

NURSING (NURS)

NURS 2610 Contemporary Nursing 3 s.h.

Concepts related to professional nursing practice including nursing as a developing profession; educational perspectives and patterns; legal and ethical accountability; economic and political aspects; health care delivery systems; and nursing management and leadership roles. Open to nursing and non-nursing majors.

NURS 2643 Health Assessment 4 s.h.

Development of communication and assessment skills for obtaining health data from various age groups, as well as reporting and recording findings. Three hours lecture and three hours lab experience.

Prereq.: Admission to the Entry-level BSN program.

Coreq.: NURS 2643L.

NURS 2643L Health Assessment Laboratory 0 s.h.

Lab experience taken with NURS 2643 Health Assessment.

Prereq.: Admission to the Entry-level BSN program.

NURS 2645 Professional Nursing 1 8 s.h.

Applications of the nursing process for the care of clients with emphasis on health assessment, health promotion, and psychosocial and psychomotor skills. Three hours lecture, 15 hours clinical experience in a variety of settings per week.

Prereq.: NURS 2643, NURS 2610, NURS 2646 and BIOL 1560, BIOL 1560L.

NURS 2645L Professional Nursing 1 Laboratory 0 s.h.

Professional Nursing 1 Laboratory. 0 s.h..

NURS 2646 Pathophysiology 4 s.h.

Concepts related to pathophysiologic mechanisms of illness. Emphasis on application to nursing using the nursing process.

Prereq.: BIOL 1552/1552L and CHEM 1510/1510L or equivalent; Admission to the Entry-level BSN program.

NURS 2650 Pharmacology 3 s.h.

Concepts of pharmacology applies to major drug classes. Emphasis on application of nursing process to drug therapy across the lifespan.

Prereq.: NURS 2646.

NURS 3710 Nursing in the Community 5 s.h.

Nursing in the community including families in health and illness needs; culturally competent health care; teaching and learning aspects; psychosocial concepts, spirituality, and home health concepts and skills. To be taken concurrently with NURS 3710L.

Prereq.: NURS 2645/L.

NURS 3710L Nursing in the Community Laboratory 0 s.h.

Nursing in the Community Laboratory.

NURS 3720 Professional Nursing 3 s.h.

Concepts related to professional nursing practice for graduates of ADN and diploma programs.

Prereq.: Valid RN Licensure.

NURS 3725 Nursing Informatics 3 s.h.

This course explores nursing and health care informatics and its application to nursing practice and nursing education. Includes technological strategies to access, evaluate and document information and apply skills to patient care in the nursing profession. Development of computer skills to be successful in the online teaching format are included.

Prereq.: admission to online RN-BSN completion program; Valid RN license.

NURS 3730 Culture in Nursing 3 s.h.

Culture in Nursing: Students will develop cultural awareness, assessment, communication and intervention techniques for various Cultures. The application of Culture to the practice of Nursing will be emphasized.

Prereq.: Valid RN Licensure.

NURS 3731 Child Bearing, Family, and Women's Health Nursing 5 s.h.

Family-centered nursing concentrating on health promotion and illness prevention, acute and chronic healthcare needs for parent(s) during the reproductive expanding phase of the family cycle and for women from adolescence through old age. Three hours lecture and six hours clinical experiences in a variety of settings per week.

Prereq.: NURS 3741, NURS 3741L or departmental permission.

NURS 3731L Childbearing, Family, and Women's Health Nursing Laboratory 0 s.h.

Six hour weekly clinical experience to be taken concurrently with NURS 3731 Childbearing, Family and Women's Health Nursing. Prereq. NURS 3741/L or departmental permission.

NURS 3735 Health Promotion Across the Lifespan 3 s.h.

This course provides the student with a theoretical foundation for wellness, health promotion and disease prevention across the lifespan. The role of the nurse as a health educator and patient advocate for health care and maintenance of health for patients of various ages, their families and groups will be explored. Students will develop a plan of care to ensure healthy lifestyles and promotion of wellness. Three class hours and no clinical hours/week.

Prereq.: Valid RN Licensure.

NURS 3741 Professional Nursing 2 6 s.h.

course Description Coreq.: NURS 3741L.

course Description Prereq.: NURS 2645/L.

NURS 3741L Professional Nursing 2 Laboratory 0 s.h.

Eight hour clinical experience to be taken concurrently with NURS 3741.

Prereq.: NURS 2645/L.

NURS 3743 Professional Nursing 3 5 s.h.

Advanced principles and practices of health promotion and rehabilitation of patients with acute and chronic health needs. Three hours lecture, six hours clinical experience in a variety of settings per week. To be taken concurrently with NURS 3743L.

NURS 3743L Professional Nursing 3 Laboratory 0 s.h.

Six hour clinical experience to be taken concurrently with NURS 3743 Professional Nursing 3.

Prereq.: NURS 3741/L.

NURS 3746 Geriatric Health 2 s.h.

An examination of the aging person's physical changes with implications for determining healthcare needs and for interpreting the impact of these upon the elder's life and current health practices.

Prereq.: Junior status.

NURS 3747 Individual Studies 1-3 s.h.

