

# NURSING (NSG)

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## **NSG 200 | HEALTH AND NUTRITION | 4 quarter hours (Undergraduate)**

This course provides an introduction to the complex interactions between nutrition, exercise, genetics, cultural factors, physiological and psychological stressors and health. Each class provides an overview on the various nutritional factors which influence the health of individuals. A population based approach is used to address the issue of world hunger and undernutrition. Multiple perspectives relating to nutrition are included such as cultural, religious, family and alternative nutritional lifestyles.

## **NSG 210 | PARENTING IN MULTICULTURAL FAMILY SYSTEMS | 4 quarter hours (Undergraduate)**

Families exist in complex systems of home, community and environment. Each family depends on their cultural history, previous experiences and social supports to assist with parenting. Today over 70% of families with children have two working parents. In the case of single parenting or blended families stressors are great. This course will examine the effect of culture and family traditions on parenting practices in the United States. Multiple family theories will be introduced and discussed. The primary focus is identification of child and family risk factors and strengths. Identifying positive parenting behaviors will enhance the well being, self esteem and health of the family.

## **NSG 230 | WOMEN'S HEALTH: THE PHYSICAL SELF | 4 quarter hours (Undergraduate)**

This course explores the biological dimensions of women's health. The theoretical bases for evaluating medical research, assessing personal health, and decision-making consumerism from a feminist perspective are emphasized. An advanced-level scientific research paper due at the end of the quarter.

**WRD 103 or HON 101 or HON 100 or ENG 120 is a prerequisite for this class.**

## **NSG 232 | MEN'S HEALTH: THE PHYSICAL SELF | 4 quarter hours (Undergraduate)**

This introductory course explores the unitary nature of men's health patterns focusing on anatomy and physiology of the major body systems emphasizing the difference in males. Health issues pertinent to these system differences in males will be presented based upon health risks, assessment, screening, diagnosis, management and treatment. Developing an understanding of male anatomy and physiology utilizing correct medical terminology to describe various parts and conditions. Elements of scientific research are explored in the context of lecture and laboratory sessions. Students select a research-based topic supported by clinical research studies to articulate their knowledge and understanding through a written paper and oral power point presentation.

## **NSG 260 | STATISTICS FOR THE HEALTH SCIENCES | 4 quarter hours (Undergraduate)**

This course introduces the health science student to theory and application of probability, risk, descriptive and inferential statistics. Computer laboratory experience focuses on using data sets in clinical trials, epidemiology, and critical pathway development.

## **NSG 261 | INTRODUCTION TO FINANCE/ACCOUNTING IN HEALTH CARE | 4 quarter hours (Undergraduate)**

This course introduces students to basic principles, concepts, and techniques in cost accounting, reimbursement, budgeting, and financial management in health care for the practicing health professional.

## **NSG 290 | FUNDAMENTALS OF NURSING PRACTICE | 5 quarter hours (Undergraduate)**

This course introduces the art and science of nursing by examining basic nursing skills and principles of critical thinking, problem solving, and therapeutic communication. Students integrate theoretical concepts of human growth and development, aging, stress, health promotion, education, and teaching throughout the course. Professional roles of the nurse, ethical issues, and critical thinking are explored to foster growth in knowledge and basic nursing skills and competencies. Through clinical experience students apply knowledge and provide safe, quality care to older adults in the clinical setting.?

## **NSG 291 | HEALTH ASSESSMENT ACROSS THE LIFESPAN | 4 quarter hours (Undergraduate)**

This course integrates concepts and skills of health and physical assessment of children, adults, and elders. Emphasis is placed on the nursing process with focus on patient-centered care across the lifespan. Data collection, decision making, diagnostic reasoning, and critical inquiry in nursing practice are explored and practiced in the laboratory setting for the safe provision of quality care.

## **NSG 292 | PATHOPHYSIOLOGY FOR ALTERATION IN HEALTH | 4 quarter hours (Undergraduate)**

This course addresses physiological and pathophysiological principles relevant to clinical practice. Building on the basic sciences, focus is on interrelationships of systems regulation and dysregulation of cellular, organ, and system function. Physiological and pathophysiological function at the cellular level is discussed for the following: metabolism and temperature regulation, acid-base balance, as well as cardiac, pulmonary, renal, hematology, immune, nervous, gastrointestinal, genitourinary, endocrinology, and reproductive systems.

## **NSG 293 | PHARMACOLOGY FOR ALTERATIONS IN HEALTH | 4 quarter hours (Undergraduate)**

This course introduces principles of pharmacodynamics with emphasis on nursing implications in the management of pharmacological therapy. Focus is on drug classifications, mechanism of action, and pharmacologic effects with emphasis on accurate dosage calculations, proper administration, and documentation. The nurse's role in the application of specific drugs in the management and treatment of disease is examined for safe and accountable medication administration across the lifespan.??

## **NSG 294 | NURSING THEORY FOR PROFESSIONAL PRACTICE | 4 quarter hours (Undergraduate)**

This course explores the philosophies, theories, and history of the science of nursing while examining the relationships between nursing practice and nursing science. Students will analyze and discuss theories that provide structure for nursing research and evaluate their usefulness and applicability to professional nursing practice. The role of clinician, educator, and researcher are investigated with emphasis on the contributions of nursing theorists both historical and modern who clarify and explain complex nursing concepts.??

**NSG 301 | INTRODUCTION TO THE ART AND SCIENCE OF NURSING I | 3 quarter hours (Undergraduate)**

The foundations of the art and science of nursing are developed through the study and practice of basic nursing skills, therapeutic communication and critical thinking in classroom, laboratory and clinical settings. Foundations are strengthened through exposure to theories of human development, aging, stress, health teaching and health promotion. Knowledge is applied to the care of older adults in the clinical setting, facilitating student understanding of individual expressions of wellness, health and illness, and the development of a professional value system. Co-Requisite course NSG 301C.

**NSG 322 and NSG 332 are prerequisites for this class.**

**NSG 301C | INTRODUCTION TO THE ART AND SCIENCE OF NURSING I-CLINICAL | 2 quarter hours (Undergraduate)**

This is the lab/clinical component of NSG 301. There are 24 lab hours and 24 clinical hours required for this course. NSG 301 is a co-requisite for this course.

**NSG 302 | INTRODUCTION TO THE ART & SCIENCE OF NURSING II | 4 quarter hours (Undergraduate)**

The art and science of nursing and select theories are examined to provide the basis for critical thinking, compassionate communication, and therapeutic interventions in the provision of medical/surgical nursing care with adult/geriatric populations. The role of the nurse as a health facilitator and provider of care are emphasized in working with common medical/surgical issues. Classroom, clinical, and laboratory experiences relate to individuals and families experiencing acute and commonly occurring patterns of illness. Co-requisite 302C.

**NSG 301, NSG 322 and NSG 332 are a prerequisite for this class.**

**NSG 302C | INTRODUCTION TO THE ART & SCIENCE OF NURSING II-CLINICAL | 4 quarter hours (Undergraduate)**

This course is the clinical component to 302. There are 80 clinical hours required for this course. Co-requisite 302.

**NSG 303 | INTRODUCTION TO THE ART & SCIENCE OF NURSING III | 8 quarter hours (Undergraduate)**

The art and science of nursing and select theories are examined further as the basis for critical thinking, compassionate communication, and therapeutic interventions in holistic nursing practice with adult/geriatric populations. The role of the nurse as a health facilitator and provider of care are emphasized in working with complex medical/surgical issues. Classroom, clinical and laboratory experiences relate to health promotion and healing of individuals and families experiencing acute and commonly occurring patterns of illness. Course includes 80 clinical hours.

**NSG 302, NSG 322 and NSG 332 are a prerequisite for this class.**

**NSG 303C | INTRODUCTION TO THE ART & SCIENCE OF NURSING III-CLINICAL | 4 quarter hours (Undergraduate)**

This is the clinical section of NSG 303. There are 80 hours of clinical required for this course. There are 12 hours of CbSL required for this course. NSG 303 is a co-requisite.

**NSG 307 | ART AND SCIENCE OF NURSING IV: PSYCHIATRIC MENTAL HEALTH | 3 quarter hours (Undergraduate)**

This course examines the etiology, symptomatology, and clinical management of selected mental illnesses across the lifespan. A mental health recovery approach is utilized, focusing on the multi-factorial and individualized nature of illness presentations and the need for person-centered care and multi-modal treatment. Critical thinking, compassionate communication, and therapeutic nursing interventions are applied to practicum experiences. Various psychiatric nursing roles will be explored in the contexts of health promotion, disease management and rehabilitation.

**NSG 303 is a prerequisite for this class.**

**NSG 307C | ART AND SCIENCE OF NURSING IV: PSYCHIATRIC MENTAL HEALTH - CLINICAL | 3 quarter hours (Undergraduate)**

This is the clinical section of NSG 307. There are 60 hours of clinical required for this course. NSG 307 is a co-requisite.

**NSG 310 | PATIENT CENTERED NURSING I: MED/SURG I | 8 quarter hours (Undergraduate)**

This course examines the art and science of nursing theories and medical/surgical care of adults and older adults experiencing acute and chronic conditions. The application and integration of theoretical concepts and evidence-based practice are emphasized in the promotion of critical thinking, clinical reasoning, and clinical judgement in the provision of medical/surgical care of adult/geriatric populations. Classroom, laboratory, and clinical experiences focus on individuals and families in acute care settings requiring multi-dimensional, safe, and quality care.?

