related to the diagnosis and treatment of major mental disorders. Students are encouraged to select patients for clinical assessments from medically underserved and vulnerable populations.

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Behavioral & Community Health Department



**NURS 668 - SPEC PROB IN CHILD PSYCH**

Provides alternative learning experiences: independent study, development of specific competencies, classes focusing on a variety of special interest topics or topics of an interdepartmental nature within the area of child psychiatric nursing. Students may register for varying amounts of credit, ranging from one to three credits per semester, with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 669 - PRIMARY CARE OF WOMEN**

Provides the theoretical and clinical foundation for a nurse practitioner to manage health maintenance and nonlife-threatening disruptions specific to women throughout their life span. Collaboration with other health care providers is emphasized. Content includes normal antepartum and postpartum care, contraception, menopause and common gynecological disruptions, including the prevention and treatment of sexually transmitted diseases. Prerequisites: NURS 611, NURS 619, NURS 620, NPHY 610 for Women's Health Students: Prerequisite or concurrent: NPHY 608.

4.000 TO 6.000 Credit hours  
4.000 TO 6.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

**NURS 670 - ISSUES IN SCHOOL HEALTH**

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 671 - EPIDEMIOLOGICAL ASSESS STRAT**

This course focuses on assessment of physical and social indicators of public health. Epidemiologic methodologies will be stressed, with application to public health problems of the student's choice. Assessment strategies and applications will continue the aggregate focus introduced in the core. The course will build on the public health principles and practices introduced in the community/public health nursing specialty curriculum. Students will be ready to design programs and address needs identified from an empirically based assessment process. Prerequisite or co-requisite: NURS 622

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Behavioral & Community Health Department

**NURS 672 - PRIN ANESTHESIA NURSING IV**

The course is designed to build on the information and techniques presented in Principles of Anesthesia I, II and III with an emphasis on the anesthetic management of the trauma patient including orthopedic, neurosurgical, thermal injury, and emergency patients. The student will review the specific anesthetic need of the surgical trauma patient and the emergency surgical patient. Relevant pathophysiology, assessment process, clinical management and safety issues will be emphasized. Prerequisite or Co-requisites: NURS 627, NURS 637 and NURS 657

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 673 - ANESTHESIA NURS PRACTICUM III**

This clinical course provides opportunity for the student anesthetist to continue to develop judgment, insight and knowledge of clinical practice. Students will provide a pre-operative assessment and develop anesthesia care plans for more complex patients under the direct supervision of a Certified Registered Nurse Anesthetist or an anesthesiologist preceptor. Students will operate at a more advanced level, begin to develop more complex anesthesia care plans and administer anesthesia care more independently. Students nurse anesthetists will attend a weekly clinical conference to present cases to their peers and faculty. Students will discuss case problems and achievements and discuss solutions based on discussion with other students and faculty. Prerequisite: NURS 657

5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 674 - ANESTHESIA NURS PRACTICUM IV**

This course is designed to allow the SRNA to further incorporate previous lectures and clinical experience to provide anesthesia to the entire spectrum of patients at an independent level. Student will provide anesthesia under the supervision of a Certified Registered Nurse Anesthetist or anesthesiologist. Students will provide a pre-operative assessment, develop an appropriate anesthesia care plan and provide a safe anesthetic with minimal input from their supervising preceptor. Prerequisite: NURS 673  
3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 675 - ADV ANESTHESIA NSG SEMINAR II**

This anesthesia course is the second of two designed to integrate the didactic curriculum with several semesters of clinical anesthesia practice. Student Registered Nurse Anesthetists (SRNAs) will review the practice of nurse anesthesia using current information and resources reflecting the standards of practice in the field of nurse anesthesia. Emphasis will be placed on SRNAs reviewing material for the National Certification Exam for Nurse Anesthetists. This exam is composed of major content area including basic sciences, clinical practice of anesthesia, anesthesia specialty areas such as pediatrics and obstetrical anesthesia, anesthesia equipment, history of nurse anesthesia and anesthesia patient safety. Prerequisite/Co-requisites: All Nurse Anesthesiology courses.  
4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 676 - ANESTHESIA NSG PRACTICUM V**

This course is the final clinical practicum of the program. It is designed to provide the student anesthetist a final opportunity to strengthen clinical skills and incorporate current anesthesia practices into their practice. Students will practice under the direct supervision of a Certified Registered Nurse Anesthetist at an independent level. Students will assess patients, develop care plans and provide anesthesia for all types of cases with minimal input from the supervising anesthesia provider. The clinical conference is designed to allow the SRNA to meet with their peers and faculty to discuss recent cases, problems and solutions. Students in their final practicum are expected to assist lower level students to find solutions to their clinical problems. Prerequisite: NURS 627, NURS 637, NURS 657, NURS 673 and NURS 674  
5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 677 - CLINICAL RESEARCH DESIGN**

This course introduces students to the field of clinical research. Topics covered include: types and phases of clinical research, consideration for sampling, study goals including primary and secondary endpoints, protocols, design elements, ethical principles, and consideration of alternative therapies, biotechnology, social science interventions and regulatory requirements. Students will participate in evaluating study design criteria and critically assessing implications for clinical trial organization, legal and regulatory compliance, and establishment of responsible and a collaborative environment for clinical research study personnel. Prerequisite or Co-requisites: NURS 701 or permission or instructor.  
3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 678 - SPEC PROB COMMUNITY HEALTH**

Provides alternative learning experiences: independent study, development of special clinical competencies, classes focusing on a variety of special interest topics or topics of an interdepartmental nature within the broad category of community/public health nursing. Students may register for varying amounts of credit, ranging from one to three credits per semester, with a maximum of six credits per degree.  
1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 679 - ADV PRACT/CNS IN HEALTH CARE**

In this course students analyze the role and influence of the advanced practice nurse/clinical nurse specialist on the health care environment and on the delivery of care. Clinical experiences and seminars focus on the diverse leadership responsibilities of the advanced practice nurse/clinical nurse specialist. Prerequisites: NURS 726 for Trauma, Critical Care, and Emergency nursing students.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 680 - CURRICULUM DEV IN NURSING**

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 682 - TEACHING IN NURSING PRAC**

3.000 Credit hours

3.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 683 - PRAC FOR ADV CLIN PRACTICE**

Supervised experience is provided by each clinical program to prepare the graduate student to function in advanced practice roles. Placement may be in community or home settings, chronic and long-term care facilities and critical care areas.

Prerequisites: NURS 621, NURS 622, NPHY 600. Concurrent: NURS 755.

4.000 Credit hours

4.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 684 - CLIN RESEARCH IMPLEMENTATION**

Standards for the conduct, performance, monitoring, auditing, recording, data collection and analyses and reporting of clinical research that provide the basis for establishing Good Clinical Practice (GCP) will be examined. This includes the management of culturally diverse clinical trials that may involve national as well as international studies. Issues involved in informed consent, records maintenance and storage, management of drugs and devices and required investigator file contents provide a focus for study planning and operational procedures. Patient recruitment and retention methodologies will be detailed. Students will gain experience in meeting regulatory requirements, project management considerations, developing a recruitment campaign, quality assurance techniques and implementing culturally diverse clinical trials. Prerequisites or Co-requisites: NURS 677 or permission of instructor.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 685 - INSTRUCTIONAL STRATEGIES SKILL**

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 686 - PRIN PRAC CLIENTFAM TEACHING**

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 687 - COMP HEALTH ASST OLDER ADULT**

In this course taken concurrently with Health Assessment, the student develops the knowledge and skills necessary for the beginning level of the gerontological nurse in advanced practice roles. The focus is on the assessment of all aspects of the older adult's Health status, including health promotion, health protection, and disease prevention. Clinical reasoning skills to differentiate normal changes associated with aging from abnormal findings associated with disease processes are also emphasized. Exploration of the advanced practice nursing role in clinical, geriatric health care settings facilitates the student's role transition and realistic understanding of the advanced practice role. Prerequisites or concurrent: NPHY 612

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 688 - SPECIAL PROB NURSING EDUCATION**

Develops further competencies in teaching through independent study. Students may register for one to three credits per semester, with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 689 - SPEC PROB CLINICAL SPECIALZ**

Independent study in any area of clinical specialization. Students may register for varying amounts of credit ranging from one to three credits per semester with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 690 - MANAGERIAL HEALTH FINANCE**

Historically, health care managers evolve from an 'apprenticeship' process within their specialized discipline. Little or no formal training is given in business areas like resource management and accountability. This course will provide that training by describing the stresses on and opportunities in the health delivery environment, and by providing practical approaches to budgeting, financial analysis and the management of financial resources. Conceptual and 'real world' issues will be addressed within each topic and the student will be encouraged to supplement the lecture material

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 691 - ORG THEORY APPL HEALTH SVC MGM**

This is the first course of the program in Health Services Leadership and Management and it serves as a foundation for other curriculum offerings. The content is based upon social science theories and the administrative elements of planning, organizing, leading and evaluating, especially as these are evident in the organizational settings. Management principles are outlined and issues related to organizational behavior in the healthcare industry are discussed. A realistic focus is developed through the use of simulation, small group exercises, self assessment instruments, and audio-visual aids. Active involvement is expected of all enrolled participants.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 692 - NURSING AND HEALTH SVC ADMIN**