The study of special problems or a review of the literature relating to specific problems or issues. May be repeated for a maximum of 6 s.h. with different problems.

Prereq.: Admission to program or permission of department chairperson.

NURS 3749 Nursing Research 3 s.h.

The process of research using reasoning and scientific rigor in critical analysis of nursing research.

Prereq.: STAT 2625, STAT 2601 or equivalent.

NURS 3750 Evidence Based Practice 3 s.h.

Process of evidence based practice using research, reasoning and scientific rigor in critical analysis of nursing research. Prereq: STAT 2625, RN-BSN Online Program.

NURS 4804 Health Assessment for RNs 3 s.h.

Increase clinical knowledge and skills in health assessment of clients of various age groups, and the reporting and recording of findings.

Prereq.: admission to online RN-BSN completion program.

NURS 4832 Nursing Care of Children and Families 5 s.h.

Family-centered nursing concentrating on health promotion/illness and prevention and acute/chronic health care needs of the developing child and family. Three hours lecture and six hours clinical experience in a variety of settings per week. Prereq.: To be taken concurrently with NURS 4832L.

Prereq.: NURS 3741/L.

NURS 4832L Nursing Care of Children and Families Laboratory 0 s.h.

Nursing Care of Children and Families Laboratory.

NURS 4840 Complex Care 5 s.h.

High acuity, restorative, and health promoting care of clients with complex health problems. Three hours lecture, six hours clinical experience in a variety of settings per week.

Prereq.: NURS 3743, Entry-level BSN senior status.

NURS 4840L Complex Care Laboratory 0 s.h.

Complex Care Laboratory.

NURS 4842 Mental Health Nursing 5 s.h.

This course provides mental health theories and strategies as the foundation in the management of individuals, families, and groups experiencing acute and chronic mental illness. Emphasis on the promotion of optimal level functioning and mental wellness. Three hours lecture, six hours clinical experience in a variety of settings per week. Entry-level BSN senior status.

Prereq.: NURS 3743/L.

NURS 4842L Mental Health Nursing Laboratory 0 s.h.

Mental Health Nursing Laboratory.

NURS 4844 Community Health Nursing 3 s.h.

Synthesis of nursing and public health sciences with emphasis on promotion and maintenance of healthy communities through the assessment and analysis of at-risk population groups. Includes nursing role in health care policy.

Prereq.: NURS 3743.

NURS 4846 Community Health Nursing for RNs 3 s.h.

A synthesis of nursing and public health sciences emphasizing health of communities through assessment analysis of at-risk population groups. Includes nursing role in healthcare policy.

Prereq.: Valid RN license.

NURS 4852 Senior Capstone Seminar 3 s.h.

Provides students with opportunities to integrate and synthesize nursing knowledge through research, writing, and presentations on current topics and issues. Total experiential learning 20 hours.

Prereq.: RN license.

Gen Ed: Capstone.

NURS 4853 Nursing Transitions 4 s.h.

Analysis, synthesis, and evaluation of care delivered by the healthcare team with emphasis on development of leadership and research roles. Two hours lecture and eight hours clinical experience with a preceptor in a variety of settings per week.

Prereq.: NURS 3743, NURS 3743L; can be taken concurrently with NURS 4840, NURS 4840L, or NURS 4842, NURS 4842L.

NURS 4853L Nursing Transitions Laboratory 0 s.h.

Nursing Transitions Laboratory.

NURS 4854 Nursing Leadership 4 s.h.

Analysis, synthesis, and evaluation of care delivered by the healthcare team with emphasis on development of leadership and research roles for the registered nurse. Total experiential learning 40 hours.

Prereq.: Valid RN License.

NURS 4854L Nursing Leadership Laboratory 0 s.h.

Nursing Leadership Laboratory.

NURS 4855 Comprehensive Nursing Summary 2 s.h.

Identifies individual strengths and weaknesses with emphasis on improving students' understanding and demonstration of essential nursing knowledge. Must be taken concurrently with NURS 4853 and NURS 4852.

Prereq.: Senior standing in nursing.

NURS 6900 Healthcare Issues and Trends 3 s.h.

Exploration of nursing issues including changing roles and scope of practice and discipline concerns, with emphasis of interdisciplinary collaboration and social, cultural, political, economic, legal, regulatory, and ethical practice considerations.

NURS 6901 Theoretical Foundations in Science and Research 3 s.h.

Analysis of health-related evidence to continuously improve quality of for practice. Exploration of the significance of theory, research and research methods and strategies for translating evidence into practice. Research design, instrumentation, data collection methods, statistical analysis, data analysis and data interpretation will be discussed.

Prereq.: Nursing graduate status.

NURS 6902 Advanced Pathophysiology 3 s.h.

Normal physiologic functions and pathologic mechanisms are examined to prepare nurses for advanced practice roles.

NURS 6903 Advanced Pharmacology 3 s.h.

Application of pharmacological concepts in clinical settings with examination of major categories of pharmacological agents.

Prereq.: NURS 6902.

NURS 6904 Advanced Health Assessment 3 s.h.