**NSG 312 | PATIENT CENTERED NURSING II: MED/SURG II | 8 quarter hours (Undergraduate)**

The art and science of nursing theories and medical/surgical care of adults and older adults experiencing acute and chronic conditions are examined further in this course. The application and integration of theoretical concepts and evidence-based practice are emphasized in the promotion of critical thinking, clinical reasoning, and clinical judgement in the provision of medical/surgical care of adult/geriatric populations. Classroom, laboratory, and clinical experiences focus on individuals and families in acute care settings requiring multi-dimensional, safe, and quality care.?

**NSG 314 | PATIENT CENTERED NURSING III: MENTAL HEALTH | 6 quarter hours (Undergraduate)**

This course focuses on psychiatric-mental health nursing concepts, theoretical approaches to mental health/illness, and the care of persons of various age groups with psychiatric mental health disorders. The application of theories and implementation of evidence-based care of individuals with psychiatric/mental health issues is examined with emphasis on cultural, ethical, and legal concepts, psychosocial needs, and the wellness of individuals and their families. Clinical experience facilitates student synthesis of classroom material and content in the application of psychiatric/mental health concepts, critical thinking, and therapeutic relationships in mental health.

**NSG 316 | PATIENT CENTERED CARE IV: PEDIATRICS | 6 quarter hours (Undergraduate)**

This course applies professional nursing concepts in caring for children and their families. Focus is on the physiological, pathophysiological, developmental, and psychosocial needs of children from infancy through adolescence. Clinical experience integrates nursing care of children and families, health promotion, and acute and chronic illness management.

**NSG 318 | PATIENT CENTERED NURSING: OB/MATERNITY | 6 quarter hours (Undergraduate)**

This course applies professional nursing concepts in the care of newborns and childbearing women experiencing actual or potential illness manifestations or injury patterns. Focus is on the physiological, pathophysiological, sociocultural, educational, and psychosocial needs of newborns, childbearing women and their families. Clinical experience integrates maternity nursing care of the neonate, childbearing woman, and their families in inpatient and outpatient settings.

**NSG 320 | CRITICAL CARE CENTERED NURSING | 8 quarter hours (Undergraduate)**

This course focuses on nursing roles and responsibilities in caring for high acuity adult patients and families. Critical care concepts are examined as students synthesize knowledge and apply advanced skills in the care of adults with multi-system or emergent health problems. Advanced clinical reasoning and multidisciplinary collaboration is emphasized in the care of adults with complex fluid and hemodynamic imbalances, cardiac, neurological, respiratory, and renal conditions. Clinical experience integrates critical thinking, clinical decision making, and advanced skills in the care of high acuity patients in intensive care settings.

**NSG 322 | BASIC PATHOPHYSIOLOGY AND PHARMACOLOGY | 4 quarter hours (Undergraduate)**

The principles of pathophysiology and pharmacology are introduced and applied in the management of pharmacological therapy. Emphasis includes the fundamental principles of drug mechanism of action, application of specific drugs in the treatment of disease, and related nursing care. To ensure patient safety, attention is given to drug administration and calculations. Developmental changes related to pathogenesis are addressed.

**NSG 323 | COMMUNITY AND POPULATION HEALTH | 5 quarter hours (Undergraduate)**

This course focuses on community, population-focused, and public health nursing concepts as a theoretical basis to prevent, promote, maintain, and restore health to families, groups, communities, and populations. Community assessment, epidemiology, and environmental health frameworks provide an evidence-based guide for promoting and protecting the health of the public. This course integrates community service learning experiences.

**NSG 325 | CONTEMPORARY HEALTH CARE ISSUES | 4 quarter hours (Undergraduate)**

This course explores current issues and trends in health care systems. Emphasis is on coordination and effective use of best practices for allocating scarce resources for diverse communities from a cultural, ethical, and policy perspective. Students are expected to think critically using ethical frameworks focused on what society considers fair and just care as they explore factors that influence the health and wellness-illness continuum of human experiences. Topics include health literacy, telehealth, crises affecting health care systems, just culture, interdisciplinary global health workforce, and political environment for nursing practice.

**NSG 326 | NURSING INFORMATICS AND TECHNOLOGY | 4 quarter hours (Undergraduate)**

This course focuses on introductory concepts, frameworks, and methods of information science. Students examine health information systems, computerized health-related databases, and outcomes data from the National Database of Nursing Quality Indicators (NDNQI). This course introduces integrated patient care technologies such as patient monitoring and medication administration systems. Ethical standards related to data security, regulatory requirements, confidentiality, and clients right to privacy are examined.

**NSG 327 | NURSING RESEARCH | 4 quarter hours (Undergraduate)**

This course introduces students to basic research concepts, quantitative and qualitative research processes, and nursing research applications to practice. Students will develop an understanding of research and its implications for clinical practice and decision-making.

**NSG 328 | QUALITY AND SAFETY FOR TRANSFORMATIONAL NURSING | 4 quarter hours (Undergraduate)**

The course focuses on quality and safety improvement science and implications for practice in health care work environments to promote health and minimize risk of harm. Principles of teamwork and collaboration, quality improvement, patient centered care, informatics, and evidence-based practice are analyzed at the system and individual levels.

**NSG 329 | LEADERSHIP AND MANAGEMENT FOR SAFE NURSING CARE | 4 quarter hours (Undergraduate)**

This course introduces leadership and management through the application of theory and evidence-based concepts in professional nursing. Power, change strategies, and nursing practice legal, regulatory, and professional standards are examined. The course focuses on advocacy skills and QSEN competencies to promote a culture of safety.

**NSG 330 | FOUNDATIONS OF PROFESSIONAL NURSING PRACTICE | 2 quarter hours (Undergraduate)**

This course introduces the registered nurse student to the philosophy and mission of the De Paul University School of Nursing RN to MS Program. The central focus will be on the associate degree nurse transition to baccalaureate level education. Major areas of emphasis will include the evolution of nursing as a scientific professional discipline, the role of the professional nurse as a client advocate, change agent, the role of power and politics as sources of empowerment for practice, and legal, and ethical parameters in the scope of nursing practice.

**NSG 331 | TRANSITION TO PROFESSIONAL NURSING | 8 quarter hours (Undergraduate)**

This course provides a capstone immersion experience requiring students to demonstrate competency and proficiency applying knowledge and skills from liberal arts, sciences, and nursing. This course entails 130 clock hours of direct patient care experiences. Students will utilize the art and science of professional nursing practice in a clinical setting, acknowledging cultural, spiritual, psychosocial, and community-based influences on health. Applying a multidisciplinary view of baccalaureate level nursing practice, students will develop an evidence-based nursing project that identifies a quality and safety concern within their field of interest.

**NSG 332 | HEALTH ASSESSMENT | 3 quarter hours  
(Undergraduate)**

This course is designed to prepare the student to perform comprehensive physical assessments and mental status exams of the individual in the context of their family and community. Co-Requisite NSG 332L.

**NSG 332L | HEALTH ASSESSMENT- LAB | 1 quarter hour  
(Undergraduate)**

This is the Lab section for NSG 332. 30 laboratory hours required. NSG 332 is a co-requisite for this course.

**NSG 335 | LESBIAN HEALTH MATTERS | 4 quarter hours  
(Undergraduate)**

This course explores the unitary processes and experiences of health and quality of life for lesbians in diverse communities and with a range of identification and orientation. The idea that homophobia exists and serves as a significant barrier to access and to maintenance of health for lesbians underpins the course. The course uses multiple forms of scientific literature, general literature, film, and art to study the personal, ecological, and socially constructed determinants of health and quality of life. Various feminist, nursing, queer, and post-colonial perspectives on contemporary scientific and social discourse will emphasize linking health and illness with economic, social/cultural, and political dimensions of society. Concepts of personal health patterning, risk reduction, and health promotion will be stressed.

**NSG 376 | COMMUNITY HEALTH NURSING FOR THE PROFESSIONAL NURSE | 4 quarter hours  
(Undergraduate)**

The emphasis of this course is on the delivery of comprehensive, culturally appropriate services to meet the continuing health needs of families, aggregates, and communities. Students will design population-focused nursing interventions to reduce assessed risk, incidence, and prevalence of community health problems. The role of the community health nurse in health promotion, disease, and injury prevention and management across the lifespan is examined, specifically across the continuum of care and coordination of services at the individual and population levels. Emphasis is placed on current trends and professional, legal/ethical, economic, cultural, and environmental issues as they apply to community health nursing.

**NSG 377 | PRACTICUM: THE PROFESSIONAL NURSE AND COMMUNITY HEALTH | 4 quarter hours  
(Undergraduate)**

This course provides opportunities for developing the professional nurse role in community health care. Experiential learning activities focus on community assessment, health program planning and evaluation, and management of innovation at the community level. Health education and leadership development are emphasized in both public health and community-based settings involved in health care delivery for individuals, families, and communities.

**NSG 376 is a prerequisite for this class.**

**NSG 380 | UNDERGRADUATE NURSING SYNTHESIS | 4 quarter hours  
(Undergraduate)**

This course provides a capstone experience of the art and science of professional nursing practice in contemporary society with integration of the liberal studies program. Applying a multidisciplinary view of baccalaureate level nursing practice, students will identify a practice concern in their nursing field of interest and develop a quality improvement plan or policy revision recommendation from assessment to an evaluation plan.

