

# COLLEGE OF NURSING

**Web Site:** <http://www.twu.edu/nursing/>

**NURS 5003. Health Policy and Health Promotion.** Principles of health policy advocacy, health promotion, and disease prevention in individuals and communities as a foundation for nursing practice. Examination of ethical issues; policy processes; and influence of regulations, legislation, and public policy on various client populations. Three lecture hours a week. Credit: Three hours.

**NURS 5005. Adult/Gerontology Acute Care Nurse Practitioner I.** Diagnostic and management issues related to care of acutely ill adults across the life span. Health promotion, protection, disease prevention, and treatment. Exploration of pathophysiologic/psychosocial influences of acute illness and injury. Evidence-based practice approaches used to determine nursing, medical, and pharmacologic management. Prerequisites: NURS 5013, BIOL 5333, NURS 5644, and NURS 5663. Prerequisite or Co-requisites: NURS 5002 and NURS 5003. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5012. Foundational Concepts for the Adult-Gerontology Acute Care Nurse Practitioner.** Foundational concepts of safe and effective provision of care for the Adult/Gerontology Acute Care Nurse Practitioner. Prerequisites: BIOL 5333 and NURS 5013. Two lecture hours a week. Credit: Two hours.

**NURS 5013. Theoretical Foundations of Nursing Practice.** Examination, critique, and evaluation of theories that provide the basis for nursing practice; application and use of appropriate theories for nursing practice and research; cyclical nature of theory, research, and practice in health care. Three lecture hours a week. Credit: Three hours.

**NURS 5015. Adult/Gerontology Acute Care Nurse Practitioner II.** Diagnostic and management issues related to chronically ill young, middle, and older adults. Evidence-based interventions to determine nursing, medical, and pharmacological management of patients with chronic and co-morbid illnesses. Prerequisite: NURS 5005 and NURS 5024. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5021. Nursing Honors Capstone I.** Mentored development of detailed plan for research, service-learning, or study abroad honors capstone project proposal developed in NURS 3112. Project-specific objectives, timeline for completion, synthesis of literature, detailed plan for implementation and collaboration with other capstone students, and presentation of project progress. Prerequisite: NURS 3112. Credit: One hour.

**NURS 5024. Research and Quality Improvement in Nursing.** Application of research and quality improvement initiatives in clinical settings. Problem identification, examination of evidence, and development of strategies to incorporate research and quality-driven changes in practice. Critique and use of research design, statistical methods, and use of computer information systems. Prerequisite: Basic statistics course. Prerequisite or co-requisite: NURS 5013 or permission of instructor. Four lecture hours a week. Credit: Four hours.

**NURS 5025. Adult/Gerontology Acute Care Nurse Practitioner III.** Diagnostic and management issues of critically ill young, middle, and older adults. Emphasis on pathophysiologic and psychosocial influences of critically ill and injured adults. Evidence-based interventions used to determine nursing, medical, and pharmacological management. Prerequisite: NURS 5015. Two lecture hours a week and 135 clinical hours. Credit: Five hours.

**NURS 5043. Nurse Educator Role Synthesis Practicum.** Synthesis and application of theory to practice with a focus on mastery of educational and clinical specialty knowledge. Prerequisites: NURS 5114, NURS 5132, and NURS 5142. Co-requisites: NURS 5101 and NURS 5152. 180 practicum hours. Credit: Three hours.

**NURS 5055. Adult/Gerontology Acute Care Nurse Practitioner Clinical Practicum II.** Translation of foundational concepts and didactic content into the clinical setting as an AGACNP provider. Delivery of evidence-based and cost-effective health care services to the Adult/Gerontological Acute Care population. Prerequisites: NURS 5103 and NURS 5173. Co-requisite: NURS 5153. 300 clinical hours. Credit: Five hours.

**NURS 5063. Design, Management, and Evaluation of Curriculum in Nursing.** Curriculum process from development through evaluation at the institutional, course, and individual class levels in academic and clinical settings. Utilization of various models to assess learner achievement, educator performance, achievement of course objectives, and measurement of program outcomes supported by integration of core knowledge. Prerequisite: NURS 5213. Three lecture hours a week. Credit: Three hours.