Management principles and practices are studied in view of the nursing leadership role in health care systems. This course is roughly divided into two sections – professional and organizational dynamics of health systems management. Professional dynamics include an exploration of practice issues, ethics, negotiation, and labor relations. Organizational dynamics include prototypic technology, quality improvement systems, strategic planning, and resource analysis. Content is specific to issues evolving within a constantly changing health care system. Prerequisite: NURS 691.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 693 - CLINICAL RESEARCH PRACTICUM**

This capstone course prepares students for clinical research management (CRM) positions. The course exposes the student to clinical research management in a live research environment. Students work with a preceptor a minimum of 135 hours during the semester and attend a two-hour weekly seminar to integrate theory into practice. Pre-requisites: NURS 677, NURS 681 and NURS 684

5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 695 - PRACT HEALTH SERV LDRSHIP MGMT**

This is the concluding course of Health Services Leadership and Management track preparing students for advanced or executive leadership and management responsibilities in selected health care organizations. The focus of this course is on an administrative/management experience consisting of a minimum of 150 hours throughout the duration of the semester. The practicum allows the adult learner to integrate into organizations at the managerial and/or administrative levels to observe and put into practice a range of LEADERSHIP skills and practices. Discussions and written assignments provide the students with the opportunity for comparative analysis of theoretical and conceptual principles and those experienced in the field setting. Individual aspects for the practicum will be negotiated between the student, preceptor, and faculty facilitator. Students are encouraged to maximize learning experiences and be as flexible as possible. Prerequisites: NURS 690, NURS 691 and NURS 692.

5.000 Credit hours

1.000 Lecture hours

3.000 Other hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 696 - MD HEALTH POLICY & NURSING**

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 697 - SEMINAR IN HEALTH POLICY**

This course synthesized previous nursing and health policy course work. It is the capstone course in the nursing health policy graduate program and requires a commitment to extensive reading of assigned materials and consistent review of current policy reports found in news journals and leading policy publications. A seminar format allows students to test their own views about current policy issues and to dialogue with student's colleagues and faculty mentors. Extensive feedback is provided on policy writing skills, and one's successful socialization to a policy role. Class sessions with nurses and others in key policy roles allow students to identify and evaluate a variety of policy leadership styles and strategies for success in public policy arenas. Additionally, students are introduced to health services research and are encouraged utilize areas of current research to answer perplexing policy problems and build sound rationales for solutions.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 698 - SPEC PROB NURSING ADMIN**

This elective course will advance nurse knowledge of the theoretical frameworks of teamwork, why teamwork matters, how to function as an efficient and effective team member, how to effectively communicate in a team, and how to handle the disagreements and disputes that are an inevitable part of team work. The course will examine how the organizational culture of a given hospital or health care system may shape team processes and impact on patient outcomes. The evidence related to patient safety and health care teams has increasingly focused on the need for well-functioning teams as crucial to reducing medical errors and injuries. This course is designed to help students understand and master teamwork skills in the context of the current health care environment.

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 699 - THEORY PRACT NURS HLTH POLICY**

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 701 - SCI RES ADV NURSING PRACTICE**

Key role expectations for advanced nursing practice across a variety of practice settings include incorporating findings from the research literature and research-related resources into clinical practice, participating as research team members, and developing and implementing small-scale studies in health-related research. This course provides students with essential knowledge and preliminary skills to meet these role expectations, and to position them for subsequent doctoral level education. A dual emphasis upon the research process and research utilization is maintained, building on student's knowledge of research methods and statistics from undergraduate research course including univariate and bivariate descriptive and inferential statistics such as Descriptive statistics, Pearson r, Chi-square, and t-test. Course content and learning strategies address (a) the role of conceptualization and nursing theoretical perspectives in the research process, (b) the interaction of theory, research, and practice in the development of clinical outcomes, (c) research design, sampling, measurement, data collection, and statistics and (d) research integrity. Prerequisites: Prior to taking this course, students should have: computer literacy including skills in word processing and computerized literature searching; Undergraduate research course / statistics course or permission of instructor; and tutorial for on-line courses if the course is taken on-line.

4.000 Credit hours  
4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 704 - PROGRAM EVALUATION IN NURSING**

Introduces various models and approaches available for the evaluation of nursing programs in both educational and service settings. Focuses on the components of various models, their relative strengths and weaknesses and their utility for the evaluation of nursing programs. Opportunities to assess program evaluation efforts in nursing are also provided. Prerequisite: permission of instructor.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 705 - CNCPTS MTHDS MSRMT CLIN ADMIN**

This course examines concepts and methods required to measure clinical and administrative outcomes, with a focus on developing competencies in outcome measurement for advanced practice nurses. Emphasis is on identifying significant issues in care delivery, selecting appropriate outcomes of safe, timely, effective, efficient, equitable, and patient-centered care. Students will use a quality improvement framework to evaluate a practice change in a selected clinical setting through a 45-hour practicum. The evaluation will include selecting a clinical and cost outcome, conducting an analysis to measure the success of the change, an evaluation with recommendations. Common approaches to patient, population and system outcome measurement will be explored. Prerequisite or Co-requisites: NDNP 805 or NURS 851. demonstrated proficiency with statistical program or by permission of instructor.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 706 - INTRO TO NURSE MIDWIFERY**

Provides theoretical and practical preparation to provide women with safe and effective nurse-midwifery care for common health problems. Applies the nurse-midwifery management process and model, which incorporates current theories, evidence-based research and clinical experiences relevant to nurse-midwifery, to the provision of primary care to women. Focuses on advanced health assessment techniques used by nurse-midwives in the management of common health problems and the role of the nurse-midwife as a provider of primary health care. Prerequisite: NURS 605

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 707 - EVIDENCE BASED MENTAL HEALTH**

This course introduces students to the unique challenges of maintaining an evidence-based nursing practice (EBP) in mental health nursing. It provides the student with advanced concepts and skills for developing and maintaining self-directed lifelong learning habits so that current knowledge in the discipline is maintained. During six two-hour sessions and one 3 hours session, students will use independent and collaborative learning techniques to develop these skills.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 708 - SPEC PRO NURSING RESEARCH**

Develops further research competencies through independent study. Registration upon permission of instructor. Variable amounts of credit, ranging from one to three per semester may be taken, with a maximum of six credits per degree.

1.000 TO 6.000 Credit hours

1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 709 - MANAGED CARE SERVICES**

Health care is being restructured as an integrated system with a focus on the management of clients across a continuum care. Increasingly, there is emphasis on preventive health care, quality, and access while decreasing costs. This course provides an analysis of the health care environment relative to managed care; evaluation of patient service models; techniques for resource identification and acquisition; and methods to standardize and evaluate care. It gives a frame of reference that is foundational to understanding care management from an organizational and administrative process perspective. Prerequisite: NURS 691

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 710 - HEALTH SUPV WELL CHILD I**

This is the first clinical course in the combined CNS/PNP program which is entitled Advanced Practice Pediatric Nursing. The purpose of this course is to provide beginning preparation for the student to assume the role of a primary care provider who contributes to and supports the collaborative responsibility, with other members of the health team, for providing quality ambulatory pediatric health services. This is the first of two sequential courses that provide in-depth analysis of theories and behaviors relevant to health promotion and the advanced practice role. Communication and assessment skills, developing case management, and implementing and evaluating strategies to promote emotional, cognitive and physical health of infants and children are emphasized. Two hours of class every week are devoted to helping the student gain a greater knowledge base and increased expertise in applying the nursing process in the advanced practice role. A lecture format is used with emphasis on class discussion. Students are expected to actively participate in identifying and using theoretical and research literature, and focus on the role of educator for families, staff, and peers. Each student must complete 45 hours of direct clinical supervision by the end of the semester. This translates into three hours of supervised clinical practice each week. Settings in which clinical experiences take place focus on primary well child-care such as school based clinics/wellness centers, health maintenance organizations, outpatient well child clinics and private practices. This course focuses on the early years of a child's development and while those areas will be emphasized in clinical supervision, faculty members recognize that it is not always possible to limit clinical experiences by age groups. Students will have the opportunity to present clinical experiences using a grand rounds format. Each grand rounds presentation will last approximately one hour. Students may present either primary care issues or acute/chronic illnesses encountered in practice. Guidelines for grand rounds presentations are included in the syllabus. Students are expected to conduct at least one grand rounds seminar during the semester. Prerequisite: NURS 611

3.000 Credit hours

2.000 Lecture hours

1.000 Other hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

**NURS 711 - HEALTH SUPV WELL CHILD II**

This is the third clinical course in the Advanced Practice Pediatric Nursing program. The purpose of this course is to provide continuing preparation for the Advance Practice student (AP) to assume the role of a primary care provider for school-age children and adolescents. Normal growth and development are emphasized. The role of the advance practice nurse as a collaborator and researcher are highlighted. This is the second of two sequential courses. Four hours of class every other week are devoted to assisting the student to integrate select conceptual frameworks, theory, and research into advance practice. The AP student will discuss developmental strategies as a means of fostering the personal, social, cognitive and physical health of children and adolescents. Emphasis is placed on the use of the nursing process and outcome criteria as well as refining and perfecting communication and assessment skills needed in the promotion and maintenance of healthy school age children and adolescents. A seminar format is used with emphasis on class discussion. Students are expected to actively participate in identifying and using theoretical and evidenced-based literature and to focus on the role of the advanced practice nurse as a collaborator and researcher. Each student must complete 45 hours of direct clinical supervision by the end of the semester. This translates into three hours of supervised clinical practice each week. Settings in which clinical experiences take place focus on primary well child care of school-aged children and adolescents in school based clinics, health maintenance organizations, private practices and adolescent clinics. Opportunities for students to present clinical cases in a seminar format will also be provided. Students may elect to discuss either primary care issues or acute/chronic problems encountered in clinical. Guidelines for the clinical seminar format are included in the syllabus. Prerequisite: NURS 710

3.000 Credit hours  
2.000 Lecture hours  
1.000 Other hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 713 - COMMON HLTH PROB CHILDREN I**

This course prepares the student to identify disruptions in the physical, cognitive, and personal expressions of health of children from birth to ten years of age. The emphasis is on developing a knowledge base of pathophysiological and psychopathological processes. Special consideration is given to the effects of health problems on the growth and development of the child. A problem solving approach is utilized in the selection of regulatory processes most appropriate for various health disruptions. Discussion will involve epidemiology, differential problem solving, and selection of regulatory processes, specific therapeutic measures, and management strategies including primary and secondary prevention. Clinical experiences will take focus upon primary well-child care settings such as school-based clinics/wellness centers, health maintenance organizations, outpatient well child clinics and private practices. This course focuses on the early years of a child's development and while those areas will be emphasized in clinical supervision, faculty members recognize that it is not always possible to limit clinical experiences by age groups. Prerequisite: NURS 611.