Development of advanced clinical knowledge and skills needed for comprehensive health assessment across the life span. Emphasis on health history, physical, cultural, developmental and nutritional assessments with differential diagnosis of common health problems.

Prereq.: NURS 6902 (or concurrent).

NURS 6906 Advanced Statistics 3 s.h.

Advanced inferential and multivariate statistical techniques used in nursing and other health professions, with emphasis on PASW computer analysis for interpretation of nursing and health data.

Prereq.: An undergraduate statistics course or equivalent.

NURS 6907 Health Assessment of School Children 3 s.h.

Development of advanced clinical knowledge and skills in assessment of school children. Emphasis on research from nursing, biological, behavioral, and social sciences.

Prereq.: enrollment in school nurse licensure program.

NURS 6908 Health Assessment of School Children Practicum 2 s.h.

Application of advanced nursing knowledge and skills from NURS 6907, focusing on assessment of children in school settings.

Concurrent: NURS 6907.

NURS 6909 Anesthesia Principles 1 2 s.h.

This course describes anesthesia equipment and hemodynamic monitoring in the operating room setting. It also explores the respiratory and cardiovascular systems and includes in depth assessment of the airway, lungs, heart, and vasculature. Evaluation of anesthesia considerations for patients who have pathological conditions of these systems will take place.

Prereq.: Admission to the YSU MSN program, Nurse Anesthesia option.

NURS 6910 Professional Aspects of Nurse Anesthesia 3 s.h.

Ethics, legal aspects, and professional issues associated with a career in nurse anesthesia. Includes a history of anesthesia and the role of certified registered nurse anesthetists (CRNA).

Prereq.: Acceptance into nurse anesthesia option.

NURS 6911 Pharmacology 1 for Nurse Anesthetists 3 s.h.

Basic principles of pharmacology including drug effectiveness, mechanism of action, and drug interactions. Emphasis on pharmacological action of drugs on specific organ systems and use in treatment of disease conditions.

Prereq.: Acceptance into nurse anesthesia option.

NURS 6912 Pharmacology 2 for Nurse Anesthetists 3 s.h.

Comprehensive study of drugs and adjunctive agents used in anesthesia practice. Includes a review of inhalation and intravenous anesthetics, local anesthetics, neuromuscular blocking agents, and adjunctive drugs.

Prereq.: NURS 6911.

NURS 6913 Medical Chemistry and Physics for Nurse Anesthetists 3 s.h.

Application of organic chemistry, biochemistry, and medical physics in the practice of anesthesia.

Prereq.: Acceptance into nurse anesthesia option.

NURS 6914 Human Anatomy, Physiology, and Pathophysiology 1 for Nurse Anesthetists 3 s.h.

Study of the structure and function of the human body.

Prereq.: Acceptance into nurse anesthesia option.

NURS 6916 Anesthesia Principles 2 3 s.h.

Introduction to anesthesia practice and techniques, including preoperative assessments, anesthesia drugs, care plan development and implementation, and safety issues.

Prereq.: NURS 6909 and acceptance into Nurse Anesthesia Option.

NURS 6917 Differential Diagnosis 3 s.h.

Developing diagnostic reasoning skill through comprehensive analysis of present and past histories, physical findings, and diagnostic studies that contribute to differential diagnoses of major health problems across the lifespan. The client is assessed from a holistic advanced practice perspective with consideration of individual culture, social, family, and community environments.

Prereq.: NURS 6902.

NURS 6918 Advanced Diagnostics and Technologies 3 s.h.

Theory and technical skills essential to the advanced practice environment. Focuses on select technologies, informatics, telehealth, common procedures, and diagnostic tests encountered by advanced practice nurses in the clinical/practice setting.

Prereq.: NURS 6902.

NURS 6920 Special Topics 1-4 s.h.

Topics may vary from semester to semester and will be announced along with prerequisites and hours. May be repeated. S/U grading.

NURS 6998 Anatomy and Physiology of Aging 3 s.h.

Using a systems approach, this course will examine the anatomical and physiological changes that occur with aging. It will discuss age-related disorders and evaluate the impact of these changes on activities and daily function. This course will be cross-listed with GERO 6998.

NURS 7000 Adult and Gerontology Care 3 s.h.

Advanced nursing management of adult and geriatric health care needs. Taken concurrently with NURS 7001.

Prereq.: NURS 6904, NURS 6905, and NURS 6998.

NURS 7002 Nursing Science and Research 2 3 s.h.

Continuation of NURS 6901, focusing on design, instrumentation, data collection methods, data analysis and data interpretation.

Prereq.: NURS 6901 and NURS 6906.

NURS 7003 Role Development in Advanced Practice 3 s.h.

The examination of concepts, theories, and research related to advanced practice role. Explores the history and overview of the role of the advanced practice nurse as provider, consultant, educator, researcher, and leader in practice. Examines select legal, practice, and ethical issues in advanced practice.

NURS 7004 Role Development Practicum 2 s.h.

Application of concepts, theories, and research through practicum hours in a variety of settings.

Prereq.: NURS 7029 or NURS 7042.

NURS 7005 Capstone Practicum 3 s.h.