**NSG 393 | FOUNDATIONS FOR SUCCESS IN NURSING | 3 quarter hours  
(Undergraduate)**

This course is designed to enhance the transition of the 3+2 Masters Entry to Nursing Practice student from undergraduate to graduate level work and from general academics to professional preparation. Students will learn the fundamentals of graduate level writing within a profession, develop critical thinking skills to enhance mastery and application of nursing content and obtain foundational knowledge of current issues in nursing and health care. The class will be taught as a hybrid and incorporate online tutorials, self-assessments and asynchronous discussion as well as face-to-face lecture, discussion and small group work.

**NSG 399 | INDEPENDENT STUDY | 1-4 quarter hours  
(Undergraduate)**

INDEPENDENT STUDY (variable credit)

**NSG 400 | THEORETICAL COMPONENTS OF NURSING | 4 quarter hours  
(Graduate)**

This course is designed to examine the nature, function, and development of concepts, models, and theories for their relevance to advanced nursing practice and nursing research. The structure of theory is analyzed by examining the relationship between theoretical components. A variety of types of theoretical statements utilized to conceptualize nursing practice and research are presented and evaluated. A process for developing a conceptual framework for inquiry and data-based nursing practice is presented. Course includes 12 CbSL hours (MENP req. only).

**NSG 431 (or status as an RN to MS or DNP student) is a prerequisite for this class.**

**NSG 401 | NURSING RESEARCH I | 4 quarter hours  
(Graduate)**

This is a seminar course emphasizing the components of the research process. Using discussions and analysis of published studies, students will examine current research problems and their associated methodological and ethical issues. Students will prepare problem statements, formulate research questions, review nursing research literature, and utilize appropriate methodologies to prepare a synthesis paper.

**NSG 400 is a prerequisite for this class.**

**NSG 422 | APPLIED PATHOPHYSIOLOGY | 4 quarter hours  
(Graduate)**

A synthesis of organic & inorganic chemistry, molecular biology, and cellular physiology that serves as a foundation for advanced understanding of pathophysiology and pharmacology.

**Status as an NP student or (status as an MENP student and NSG 332) is a prerequisite for this class.**

**NSG 424 | PATHOPHYSIOLOGY FOR ADVANCED PRACTICE | 4 quarter hours  
(Graduate)**

Survey of current advances on human physiology with emphasis on the cellular and microcellular basis of health and disease. Students will engage in intensive study of human anatomy and physiology and complex pathophysiologic processes. Current research findings are reviewed for implications for health promotion, health maintenance and health restoration.

**NSG 425 | FISCAL MANAGEMENT IN HEALTH CARE | 4 quarter hours  
(Graduate)**

Fiscal management and budgetary practices in health care institutions are explored. Budget preparation, cost-benefit, analysis, product costing, reimbursement, and analysis of financial status in organizations is emphasized.

**NSG 426 | PHARMACOLOGY II | 4 quarter hours  
(Graduate)**

Emphasis is placed on the proper use of medication in self-care and dependent-care relative to health-related requisites, nursing role in administration of drugs, and proper patient education. The course focuses on the principles of nursing management in drug therapy along with the basics of core drug knowledge and patient-related variables. The major classifications of drugs are being examined along with issues arising from the use of drug therapy in contemporary society, and the related nursing implications are discussed. The pharmacological aspects of nursing care are integrated using the nursing process. In addition, there is emphasis on assessing and evaluating patient responses that change in accord with health, age, lifestyle, gender and other factors.

**NSG 322 is a prerequisite for this class.**

**NSG 428 | PATHOPHYSIOLOGY FOR ADVANCED PRACTICE | 4 quarter hours  
(Graduate)**

Using a case study approach, pathophysiologic and physiologic alterations will be analyzed in selected systems-related disease processes. Appropriate clinical and lab analysis will be included in preparation for advance practice. Using a variety of learning modalities, students will explore current theories and research related to pathology, pathophysiology and abnormal physiologic function including implications for health promotion, maintenance and restoration.

**NSG 429 | PATHOPHYSIOLOGY & APPLIED PHARMACOLOGY | 4 quarter hours  
(Graduate)**

This course builds on the background of the registered nurse in exploring advanced concepts of pathophysiology and pharmacology. Emphasis is placed on concepts of pathophysiology in relationship to pharmacologic therapies and clinical management. The application of pharmacologic therapies in health promotion and patient management is explored from perspective of the masters prepared nurse.

**NSG 430 | POLITICAL AND LEGAL ISSUES IN HEALTH CARE | 2 quarter hours  
(Graduate)**

Seminars will discuss social, economic, legislative and regulatory mechanisms that influence professional practice and health policy in the United States. Emphasis is on the legal definition of professional practice as well as major issues involved in designing, implementing and evaluating policy decisions including scope, dynamics, and conceptual and practical dilemmas. (2 quarter hours)

**NSG 431 | HEALTH PROMOTION FOR FAMILIES AND COMMUNITIES | 4 quarter hours  
(Graduate)**

Examines issues, frameworks, theories and techniques relevant to health promotion for individuals, families and communities. Physical and social determinants of health are examined as are methods for assessing and facilitating cultural competence. The nurse's role as advocate for health promotion and wellness in public policy is discussed. Course includes 8 CbSL hours (MENP req. only).

**NSG 433 | NURSING AND BIOMEDICAL ETHICS IN HEALTH CARE | 2-4 quarter hours  
(Graduate)**

Seminars and case studies are used to explore issues and frameworks for ethical practice and research in the health professions. (2 quarter hours)

**NSG 434 | COMMUNITY ENGAGEMENT SEMINAR I | 1 quarter hour  
(Graduate)**

This course is designed to provide a deeper understanding and integration of academic service learning in the community. It will provide students in the Masters Entry Nursing program with an opportunity to utilize the knowledge and skills gained throughout the program and begin an analytical paper and presentation critically addressing a community health problem. The nursing process will be used to delve deeply into the community engagement experience, Health policy implications and integration of a theoretical framework will be included. Course includes 12 CbSL hours.

**NSG 435 | COMMUNITY ENGAGEMENT SEMINAR II | 1 quarter hour  
(Graduate)**

This course is designed to build on Community Engagement Seminar I. It will provide students in the Masters Entry Nursing program an opportunity to delve deeper into their community engagement experience with a focus on health intervention evaluation, dissemination and sustainability while finalizing their analytical paper and presentation. Course includes 12 CbSL hours.

**NSG 440 | MATERNAL HEALTH NURSING | 3 quarter hours  
(Graduate)**

The art of childbearing nursing: a didactic and clinical course as presented and discussed in class and implemented in the clinical setting. Focus is on the role of the nurse in caring for healthy newborns, and childbearing women who may be experiencing actual or potential educational needs, illness manifestations, or injury patterns. A variety of clinical settings, both inpatient and outpatient for maternity care will be utilized. NSG 441 is a corequisite for this class for the traditional MENP Program.

**NSG 441 is a corequisite for this class.**

**NSG 440C | MATERNAL HEALTH NURSING - CLINICAL | 3 quarter hours  
(Graduate)**

This is the clinical section of NSG 440. There are 60 hours of clinical required for this course. NSG 440 is a co-requisite.

**NSG 441 | INFANT, CHILD AND ADOLESCENT NURSING | 3 quarter hours  
(Graduate)**

The art of pediatric nursing: a didactic and clinical course as presented and discussed in class and implemented in the clinical setting. Focus is on the role of the nurse in caring for children ranging from newborns through adolescents. Levels of prevention, health promotion, health maintenance, and health restoration will be discussed. Emphasis is placed on the physical, psychosocial, and developmental needs of infants, children and adolescents within the family as well as the alterations that occur during hospitalization. Major causes of morbidity and mortality will also be covered. The influence of health policy, cultural, economic, and ethical issues on the child and family are also addressed. **NSG 440 is a corequisite for this class.**

**NSG 441C | INFANT, CHILD AND ADOLESCENT NURSING - CLINICAL | 3 quarter hours  
(Graduate)**

This is the clinical section of NSG 441. There are 60 hours of clinical required for this course. NSG 441 is a co-requisite.

**NSG 442 | COMMUNITY HEALTH NURSING | 4 quarter hours  
(Graduate)**

The emphasis of this course is to provide a theoretical basis for nursing and public health sciences in the field of population health. Emphasis is placed on application of the principles of primary health care, strategies of health promotion, disease prevention and management across the life-span in home and community settings, and nursing practice of community-based families and population. Current trends and professional, legal/ethical, economic, cultural, and environmental issues are examined as they apply to community health nursing.

**NSG 440 and NSG 441 are a prerequisite for this class.**

**NSG 443 | CLINICAL IMMERSION AND INTERNSHIP | 6 quarter hours  
(Graduate)**

This is the capstone clinical course in which students, preceptors, and faculty collaborate in application and synthesis of the core concepts of caring, collaboration, communication, cultural sensitivity, community and environment as they relate to the nursing care of clients with complex health care problems throughout the life span. The students will also demonstrate competency in clinical skills, critical thinking, problem solving, and time management. The purpose of the synthesis course is to facilitate the integration of current and prior curricular content so that the student can become an active and productive member of the health care team.