3.000 Credit hours  
2.000 Lecture hours  
1.000 Other hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 714 - COMMON HLTH PROB CHILDREN II**

The focus of this second of two sequential courses is on selected health care problems and underlying alterations in health equilibrium. Problems to be considered will be of a complex nature and include those problems that are more prevalent for older children and adolescents. Four hours of class every other week are devoted to assisting the student in problem identification, intervention, and evaluation and evaluation of the effectiveness of interventions will be emphasized. During this course, the student will continue to apply a problem-solving and critical thinking approach to selected disruptions in the health of children, and the effects of these disruptions on the growth and development of the child. The underlying pathological process will be emphasized. Didactic and clinical experiences will include epidemiology, differential diagnosis, selection of management processes, evaluation of the effectiveness of intervention and management, and both the short and long-term implications of the child's health status for the child and the family. Primary, secondary, and tertiary prevention will be emphasized. Students are expected to participate in class discussions, and the demonstrate the application of theoretical and research based literature in their clinical practice. The student must complete 45 hours of direct clinical supervision by the end of the semester. This translates into three hours of supervised clinical practice each week. Sites for clinical experiences include middle school and high school wellness centers, outpatient settings where school ages children and adolescent are seen for primary care as well as treatment of acute episodic illnesses. Other clinical sites used include STD/contraceptive clinics, outpatient clinics, private practices that treat adolescents and children as well as HMO's. In addition, clinical seminars are planned throughout the semester and provide students with opportunities to present/discuss clinical issues regarding both well childcare and acute/chronic illnesses. Prerequisites: NURS 713.

3.000 Credit hours  
2.000 Lecture hours  
1.000 Other hours

**Schedule Types:** Lecture

School of Nursing Division



Child, Women's & Family Health Department

### **NURS 715 - ADVANCED PRIMARY CARE CHILDREN**

This course is designed to assist the AP student to integrate and synthesize the material from all course work including material previously learned and some new concepts relevant to the pediatric nurse practitioner in primary care. There are thirty didactic hours associated with this course. Clinical experiences require that the student assume a more independent role in assessing and managing the health care of children from birth through adolescence as part of a multidisciplinary health care team. Clinical experiences are planned in an area similar to where the AP student wishes to practice post-certification and can include a variety of primary care, ambulatory settings. Examples of clinical experiences used in N715 include private practices, outpatient clinics, rural HMO's and managed care settings. Each student must complete 135 hours of supervised clinical practice by the end of the course. Opportunities for clinical seminars will be provided throughout the length of the course. Students may choose the desired class time to present the clinical issue. The seminar format will be the same used for N710, 711, 713 and 714. However, the student must also discuss role acquisition of the advanced practice role. This component should be included in the clinical log. Prerequisites: NURS 710, NURS 711, NURS 713, NURS 714.

5.000 Credit hours  
2.000 Lecture hours  
3.000 Other hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 716 - DIAG MGMT ADULT PRIMRY CARE II**

This course prepares the student to diagnose and manage complex, multiple and chronic health needs of adults across the lifespan in primary care settings. Diagnostic reasoning skills and advanced decision-making are refined. Specific attention is paid to role, legal, policy, and healthcare finance issues relative to primary care nurse practitioners. The student will focus on the progression of the patient problem, refine differential problem solving skills and determine appropriate management interventions. The student is expected to synthesize previously learned concepts in primary care nursing. Prerequisites: NRSRG 630 Co-requisites: NURS 717, NURS 734.

4.000 Credit hours  
4.000 Lecture hours  
4.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

### **NURS 717 - CLINICAL PRAC PRIMARY CARE II**

In this clinical course taken concurrently with Advanced Diagnosis and Management in Adults Primary Care II, the student functions as an adult nurse practitioner in primary care settings (including but not limited to: college health services, health maintenance organizations, community clinics, long-term care, assisted living, continuing care retirement communities, occupational health settings, and private practice) with adults who have complex and multiple health problems. The student will synthesize and integrate previously learned concepts to promote the health of adults and develop more independent diagnosis and management of patients with multi-system problems. Using a problem solving approach and evidence based practice guidelines, the student will determine an optimal plan in relation to both short and long-term health related goals for clients they see on an ongoing basis. Emphasis is on increased independence and decision-making in a multidisciplinary environment. The student is expected to assume an increased responsibility for the quality of health care rendered and to participate in evaluative activities. Prerequisites: NURS 620, NURS 619, NRSRG 630 Co-requisites: NURS 716.

3.000 OR 5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 718 - WOMEN'S HEALTH ADV PRAC**

Provides the opportunity to provide care to women with complex health problems across the life span. Focuses on implementing advanced practice concepts for nursing care, theoretical models and nursing role for the advanced practice women's health nurse practitioner in a variety of settings, including high-risk perinatal centers, ambulatory women's health centers, home care settings or schoolbased centers.

2.000 TO 6.000 Credit hours  
2.000 TO 6.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

### **NURS 719 - CLINICAL ASPECTS OF DRUG ABUSE**

Emphasizes information on commonly misused and abused psychoactive drugs, the genesis of addiction, the clinical expression of addiction and the use of various types of intervention, therapies and supports. In addition, this course offers opportunities to discuss issues that master's-prepared nurses face when caring for clients who misuse or are addicted to alcohol, tobacco

and other drugs. Course content will be based on ANA standards of care and current research findings.

3.000 Credit hours

2.000 Lecture hours

1.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division

Family and Community Health Department

### **NURS 721 - CELL BIOLOGY TUTORIAL I**

This is a web-based tutorial for doctoral or masters nursing students who want to expand their knowledge of cell structure and function in the human body. Each week, students will formulate and discuss answers to questions on specific topics posed by the instructors concerning the assigned reading.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Nursing Department

### **NURS 722 - CELL BIOLOGY TUTORIAL II**

This is the second phase of a web-based tutorial for doctoral or masters nursing students who want to expand their knowledge of cell structure and function in the human body. Each week, students will formulate and discuss answers to questions on specific topics posed by the instructors concerning the assigned reading. Prerequisite: NURS 721.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Nursing Department

### **NURS 723 - CLINICAL PHARMACOLOGY/THERAPEU**

Provides advanced knowledge of commonly prescribed pharmacologic agents. Rationales for the use of pharmacologic agents in the treatment of selected health problems are presented. Clinical considerations for drug selection and initiation, maintenance and discontinuation of drug treatment are examined. Legal requirements and implications for pharmacotherapy are reviewed. Review the major classifications, actions and side effects of drugs in current use for specific illnesses. Correlate drug action and pathophysiology with signs and symptoms used to monitor therapeutic and toxic effects of drugs. Identify patient related variables that influence the effect of selected drugs and drug classes. Identify issues relating drug administration to desirable and undesirable drug effects. Present the student with basic pharmacologic principles that will facilitate continued competence with respect to the rational use of drugs.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division

Organizational Syst & Adult Hlth Department

### **NURS 724 - SPECIAL PROBLEMS**

Concepts, theories and methodologies from transcultural nursing, sociology and medical anthropology are used to provide a theoretical and conceptual basis for the provision of health services to culturally diverse individuals, families and communities. The course focus is on the exploration of cultural variations among the values and beliefs held by both health care worker and recipients of care, and issues that address cultural competence as related to the delivery of care in a multi-racial, multi-ethnic and multicultural society. Students engage in a range of learning experiences, including, seminar discussion, fieldwork assignment, oral presentations, readings, simulation experiences, individual and group exercises, and self-directed activities that foster experiential learning.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division

Behavioral & Community Health Department

### **NURS 726 - DIAG MNGT COMPLEX ACUTE CARE**

This course is designed to provide the student with advanced knowledge and skills necessary to function as an acute care nurse practitioner. The course promotes refinement of skills in assessment, diagnostic reasoning and clinical decision-making, developing plans of care, and implementing nursing interventions for critically ill patients. The emerging role of the acute care nurse practitioner within the legal constraints of the health care delivery system is analyzed. The theoretical and empirical basis for diagnosing and managing adult patients with complex acute care problems is examined. Clinical experiences focus on collaborative care of adult patients with complex health problems. Pre-requisites: T/CC Students: NPHY 612, NURS 605, NURS 623, NURS 723, NURS 647 Oncology Students: NPHY 612, NURS 605, NUR 623, NURS 723, NURS 647.