**NURS 5065. Adult/Gerontology Acute Care Nurse Practitioner Clinical Practicum III.** Competent, comprehensive assessment and care management of adult/gerontology acute care population in the acute care setting. Delivery of evidence-based and cost-effective health care services while advancing competence and independence in the Advanced Practice Nursing role. Prerequisites: NURS 5055 and NURS 5153. Co-requisite: NURS 5163. 300 clinical hours. Credit: Five hours.

**NURS 5073. Evidence-Based Practice for the Promotion of Quality Outcomes.** Application of best evidence to clinical questions for advanced nursing practice. Emphasis on translation and implementation of evidence-based practice (EBP) to improve health and transform health care. Three lecture hours a week. Credit: Three hours.

**NURS 5083. Adult/Gerontology Acute Care Nurse Practitioner Preceptorship I.** Clinical practice course to implement the Adult/Gerontology Acute Care Nurse Practitioner role. Emphasis on synthesizing nursing and medical knowledge to maintain and promote health in well clients and families and to clinically manage clients and families with common acute and chronic illnesses. Prerequisite: NURS 5025. 135 clinical hours. Credit: Three hours.

**NURS 5093. Theoretical Foundations and the Advanced Nursing Role.** Advanced practice nursing roles and the development of moral agency essential to advanced practice. Emphasis on theoretical frameworks and concepts which provide the basis for leadership, specialization, and expansion of roles for advanced nursing practice. Three lecture hours a week. Prerequisite or Co-requisite: NURS 5073. Credit: Three hours.

**NURS 5095. Adult/Gerontology Acute Care Nurse Practitioner Preceptorship II.** Synthesis of knowledge and skills in health promotion and maintenance across the lifespan. Clinical management of clients and families with common acute and chronic illnesses. Demonstration of mastery of knowledge and skills through a clinical project. Prerequisite or Co-requisite: NURS 5083. 135 clinical hours. Credit: Five hours.

**NURS 5101. Nurse Educator Role Synthesis.** Integration, application, and synthesis of theory and competencies related to the role of nurse educator in a clinical area of expertise. Core knowledge base and skills needed for the corresponding practicum. Prerequisites: NURS 5114, NURS 5132, and NURS 5142. Co-requisites: NURS 5043 and NURS 5152. One lecture hour a week. Credit: One hour.

**NURS 5103. Adult/Gerontology Acute Care Nurse Practitioner Evaluation and Management of the Acutely Ill: I.** Systematic knowledge development in care management of acutely ill patient populations ages 13 and older. Safe and competent implementation of the Advanced Practice Nurse role. Prerequisites: NURS 5133, NURS 5193, NURS 5643, and NURS 5663. Co-requisite: NURS 5173. Three lecture hours a week. Credit: Three hours.

**NURS 5112. Current Trends in Nursing Education.** Current trends and issues influencing nursing education. Strategies for utilizing trend information to impact nursing education. Prerequisite: NURS 5213. Prerequisite or Co-requisite: NURS 5063. Two lecture hours a week. Credit: Two hours.

**NURS 5114. Measurement and Assessment in Nursing.** Measurement and assessment of learning as an integral part of the educational process. Selection and preparation of a variety of methodologies to assess and measure learning including the integration of NCLEX and other relevant metrics. Prerequisite: NURS 5063. Four lecture hours a week. Credit: Four hours.

**NURS 5123. Introduction to Applied Health Informatics.** Overview and application for the field of health informatics using approaches such as human-technology interface, data analytics, and mobile/remote patient management. Health care delivery-based integration of design, configuration, usability, analysis, and maintenance of technology interventions resulting in development of information technology-based skills that improve patient care delivery. Prerequisites: CSCI 5103 and CSCI 5203. Three lecture hours a week. Credit: Three hours.

**NURS 5132. Nurse Educator Specialization.** Integration of theory and best practices to design educational plans and programs of nursing care in a focused area of clinical specialization while developing the role of the nurse educator. Prerequisite: NURS 5063. Prerequisite or Co-requisite: NURS 5114. Co-requisite: NURS 5142. Two lecture hours a week. Credit: Two hours.

**NURS 5133. Health Policy and Health Care Delivery for Advanced Nursing Practice.** Overview of the health care system in America. Social, historical, economic, political, and global influences on health care policy. Financial, legal, and ethical issues related to policy. Impact of policy on the delivery of health care by the advanced practice nurse. Three lecture hours a week. Credit: Three hours.