**NSG 442 and NSG 472 are a prerequisite for this class.**

**NSG 445 | NURSING PROFESSIONALISM, ADVOCACY, AND LEADERSHIP  
| 4 quarter hours  
(Graduate)**

This course discusses the concepts essential to the development of the professional identity and role of the nurse as a leader and advocate in a complex health care system. Drawing on current knowledge and theories of leadership, concepts such as communication, delegation, conflict resolution, negotiation, team building, and health care law and ethics will be discussed.

**NSG 446 | ETHICAL AND POLITICAL ENGAGEMENT IN NURSING | 4  
quarter hours  
(Graduate)**

This course is designed to explore the leadership and advocacy skills required of advanced nursing practice in a complex health care system. The course will focus on health law, ethics and policy in the context of social justice issues common in a diverse society. Students will integrate leadership and advocacy concepts and processes to all levels of healthcare with specific focus on health ethics and policy.

**NSG 447 | COMMUNITY & POPULATION HEALTH NURSING | 4 quarter  
hours  
(Graduate)**

This course is to provide a theoretical basis and practical experiences for community nursing and public health sciences in the field of population health. Emphasis is placed on application of the principles of community based health care, evidence-based strategies of health promotion, disease prevention and management of the care of individuals and populations across the life-span, with an emphasis on vulnerable populations. Current trends and professional, legal/ethical, economic, cultural, and environmental issues are examined as they apply to community and population health nursing. This course will be a co-requisite with NSG 447C.

**NSG 447C | COMMUNITY & POPULATION HEALTH NURSING | 2 quarter  
hours  
(Graduate)**

This is the clinical section of NSG 447. There are 40 hours of clinical required for this course. NSG 447 is a co-requisite.

**NSG 448 | INDEPENDENT STUDY | 1-6 quarter hours  
(Graduate)**

This course is reserved for individuals who wish to do focused study at the graduate level. (variable credit)

**NSG 450 | SELECTED TOPICS IN NURSING | 2-4 quarter hours  
(Graduate)**

This course is reserved for special seminars organized from time to time to accommodate the needs of groups interested in specific topics. (2 quarter hours)

**NSG 451 | INTRODUCTION TO NURSING ADMINISTRATION AND  
LEADERSHIP | 4 quarter hours  
(Graduate)**

This course is an introduction to the nursing leadership concentration as well as an overview of current issues and theory of nursing administration for all advanced practice nurses. As an introduction to the nursing leadership concentration, this course places emphasis on developing master's level skills of critical reading, scholarly writing, analytical discussion, and shared leadership. May also be taken as a health sciences management elective. The expected outcome of the course is a nursing research question and literature review that will form the basis of the students work in their concentration and the final research project.

**NSG 452 | ORGANIZATIONAL AND FINANCIAL MANAGEMENT IN HEALTH  
CARE | 2-4.5 quarter hours  
(Graduate)**

This course provides insight and reflection on the executive role in advanced practice and organizational administration. Concepts, models, and techniques used to manage systems in a variety of health care organizations or practices are analyzed. Organizational assessment, resource development, and product costing are emphasized. This course provides insight and reflection on the executive role in advanced practice and organizational administration. Concepts, models, and techniques used to manage systems in a variety of health care organizations or practices are analyzed. Organizational assessment, resource development, and product costing are emphasized. (2 quarter hours)

**NSG 453 | CASE MANAGEMENT AND THE MANAGED CARE  
ENVIRONMENT | 4 quarter hours  
(Graduate)**

In this course, students engage in analysis of concepts central to an in-depth understanding of the managed care environment and case management as a clinical care system. Emphasis is upon development of skill in organizational and population-based assessment and data analysis, clinical pathway development, and interdisciplinary collaboration. Students develop a database for a clinical project focusing on a client population from their work environment.

**NSG 454 | INNOVATIONS IN HEALTH CARE DELIVERY | 4 quarter hours  
(Graduate)**

This course provides the instruction and clinical experience for the development of the advanced practice nurse role as case manager and administrator. Learning activities focus on implementing contemporary data-based nursing practice models in a variety of health care settings, and the diffusion of innovation at the individual, family and organizational levels.

**NSG 455 | CURRICULUM DEVELOPMENT FOR HEALTH CARE SYSTEMS | 4 quarter hours****(Graduate)**

Theories, principles and approaches to curriculum development are explored. Basic elements of curricular design are examined in relation to traditional and evolving paradigms, reflecting development in social and professional dimensions of health care.

**NSG 456 | PRACTICUM IN NURSING ADMINISTRATION I | 6 quarter hours****(Graduate)**

Practicum In Nursing Administration I (6 quarter hours)

**NSG 451 and NSG 452 are a prerequisite for this class.**

**NSG 457 | PRACTICUM IN NURSING ADMINISTRATION II | 6 quarter hours****(Graduate)**

Practicum In Nursing Administration II (6 quarter hours)

**NSG 456 is a prerequisite for this class.**

**NSG 458 | TEACHING IN HEALTH CARE SYSTEMS | 4 quarter hours****(Graduate)**

This course prepares the registered nurse to apply theories, principles and strategies in education. Emphasis is on education as a vehicle for enhancing the health of populations and systems from an ecological perspective.

**NSG 459 | PRACTICUM IN TEACHING IN HEALTH CARE SYSTEMS | 6-8 quarter hours****(Graduate)**

Practicum In Teaching In Health Care Systems (6 quarter hours)

**NSG 455 and NSG 458 are a prerequisite for this class.**

**NSG 460 | HEALTH ASSESSMENT II | 3 quarter hours****(Graduate)**

This course emphasizes the knowledge and skills necessary for advanced health assessment of individuals and families across the lifespan. This knowledge will be incorporated with related pathophysiological processes in common health abnormalities, with integration of laboratory findings and physical exam findings. The course will focus on physical, psychosocial, sociocultural, environmental, and developmental elements of advanced assessment necessary for developing clinical data-gathering skills, diagnostic reasoning and clinical problem-solving. It will allow students to explore fully the human individual, holistically, without recourse to invasive technologies. Interviewing techniques and head-to-toe physical assessment will be reviewed. The course will concentrate on the focused systems assessment necessary for providing care to clients across the lifespan and assist the students in differentiating between normal, deviations from normal, and abnormal physical assessment findings. At the end of the course, students will be expected to perform an advanced physical exam upon a designated client and effectively communicate the findings. Co-Requisite NSG 460L.

**NSG 302 (or status as an RN to MS student) is a prerequisite for this class.**

**NSG 460L | HEALTH ASSESSMENT II-LAB | 1 quarter hour****(Graduate)**

This course is the laboratory component of NSG 460. There are 25 laboratory hours required for this course. NSG 460 is a co-requisite.

**NSG 462 | ADVANCED WOMEN'S HEALTH ASSESSMENT | 2 quarter hours****(Graduate)**

Lectures focus on the synthesis of scientific knowledge in performing integrated, comprehensive assessments of women from late adolescence through maturity. Emphasis is placed on the woman in the context of the family and community in health and illness. Laboratory practice includes taking the health history and performing the physical examination to evaluate primary and reproductive health care needs. (2 quarter hours)

**NSG 422, NSG 424 and NSG 464 are a prerequisite for this class.**

**NSG 464 | HEALTH ASSESSMENT FOR ADVANCED PRACTICE | 6 quarter hours****(Graduate)**

This course builds on the skills acquired in health assessment and will introduce the skills and knowledge needed to perform a history and physical examination on patients of all ages. Lecture will focus on the synthesis of scientific knowledge in performing integrated, comprehensive assessments of individuals from infancy through maturity. Emphasis is placed on the child in the context of the family and community. Laboratory practice includes taking the health history and performing the physical examination to evaluate primary health care needs. Adult Nurse Practitioner students will not participate in the assessment of the infant and child, but instead will participate in more in-depth assessment of the older adult. Course includes 30 lab hours. (6 quarter hours)

**NSG 472 | CRITICAL CARE NURSING | 4 quarter hours****(Graduate)**

This is a theory and clinical course with a focus on the roles and responsibilities of nurses caring for adults who are experiencing acute illness that may result in complex multiple system disorders. This course will emphasize the critical care concepts of oxygenation, perfusion, ischemia, pain, metabolism, and quality of life. In this course, students will synthesize knowledge and apply advanced skills to manage high acuity and critical care clients. An emphasis is placed on providing a strong theoretical foundation for the student to be able to apply critical thinking skills to clinical decision-making. In the clinical area utilizing the critical thinking techniques of the nursing process, students will assess, collect data, plan, implement, and evaluate the care of clients hospitalized in high acuity and critical care units. NSG 440 and NSG 441 are a prerequisite for this class.

**NSG 440 and NSG 441 are a prerequisite for this class.**

**NSG 472C | CRITICAL CARE NURSING - CLINICAL | 4 quarter hours****(Graduate)**

Clinical component of NSG 472. NSG 472 LECTURE is a co-requisite for this course.

**NSG 473 | PRIMARY CARE OF THE INFANT, CHILD, AND THE ADOLESCENT | 4 quarter hours****(Graduate)**

This course is designed to explore health promotion, health protection, and disease prevention dimensions in pediatric primary care. The focus is on common issues related to clinical, developmental and behavioral needs of children and adolescents and their families. The dynamics of the pediatric client and nurse practitioner relationship will be analyzed, focusing on life transitions and the impact of health and illness on infants, children, adolescents and their families. Clinical practice guidelines will be evaluated through epidemiological and research evidence of selected developmental and behavioral disorders, as well as acute and chronic health problems. Selected theory-based models relevant to primary care of children will be critiqued.