4.000 Credit hours

2.000 Lecture hours  
2.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

### **NURS 727 - ADVANCED ACUTE CARE MGMT**

This final clinical course emphasizes increased independence in the assessment, diagnosis and management of acutely ill adults with multi-system problems. Clinical experiences and seminar sessions are designed to assist the student to integrate and synthesize previously learned concepts in managing acutely ill adults across the continuum of acute care. The emphasis of the course is on increased independence and decision making in an inter-professional environment. Clinical and professional practice issues are explored. Pre-requisite: NURS 726. Students are responsible for making sure that current RN licensure, CPR certification, ACLS certification, immunizations, HIPAA verification, and any other requested institution-specific documentation, is on file with the faculty. Failure to maintain proper documentation will result in dismissal from the clinical rotation.

4.000 Credit hours  
3.000 Lecture hours  
1.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 728 - LEGAL & REGULATORY ISSUES**

Presents an overview of the legislative, regulatory and judicial systems of national and state governments as sources of health care law. Selected court decisions that include nursing malpractice, patients' rights, informed consent, termination of treatment and assisted suicide are discussed. Class time will be allocated to research laws affecting health care providers in the Annotated Code of Maryland and the Code of Maryland Regulations. Students meet with representatives to the Maryland General Assembly and attend a legislative hearing. Variable credit: 2 credit seminar, 1 credit special project.

2.000 TO 3.000 Credit hours  
2.000 TO 3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 729 - ESSENTIALS OF MANAGED CARE**

Provides an overview of concepts and principles fundamental to understanding a system dominated by managed care. The health care environment, pertinent organizational structures, financing arrangements, disease management strategies and accreditation mechanisms are examined. Emphasizes nursing implications, public policy reform initiatives and ethical dilemmas. Variable credit: 2 credit seminar, 1 credit special project.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 730 - ENVIRONMENTAL HEALTH I**

The course is an overview of environmental areas for study, emerging environmental issues, major environmental health hazards and identification of responsibilities for advanced practice nurses and other health professionals. The history of environmental health legislation and regulatory agencies will be reviewed. A framework for analyzing major environmental health issues will be used to explore how the environment can influence health. Recognition of the need for interdisciplinary teamwork in assessment, diagnosis and community-wide or population-based health promotion/disease prevention interventions will be identified. Prerequisite or Concurrent course work skills: National Library of Medicine & Toxicology Tutorial1 (basic principles) & <http://www.sis.nlm.nih.gov/ToxTutor.html> (3 hour computer-based introduction to toxicology).

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Behavioral & Community Health Department

### **NURS 731 - INT MGT PRIM HLTH PROB**

This is the seventh sequential course in the Family Nurse Practitioner Specialty Track. As a didactic component of the specialty, emphasis is placed on the multi-faceted implications of the role of the advanced practice nurse. It provides the forum for addressing role issues encountered in primary care settings, comparing clinical experiences, implementing marketing strategies, and clarifying professional practice requirements. Emphasis is also placed on management of comprehensive healthcare in the family practice setting, covering disorders common to this area of advanced practice nursing. Prerequisites: NURS 605, 611,

630, 631, 632, 633, 640, 644, 723, NPHY 610, NPHY 600, NPHY 612 Co-requisites: NURS 741

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division

Family and Community Health Department

### **NURS 732 - PROGRAM PLANNING AND EVAL**

Focuses on the systematic inquiry of the foundations of advanced community/public health program planning and evaluation. Emphasis on the assessment, planning and evaluation of population/community focused health promotion/disease prevention programs and projects. Prerequisite: NURS 622 and permission of the faculty, NURS 762.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division

Family and Community Health Department

### **NURS 733 - LEADERSHIP COMM PH NURSING**

Building on the epidemiological assessment and program development skills obtained in prerequisite courses, student will analyze and evaluate health promotion/disease prevention programs. Analysis of organizational systems will be an essential precursor to outcome measurements. In addition, advanced communication and leadership skills will be discussed in various legislative, political and community settings. To obtain funding for program, the components of writing a grant proposal will be reviewed. Prerequisites: NURS 622, NURS 659, NURS 671, NURS 732, advanced computer skills (word processing; spread sheets and some familiarity with data analysis software program such as EPI info 6, SAS, SPSS, CASA, etc.

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Nursing Department

### **NURS 734 - ADV DIAG MGMT OF OLDER ADULTS**

This is the final in a series of three clinical courses designed to teach the student to develop his/her ability to assess, diagnose and treat the older adult in a variety of settings. The focus is on more independent diagnosis and management of patients with complex or multiple problems. This course consists of parallel clinical experience and seminar sessions which are designed to assist the student in integrating and synthesizing previously learned concepts in care of the older adult in ambulatory and long term care settings. A case study approach is utilized to help students improve assessment, differential diagnosis skills, diagnostic work-up skills, and development of appropriate therapeutic interventions. Prerequisites: NURS 605, NURS 634, NURS 636.

7.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Adult Health Nursing Department

### **NURS 735 - APPLIED TOXICOLOGY**

Surveys the principles of toxicology that pertain to human health and the environment. Includes the historical background of toxicology; principles of absorption, distribution, metabolism and elimination; effects of toxic agents, food additives and pollutants with effects on general and susceptible populations; comparative effects on other animal populations; risk communication and the integration of these principles into public health practice. Provides knowledge and working insight into toxic environmental hazards that can affect the diverse human populations that are served by community health nurses and other public health professionals. Uses an interdisciplinary approach to meet course objectives.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division

Nursing Department

### **NURS 736 - INFO TECH NURSING HEALTH CARE**

This introductory course in nursing informatics is designed to foster the attainment of the knowledge, skills and abilities essential for beginning a successful career as a nursing administrator, educator, or expert clinician in an information technology enabled health care environment. The organizing framework develops themes of social context, technology, information, nursing and healthcare. Emphasis is given to the nursing application of information technology. Components of computer technology are identified and defined, and their functions analyzed. Clinical, administrative, and educational computer applications are analyzed. Resources that can assist the nurse and health care professional learn more about computers in health care are discussed. The social, ethical, and legal issues associated with information technology enabled health care delivery systems are analyzed. Learning activities include using word processing, database management, and spreadsheets as nursing tools; identifying bibliographic resources through on-line computer searching; evaluating computer software; and

analyzing principles of automated administrative systems to propose solutions for existing concerns in nursing.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 737 - CONCEPTS OF NURSING INFORMATICS**

This second level nursing informatics course is designed to further develop the skills of information technology applications introduced in NURS 736 and to emphasize the principles and practices of Nursing and Health Care Informatics. The organizing framework introduced in NURS 736 is continued, with themes of social context, technology, information, and nursing and healthcare. Functions of the Informatics Nurse Specialist, including system selection, implementation, research and evaluation are explored in depth. Organizational theories are considered in relation to information system planning, implementation, and evaluation. In addition, the analysis of health care data and its language, the management of ongoing information systems for health care, and the use of technology standards in system development are examined. The impact of information systems on healthcare provider roles and on emerging information technology roles is also analyzed. Learning activities include development of an information system selection document for an appropriate information system to meet identified health care needs; planning the implementation of an information system; and identifying the impact of selected trends on the design of health care information systems. Critical thinking and analytic skills will be applied to discussions and assignments (e.g., investigation of informatics research literature). Prerequisites: NURS 736, NURS 786. Prior or concurrent completion of NURS 701 is beneficial.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 738 - PRAC IN NURSING INFORMATICS**

Practical experience in selected agencies/businesses with preceptors reinforces and enhances the skills needed by informatics nurse specialists to analyze, select, develop, implement, and evaluate information systems that impact nursing and health care. Experiences also allow students to analyze the information technology roles of their preceptors. Experience in project management, consultation, user interface, systems design, evaluation of system and role effectiveness, and applications of research skills are emphasized. During the practicum, students will work with informaticians who are functioning in the field of nursing/health informatics. Students will be assigned to health care agencies, healthcare information technology businesses, or healthcare consulting firms for the practicum. Prerequisites: Prior or concurrent completion of all required courses.

3.000 Credit hours

1.000 Lecture hours

2.000 Other hours

**Schedule Types:** Clinical

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 740 - ADV PRAC PSYCH NURS INTERNSHIP**

This capstone course is designed to provide the student with opportunities to synthesize learning experiences in psychiatric nursing. Under the guidance of a qualified preceptor, the student will enact the advanced practice psychiatric clinical specialist or psychiatric nurse practitioner role, applying theoretical and experiential knowledge from all previous course work. The clinical practice requirements are based on the expected competencies for the advanced practice nurse in psychiatric mental health nursing as outlined by the American Nurses Association (2006) and the National Organization of Nurse Practitioner faculties (2003). Clinical conference sessions are designed to assist problem-solving framework, to determine optimal psychiatric mental health care for individuals, families, groups and special populations. Prerequisites: NURS 605, NURS 667, NURS 751, NURS 752 and at least one psychotherapy course. Students needing to take any of these courses as co-requisites should check with their advisor.