**NURS 5142. Nurse Educator Specialization Practicum.** Development of expertise in a focused area of clinical specialization for application to the nurse educator role. Prerequisite: NURS 5063. Prerequisite or Co-requisite: NURS 5114. Co-requisite: NURS 5132. 120 practicum hours. Credit: Two hours.

**NURS 5143. Application of Technology Enhanced Health Promotion.** Interactive selection and application of current technological advances and software for health promotion and self-management of well-served and under-served populations across disciplines. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

**NURS 5152. Scholarship of Nursing Education: Integration and Application.** Models of integration of the scholarship of nursing education into the role of the nurse educator while applying clinical expertise. Prerequisites: NURS 5114, NURS 5132, and NURS 5142. Co-requisites: NURS 5043 and NURS 5101. Two lecture hours a week. Credit: Two hours.

**NURS 5153. Adult/Gerontology Acute Care Nurse Practitioner Evaluation and Management of the Acutely Ill: II.** Preparation for implementing the role of Advanced Practice Nurse building upon systematic knowledge and care management of acutely ill patient populations from previous course work. Focus on the acutely ill patient with higher levels of needs. Prerequisites: NURS 5103 and NURS 5173. Co-requisite: NURS 5055. Three lecture hours a week. Credit: Three hours.

**NURS 5163. Synthesis and Transition to Professional Practice for the Adult/Gerontology Acute Care Nurse Practitioner.** Synthesis of prior knowledge and integration of self-directed learning strategies to prepare for transition to independent practice as an Adult/Gerontological Acute Care Nurse Practitioner. Emphasis on utilization of complex critical thinking, management skills, and increased competency in care of the adult/gerontological acute care population. Prerequisites: NURS 5055 and NURS 5153. Co-requisite: NURS 5065. Three lecture hours a week. Credit: Three hours.

**NURS 5173. Adult/Gerontology Acute Care Nurse Practitioner Clinical Practicum I.** Translation of foundational concepts and didactic content into the clinical setting as an AGACNP provider. Management strategies and delivery of high quality care to the Adult/Gerontology Acute Care population and their families. Prerequisites: NURS 5012 and NURS 5193. Co-requisite: NURS 5103. 180 clinical hours. Credit: Three hours.

**NURS 5183. Psychiatric Mental Health Nurse Practitioner Program Synthesis.** Synthesis of knowledge, critical reasoning, and application to practice gained through core and specialty PMHNP program content in preparation for national certification examination. Legal and practical aspects of transition to practice. Cultural and age-related implications across the lifespan. Completion of Professional Critique project. Prerequisite: NURS 5953. Three lecture hours a week. Credit: Three hours.

**NURS 5193. Principles of Management, Diagnostics, and Procedural Interventions for Acute Care Nurse Practitioners.** Preparation of the AGACNP student for transition to the clinical setting through the acquisition of the knowledge and skills necessary to safely diagnose and manage the acutely ill adult/gerontology population. Prerequisites: NURS 5012, NURS 5093, and NURS 5663. Co-requisite: NURS 5643. Three lecture hours a week including a 15-hour laboratory intensive. Credit: Three credit hours.

**NURS 5203. Theoretical Bases for Nursing Education.** Overview of education and theories of teaching and learning related to nursing education and practice. Focus is on general categories of cognitive and behavioral theories. Selection of appropriate teaching/learning theories to address the learning needs of culturally diverse groups and individuals. Three lecture hours a week. Credit: Three hours.

**NURS 5205. Advanced Therapeutic Relationships.** Clinical practicum with Psychiatric Clinical Supervision. Development and maintenance of relationships with patients and members of the health care team. Incorporation of psychotherapeutic and pharmacotherapeutic interventions in the clinical setting. Integration of cultural and age-related implications across the lifespan. Application of Medication-Assisted Treatment and Group Therapy skills. Prerequisite: NURS 5933. 300 clinical hours. Credit: Five hours.