**NSG 428, NSG 464, and NSG 484 are prerequisites for this class.**

**NSG 474 | PRIMARY CARE OF THE ADULT AND OLDER ADULT | 4 quarter hours****(Graduate)**

Lectures focus on synthesis and application of scientific knowledge for family advanced practice nursing in primary care. The emphasis of course content is on building advanced knowledge of chronic and complex health problems in the primary care management of adults. This course examines primary health care needs of adults across the life span, with a focus on health promotion and disease prevention. The integrated role of the advanced practice nurse in providing holistic care and collaborative practice is emphasized.

**NSG 428, NSG 464, and NSG 484 are prerequisites for this class.**

**NSG 475 | WOMEN'S REPRODUCTIVE HEALTH AND GYNECOLOGY | 4 quarter hours****(Graduate)**

This advanced practice course provides a comprehensive review of reproductive health and gynecology practice issues during a woman's childbearing years. Course content consists of contraceptive options, sexually transmitted illnesses, low risk obstetrical prenatal & postpartum and well woman gynecology. Clinical practice guidelines for the advanced practice nurse in a women's health specialty practice or in a practice devoted to the care of women in the family.

**NSG 428, NSG 464, and NSG 484 are prerequisites for this class.**

**NSG 476 | WOMEN'S HEALTH, MATERNAL CHILD AND ADOLESCENTS | 6 quarter hours****(Graduate)**

This course is designed to explore health promotion, health protection, and disease prevention dimensions in Women's reproductive health and pediatric populations. The Women's Health and Maternal Child portion contains comprehensive review of gynecology practice issues during a woman's childbearing years. The dynamics of the pediatric client and nurse practitioner relationship will be analyzed, focusing on life transitions and the impact of health and illness on infants, children, adolescents and their families. Clinical practice guidelines will be evaluated through epidemiological and research evidence of selected pediatric developmental, growth and behavioral disorders; contraceptive options, sexually transmitted illnesses, low risk obstetrical prenatal and postpartum and well woman gynecology for women's health.

**NSG 477 | CLINICAL MANAGEMENT OF WOMEN'S HEALTH AND ILLNESS | 3 quarter hours****(Graduate)**

Lectures focus on synthesis and application of scientific knowledge for gynecologic advanced practice nursing. The integrated role of the advanced practice nurse in providing holistic care and collaborative practice is emphasized. (3 quarter hours)

**NSG 478 | CLINICAL MANAGEMENT OF ACUTE AND CHRONIC ILLNESSES IN PRIMARY CARE | 4 quarter hours****(Graduate)**

Lectures focus on synthesis and application of scientific knowledge for adult advanced practice nursing. The integrated role of the advanced practice nurse in providing holistic care and collaborative practice is emphasized. The dynamics of the adult client and nurse practitioner relationship will be analyzed, focusing on life transitions and the impact of health and illness on adults, families, and communities. Clinical practice guidelines will be evaluated through epidemiological and research evidenced of selected acute, emergent and chronic health problems.

**NSG 428, NSG 464, and NSG 484 are prerequisites for this class.**

**NSG 479 | ADVANCED GERONTOLOGICAL NURSING | 4 quarter hours****(Graduate)**

This course examines the biological changes of aging using a system approach and reviews selected clinical issues and health problems of older adults, particularly the common health conditions associated with geriatric syndrome. This course provides a foundation in advanced gerontological nursing theory and practice. Comprehensive geriatric assessment, changes in normal aging, geriatric syndromes and functional status of older adults will be explored. Students are expected to learn and apply evidence-based practice to promote wellness, maximize function, and enhance self-care of older adults.

**NSG 428, NSG 464, and NSG 484 are prerequisites for this class.**

**NSG 481 | BIostatISTICS AND EPIDEMIOLOGY | 4 quarter hours****(Graduate)**

The application of biostatistics/epidemiology to clinical practice and research is the intent of this seminar. Initial discussions will focus on understanding biostatistics and epidemiological statistics as applied to health and disease in diverse populations. From considering the relationship between measurement and biostatistics to understanding the importance of insuring data integrity throughout the research process, students will examine existing data sets (federal, voluntary agencies, professional/specialty organizations). Then the focus will be on understanding epidemiological statistics (rates, proportions, relative and absolute risk), descriptive statistics, measures of differences, measures of relationships/prediction, and multivariate statistical models as applied to health and disease.

**NSG 482 | INTRODUCTION TO EPIDEMIOLOGY | 2-4 quarter hours****(Graduate)**

An investigative problem-solving process is used to study the personal and ecological determinants of health and disease frequencies in diverse populations. Data are manipulated to plan, implement and evaluate health promotion and disease control programs for a variety of health care settings. Infectious and chronic disease prevention are emphasized. Students electing to take the course for four credit hours will complete a project using the epidemiologic method. (2 quarter hours)

**NSG 483 | PRACTICUM IN POPULATION-BASED NURSING PRACTICE I | 4 quarter hours****(Graduate)**

This is the first practicum in a sequence of supervised clinical experiences for nurse practitioner students. The focus is on application of health assessment and examination skills in the clinical setting, identification of health risks, and learning how to manage common illnesses. Analysis and application of current research is used as the basis for decision-making in performing the health history and physical assessment, contributing to interdisciplinary treatment planning, and teaching for health promotion and illness prevention. Course includes 160 preceptor clinical hours.

**NSG 484 | PHARMACOLOGY FOR ADVANCED PRACTICE | 4 quarter hours****(Graduate)**

Provides the advanced-practice nurse with the knowledge base necessary to manage pharmacological therapy for acute and chronically ill clients collaboratively with other members of the health care team. Direct and indirect responsibility for clinical decision-making regarding the administration, management and evaluation of drugs are emphasized.

**NSG 428 and NSG 464 are prerequisites for this class.**



**NSG 487 | PRACTICUM IN POPULATION-BASED NURSING PRACTICE II | 4 quarter hours (Graduate)**

This is the second practicum in a sequence of supervised clinical experiences for nurse practitioner students in which students demonstrate increasing comprehensive practice of primary care in the context of specialty practice for selected populations. Nurse practitioner student readings, assignments, and clinical experiences in primary care: family, adult, pediatric, or women's health with an emphasis on health promotion and disease prevention. Course includes 160 preceptor clinical hours.

**NSG 483 is a prerequisite for this class.**

**NSG 488 | PROFESSIONAL ISSUES & RESEARCH IN POPULATION-BASED ADVANCED PRACTICE NURSING | 4 quarter hours (Graduate)**

This course introduces the graduate nursing students to a variety of advanced practice nursing roles and the competencies needed for successful practice in those roles. The students explore the conceptual, theoretical, and empirical bases of population based advanced practice nursing. Critical thinking skills are developed through the student's debate of current local, state, and national laws and analysis of coding case studies. Communication skills are fostered through the use of class discussions and development of various assignments. Scholarly written and verbal presentations enhance the student's understanding of historical, economical, political, legal, and ethical perspectives of advanced practice nursing.

**NSG 490 | PRACTICUM IN POPULATION-BASED NURSING PRACTICE III | 4 quarter hours (Graduate)**

This is the third clinical practicum in a sequence of supervised clinical experiences for nurse practitioner students in which students demonstrate increasing comprehensive practice of primary care in the context of specialty practice for selected populations. This course provides the opportunity to integrate the multiple professional roles of the advanced practice nurse while refining their skills in the comprehensive practice of primary care and/or specialty practice for selected populations. Emphasis is on health promotion and disease prevention with unitary human beings in mutual process with their environment in the management of health and illness, teaching and health counseling and organizational and role competencies. Students select sites and preceptors in family, adult, pediatric or women's health promotion according to their area of concentration and self-assessed strengths and weaknesses. Course includes 180 preceptor clinical hours.

**NSG 487 is a prerequisite for this class.**

**NSG 493 | ADVANCED GERONTOLOGICAL NURSING & PHARMACOTHERAPEUTIC IMPLICATIONS | 5 quarter hours (Graduate)**

This course provides a foundation in advanced Gerontological nursing theory, practice and Pharmacotherapeutic implications of the older adult. Comprehensive geriatric assessment, changes in normal aging, geriatric syndromes, functional status and the various factors that impact the pharmacokinetics and pharmacodynamics of drugs used in the care of the older adult will be explored. Students are expected to learn and apply evidence-based practice to promote wellness, maximize function, and enhance self-care of older adults along with the economic and policy issues regarding pharmacotherapy of the older adult population.