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 741 - PRAC INT MGT PRIM HLTH PROB**

This is the eighth sequential course in the Family Nurse Practitioner Specialty Track. As a clinical component of the specialty, emphasis is placed on the multi-faceted implications of the role of the advanced practice nurse. This final clinical practicum focuses on preparing Family Nurse Practitioner students to function independently at a beginning level of practice in a variety of clinical practice settings. Individualized practice with designated preceptors provides the integrative clinical experiences necessary to refine specialized knowledge and skills in family practice and selected primary care clinical settings. It emphasizes continued development and refinement of clinical management skills and facilitates synthesis of advanced practice nursing roles. Pre-requisites: NURS 605, 611, 630, 631, 632, 633, 640, 644, 723, NPHY 610, NPHY 600, NPHY 612 Co-requisites: NURS 731.

7.000 Credit hours

**Schedule Types:** Clinical, Lecture

School of Nursing Division  
Child, Women's & Family Health Department

**NURS 742 - PRIM CARE OF HIGH-RISK NEONATE**

The seminar will provide students with the skills necessary to provide primary health care to high risk infants in the home and follow-up clinics. The clinical component will include preparation for discharge, community resources, home visits, and experience in the ambulatory setting. Small group clinical seminars will focus on critical analysis of primary health care issues for the high risk infant in the home and follow up clinic. Through clinical practice the student will demonstrate advanced clinical skills in the assessment, intervention and management of the high-risk infant after discharge from the acute care setting, through the first year of life.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 743 - NEONATAL PED PHARMACOLOGY**

This course focuses on the application of advanced pharmacological principles utilized in the therapeutic management of common health care problems experienced by neonatal and pediatric patients. Prerequisite: NPHY 630.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

**NURS 744 - RESEARCH SEMINAR ENVIR HEALTH**

This interdisciplinary research seminar will focus on the critique of environmental health studies with a special emphasis on understanding the challenges involving exposure assessment, defining and measuring health outcomes, and methods of participatory research. Students will begin to formulate research questions to examine the practice of nursing and other disciplines within the context of environmental health.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 748 - ADV NURS HIGH-RISK NEONATE II**

The purpose of this third clinical course is to continue the development of the role of the advanced practice nurse in the management of normal and high-risk families and infants. The focus of the course is to continued development of the knowledge, skills, and attitude needed for expert physical and psychosocial assessment of high-risk neonates and their families. Special emphasis will be placed on conditions and situations common to the neonate experiencing complications. In particular, students will focus on the acquisition of the psychomotor skills required for the care of high-risk neonates.

Prerequisites: NPHY 630, NURS 639, NURS 649 and NURS 743.

1.000 TO 7.000 Credit hours  
1.000 TO 7.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

**NURS 749 - ADV NURS HIGH-RISK NEONATE III**

This fourth clinical course is the final synthesis course in the clinical sequence. Students will continue to manage care of the high-risk neonate with an emphasis on developing collaborative relationships with other members of the health team. In completion of this course, and NURS 742, Primary Care of the High Risk Neonate, the student will meet all eligibility requirements specified by the National Nurse Practitioner. Continuing discussion of the advanced practice role is also completed in this course. Prerequisites: NPHY 630, NURS 639, NURS 649, NURS 743 and NURS 748.

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 750 - INTERDISC SEMINAR ENVIR HEALTH**

This interdisciplinary course will introduce students to various roles that occupational and environmental medicine physicians, occupational health nurses, environmental health nurses, industrial hygienists, toxicologists, and environmental health epidemiologists, attorneys, and journalists play in promoting environmental health. Students from these various disciplines will work together on case studies in environmental health designed to demonstrate the interdependent activities of all disciplines in effectively promoting the environmental health of a community. Prerequisites: NURS 730 and NURS 735 or permission of the instructor.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 751 - PSYCHOPHARMACOLOGY**

This course is designed to provide knowledge of the pharmacokinetics, pharmacodynamics, ethnopharmacology and clinical use of psychotropic medications. The features of major mental illness will be reviewed in the context of their treatment and psychotropic categories, including antidepressants, mood stabilizers, anxiolytics, antipsychotics, medications for detoxification, treatment of substance abuse, and Alzheimer's disease. Understanding of the mechanisms underlying positive and negative effects, toxicities, drug & drug interactions and drug & illness interactions will be an important focus of the course, as will the study of pharmacological treatment of psychiatric illness in a range of medically ill patient populations. Relevant ethnopharmacological issues will be discussed. Didactic teaching will be augmented by discussion of cases presented by the instructor, with classroom discussion of treatment strategies. Performance of screening/ monitoring tools like AIMS (abnormal involuntary movement scale) and MMSE (mini mental status examination) will be emphasized. The emphasis of this course will heavily gear toward clinical usefulness, with the basic science material presented in a way that directly relates to clinical treatment and prescribing. Evidence based approach for clinical practice is emphasized. In addition to required textbooks, reputable mental health on-line journal and on-line practice guidelines are important resources for the many clinical cases for classroom discussions. Prerequisite: NURS 667. Concurrent: NURS 752.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Behavioral & Community Health Department

### **NURS 752 - NEUROPHYSIOLOGY MENTAL DISORDER**

This foundational course introduces students to the neurobiological aspects of psychiatric disorders across the lifespan. The lectures will build from a review of basic neuroscience including neuroanatomy and neurophysiology to the study of selected functional system of the brain. Current neurobiological research on selected psychiatric disorders will be described. The fundamentals of neuroimaging, EEG and other neurodiagnostic approaches will be discussed.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 753 - PRAC LDRSHP PUB HLTH NURS**

This is a 180-hour capstone clinical course (165 hours in clinical and 15 hours in seminar) that provides students with an opportunity to synthesize and apply knowledge acquired in nursing core and community health courses. It provides an opportunity for students to develop leadership skills. This course involves a precepted clinical public health nursing leadership placement, an analysis of leadership experience, and the completion of a project such as development of a new program initiative, planning for change in an organization's activities, evaluating an activity, analyzing a leadership or policy issues, analyzing and evaluating health promotion/disease prevention outcomes, and participating in a community development project. Seminars related to clinical experience will be held every week for one hour. Prerequisites: This is a capstone clinical course that requires completion of the following nursing core and community health courses: NURS 602, NURS 723, NURS 762, NURS 671, NURS 701, NURS 761, NURS 606, and NURS 733. The didactic course in leadership in community/public health nursing, if not concurrent, needs to be taken prior too clinical (Recommend that clinical occur within one year of didactic).

4.000 Credit hours

4.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 754 - PSYCHOPHARM CHILD & ADOL**

This once credit seminar is designed to complement NURS 751 and NURS 752 and to expand the student's knowledge of psychopharmacology with children and adolescents. The seminar provides small-group presentation and discussion of the use of psychopharmacologic agents with children and adolescents using applied practicum cases at an advanced level. Particular emphasis is placed on integration of theory and practice, and in-depth examination of the modifications in psychotropic drugs required for children and adolescents. Current research, cultural, ethical and legal issues surrounding psychopharmacology with children is important dimensions of discussion. Prerequisite or Co-requisites: NURS 661 and NURS 751.

1.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 755 - FAMILIES IN CRISIS**

This course introduces students to the systems theory orientation for understanding human functioning as well as the application of this orientation to personal, patient/family, and nursing care delivery systems. The family is the unit of study. The student will analyze and critique concepts of family systems theory. Recent research and development of family systems will be explored. Current psychological, social and ethical issues involving families will be discussed. The course included a seminar focused on defining systems theory and its application to issues and situations in various health care settings (acute, trauma/critical care, chronic, inpatient, outpatient, and long term care facilities).

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 757 - FAMILY SEMINAR II**

1.000 Credit hours

1.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 758 - PRAC IN FAMILY HEALTH I**

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Clinical

School of Nursing Division  
Child, Women's & Family Health Department

**NURS 760 - AGING AND CINEMA**

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 761 - POP AT RISK IN COMM PUB HEALTH**

Students will learn about the mission of public health and the various organizations that support the responsibilities of public health at the international, national, and local level. Processes and dynamics, such as family systems, support, and risk communication that influence public health and populations at risk will be explored. A risk assessment analysis will be used to select a population at risk. Factors that influence the effectiveness of health promotion. /disease prevention programs and projects targeted to aggregates, families, and populations will be analyzed. Responsibilities of community/public health practitioners, including clinical nurse specialists, will be explored in relation to core public health functions: assessment, policy development and assurance. Pre-requisite or Co-requisite: NURS 622 or permission of the faculty.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 762 - PRACT PROG PLN AND EVAL**

Focus is on the application of systematic inquiry of the foundations of advanced practice in community/public health program planning and evaluation. Emphasis is on the assessment, planning and evaluation of population/community focused health promotion/disease prevention programs and projects. Co-requisite: NURS 732 and license to practice nursing in state of selected nursing clinical site.