Culminating course of the MSN program. Synthesis of learned concepts and theories in the form of an individual scholarly project and dissemination of findings under the direction of a graduate faculty member..

Prereq.: Completion of all graduate nursing coursework and approval of the MSN faculty committee.

NURS 7006 Special Topics in Nursing 1-5 s.h.

Special interest nursing topics selected by the faculty which reflect current trends and issues in nursing practice. May be repeated as desired.

NURS 7008 Schools and Health 3 s.h.

Population focus survey of children's health issues and K-12 schools using CDC Coordinated School Health Program model as an organizing framework. Topics include school health policy, relationship of health and academic outcomes, and Youth Risk Behavioral Surveillance (YRBSS). Current research infused into the course.

Prereq.: Enrollment in school nurse licensure program.

Cross-listed: MPH 7008.

NURS 7010 Human Anatomy, Physiology, and Pathophysiology 2 for Nurse Anesthetists 3 s.h.

NURS 6914 Continuation of Anatomy, Physiology, and Pathophysiology I with further emphasis on cardiovascular, respiratory, renal, hepatic, and endocrine systems.

Prereq.: NURS 6914.

NURS 7011 Anesthesia Principles 3 5 s.h.

Examines specific anesthetic techniques used in a variety of surgical procedures.

Prereq.: NURS 6916.

NURS 7012 Anesthesia Principles 4 6 s.h.

Administration of anesthesia for high-risk patients.

Prereq.: NURS 7011.

NURS 7014 Health Management in Schools 3 s.h.

Advanced nursing management of health care needs of children in schools, pre-K through high school.

Prereq.: NURS 6907 or enrollment in school nurse licensure program.

NURS 7015 Health Management in Schools Practicum 2 s.h.

Application of knowledge and skills from NURS 7014, focusing on advanced nursing management of health care needs of children in schools, pre-K through high school. To be taken concurrently with NURS 7014.

Prereq.: NURS 6907.

NURS 7016 School Nurse Role 3 s.h.

Examination of concepts, theories, and research related to advanced practice role development, teaching, learning, technology, evaluation strategies, leadership, marketing skills, and health care delivery in school settings.

Prereq.: NURS 7014 or enrollment in the school nurse licensure program.

NURS 7017 School Nurse Role Practicum 1-5 s.h.

Application of concepts, theories, and research from school nurse courses in a variety of settings.

NURS 7018 Nursing Curriculum Design 3 s.h.

Focus on nursing curriculum development, design, and implementation.

Foundations of nursing curriculum, curriculum designs, and development of frameworks and learning strategies to achieve outcomes, and competencies in nursing education. 3 s.h..

NURS 7019 Nursing Instructional Methods 3 s.h.

Theoretical foundations and analysis of teaching strategies in academic and clinical settings promoting critical thinking, clinical judgment, assessment techniques, and learning outcomes in a variety of nursing education and healthcare settings.

NURS 7020 Evaluation in Nursing Education 3 s.h.

Methods, frameworks, basic principles, and strategies for nursing educational evaluation, including assessment, designs, curriculum and program evaluation tools, agency accreditation processes, and measurement tools of scoring and grading.

NURS 7021 Nurse Educator Role 3 s.h.

Examination of concepts, theories and research related to the nurse educator advanced practice role development including teaching, learning, technology, evaluation strategies, leadership, marketing skills, and nursing education practice in academic and health care delivery settings.

NURS 7022 Nurse Educator Role Practicum 3 s.h.

Field experience and application of concepts, theories, research findings, teaching strategies, learning, technology, evaluation strategies, leadership, and marketing skills from nursing education courses in a variety of nursing education and healthcare settings. This practicum will consist of 150 hours.

Prereq.: NURS 7018, NURS 7019, NURS 7020 and NURS 7021.

NURS 7024 Family and Women's Health 3 s.h.

Primary health care management of family and women in diverse settings. Emphasizes health promotion, illness prevention, disease detection, and identification and management of health problems and concerns affecting families and women throughout the lifespan. Taken concurrently with NURS 7025.

Prereq.: NURS 6903 (or concurrent), NURS 6902, NURS 6904.

NURS 7025 Family and Women's Health Practicum 2 s.h.

Application of concepts, theories and research from NURS 7024 in a variety of health care settings. Taken concurrently with NURS 7024.

Prereq.: NURS 6903 (or concurrent), NURS 6902, NURS 6904.

NURS 7026 Infant, Child and Adolescent Health 3 s.h.

Primary health care management of infants, children and adolescents in diverse settings. Emphasis on health promotion, illness prevention, disease detection, and identification and management of health problems and concerns from infancy through adolescence. Taken concurrently with NURS 7027.

Prereq.: NURS 6902, NURS 6903, NURS 6904, NURS 7024 and NURS 7025.

NURS 7027 Infant, Child and Adolescent Health Practicum 2 s.h.

Application of concepts, theories and research from NURS 7026 in a variety of health care settings. Taken concurrently with NURS 7026.

Prereq.: NURS 6902, NURS 6903, NURS 6904, NURS 7024 and NURS 7025.

Coreq.: NURS 7026.

NURS 7028 Adult and Older Adult Health 3 s.h.