**NSG 500 | CHEMISTRY AND PHYSICS OF ANESTHESIA | 6 quarter hours (Graduate)**

Review of principles of physics with emphasis on their application in the clinical practice of anesthesia. Nurse anesthesia residents (NAR) will engage in a comprehensive analysis of cell physiology and biochemistry with emphasis upon metabolism, enzyme function, and protein synthesis. Current research findings and their anesthetic implications will be discussed. (6 quarter hours)

**NSG 501 | ANATOMY AND PHYSIOLOGY I | 6 quarter hours (Graduate)**

An intensive 6 quarter hour course designed to provide the nurse anesthesia resident (NAR) with current knowledge of advanced anatomy and physiology of the gastrointestinal, nervous and endocrine systems. The course is divided into three sections with emphasis placed on the structural and functional role of each system in maintaining homeostasis. Clinical implications of current research findings will be stressed. (6 quarter hours)

**NSG 502 | ANATOMY AND PHYSIOLOGY II | 6 quarter hours (Graduate)**

An intensive 6 quarter hour course designed to provide the nurse anesthesia resident (NAR) with current knowledge of advanced anatomy and physiology of the cardiovascular, respiratory and renal systems. The course is divided into sections with emphasis placed on the structural and functional role of each system in maintaining homeostasis. Clinical implications of current research findings will be stressed. (6 quarter hours)

**NSG 503 | PATHOPHYSIOLOGY | 6 quarter hours (Graduate)**

An intensive 6 quarter hour course designed to provide the nurse anesthesia resident (NAR) with current knowledge of diseases and disorders of the nervous, endocrine, cardiovascular, respiratory, renal, GI/hepatic, and musculoskeletal systems. Implications for the design and implementation of an appropriate anesthesia care plan for individuals with specific system disease/disorders will be discussed in detail. Emphasis will be placed on system-specific diagnostic and therapeutic procedures that require anesthesia services. (6 quarter hours)

**NSG 504 | PRINCIPLES OF ANESTHESIA PRACTICE I | 4 quarter hours (Graduate)**

Designed to introduce the nurse anesthesia resident (NAR) to the advanced practice of nurse anesthesia. Emphasis is placed upon pre-operative patient assessment, anesthesia equipment and technology, airway management, intra-operative management, and postoperative care of patients undergoing general and regional anesthesia. Course includes orientation to clinical practice. Course includes 40 clinical hours and 30 lab hours.

**NSG 505 | PRINCIPLES OF ANESTHESIA PRACTICE II | 4 quarter hours (Graduate)**

An intensive 4 quarter hour course designed to provide the nurse anesthesia resident (NAR) with current knowledge of special populations, including pediatric, obstetric, geriatric and trauma patients, as well as patients requiring pain management. Emphasis will be placed on the anatomical and physiological differences that characterize each population with a focus on the pathological disorders unique to each group. The preparation, implementation and evaluation of an appropriate nurse anesthesia care plan for these populations will be stressed.

**NSG 506 | PRINCIPLES OF ANESTHESIA PRACTICE III | 4 quarter hours (Graduate)**

An in-depth course that places emphasis on perioperative anesthetic management of patients presenting for specialty surgical procedures or requiring management for chronic pain. Implications for the development, implementation, and evaluation of anesthesia care plans will be stressed. The ethical, legal and professional issues that influence the advanced practice of nurse anesthesia will be discussed. Course includes preparation for the Certification Examination for Certified Registered Nurse Anesthetists.

**NSG 507 | ANESTHETIC PHARMACOLOGY | 6 quarter hours (Graduate)**

This course is an in depth introduction to anesthetic pharmacology. It covers the pharmacokinetics, pharmacodynamics, and pharmacotherapeutics of drugs used in the administration of general, local, and regional anesthesia and provides the scientific basis for the advanced practice of nurse anesthesia. (6 quarter hours)

**NSG 508 | ADJUNCTIVE ANESTHETIC | 4 quarter hours (Graduate)**

This 4 quarter hour hybrid course (in class and on-line sections) includes the pharmacokinetics, pharmacodynamics, and pharmacotherapeutics of drugs used in the treatment of a variety of disease states. Implications of current therapy with these agents and use of selected agents as adjunctive therapy in the advanced practice of nurse anesthesia will be stressed.

**NSG 509 | ADVANCED PHYSICAL ASSESSMENT FOR NURSE ANESTHETISTS | 2 quarter hours (Graduate)**

This course will provide strategies that promote effective history-taking along with cognitive and psychomotor skills needed for the advanced physical assessment of the neurological, musculoskeletal, respiratory, cardiac, circulatory, and gastrointestinal systems across the lifespan. The assessment of body systems includes an overview of anatomy and physiology, techniques necessary to perform inspection, palpation, percussion and auscultation; and interpretation of physical findings and laboratory testing relevant to the advanced practice of nurse anesthesia. (2 quarter hours)

**NSG 521 | INNOVATIONS IN HEALTH CARE DELIVERY | 4 quarter hours (Graduate)**

This course provides the laboratory and clinical experiences for the development of the professional nurse role as case manager and administrator. Learning activities focus on implementing contemporary data-based nursing practice models in a variety of health care settings, and the diffusion of innovation at the individual, family and organizational levels.

**NSG 522 | FINANCE AND COSTING IN HEALTH CARE | 4 quarter hours (Graduate)**

This course provides learning experiences that focus on fiscal management and budgetary practices in health care institutions. Budget preparation, cost-benefit analysis, product costing, reimbursement, and analysis of financial status in organizations are emphasized. Health care finance is covered involving the major sources and uses of funds. Health care accounting is included which addresses financial reporting and cost measurement. An understanding of finance, accounting, policy and administration enables the advanced practice nurse to enhance the delivery of health care in a dynamic health care environment.

**NSG 540 | CULTURE, ETHICS, AND POLICY ANALYSIS | 4 quarter hours (Graduate)**

This seminar is designed to explore cultural and ethical perspectives and their relationships to health policy. Health disparities based on social and cultural difference are linked to major diseases such as heart disease, cancer, diabetes, hypertension and stroke, as well as access to and outcomes of health services. Class discussions will focus on the past, current and future health policy needs of multicultural and multifaceted societies. The phenomena of cultural, ethnic, gender, class, and sexual variation in complex societies; notions of diversity and social justice; understandings of cultural conflicts and how cultural differences are managed in healthcare settings will be considered. Students will integrate concepts of all levels of prevention in health care, examine research in health ethics and health policy and discuss legislative processes for their potential to improve the health of the public. Course includes 12 CbSL hours.

**NSG 550 | HEALTHCARE ECONOMICS | 4 quarter hours (Graduate)**

This course focuses on application of supply and demand theory to the healthcare industry as well as analysis of financing and healthcare delivery in the United States and other countries. The principles and tools of microeconomics and macroeconomics will be applied to the healthcare market. Applications particularly pertinent in economic climates include the supply and demand of healthcare, practice incentives, managed care, malpractice and pharmaceutical economics.

**NSG 551 | LEADERSHIP AND ORGANIZATIONAL BEHAVIOR | 4 quarter hours (Graduate)**

The course focuses on critical leadership characteristics that are necessary for transforming organizational behavior in healthcare organizations. Students will analyze leadership theories/styles and the interrelationship between leadership and management. Strategies for directing and managing successful change based upon an organization's vision and mission will be explored. Students will have an opportunity to assess their personal leadership style and to develop effective strategic leadership skills.

**NSG 552 | PROGRAM EVALUATION | 4 quarter hours (Graduate)**

This course will familiarize the student in different types of program evaluation, including objectives oriented evaluation, management oriented evaluation, consumer oriented evaluation, expertise oriented evaluation adversary oriented evaluation, participant oriented evaluation and alternative evaluation approaches. Students gain practical experience through a series of exercises involving the design of a conceptual framework, development of indicators, analysis of computerized service statistics, and development of an evaluation plan to measure impact.

**NSG 553 | POPULATION HEALTH QUALITY AND SAFETY | 4 quarter hours (Graduate)**

This course enables the advanced practice nursing student an opportunity to build a foundation of insight and knowledge about key issues and concepts related to population health and support high quality care and outcomes. Emphasis is on transforming healthcare leadership to improve patient care quality and safety, decrease costs and improve population health.

**NSG 554 | INFORMATICS AND TECHNOLOGY APPLICATIONS | 4 quarter hours****(Graduate)**

This course focuses on information systems technology and its application for the improvement and transformation of patient-centered health care. Implications of informatics for advanced nursing practice and health care in general are explored. Impact on consumer-provider relationships, ethical and legal issues, global/future informatics issues and electronic health record issues are being examined. The course prepares the student to become proficient at selecting and using technology for organizing, analyzing, managing, and evaluating information in nursing administration, education, and clinical practice settings. The use of technology as an adjunct to inquiry and how it supports clinical and professional decision-making is explained and demonstrated.