3.000 Credit hours  
3.000 Lab hours

**Schedule Types:** Lecture

School of Nursing Division  
Behavioral & Community Health Department

### **NURS 763 - ENVIRN HEALTH NSG PRACTICUM**

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 764 - ADVANCED ENVIRONMENTAL HEALTH**

Building on the basic information about environmental health provided in NURS 730, this course continues to explore the relationship between environmental exposures and human health outcomes. The effect of polluted or contaminated air, water, soil and food will be presented. The role of health care professionals in addressing environmental health threats and disease prevention will be discussed. Prerequisites: NURS 730.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 767 - LEADERSHIP FOR MAGNET STATUS**

The Magnet Recognition Program, administered by the American Nurses Credentialing Center (ANCC), is designed to recognize acute care nursing services that have achieved high levels of excellence in the provision of nursing services and demonstrate the ability to attract and retain professional registered nurses. Designation as a Magnet Hospital is the highest level of recognition that ANCC can accord to an organized nursing service. This course critically examines the history, structure, procedures and processes of the Magnet Recognition Program. Particular attention is given to the methodology used to evaluate applicant agencies and the nursing research base related to the Magnet phenomena is explored.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 768 - CLIN PRAC ADULT ACROSS LIFESPA**

A 225- hour clinical practicum per semester in a variety of community-based clinical settings (including but not limited to ) college health services, health maintenance organizations, community clinics, long term care, assisted living, continuing care retirement communities, occupational health settings, and private practice will stress application of concepts presented in the Diagnosis and Management course. The student will gain increased expertise in communication skills, health assessment skills, interpreting findings, applying epidemiological concepts and developing and implementing plans of care for adults across the lifespan with health maintenance needs, and/or common acute and chronic health problems. The focus of this clinical experience will be on initial workups of new patients, limited short-term relationships with these patients and the evaluation and management of patients with self-limiting acute problems, or stable chronic illnesses as a beginning step in learning diagnosis and management of health problems. Prerequisites: NPHY 612, NURS 605, NURS 687, NURS 723, Co -requisites: NURS 777, NPHY 614.

5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 769 - SOCIETY HEALTH & SOC JUSTICE**

This course examines social, cultural, and political-economic determinants of health from sociological and social epidemiological perspectives. The concept of social justice is used as a conceptual framework to investigate population health inequities that exist in social class, race, ethnic and gender groups in the United States. The course addresses the central question: ¿How does the structure of the society influence the health and illness experience of its population?¿ The course examines what a¿ society is, how it works, and what the pathways are through which social forces differentially impact class, race, and gender groups. The course will focus on specific mesosocial contexts, such as the workplace, the community and the physical environment, which are particularly important in transmitting macrosocietal forces to the individual. The process of globalization and the role of social movements in shaping public health will also be discussed. The course concludes by examining innovations in health policy and practice that are currently emerging in an effort to address the adverse health impact of inequitable social environments. Prerequisites: None for masters or doctoral level students, permission of instructor for undergraduate students.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 771 - ANTEPARTUM MIDWIFERY**

Provides theoretical and practical preparation to provide women with safe and effective nurse-midwifery care during an essentially normal pregnancy. Applies the nurse-midwifery management process and model, which incorporates current theories and evidence-based research and clinical experience relevant to nurse-midwifery, to the provision of care to healthy women and women at risk. Focuses on health promotion, addresses risk assessment of deviations from normal in pregnancy and addresses collaboration with other health professionals.

4.000 Credit hours

4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 774 - INTERCULTURAL NURSING II**

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Behavioral & Community Health Department

**NURS 775 - HOME HEALTH CARE NURSING**

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 777 - DIAGNOSIS MGMT ADULTS**

The student will focus on development of critical thinking skills to address health care problems of adults across the lifespan, develop differential problem solving skills and determine appropriate management interventions. The management of common acute and chronic health conditions will include evidence based primary preventions, drug and treatment therapeutics, and referral to other health care providers. Traditional nursing strategies such as education, interpersonal communication, and counseling will continue to be stressed. Case study analyses, group process, lecture and on-line modalities are the principal teaching methodologies used to promote student centered learning. Prerequisites: NPHY 612, NURS 605, NURS 723.

Concurrent: NURS 768, NPHY 614.

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 778 - GYNECOLOGICAL MIDWIFERY**

Provides theoretical and practical preparation to provide safe and effective nurse-midwifery care to essentially healthy non-pregnant women throughout the life-span. Applies the nurse-midwifery management process and model, which incorporates current theories, evidencedbased research and clinical experiences relevant to nurse-midwifery, to the provision of care to healthy women and to women at risk who seek gynecologic care including family planning, preconception counseling, late postpartum care, perimenopausal and menopausal care and care for sexually transmitted diseases and reproductive tract infections. Emphasizes health promotion, appropriate screening, cultural sensitivity and family-centered care. Prerequisite or concurrent: NURS 605

4.000 Credit hours

4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

**NURS 779 - INTRAPARTUM MIDWIFERY**

4.000 Credit hours  
4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Child, Women's & Family Health Department

### **NURS 780 - MIDWIFERY PROFESSIONAL ROLES**

Provides theoretical and practical analyses of the professional role of the certified nurse-midwife. Addresses the history of nurse-midwifery, components of the nurse-midwifery role, the administrative and economic issues of nurse-midwifery practice, legislative and regulatory issues, collaboration with other professions and legal and ethical issues in nurse-midwifery practice. Prerequisites: NPHY 608, NURS 605, NURS 706, NURS 723, NURS 771, NURS 778, NURS 779. Concurrent: NURS 782.

1.000 Credit hours  
1.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 781 - ADV ASSMT COMPUTER-ASST INSTR**

Explores the psychological underpinnings of computer-assisted instruction and challenges the participants to apply those theories in the development of working products. Introduces several software authoring products available on the market (e.g., Authorware, Toolbook, Hyper-Card), and focuses on Hyper Text Markup Language (HTML), the language that forms the basis of the phenomenon known as the World Wide Web. Media-rich interactive programs in HTML are produced and made available on the World Wide Web. Prerequisite: NURS 685 or permission of instructor.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 782 - COMPLEX MIDWIFERY**

Provides theoretical and practical preparation to provide safe and effective nurse-midwifery care to women and newborns who are at risk or require complex care. Applies the nurse-midwifery management process and model, which incorporates current theories, evidence-based research and clinical experiences relevant to nurse-midwifery, to the provision of care to women and newborns and to women during pregnancy, childbirth, the postpartum period and throughout the lifespan. Emphasizes an enhanced research-based knowledge of perinatal and gynecological complications, triage, risk assessment and collaborative practice. Prerequisites: NPHY 608, NURS 605, NURS 706, NURS 723, NURS 771, NURS 778, NURS 779. Concurrent: NURS 780.

7.000 Credit hours  
7.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 783 - MIDWIFERY INTEGRATION**

Concludes the theoretical and practical preparation to provide safe and effective nurse-midwifery care both to healthy women, with a focus on the childbearing years, and to healthy newborns, as well as to women and newborns who are at risk or in need of complex care. Focuses on the assumption of direct responsibility for the management or co-management, collaboration or referral as appropriate, of the patient's obstetrical and gynecological or neonatal care. Applies the nurse-midwifery management process and model, which incorporates current theories, evidence-based research and clinical experiences relevant to nurse-midwifery, to the provision of care. Applies the knowledge acquired during previous coursework and clinical practice in a collaborative, independent, comprehensive and safe manner with preceptors and faculty who serve primarily as resources to confirm or augment management plans. Prerequisites: NPHY 608, NURS 602, NURS 606, NURS 701, NURS 706, NURS 723, NURS 771, NURS 778, NURS 779, NURS 780, NURS 782.

8.000 Credit hours  
8.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Family and Community Health Department

### **NURS 784 - INFO TECH PROJECT MANAGEMENT**

The course provides an overview of the methodologies, procedures and politics for the management of projects in the healthcare information technology marketplace. It provides a practical examination of how projects can be managed from start to finish, including specific emphasis on planning to avoid common pitfalls. Topics include essential project management

concepts of needs identification, scope identification, scope change management, project planning, scheduling, resource allocation, roles, responsibilities, communication, work management, and what to do when challenges arise. The course will be based on a model for healthcare informatics practice and students will learn to plan, organize, direct and control information technology projects.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 785 - HEALTH CARE DATABASE SYSTEMS**

This course addresses how data are captured, stored, structured, processed and retrieved. The content will include relevant examples and practical applications of database design, construction, implementation, and maintenance within a healthcare context. Central topics include database design, data structures and modeling, development of database management systems, manipulation of data within a database using query languages, database security, and using a database to address relevant problems in varied healthcare settings. As a project-based course, students will be expected to design and implement a small scale database system to be deployed in an applied healthcare environment. Note: THIS IS NOT A MICROSOFT ACCESS COURSE! This course is designed to give you a foundation in database principles. Prerequisites: Working knowledge of Microsoft Office products essential.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 786 - SYS ANALYSIS & DESGN HLTHCARE**

Information systems development is a process in which technical, organizational, and human aspects of a system are analyzed and changed with the goal of creating an improved system. In spite of the advanced technology surrounding computer-based information systems, the process of systems analysis and design is still largely an art. There is a high dependence on the skills of individual analysts and designers even though there are established principles, methods, and tools. This course will give students an understanding of the most common tools, techniques, and theories currently used in systems analysis and design.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 787 - THEO FOUND TEACHING LEARNING**

This course will provide a foundation in theory and application of essential knowledge for education in a variety of settings. Content includes the teaching/learning process, the learning environment, organizational standards, theories of learning, and organization of teaching and learning.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 788 - COMPLEX CLIN PRACT ADULTS**

This course will build on concepts presented in the Diagnosis and Management of Adults Across the Lifespan (NURS 620) course. The focus is on refining health assessment skills, interpreting findings, developing and implementing appropriate plans of care to meet common health maintenance needs of adults and to promote the health of adults with more complex health problems. The student will gain increased expertise in communication skills, health assessment skills, interpreting findings, epidemiological concepts and developing and implementing plans of care. The emphasis will be placed upon managing an aging population with complex, chronic healthcare needs and promoting healthy behaviors across the lifespan. Prerequisites; NURS 768, NURS 777