Primary health care management of young adults, adults, and older adults in diverse settings. Emphasizes health promotion, illness prevention, disease detection, and identification and management of health problems and concerns affecting young adults, adults, and older adults. Taken concurrently with NURS 7029.

Prereq.: NURS 6902, NURS 6903, NURS 6904, NURS 7026, NURS 7027.

NURS 7029 Adult and Older Adult Health Practicum 2 s.h.

Application of concepts, theories and research from NURS 7028 in a variety of health care settings. Taken concurrently with NURS 7028.

Prereq.: NURS 6902, NURS 6903, NURS 6904, NURS 7026 and NURS 7027.

NURS 7037 Adult Gerontology Acute Care 1 3 s.h.

Competencies (knowledge, skills, and professional behaviors) required to provide comprehensive and holistic care to a culturally diverse, acutely ill population (young adult-frail elderly) is emphasized. Clinical manifestations of and patient response to particular patient care problems (e.g. pulmonary, cardiovascular, etc.) with emphasis on physical assessment findings for determining a differential diagnosis and planning of patient care needs, health promotion and health maintenance.

Prereq.: NURS 6902, NURS 6903, NURS 6904.

NURS 7038 Adult Gerontology Acute Care 1 Practicum 3 s.h.

Supervised clinical practicum in an acute care facility. Emphasis is placed on the APRN-patient/family relationship collaborating with the health care team and health information technology.

Prereq.: NURS 7037, NURS 7039, NURS 7041.

NURS 7039 Adult Gerontology Acute Care 2 3 s.h.

Competencies (knowledge, advanced skills, and professional behaviors) required to provide comprehensive and holistic care to a culturally diverse, acutely ill adult population (young adult – frail elderly) is emphasized. Clinical manifestations of and patient response to particular patient care problems (e.g. integumentary, infectious disease) with emphasis on physical assessment findings for determining differential diagnosis and planning of patient care needs, health promotion and health maintenance.

Prereq.: NURS 6902, NURS 6903, NURS 6904.

NURS 7040 Adult Gerontology Acute Care 2 Practicum 3 s.h.

Practicum in an acute care facility aligned with NURS 7039. Emphasis is placed on quality improvement and patient safety initiatives, interdisciplinary professional collaboration and functioning within the health system.

Prereq.: NURS 7037, NURS 7039, NURS 7041.

NURS 7041 Adult Gerontology Acute Care 3 3 s.h.

Focus on the integration of the role components delivered by the adult-gerontology nurse practitioner. Clinical manifestations of and patient response to particular patient care problems (i.e., endocrine, gastrointestinal, multisystem, trauma) with emphasis on physical assessment findings for determining a differential diagnosis and planning of patient care needs, health promotion and health maintenance. Emphasis on utilizing diagnostic reasoning, therapeutic interventions, pharmacological therapeutics, interdisciplinary treatment plans, consultation, referral, transitional care and research findings in the management and evaluation of culturally diverse acutely ill adult-gerontology patients.

Prereq.: NURS 6902, NURS 6903, NURS 6904.

NURS 7042 Adult Gerontology Acute Care 3 Practicum 3 s.h.

Practicum designed to integrate the independent practice competencies. Emphasis is on preventing illness, promoting health and an optimal functional level. Stabilizing the ill client and minimizing complications through an interdisciplinary approach and transitional care.

Prereq.: NURS 7037, NURS 7039, NURS 7041.

NURS 7045 Family Nurse Practitioner 1 3 s.h.

Knowledge, skills, and professional behaviors required to provide comprehensive and holistic primary care to a culturally diverse population across the lifespan. Emphasis is on health promotion, health maintenance, and management of common health problems pertaining to children, adolescents, gynecological, reproductive, and family centered primary care with an emphasis on physical assessment findings for determining and planning of patient care needs.

Prereq.: NURS 6902, NURS 6903, NURS 6904.

NURS 7046 Family Nurse Practitioner 2 3 s.h.

Knowledge, advanced skills and professional behaviors required to provide comprehensive and holistic care to a culturally diverse population across the lifespan. Emphasis is on health promotion, illness prevention, disease detection, and identification and management of health problems. Focus is on clinical manifestations of and patient response to acute and chronic health problems (e.g. cardiovascular, pulmonary, endocrine, etc.) with emphasis on diagnosing and planning of patient care needs, health promotion and health maintenance.

Prereq.: NURS 6902, NURS 6903, NURS 6904.

NURS 7047 Family Nurse Practitioner 3 3 s.h.

Knowledge, advanced skills and professional behaviors required to provide comprehensive and holistic care to a culturally diverse population across the lifespan. Emphasis is on health promotion, illness prevention, disease detection, and identification and management of health problems. Focus is on clinical manifestations of and patient response to acute and chronic health problems (e.g. renal, gastrointestinal, integumentary, etc.) with emphasis on diagnosing and planning of patient care needs, health promotion and health maintenance.

Prereq.: NURS 6902, NURS 6903, NURS 6904.

NURS 7048 Family Nurse Practitioner 1 Practicum 3 s.h.