**NSG 555 | PHARMACOTHERAPEUTIC IMPLICATIONS FOR THE OLDER ADULT | 2 quarter hours****(Graduate)**

This course examines various factors that impact the pharmacokinetics and pharmacodynamics of drugs used in the care of the older adult. The primary focus will be on drug therapy in the older person, ensuring the appropriate use of frequently prescribed medications. Economic and policy issues regarding pharmacotherapy of the older adult will be explored. Students are expected to develop nursing assessments skills and plan nursing interventions that can promote the appropriate use of medications in this complex older adult patient population. (2 quarter hours)

**NSG 428, NSG 464, and NSG 484 are prerequisites for this class.**

**NSG 561 | EVIDENCE BASED MANAGEMENT | 3 quarter hours****(Graduate)**

This course provides an introduction to the utilization of best evidence in managing healthcare issues. The curriculum is intended to prepare the student to identify management problems and develop a related path of focused inquiry, evaluate reliable databases and searching strategies to find evidence, and base management decisions on the best evidence available. This course is offered through a consortium agreement with Rosalind Franklin University and follows the Rosalind Franklin calendar. (3 quarter hours)

**NSG 564 | ORGANIZATIONAL BEHAVIOR AND HUMAN RESOURCES | 3 quarter hours****(Graduate)**

This course in Organizational Behavior (OB), and Human Resources (HR), is designed to introduce organizational behavior theory; organizational communication, and human resource management principles to effectively lead and manage an organization. The OB Students will apply management and leadership techniques garnered from successful healthcare organizations to understand and practice management functions, including: understanding employee behavior and motivation, assessing performance, employing groups and teams, operationalize communication, evaluating conflict, and making appropriate business decisions. The HR functions of planning, recruiting, selecting, training, and appraising will be emphasized. Realistic case studies, collaborative discussions, practical research and peer reviews will be used to develop students' skills in organizational behavior and human resource management. This course is offered through a consortium agreement with Rosalind Franklin University and follows the Rosalind Franklin calendar. (3 quarter hours)

**NSG 565 | STRATEGIC PLANNING AND LEADERSHIP IN HEALTHCARE | 3 quarter hours****(Graduate)**

This course is intended to introduce the student to leadership skills and strategic planning in healthcare organizations. Creative, collaborative problem solving within the context of current strategic issues in healthcare will be explored. The course content provides an overview of the strategic planning process including the elements required to successfully develop and implement short and long-term plans. The course focuses on leadership skills and qualities necessary to succeed and thrive in the healthcare industry as well as assist the students in applying theories of leadership, motivation, communication and conflict management. Students will learn the construction of a strategic plan and analyze the state of strategic planning in the healthcare industry. Additionally, students will have the opportunity to analyze their own leadership skills and create an action plan for leadership development. This course is offered through a consortium agreement with Rosalind Franklin University and follows the Rosalind Franklin calendar. (3 quarter hours)

**NSG 566 | CURRENT TOPICS IN HEALTHCARE ADMINISTRATION AND MANAGEMENT | 3 quarter hours****(Graduate)**

Healthcare administrators and managers must be knowledgeable about current topics that face their profession. Using critical inquiry and research skills, students will explore current topics and controversies in the field of healthcare administration and management. The ability to analyze, research and apply the findings to contemporary issues will be stressed.

**NSG 567 | HEALTHCARE POLICY AND DELIVERY SYSTEMS | 3 quarter hours****(Graduate)**

The historical evolution of health services provides a backdrop for the core focus of this course: the study of the healthcare system. The curriculum includes an analysis of the current changes in the healthcare environment and the problems affecting the delivery of healthcare in the United States that create a demand for government action. A study of the process of policy formation underscores the complexity and difficulty of government action. Economic and political approaches to health policy analysis will be introduced with a particular focus on contrasting competitive and regulatory approaches to the resolution of health policy problems.

**NSG 569 | TOPICS IN HEALTHCARE ADMINISTRATION | 3 quarter hours****(Graduate)**

This course is offered through a consortium agreement with Rosalind Franklin University and follows the Rosalind Franklin calendar. (3 quarter hours)

**NSG 570 | LEARNING THEORIES | 3 quarter hours****(Graduate)**

Students will examine domains of learning and adult learning theories and how they apply to health professions students. Topics include best practices for motivation, adapting to various learning styles, teaching models/strategies, instructional paradigms, and interprofessional learning environments. The concept of lifelong learning is introduced and students will explore the role that higher education and corporate education/training play in instilling a desire for lifelong learning. In addition, students will develop statements of Teaching Philosophy and Philosophy on Interprofessional Education. This course is offered through a consortium agreement with Rosalind Franklin University and follows the Rosalind Franklin calendar. (3 quarter hours)

**NSG 574 | CLASSROOM ASSESSMENT | 4 quarter hours  
(Graduate)**

Students will examine various tools to assess student learning in the classroom setting. Topics include annotated portfolios, concept maps, memory matrix, process analysis, rubrics development, and the use of reflective statements. Students will also discuss how to adapt assessment tools to include interprofessional students. This course is offered through a consortium agreement with Rosalind Franklin University and follows the Rosalind Franklin calendar. (3 quarter hours)

**NSG 575 | COURSE DEVELOPMENT | 4 quarter hours  
(Graduate)**

Students will apply curriculum design techniques to develop a course in a health-related area of their own choosing. Activities will include writing learning objectives, planning and organizing content, selecting instructional methods and materials, and designing assessment tools. Students will also discuss how to adapt courses to include interprofessional students. This course is offered through a consortium agreement with Rosalind Franklin University and follows the Rosalind Franklin calendar. (3 quarter hours)

**NSG 576 | INSTRUCTIONAL PRESENTATION SKILLS | 3 quarter hours  
(Graduate)**

Students will acquire classroom presentation skills as they explore effective teaching and learning strategies. Topics include effective speaking, use of technology in the classroom, creation of PowerPoint presentations, effective communication through posters, creating dynamic learning environments, and adapting presentations to interprofessional groups of students.

**NSG 577 | ROLE TRANSITION FOR THE NURSE EDUCATOR | 4 quarter hours  
(Graduate)**

Students will engage in direct care clinical practice experiences integrating new knowledge gained from theory courses as they transition from baccalaureate prepared nurse to graduate level nurse educator. This pass/fail course requires a total of 120 direct care clinical practice experiences through mentorship from a graduate prepared nurse in an area of interest of the student's choosing. Emphasis is on immersion into advanced direct care clinical practice to integrate new learning and expand clinical expertise.

**NSG 579 | EVALUATING CLINICAL COMPETENCE | 3 quarter hours  
(Graduate)**

Student will develop appropriate tools to evaluate student performance in a clinical setting. In addition, students will develop a clinical rotation manual in their area of interest. This course is offered through a consortium agreement with Rosalind Franklin University and follows the Rosalind Franklin calendar. (3 quarter hours)

**NSG 580 | BIostatistics & RESEARCH METHODS FOR ADVANCED PRACTICE | 4 quarter hours  
(Graduate)**

This course provides an overview of the logical and appropriate use of epidemiological statistics (rates, proportions, relative and absolute risk), descriptive statistics, and most parametric and nonparametric procedures, including correlational and repeated measures analyses in the health profession as applied to health and disease in diverse populations. The course will develop the student's ability to apply and understand statistical and epidemiological concepts to guide evidence-based practice in a dynamic health care environment.

**NSG 585 | PORTFOLIO PRESENTATION | 1 quarter hour  
(Graduate)**

Students will assemble and present their teaching portfolio. The portfolio documents student mastery of each core objective: facilitation of learning, curriculum design, student assessment and program evaluation, and educational leadership. Students will present an analysis of each item included in their portfolios along with reflections for each item. In addition, students will perform a self-evaluation regarding their teaching preparedness, including cultural competence and establishment of interprofessional relationships.

**NSG 590 | INDEPENDENT STUDY IN NURSING | 2-6 quarter hours  
(Graduate)**

The student will work with a faculty mentor to develop an individualized plan of work involving in depth study in an area related to nursing and healthcare. This can include, but is not limited to, reviewing literature for evidence of best practices, developing a research project, collecting data on an ongoing project, coding or analyzing data, developing a research presentation, or working in the community on research or evidence-based intervention projects. (variable quarter hours)

**NSG 596 | CAPSTONE IN NURSING ADMINISTRATION | 4 quarter hours  
(Graduate)**

This course provides a reflective synthesis of the coursework for Health Administration with an emphasis on the American Organization of Nursing Leaders competencies. This final Practicum will include a formal synthesis paper and oral presentation that documents achievement of the MS degree outcomes and the competencies in the selected area of specialization. The paper will provide evidence of students' achievement of the program outcomes and the competencies required to become a nurse administrator and to sit for the certification exam in Executive Nursing Practice. Critical concepts covered will include communication, relationship-building, healthcare environment, leadership, professionalism, and business skills. Requires 105 hours of practicum plus online lecture/seminar.

**NSG 597 | CAPSTONE IN NURSING EDUCATION | 4 quarter hours  
(Graduate)**

This course provides a reflective synthesis of the coursework for Nursing Education. This final Practicum will include a formal synthesis paper and oral presentation that documents achievement of the MS degree outcomes and the competencies in the selected area of specialization. The paper will provide evidence of students' achievement of the program outcomes and the competencies required to sit for the Certified Nurse Education Examination (CNE) and become a nursing educator. Critical concepts covered will include effective teaching strategies, evaluation, measurement, and educational processes, and psychometric testing for academic outcomes. Current pedagogical, ethical, social and legal aspects of nursing education will be included. Requires 105 hours of practicum plus online lecture/seminar.

**NSG 598 | GRADUATE RESEARCH SYNTHESIS | 4 quarter hours  
(Graduate)**

This course focuses on a capstone experience synthesizing the science of professional nursing practice impacting quality and safety care of vulnerable populations. Leadership and advocacy skills occur through the translation of the critical examination of literature into quality improvement initiatives and policy recommendations for clinical practice.

**NSG 401 and NSG 481 are a prerequisite for this class.**

**NSG 599 | THESIS RESEARCH | 4 quarter hours  
(Graduate)**

Students conduct supervised original research terminating in a completed and bound thesis. The study must be approved by the faculty advisor and the thesis committee approved by the School of Nursing prior to registration and must be completed during the term.