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 789 - ADV DIAGNOSIS MGMT ADULTS**

This course prepares the student to diagnosis and manage complex, multiple and chronic health needs of adults across the lifespan in primary care settings. Diagnostic reasoning skills and advanced decision-making are refined. Specific attention is paid to role, legal, policy, and healthcare finance issues relative to primary care nurse practitioners. The student will focus on the

progression of the patient problem, refine differential problem solving skills and determine appropriate management interventions. The student is expected to synthesize previously learned concepts in primary care nursing. Prerequisites; NURS 788 Co-requisite: NURS 794 and NURS 795

4.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 791 - INSTRUCT STRATEGIES AND ASSMNT**

This course prepares the student to select and implement instructional strategies and media that are appropriate to the learning style of the learner, the content to be taught, the behavioral objectives of the learning material and the processes of learning. The course includes both didactic and experiential experiences and provides a strong linkage to techniques for evaluating the impact of various instructional strategies on learning. Attention is given to basic measurement principles of reliability and validity, test construction, assessing skill acquisition and competence, and interpreting results from measures. Prerequisite or Co-requisite: NURS 787

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 792 - PRACTICUM IN TEACHING**

Theoretical knowledge and skills acquired in pre-requisite courses will be applied in a practicum of teaching experiences (average of 9 hours/week - 8 of these in practicum activities and 1 in seminar activities) that is precepted by a master teacher. Individual aspects of the practicum will be negotiated between the student, preceptor, and faculty facilitator in a learning contract. Synthesis of aspects of role development activities in this course as well as aspects of course/program evaluation will be accomplished in an asynchronous on-line seminar. Prerequisite: NURS 787 and NURS 791.

3.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 793 - ORGANIZATIONAL TRANSFORMATION**

This course focuses on organizational evaluation and strategic redesign of healthcare systems. Issues creating an impetus for organizational change will be examined. Theories and models of traditional organizational structure and of creative and collaborative redesign will be discussed. Prerequisites: NURS 691, NURS 701recommended NURS 786

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 794 - ADV CLIN PRACT ADULTS**

In this clinical course taken concurrently with Advanced Diagnosis and Management of Adults Across the Lifespan, the student functions as an adult/gerontological nurse practitioner in primary care settings including but not limited to: college health services, health maintenance organizations, community clinics, long-term care, assisted living, continuing care retirement communities, occupational health settings, and private practice) with adults who have complex and multiple health problems. The student will synthesize and integrate previously learned concepts to promote the health of adults and develop more independent diagnosis and management of patients with multi-system problems. Using a problem solving approach and evidence based practice guidelines, the student will determine an optimal plan in relation to both short and long-term health related goals for clients they see on an ongoing basis. Emphasis is on increased independence and decision-making in a multidisciplinary environment. The student is expected to assume an increased responsibility for the quality of health care rendered and to participate in evaluative activities. Prerequisites: NURS 788, NURS 789, NURS 795

5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 795 - CLIN SYNDROME MGMT OLDER ADULT**

In this clinical course, the student functions as a gerontological nurse practitioner in healthcare settings with older adults who have multiple health problems and complex clinical syndromes. The student will be able to synthesize and integrate previously learned concepts to further refine the advanced application of assessment, differential diagnoses skills, and increasingly independent development of appropriate therapeutic interventions for the older adult who presents with complex clinical syndrome in a variety of settings. Prerequisites: NURS 788, NURS 789, NURS 794

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 797 - POLICY POLITICS NSG HLTH CARE**

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 801 - CONCEPTUAL BASIS FOR NURSING**

2.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 803 - CONCEPTUALIZATION NURS SYSTEMS**

2.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 804 - ANALYSIS OF NURSING ACTION**

4.000 Credit hours  
4.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 806 - SEMINAR IN NURSING SCIENCE**

2.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 808 - SPEC PROBLEMS NURSING SCIENCE**

Provides the opportunity to study a topic of interest within nursing science under a faculty member's guidance. Specific objectives and requirements are determined by contractual agreement prior to registration. Can be repeated up to a maximum of six credits

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 811 - MEAS OF NURSING PHENOMENA**

The theoretical basis of measurement is presented as a foundation for the development and evaluation of measurement instruments for use in nursing research. Types of measures, techniques of construction, the statistical analysis of reliability and

validity, strengths and limitations for use of selected measures in nursing research are presented. Nursing research studies are evaluated relative to measurement theory. Tools and procedures, including those used to measure affective, cognitive, behavioral and physiological aspects of selected concepts, are evaluated. Prerequisites: NURS 840, NURS 841, NURS 850, NURS 851, NURS 814, NURS 815 and pass preliminary examination and recommend concurrent enrollment in NURS 816 or permission of the instructor.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 812 - SEMINAR IN NURSING MEASUREMENT**

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 814 - DESIGN NURSING RESEARCH II**

The course provides an overview of non-experimental research designs (e.g., cohort, case-control, survey), measures such as incidence and prevalence, and related analytic procedures (e.g., logistic regression) for the study of nursing problems. Sampling theory and strategies for conducting probability sampling are also included. Prerequisites: NURS 840, NURS 850 and NURS 851

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 815 - QUAL METHODS IN NURSE RESEARCH**

Provides an overview to the qualitative paradigm and major approaches to qualitative research. Topics related to qualitative research design, conduct, reporting and evaluation of qualitative research are addressed. Emphasis is placed on the appropriate use of qualitative methods and differences across qualitative approaches. The course focuses on the development of interview skills, observation skills and data analysis. Prerequisite: NURS 840.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 816 - MULTIVARIATE ANALY HEALTHCARE**

Social and health care research deals with complex, multidimensional systems, and any adequate assessment of these systems requires that multiple measures be used. Topics introduced in this course include multiple regression, path analysis, logistic regression, principal components analysis, factor analysis and discriminant function analysis. Prerequisites: NURS 840, NURS 841, NURS 850, NURS 851, NURS 814, NURS 815, pass preliminary examination and recommend concurrent enrollment in NURS 811 or permission of the instructor.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 817 - ANALYSIS LONGITUDINAL RESEARCH**

Designs in which multiple observations of one or more variables made on a single person or unit (repeated measures designs) or subjects are followed for a long period of time are of particular importance in nursing and health care research. The course will examine several of the more commonly used longitudinal analyses, including ANOVA, linear mixed models, and survival analysis. Designs involving repeated measures on more than one dependent variable, fixed and random effects, and time to event will be considered. Emphasis will be placed on selecting the appropriate design, statistical procedure, and computer program for addressing a given research problem. Small research exercises requiring both computation and interpretation will be assigned in order to promote desired learning. Prerequisite: NURS 816

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 818 - SPEC TOPICS NURSING RESEARCH**

Research Practica are designed as independently arranged research experiences in which the student actively engages in research activities under the mentorship of a faculty member. These activities are negotiated between student and faculty and relate to either an aspect of the faculty member's research related to the student's research area, or the student's research area. Six credits of research practica experiences, using the 3-hours/credit/week formulas are required with at least three of these being with the student's Research Advisor. Prerequisite: Completion of 5 credits of NURS 819

1.000 TO 6.000 Credit hours  
1.000 TO 6.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 819 - RESEARCH ROTATION**

Introduces the active research programs in the School of Nursing with application of various research methodologies to specific research projects. Applies research principles learned previously in each rotation. In the 2 or 3 credit options, 6 or 9 hours per week are spent in one research program and in the 5-credit option, 15 hours per week are spent in each of two successive seven-week sessions in two research programs. During each session, objectives are defined with the faculty researcher and work is completed on a component of the faculty researcher's project. Activities include literature review, measurement, data collection, statistical analysis, manuscript preparation or proposal development. Prerequisites or Concurrent: NURS 850, NURS 851, 814, NURS 815. Note: Course may be repeated for a total of 10 credits. At the discretion of the Assistant Dean of the PhD Program, one repetition after the first 5 credits may consist of one 14 week session of 15 hours per week. Research rotations in each repetition must be different from those previously taken.

1.000 TO 5.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

### **NURS 820 - META-ANALYSIS**

Introduces the issues in and methodology for the quantitative synthesis of research literature. Includes a practical overview of meta-analysis methods for synthesizing and exploring variations in quantitative indices of study outcomes. Prerequisite: Completion of graduate level course in research design and statistics

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

### **NURS 826 - STRUCTURAL MODELING IN HLTH**

Provides an introduction to the construction and estimation of structural models in the context of health care research. Topics include confirmatory factor analysis, path analysis and causal modeling. Emphasis is on the estimation of models with latent variables, interpretation of causal effects and the application of these models in health care research. Prerequisite: NURS 816 or permission of instructor.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

### **NURS 828 - ISSUES NURS SCHOLARSHIP**

Identifies and analyzes professional issues confronting the nurse scholar. Issues including research priorities, options in career patterns, ethics and politics of science, protection of human subjects, grants, publishing and presenting research are presented and discussed and appropriate applications to the role of nurse-scholar are made. When appropriate, diverse perspectives will be presented. Students are expected to synthesize the material and identify the principles appropriate for their own career. Prerequisite: NURS 811.