Supervised clinical practicum consisting of 180 hours in a variety of primary care settings. It is designed to provide the beginning Family Nurse Practitioner student with comprehensive experiences in health promotion and the identification and management of acute and chronic health problems in individuals across the lifespan. Crosslisted with: Family Nurse Practitioner .

NURS 7049 Family Nurse Practitioner 2 Practicum 3 s.h.

Supervised clinical practicum consisting of 180 hours in a variety of primary care settings. It is designed to provide the Family Nurse Practitioner student with comprehensive experiences in health promotion and the identification and management of acute and chronic health problems in individuals across the lifespan.

Prereq.: NURS 7045, NURS 7046, NURS 7047.

NURS 7050 Family Nurse Practitioner 3 Practicum 3 s.h.

Supervised clinical practicum consisting of 180 hours in a variety of primary care settings. It is designed to provide the Family Nurse Practitioner student with comprehensive experiences in health promotion and the identification and management of acute and chronic health problems in individuals across the lifespan.

Prereq.: NURS 7045, NURS 7046, NURS 7047.

NURS 7051 Family Nurse Practitioner 4 Practicum 1 s.h.

The final supervised clinical practicum consisting of 120 hours in a variety of primary care settings. It is designed to provide the advanced Family Nurse Practitioner student with comprehensive experiences in health promotion and the integration and management of acute and chronic health problems in individuals across the lifespan.

Prereq.: NURS 7045, NURS 7046, NURS 7047, NURS 7048, NURS 7049, NURS 7050.

NURS 8900 Pharmacology for Nurse Anesthetists 1 3 s.h.

Provides an opportunity to focus on the advanced principles of anesthesia related to pharmacology. Presents in-depth material and includes discussions on the pharmacology of various classes of anesthetics and adjuvant therapeutics employed by nurse anesthetists, including anesthetic induction agents, benzodiazepines, opioid agonists/antagonists/agonist-antagonist, neuromuscular blocking agents, and local anesthetics.

Prereq.: Admission and enrollment in the DNP Nurse Anesthesia program.

NURS 8901 Anatomy, Physiology and Pathophysiology for Nurse Anesthetists 1 3 s.h.

An advanced study of the structure and function of the human body, with an emphasis on the neural, muscular and endocrine systems and pathophysiological conditions involving those systems.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8902 Healthcare Biostatistics 3 s.h.

This course will cover principles of biostatistics in the context of public health applications. It will include the basic techniques for analyzing and investigating public health issues including disparities. Statistical package SPSS will be used.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8903 Professional Role of Nurse Anesthesia Practice 2 s.h.

This course is an introduction to the professional role development of the nurse anesthetist. It is designed to introduce the student to the basic aspects of the nurse anesthetist as an anesthesia provider. This course examines wellness and work life balance and identifies issues related to substance abuse within the profession. Students will be introduced to the nurse anesthesia code of ethics, scope of practice, and standards of practice as set forth by the American Association of Nurse Anesthetists (AANA).

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8904 Chemistry, Biochemistry, and Physics for Nurse Anesthetists 3 s.h.

This course enables nurse anesthesia students to identify principles of chemistry, biochemistry, and physics in relation to anesthesia drug administration. The chemical composition of, and physiologic response to common anesthesia drugs are examined. Students will learn to predict the physiological response of drugs based on gas laws and the nature of fluids and vapors as they apply to anesthesia.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8905 Clinical Practicum 1 1 s.h.

This practicum introduces students to the clinical setting, beginning with orientation to each of the clinical sites. Nurse anesthesia students are introduced to the construction and execution of an anesthesia care plan. Students will experience supervised participation in actual administration of anesthesia. Integrates internalization of theoretical concepts and techniques and application in anesthetic management toward the achievement of the terminal objectives for competency in entry-level anesthesia practice. 120 clocked clinical hours. Graded S/U.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8906 Pharmacology for Nurse Anesthetists 2 3 s.h.

Provides an opportunity to focus on the advanced principles of anesthesia-related pharmacology. Focuses on anesthesia related uses and considerations with antihypertensives, alpha and beta adrenergic receptor agonist/antagonists, and anticoagulants. Presents in-depth material and discussions on the pharmacology of various drugs that contribute to pathological conditions such as malignant hyperthermia, asthma and congestive heart failure.

Prereq.: NURS 8900.

NURS 8907 Anatomy, Physiology and Pathophysiology for Nurse Anesthetists II 3 s.h.

An advanced study of the structure and function of the human body, with an emphasis on the cardiovascular, respiratory, renal and hepatic systems as well as the pathological conditions involving those systems.

Prereq.: NURS 8901.

NURS 8908 Advanced Health Assessment 3 s.h.

This course explores advanced health assessment utilizing an extensive health history and physical exam. The course focuses on developing refined health history taking, psychological assessment, and physical assessment skills across the lifespan. Emphasis is placed on detailed health history assessment, differentiation, interpretation, and documentation of normal and abnormal assessment findings.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8909 Advanced Pathophysiology 3 s.h.

Normal physiologic functions and pathologic mechanisms are examined to prepare nurses for advanced practice roles.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8910 Introduction to Clinical Anesthesia 1 s.h.