**NSG 401 and NSG 481 are a prerequisite for this class.**

**NSG 600 | EVIDENCE-BASED PRACTICE RESEARCH | 4 quarter hours  
(Graduate)**

This course will focus on the evidence based practice process, theories, concepts, and methods. This will include the synthesis and application of scientific evidence to nursing and healthcare practice within a systems framework. Students will develop a proposal for an evidence-based, scholarly leadership proposal, which will translate science into practice. In order to accomplish this, the student will focus on a specific aggregate population, and develop the program to make a positive impact on healthcare delivery. This proposal will be presented to a faculty committee consisting of three faculty members for their approval.

**NSG 580 is a prerequisite for this class.**

**NSG 601 | EVIDENCE-BASED PRACTICE RESEARCH II | 4 quarter hours  
(Graduate)**

Students will submit individual objectives to the faculty advisor and committee who will guide the student through project implementation. Students will implement their evidence based Scholarly Leadership Project during this course.

**NSG 600 is a prerequisite for this class.**

**NSG 602 | DNP PROJECT PRACTICUM | 4 quarter hours  
(Graduate)**

Students will implement and evaluate their evidenced-based DNP Project during this 100 hour practicum. Upon completion of this project the results will be presented to their DNP Committee with a publishable quality manuscript and oral presentation for their approval. Course includes 100 project hours.

**NSG 601 is a prerequisite for this class.**

**NSG 603 | DNP PROJECT CANDIDACY CONTINUATION | 0 quarter hours  
(Graduate)**

Students who have completed their coursework but who are actively working on the requirements for implementation and evaluation of their evidenced-based DNP project. Students must enroll in candidacy continuation each quarter of the academic year until the DNP project requirements have been completed. The course carries the equivalent of less than half-time enrollment status. Course requires graduate program director approval and proof of work each quarter. Pass/No Pass grading. (0 credit hours)

**NSG 610 | ANESTHESIA PRACTICUM I | 4 quarter hours  
(Graduate)**

An introduction to the clinical practice of nurse anesthesia with an emphasis on the principles introduced in ANES 500-504, 507, and 508. Includes administration of anesthesia for select patient populations under direct instruction and supervision of a certified registered nurse anesthetist (CRNA) or anesthesiologist. The course content focuses on specific general surgical procedures, including intra-abdominal, gynecological, urologic, ear, nose and throat, orthopedic, and endoscopic procedure. Content knowledge will be assessed through objective examinations. The preparation, implementation and evaluation of an appropriate nurse anesthesia care plan for these populations will be assessed through clinical performance evaluations and written care plans Course includes Human Patient Simulation (HPS) assignments. Course includes 40 clinical hours/week and 20 lab hours/quarter.

**NSG 504 and NSG 507 are a prerequisite for this class.**

**NSG 611 | ANESTHESIA PRACTICUM II | 4 quarter hours  
(Graduate)**

Includes administration of general and regional anesthesia for patients undergoing a variety of elective and emergency surgical procedures and diagnostic procedures. Management of special populations, including pediatric, obstetric, and geriatric patients is emphasized with a focus on the anatomical and physiological differences and pathological disorders that characterize each population. Content knowledge will be assessed through objective examinations. The preparation, implementation and evaluation of an appropriate nurse anesthesia care plan for these populations will be assessed through clinical performance evaluations and written care plans Course include Human Patient Simulation (HPS) assignments. Course includes 40 clinical hours/week and 12 lab hour/quarter.

**NSG 610 is a prerequisite for this class.**

**NSG 612 | ANESTHESIA PRACTICUM III | 4 quarter hours  
(Graduate)**

Includes administration of general and regional anesthesia for patients undergoing a variety of elective and emergency surgical procedures and diagnostic procedures. In addition to anesthetic management of the trauma patient, the course includes acute and chronic pain management, and advanced regional anesthetic techniques. Content knowledge will be assessed through objective examinations. The preparation, implementation and evaluation of an appropriate nurse anesthesia care plan for these populations will be assessed through clinical performance evaluations and critically assessed topics (CAT assignments). Course include Human Patient Simulation (HPS) assignments. Course includes 40 clinical hours/week and 12 lab hour/quarter.

**NSG 611 is a prerequisite for this class.**

**NSG 613 | ADVANCED ANESTHESIA PRACTICUM I | 4 quarter hours  
(Graduate)**

The first in a series of advanced practicums that provides the third year DNP student with the opportunity to develop, implement, and evaluate an anesthesia care plan for all patient populations with an emphasis on specialty surgical procedures, insertion of invasive monitoring and advanced airway management. Emphasis is placed on application, integration, and synthesis of knowledge, skills, and attitudes that are representative of the advanced practice of nurse anesthesia. This advanced practicum provides the opportunity to explore the professional aspects of nurse anesthesia practice, link policy making with clinical systems, and translate research into practice. Includes seminar presentations on selected topics relative to the advanced practice of nurse anesthesia and self assessment assignments. Course includes 45 clinical hours/week and 4 lab hours/quarter.

**NSG 612 is a prerequisite for this class.**

**NSG 614 | ADVANCED ANESTHESIA PRACTICUM II | 4 quarter hours  
(Graduate)**

Description: The second in a series of advanced practicums that provides the third year DNP student with the opportunity to develop, implement, and evaluate comprehensive anesthesia care plan for all patient populations undergoing a wide variety of diagnostic, surgical and therapeutic procedures. This advanced practicum provides the opportunity to explore the professional aspects of nurse anesthesia practice, link policy making with clinical systems, and translate research into practice. Includes critically appraised topics, case narratives and seminar presentations on selected topics relative to the advanced practice of nurse anesthesia. Course also includes Crisis Resource Management in the Human Patient Simulator (HPS). Course includes 45 clinical hours/week and 4 lab hours/quarter.

**NSG 613 is a prerequisite for this class.**

**NSG 615 | ADVANCED ANESTHESIA PRACTICUM III | 4 quarter hours (Graduate)**

The third advanced practicum for DNP students provides an opportunity to develop, implement, and evaluate an anesthesia care plan for all patient populations undergoing a wide variety of surgical and therapeutic procedures. This advanced practicum provides the opportunity to opportunity to explore the professional aspects and link policy making with clinical systems, translate research into practice and serve as change agents for health care. Includes critically appraised topics, case narratives, seminar presentations on selected topics relative to the advanced practice of nurse anesthesia, and Crisis Resource Management in the Human Patient Simulator (HPS). Course includes 45 clinical hours/week and 4 lab hours/quarter.

**NSG 614 is a prerequisite for this class.**

**NSG 616 | ADVANCED ANESTHESIA PRACTICUM IV | 4 quarter hours (Graduate)**

The final advanced practicum in which the third year nurse DNP student demonstrates the advanced knowledge and skills that comprise a foundation for nurse anesthesia practice, the ability to work independently or as a contributing member of the anesthesia care team, adherence to professional standards as well as ethical and moral principles while providing care to a multicultural patient population, analysis and synthesis of current research that support evidence based anesthesia practice, an awareness of limited healthcare resources and cost containment strategies, the ability to perform a comprehensive self evaluation; and display of a professional attitude toward lifelong learning. The practicum includes completion of a final comprehensive exam, the Self Evaluation Exam (SEE) and professional portfolio, and presentation and dissemination of the Scholarly Leadership Project. Course includes 45 clinical hours/week.

**NSG 615 is a prerequisite for this class.**

**NSG 700 | ADVANCED PRACTICUM FOR NURSE PRACTITIONERS I | 4 quarter hours (Graduate)**

First of a series of two clinical courses that focus on developing proficiency in advanced nursing assessment and management for health promotion and disease prevention, management of complex health conditions, and working with interdisciplinary teams to provide care and services for persons across the lifespan. Students will ground their studies in the science of nursing interventions, moral/ethical issues, and nursing research. Practicum experiences are arranged to meet the individual needs of students while also meeting accreditation and certification requirements. This practicum provides an in-depth clinical experience for students in assessing an aggregate population within the context of a clinical setting, and developing programs to creatively and cost effectively affect changes in health care delivery. The clinical residency experience is facilitated by an advanced practice expert clinician, and forms the setting and basis for the Scholarly Leadership Project. There is no lecture/discussion component to this course. The student will meet with his/her course instructor on a regular basis for individual discussion and guidance in this Practicum course. Course includes 200 residency clinical hours.

**NSG 701 | ADVANCED PRACTICUM FOR NURSE PRACTITIONERS II | 4 quarter hours (Graduate)**

Second of a series of two clinical courses that emphasizes incorporating current research and demonstrating increasing autonomy and proficiency in decision making and case management. This advanced practicum provides the student with the opportunity to link policy making with clinical systems, translate research into practice, and serve as change agents for health care. In addition, this course provides the student with an opportunity to demonstrate expert knowledge, and expert clinical assessment and diagnostic skills when working with various patient populations. This practicum provides an in-depth clinical experience for students in assessing an aggregate population within the context of a clinical setting, and developing programs to creatively and cost effectively affect changes in health care delivery, and to evaluate those programs. The clinical residency experience is facilitated by an advanced practice expert clinician, and forms the setting and basis for the Scholarly Leadership Project. There is no lecture/discussion component to this course. The student will meet with his/her course instructor on a regular basis for individual discussion and guidance in this Practicum course. Course includes 150 residency clinical hours.

**NSG 700 is a prerequisite for this class.**