**NURS 5213. Educational Theory, Communication, and Learning Technologies.** Theories of teaching and learning and instructional design for nursing education. Selection, use, and evaluation of approaches to learning that best utilize technology as a powerful tool. Integration of communication techniques and technology into curriculum and instruction in various organizational settings. Prerequisites: NURS 5093 and NURS 5663. Prerequisites or Co-requisites: NURS 5133 and NURS 5643. Three lecture hours a week. Credit: Three hours.

**NURS 5223. Principles of Pediatric Care Management, Diagnostics, and Common Procedural Interventions.** Assessment and application of techniques, diagnostic reasoning, and skill development for the Primary Care Pediatric Nurse Practitioner. Prerequisites: BIOL 5333 and NURS 5663. Co-requisite: NURS 5643. Two lecture and two laboratory hours a week. Credit: Three hours.

**NURS 5225. Holistic Psychiatric Care.** Clinical practicum with Psychiatric Clinical Supervision. Holistic care as preparation for independent practice. Integration of clinical assessment, diagnosis, intervention, and evaluation of care in varied clinical settings. Financial and legal aspects of providing psychiatric care. Cultural and age-related implications across the lifespan. Prerequisite: NURS 5205. 300 clinical hours. Credit: Five hours.

**NURS 5293. Teaching Practicum in Nursing.** Application of the nurse's role as teacher in educational setting of choice: academia, staff development, or patient education. Focus on integration of theory and practice of education role with socialization in to the role of nurse educator. Prerequisites: NURS 5103 and NURS 5203. Prerequisite or co-requisites: NURS 5253 and NURS 5263. Nine practicum hours a week. Credit: Three hours.

**NURS 5302. Foundational Concepts for the Pediatric Primary Care Nurse Practitioner.** Foundational concepts for the advanced practice nursing role of Pediatric Primary Care Nurse Practitioner. Prerequisites: BIOL 5333 and NURS 5073. Two lecture hours a week. Credit: Two hours.

**NURS 5303. Primary Care Management of Common Acute Illnesses across the Lifespan.** Acute illnesses seen in the primary care setting. Critical thinking, diagnostic reasoning, and integration of evidence for patient management. Treatment of acute illness across the lifespan. Prerequisites: NURS 5602 and NURS 5603. Co-requisite: NURS 5493. Three lecture hours a week. Credit: Three hours.

**NURS 5305. Child Health Nursing II.** Focuses on the clinical management of common acute illnesses experienced by children and adolescents; physical and behavioral problems are discussed. Theories related to culture and health beliefs are incorporated. Prerequisite: NURS 5325. Prerequisite or co-requisites: NURS 5024. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5315. Child Health Nursing III.** Emphasizes theories related to chronic illness and coping in children and adolescents. Physiological, behavioral, and family theories are applied to management of chronic illness. Clinical knowledge and skills are applied in hospital and community settings. Prerequisite: NURS 5305. Two lecture hours a week and 135 clinical hours. Credit: Five hours.

**NURS 5323. Primary Care Management of the Adolescent, Adult, and Older Adult.** Systematic knowledge and care management practices for delivery of safe and effective care to patient populations ages 13 and older. Prerequisite: NURS 5503. Co-requisite: NURS 5523. Three lecture hours a week. Credit: Three hours.

**NURS 5325. Child Health Nursing I.** Provides the foundation for assessment and intervention with well children and their families. Integrates concepts of growth and development and common health problems experienced by children from birth through adolescence. Emphasizes developmental screening tests and anticipatory guidance. Prerequisites: NURS 5013, BIOL 5333, and NURS 5644. Prerequisite or co-requisites: NURS 5002, NURS 5003, and NURS 5663. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5343. Well Child Concepts in Pediatric Primary Care.** Provision of safe and effective primary healthcare to pediatric patients with a focus on wellness and disease prevention. Prerequisites: NURS 5223 and NURS 5643. Co-requisite: NURS 5353. Three lecture hours a week. Credit: Three hours.

**NURS 5353. PNP Practicum I: Management of the Well Child.** Application of knowledge in providing safe and effective primary healthcare to the pediatric patient with an emphasis on health promotion and disease prevention. Prerequisites: NURS 5223 and NURS 5302. Co-requisite: NURS 5343. 180 practicum hours. Credit: Three hours.