This course is an introduction to the professional role development and clinical anesthesia practice of the nurse anesthetist. It is designed to introduce the student to the basic aspects of the nurse anesthetist as an anesthesia provider. This introduction also includes orientation to the basic physical facility, equipment, fundamental pharmacology, anesthetic techniques, historical perspectives, and specialties in the field of anesthesia. Students will be introduced to the nurse anesthesia code of ethics, scope of practice, and standards of practice as set forth by the American Association of Nurse Anesthetists (AANA).

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8911 Clinical Practicum 2 1 s.h.

Nurse anesthesia students construct and execute an anesthesia care plan with clinical faculty supervision and collaboration. Students experience slightly more independent participation in actual administration of anesthesia while still under direct supervision by clinical faculty. Determine theoretical concepts and techniques and application in anesthetic management toward the achievement of the terminal objectives for competency in entry-level anesthesia practice. Semester course; 150 plus clocked clinical hours. One day per week. Graded S/U.

NURS 8912 Principles and Practice of Nurse Anesthesia 3 s.h.

This course is designed to introduce the student to concepts necessary to construct and recommend a safe and individualized anesthetic while distinguishing various ethical and multicultural issues. Covers formulation of the anesthesia care plan, anesthetic techniques, prevention of complications, fluid management, monitoring and utilization of anesthesia equipment. Provides guided practical experience associated with course concepts, including practice with and evaluation of task-specific skills in both simulated and actual operating room environments.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8913 Principles of Anesthesia 1 3 s.h.

Introduces the nurse anesthesia student to concepts necessary to formulate, execute, and revise a safe, individualized anesthetics. Covers formulation of the anesthesia care plan, anesthetic techniques, prevention of complications, fluid management, monitoring and utilization of anesthesia equipment. Provides guided practical experience associated with course concepts, including practice with and evaluation of task-specific skills in both simulated and actual operating room environments. Includes advanced respiratory and cardiovascular systems and anesthetic considerations and/or implications.
Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8914 Clinical Practicum 3 3 s.h.

Provides intensive experience in all clinical anesthesia areas. Represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasizes increased responsibility for the delivery of a comprehensive anesthetic regime along the educational/experiential continuum. 300 plus clocked hours. 3 full days per week in the operating room setting. Graded S/U.

Prereq.: NURS 8911.

NURS 8915 Principles of Anesthesia 2 3 s.h.

Introduces the nurse anesthesia student to concepts necessary to formulate, execute, and revise a safe, individualized anesthetics. Covers formulation of the anesthesia care plan, anesthetic techniques, prevention of complications, fluid management, monitoring and utilization of anesthesia equipment. Provides guided practical experience associated with course concepts, including practice with and evaluation of task-specific skills in both simulated and actual operating room environments. Includes advanced assessment of the autonomic nervous system and obese patients, while connecting anesthetic implications for both.

Prereq.: NURS 8913.

NURS 8916 Health Care Policy 3 s.h.

The primary focus of this course is to explore the leadership role of nurses in health policy development and implementation as well as the role of research in health care policy formation and planning. Special emphasis is placed on selected national and international health policy issues that form the socio-political and economic context of nursing care and practice. Ethical dimensions of public policy formulations and implementation are highlighted.

NURS 8917 Evidence Based Practice 1 3 s.h.

This course focuses on critically analyzing and evaluating research evidence. Evidence-based practice concepts will be used. Methods of generating evidence through research are discussed.

Prereq.: NURS 8902.

NURS 8918 Clinical Practicum 4 3 s.h.

Provides intensive experience in all clinical anesthesia areas. Represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasizes increased responsibility for the delivery of a comprehensive anesthetic regime along the educational/experiential continuum. Semester course; 300+ clocked clinical hours. Graded S/U.

Prereq.: NURS 8914.

NURS 8919 Principles of Anesthesia 3 3 s.h.

Nurse anesthesia students will successfully formulate, execute, and revise a safe, individualized anesthetics. They will recommend anesthetic techniques and determine methods to prevent anesthetic complications. Students will outline fluid administration, intraoperative monitoring and utilization of anesthesia equipment. Provides guided practical experience associated with course concepts, including practice with and evaluation of task-specific skills in both simulated and actual operating room environments. Illustrates advanced concepts of the neurological system, and fluid & blood administration.

Prereq.: NURS 89XX.

NURS 8920 Ultrasound and Radiology 2 s.h.

Nurse anesthesia students investigate the practice of ultrasound-guided, regional anesthesia while supporting the core concepts of ultrasound machine operation, needle guidance, and sonoanatomy. An in-depth breakdown of the essential strategies used to identify radiological and sonographic landmarks for locating and identifying target nerves and key anatomy structures is presented.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8921 Evidence Based Practice 2 3 s.h.

This course focuses on identifying and evaluating current literature in order to identify evidence-based clinical practice recommendations. Methods for translating evidence-based knowledge to inform nursing clinical practice will be used.

Prereq.: NURS 8917.

NURS 8922 Clinical Practicum 5 3 s.h.