2.000 TO 3.000 Credit hours  
2.000 TO 3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department



**NURS 830 - LARGE HEALTH CARE DATABASES**

This course is designed to bridge the gap between nurses' need for information/data and the reality of finding the data, downloading, extracting, and building an effective personal database. Much of the class work will be conducted in the computer lab where students will explore public and private sources of health data that are available via the internet and on CD-ROM. Students will download data to the personal computer, import data into varied software applications, and build a personal database using software of their choice. Prerequisites: A basic knowledge of personal computers including the Windows environment, the use of a mouse, and basic file handling is expected. Knowledge of spreadsheets and databases is a plus. No knowledge of statistical software is needed, although highly desirable for doctoral students.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 832 - HEALTH SERVICE RESEARCH**

This course is designed for doctoral students who are interested in examining outcomes research issues. The class content focuses on the conceptual and technical issues encountered in designing and executing these types of research studies. Assignments allow students to design a study in their area of interest, including the identification of potential problems and approaches to dealing with those problems. Prerequisites: NURS 850, NURS 851 and NURS 840 (Students are required to have had a course in theory development and research design. In addition, a basic knowledge of personal computers, data manipulation, and statistical software is expected.)

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 836 - DECISION MAKING NURS INFORMATI**

Reflects the central role of decision science in utilizing nursing informatics to improve patient care. Analyzes selected decision science theories and relevant research that supports and directs the field of nursing informatics. Decision sciences include statistically based models of clinical judgment, information processing theory of clinical judgment and theories for knowledge and skill acquisition. Case simulations, protocol analysis, knowledge engineering, decision analysis models, grounded theory, neural networks and ways of knowing are evaluated for their usefulness to nursing informatics. Prerequisites: NURS 737, NURS 840, NURS 850 and NURS 851

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 837 - NURS INFORMATICS QUALITY OF CA**

Addresses aggregate-level data analysis in the application of nursing informatics in describing, improving, measuring and delivering quality care. Employs a broad definition of systems and analyzes selected systems theories and relevant research, which supports and directs the field of nursing informatics and its use of available and emerging technology. Theories are applied to the study of systems to determine how their definitions and boundaries facilitate the application of quality of care models and enhance the access, quality and cost-effectiveness of care. A multidimensional model provides a framework for studying the direct and indirect effects of nursing informatics technology. Prerequisite: NURS 836.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 840 - PHIL SCIENCE & DEVELOP THEORY**

Reviews the nature of knowledge and theory in the various scientific disciplines. Describes and analyzes the revolutions or paradigm shifts that have occurred in science. The struggle between many world views is discussed including empiricism, positivism, rationalism and the hypoductive model of science. After considering the ways of knowing (epistemology), selected world views and theories from a variety of disciplines are analyzed. Discusses strategies for developing nursing theories and introduces alternative metatheoretical approaches available for use in theory evaluation in nursing. Recommended: Master's level nursing theory course.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 841 - THEORY & CONCEPT NURSG SCIENCE**

Focuses on the nature of theory in scientific disciplines, nursing theory within the context of the philosophy of science and the evolution of nursing science and the application of conceptualization to the process and conduct of nursing research. Interrelationships between components, context and structure of modes of systematic inquiry, the conceptual basis of theory development and a variety of mid-range theories and their paradigms are analyzed. Contribution of these modes, concepts and theories (practice, mid-range, grand) to knowledge generation and theory development in nursing is critically evaluated in relation to nursing science and applied to student's area of interest. Prerequisite: NURS 840.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 850 - EXPERIMENTAL NURSG RES DESIGNS**

This course focuses on the relationship between theory and design and selected experimental and quasi-experimental research designs. Threats to both the internal validity and the construct validity of research designs are explored as well as ways of minimizing them. Issues of bias, representativeness, and generalizability are discussed in relation to probability and nonprobability sampling. Prerequisite or concurrent: NURS 840, NURS 851

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 851 - ANAL OF EXPER RES DESIGNS**

This course is designed to be taken concurrently with NURS 850: Experimental Nursing Research Designs and provides the theoretical and practical knowledge to conduct analyses of experimental data. The course focuses on: 1) the identification and uses of appropriate descriptive and inferential statistics; 2) the acquisition of data manipulation skills necessary to conduct experimental and interventional research; and 3) the development of analytical writing and data summary skills. Hypothesis testing with various levels of measurement, and inferential statistics will be examined. The relationships between design and analysis are revealed through the development of an analytical plan. The procedures for compiling data, developing a research file, and documenting the file are specified. Analytic techniques address descriptive statistics, measures of association, ANOVA, and simple regression. Prerequisite or concurrent: NURS 840, NURS 850.

3.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 852 - NONEXPER NURS RESEARCH DESIGN**

Focuses on non-experimental research designs, including descriptive, cross-sectional, survey, prospective, retrospective, exploratory and qualitative. Incorporates similar approaches including consideration of the validity of the designs as well as bias, sampling, rigor and application of non-experimental research design approaches to researchable nursing questions. Prerequisite or concurrent: NURS 840. Concurrent: NURS 853. Recommended: NURS 850, NURS 851.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

### **NURS 853 - ANALYSIS NONEXPER NURS RES**

Focuses on analytical approaches used to design and conduct non-experimental research and approaches to data reduction and data summary common to non-experimental studies. Addresses analytical issues related to survey and qualitative research, including coding of open-ended questions, handling of missing data, weighing data and non-parametric testing. Reviews software used for data collection, data reduction and reporting. Prerequisite or concurrent: NURS 840. Concurrent: NURS 852. Recommended: NURS 850, NURS 851.

2.000 Credit hours  
2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 880 - INTERDISCIPLINARY CENTER SEM**

2.000 Credit hours

**Schedule Types:** Lecture

School of Nursing Division  
Nursing Department

**NURS 881 - THEORY METH ISSUES ON COPING**

Provides the student with an opportunity to develop a conceptual framework for viewing and investigating the process of coping. Through a survey and critical review of both historical and contemporary literature from multiple disciplines, an array of models of coping is examined and a prospectus for individual or group studies on coping with stress in health and disease is developed.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 882 - PHYSIOL CONCEPT CLARIFICATION**

Explores clinical nursing problems and related concepts from a physiological perspective. Includes aspects of regulation, transmission and physiological measurement. Prerequisites: NPHY 600 or equivalent and NURS 840 or permission of instructor.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 883 - RES AND THEORY FAM HEALTH**

Provides an opportunity to explore and evaluate theories used for the study of families within the nursing context. Nursing perspectives of the family over the family life cycle are considered. Emphasis is placed on analyzing theoretical and conceptual issues in nursing related to the family and to the design and implementation of family nursing research studies, measurement of family variables and analysis of family data.

3.000 Credit hours

3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Educ Admin Hlth Pol & Informat Department

**NURS 891 - THEORY RESEARCH EDUCA ADM NSG**

Addresses current theoretical perspectives and research regarding the practice of educational administration in nursing. Building upon knowledge of nursing and health care, organizational theory, policy analysis, educational administration and nursing education gained in prerequisite courses, selected issues and problems in higher education administration are explored. An optional practicum is available for additional credit through registration in NURS 897. Prerequisite: NURS 804 or permission of instructor.

2.000 Credit hours

2.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 897 - SPEC TOPICS NURSING SCIENCE**

Allows a student to study a topic of professional interest within the sphere of indirect nursing with a graduate faculty member who has special competence in the subject area. Specific objectives and requirements are determined by contractual agreement prior to registration. Repeatable up to a maximum of six credits.

1.000 TO 6.000 Credit hours

**Schedule Types:** Research

School of Nursing Division  
Nursing Department

**NURS 898 - PRE-CANDIDACY RESEARCH**

1.000 TO 8.000 Credit hours

**Schedule Types:** Research

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**NURS 899 - DOCTORAL DISSERTATION RESEARCH**

1.000 TO 12.000 Credit hours  
1.000 TO 12.000 Lecture hours

**Schedule Types:** Research

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**RNTC 321 - SCIENTIFIC CONCEPTS OF NURSING**

Provides a framework for identifying describing and interpreting concepts, principles and facts related to the sciences of microbiology and anatomy and physiology. The course design incorporates introductory- level chemistry concepts related to the microbiology and physiology content areas. Open to RN's who graduated from associate degree or diploma programs more than seven years ago or who graduated from npn-NLN accredited out- of-state programs.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

**RNTC 322 - SOCIAL SCIENCE/HUMANITIES CONC**

Reflects concepts, work, skills and knowledge derived from the disciplines of anthropology, sociology, psychology, human development, social psychology and communication arts. Updates content from each of the following courses Oral communications, Introduction to Psychology, Human Growth and Development, Introduction to Sociology and general electives. Open to RN's who graduated from associate degree or diploma programs more than seven years ago or who graduated from non-NLN accredited out-of-state programs.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Organizational Syst & Adult Hlth Department

**RNTC 323 - NURSING CONCEPTS**

Provides an overview and update of the major concepts of adult medical/surgical nursing, maternal/child nursing, psychiatric/mental health nursing and issues that have contributed to the emergence of professional nursing. This course is designed specifically for the registered nurse. Open to RN's who graduated from associate degree or diploma programs more than seven years ago or who graduated from non-NLN accredited out-of-state programs.

3.000 Credit hours  
3.000 Lecture hours

**Schedule Types:** Lecture

School of Nursing Division  
Adult Health Nursing Department

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