**NURS 5363. Acute and Chronic Illness in Pediatric Primary Care.** Concepts related to provision of safe and effective care of pediatric patients with a focus on non-emergent acute and chronic health conditions. Prerequisites: NURS 5343 and NURS 5353. Co-requisite: NURS 5365. Three lecture hours a week. Credit: Three hours.

**NURS 5365. PNP Practicum II: Non-emergent Acute and Chronic Child Care and Management.** Integration of knowledge in providing safe and effective primary healthcare to pediatric patients with a focus on non-emergent acute and chronic conditions. Prerequisites: NURS 5343 and NURS 5353. Co-requisite: NURS 5363. 300 practicum hours. Credit: Five hours.

**NURS 5373. Advanced Applied Health Informatics.** Critical analysis of complex health informatics industry components such as economics, ethics, information management, electronic health records, telemedicine and patient portals. Promotion of information technology-based skills to improve health care delivery. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

**NURS 5383. Pediatric Nurse Practitioner Preceptorship I.** Clinical practice course to implement the Pediatric Nurse Practitioner role. Emphasis on synthesizing nursing and medical knowledge to maintain and promote health in well clients and families and to clinically manage clients and families with common acute and chronic illnesses. Prerequisite: NURS 5315. 135 clinical hours. Credit: Three hours.

**NURS 5393. Application of Telehealth and Remote Monitoring.** Telehealth and remote monitoring for post-acute care service delivery in an interprofessional education competency framework aimed at healthcare improvement for well-served and under-served populations. Skill development for telemedicine cart use. Focus on roles of the advanced practice nurse and other health care professionals in telehealth. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

**NURS 5395. Pediatric Nurse Practitioner Preceptorship II.** Synthesis of knowledge and skills in health promotion and maintenance across the lifespan. Clinical management of clients and families with common acute and chronic illnesses. Demonstration of mastery of knowledge and skills through a clinical project. Prerequisite or Co-requisite: NURS 5383. 135 clinical hours. Credit: Five hours.

**NURS 5401. Primary Care in Women's Health and Gender-related Advanced Practice Nursing.** Problem-solving approach to the management and treatment of the most common primary care issues impacting women and gender-diverse individuals. Integration of health promotion and health maintenance concepts that aid in the development of advanced management and treatment of acute episodic illness and stable chronic disease. Prerequisites: NURS 5412 and NURS 5643. One lecture hour a week. Credit: One hour.

**NURS 5402. WHNP Role in Managing Healthcare Disparities in Women's Health.** Social determinants of population health with local, state, national, and global foci on women's health and gender-diverse populations. Innovative strategies to address health inequities and reduce disparities. Prerequisites: BIOL 5333 and NURS 5073. Two lecture hours a week. Credit: Two hours.

**NURS 5403. Synthesis and Transition to Professional Practice for the Pediatric Primary Care Nurse Practitioner.** Synthesis of knowledge and theoretical concepts related to optimization of healthcare outcomes and the management of care for primary care pediatric patients. Prerequisites: NURS 5363 and NURS 5365. Co-requisite: NURS 5585. Three lecture hours a week. Credit: Three hours.

**NURS 5405. Women's Health Nursing II.** Emphasizes the collaborative management of reproductive health of non-childbearing adolescents and women utilizing current theory, research, and clinical practice findings. Examines developmental dynamics and family structure throughout the life span in relation to women's health. Incorporates appropriate treatment modalities, pharmacologic interventions, and referral criteria for gynecological problems in advanced nursing practice. Prerequisite: NURS 5425. Prerequisite or co-requisite: NURS 5024. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5412. Principles of Women and Gender-Related Care Management: Diagnostics and Common Procedural Interventions.** Advanced skills for transition to the clinical setting for managing the care of women and gender-diverse individuals across the lifespan by building upon foundations of diagnostic reasoning. Prerequisite: NURS 5643. Two lecture hours a week including a 15 hours laboratory intensive which may require travel within Texas. Credit: Two hours.

**NURS 5415. Women's Health Nursing III.** Emphasizes the collaborative clinical management of non-reproductive health care needs of women throughout the life span utilizing current theory, research, and clinical practice findings. Class focuses on diagnosis and advanced nursing management of problems relevant to adult and older women with acute and/or chronic diseases. Clinical practice includes treatment modalities, pharmacologic interventions, and referral for reproductive and non-reproductive problems. Prerequisite: NURS 5405. Two lecture hours a week and 135 clinical hours. Credit: Five hours.