Provides intensive experience in all clinical anesthesia areas. Represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasizes increased responsibility for the delivery of a comprehensive anesthetic regime along the educational/experiential continuum. Semester course; 300+ clocked clinical hours. Graded S/U.

Prereq.: NURS 8918.

NURS 8923 Principles of Anesthesia 4 3 s.h.

Provides intensive experience in all clinical anesthesia areas. Represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasizes increased responsibility for the delivery of a comprehensive anesthetic regime along the educational/experiential continuum. Semester course; 300+ clocked clinical hours. Graded S/U.

Prereq.: NURS 8919.

NURS 8924 Epidemiology 2 s.h.

Epidemiologic concepts of populations for understanding and using health research is the focus. Principles and methods of data analysis central to understanding health-related indicators for population health management will be used. Students will be prepared to function as members of a research team.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8925 Clinical Practicum 6 4 s.h.

Provides intensive experience in all clinical anesthesia areas. Represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasizes increased responsibility for the delivery of a comprehensive anesthetic regime along the educational/experiential continuum. Semester course; 450 clocked clinical hours. Graded S/U.

Prereq.: NURS 8922.

NURS 8926 Principles of Anesthesia 5 3 s.h.

Nurse anesthesia students will successfully formulate, execute, and revise a safe, individualized anesthetics. They will recommend anesthetic techniques and determine methods to prevent anesthetic complications. Students will outline fluid administration, intraoperative monitoring and utilization of anesthesia equipment. Provides guided practical experience associated with course concepts, including practice with and evaluation of task-specific skills in both simulated and actual operating room environments. Illustrates advanced concepts of patients from across the lifespan.

Prereq.: NURS 8923.

NURS 8927 DNP Scholarly Project 1 3 s.h.

Focuses on identification of relevant clinical issues in anesthesiology with attendant formulation of critically applicable questions and examination of the relevant research evidence that addresses those questions. Students implement and evaluate a terminal project and disseminate the results through an oral and/or poster presentation, manuscript submission to a peer-reviewed journal or another appropriate medium.

Prereq.: NURS 8921.

NURS 8928 Healthcare Finance and Practice Management 2 s.h.

This course explores the role and examines healthcare finance and economics from the perspective of the advanced practice nurse. Emphasis is given to analysis and synthesis of practice behaviors specific to the development of the advanced practice role. Financial management principles, the healthcare reimbursement system, reimbursement process, and factors influencing the financial environment are discussed.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8929 Clinical Practicum 7 4 s.h.

Provides intensive experience in all clinical anesthesia areas. Represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasizes increased responsibility and supervised autonomy for the delivery of a comprehensive anesthetic regime along the educational/experiential continuum. Semester course; 450 plus clocked clinical hours. Graded S/U.

NURS 8930 Ethics in Advanced Nursing Practice 2 s.h.

This course explores the philosophic basis and derived theories of ethics and their implications for advanced nursing practice. Using ethical principles, students will examine a variety of clinical, research and practice management dilemmas that arise in the provision of advanced practice nursing services to individuals, populations and communities. Cultural competence and transcultural nursing practices will also be explored.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8931 DNP Scholarly Project 2 3 s.h.

Focuses on identification of relevant clinical issues in anesthesiology with attendant formulation of critically applicable questions and examination of the relevant research evidence that addresses those questions. Students implement and evaluate a terminal project and disseminate the results through an oral and/or poster presentation, manuscript submission to a peer-reviewed journal or another appropriate medium.

Prereq.: NURS 8927.

NURS 8932 Teaching, Curriculum and Evaluation Seminar 1 s.h.

This course examines the principles of teaching and learning applicable to the anesthesia didactic and clinical environment. Strategies are presented in teacher/learner communication, presentation development and strategies, curriculum designs and methods of evaluation pertinent to nurse anesthesia education.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8933 Clinical Practicum 8 4 s.h.

Provides intensive experience in all clinical anesthesia areas. Represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasizes increased responsibility and supervised autonomy for the delivery of a comprehensive anesthetic regime along the educational/experiential continuum. Semester course; 450 plus clocked clinical hours. Graded S/U.

NURS 8934 Leadership and Collaboration for the DNP Nurse Anesthetist 2 s.h.

This course focuses on nursing leadership incorporating theory and research as it applies to the role of the Doctor of Nursing Practice in a variety of settings. The focus is developing advanced leadership and management skills, organizational effectiveness, power and influence skills, change management.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.

NURS 8935 Clinical Practicum 9 4 s.h.

Provides intensive experience in all clinical anesthesia areas. Represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasizes full responsibility for the delivery of a comprehensive anesthetic regime along the educational/experiential continuum with full supervision and guidance. Semester course; 450 plus clocked clinical hours. Graded S/U.

Prereq.: NURS 8933.

NURS 8936 Anesthesia Synthesis: Comprehensive Review 2 s.h.

This advanced course provides an opportunity for third-year doctoral anesthesia students to integrate the principle anesthesia concepts learned to date. Anesthesia Synthesis is not solely a traditional "board review". Instead, it includes the cerebral application of the concepts studied in previous courses. Graded S/U.

Prereq.: Acceptance and Enrollment in the DNP Nurse Anesthesia Program.