**NURS 5423. Women's Health - Gender-related Advanced Practice Nursing I.** Introduction to the range of health issues unique to women and gender-diverse individuals with a focus on obstetrics and gynecology. Acquisition of systematic knowledge for health assessment and maintenance of wellness with a focus on normal gynecologic issues and care of the childbearing, low-risk pregnancy family. Prerequisites: NURS 5402, NURS 5412, and NURS 5643. Co-requisite: NURS 5463. Three lecture hours a week. Credit: Three hours.

**NURS 5425. Women's Health Nursing I.** Emphasizes the collaborative management of the reproductive health of women utilizing current theory, research, and clinical practice findings. Examines developmental dynamics and family structure throughout the lifespan in relation to childbearing. Incorporates appropriate treatment modalities, pharmacologic interventions, and referral criteria for advanced nursing practice. Prerequisites: NURS 5013, BIOL 5333, and NURS 5644. Prerequisites or co-requisites: NURS 5002, NURS 5003, and NURS 5663. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5443. Women's Health - Gender-related Advanced Practice Nursing II.** Examination and evaluation of deviations from normal gynecologic function and low-risk pregnancy. Analysis and application of evidence to promote health, advocate for social justice, and examine interventions to reduce healthcare disparities in managing common reproductive and sexual health issues encountered by a diverse population of women. Prerequisite: NURS 5423. Co-requisite: NURS 5465. Three lecture hours a week. Credit: Three hours.

**NURS 5453. User Interface Design in Healthcare.** Human-computer user-centered interaction design and application to health information systems, medical devices, consumer health websites, and other healthcare-related systems. Fundamental principles of user-centered design, usability, and human-computer interaction. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

**NURS 5463. WHNP Clinical Practice I.** Management strategies and delivery of high-quality care services to women and gender-diverse populations. Prerequisites: NURS 5402, NURS 5412, and NURS 5643. Co-requisite: NURS 5403. 180 clinical hours. Credit: Three hours.

**NURS 5465. WHNP Clinical Practice II.** Application of foundational concepts and didactic content within the clinical setting to further advance the transition of the WHNP student to the role of provider in primary care, obstetric, and gynecological care settings. Prerequisites: NURS 5403 and NURS 5463. Co-requisite: NURS 5443. 300 clinical hours. Credit: Five hours.

**NURS 5473. Women's Health - Gender-related Advanced Practice Nursing Synthesis and Transition to Professional Practice.** Synthesis of in-depth knowledge and theoretical concepts related to health management of women and gender-diverse individuals. Utilization of complex models and systems of practice to deliver high-quality, evidence-based care to women and gender-diverse individuals. Emphasis on critical analysis of evidence for applications that optimize health outcomes. Prerequisites: NURS 5443 and NURS 5465. Co-requisite: NURS 5475. Three lecture hours a week. Credit: Three hours.

**NURS 5475. WHNP Clinical Practice III.** Competent, comprehensive assessment and care management of women and gender-diverse populations in the clinical setting. Emphasis on advancing competence and independence in the Advanced Practice Nursing role. Prerequisites: NURS 5443 and NURS 5465. Co-requisite: NURS 5473. 300 clinical hours. Credit: Five hours.

**NURS 5483. Women's Health Nurse Practitioner Preceptorship I.** Clinical practice course to implement the Women's Health Nurse Practitioner role. Emphasis on synthesizing nursing and medical knowledge to maintain and promote health in well clients and families and to clinically manage clients and families with common acute and chronic illnesses. Prerequisite: NURS 5415. 135 clinical hours. Credit: Three hours.

**NURS 5493. Primary Care Disease and Restorative Health Practicum I.** Application of management strategies while building core competencies in the clinical setting. Focus on delivery of quality, cost-effective care across the lifespan. Prerequisites: NURS 5603, NURS 5602, and NURS 5643. Co-requisite: NURS 5303. 180 clinical hours. Credit: Three hours.

**NURS 5495. Women's Health Nurse Practitioner Preceptorship II.** Synthesis of knowledge and skills in health promotion and maintenance across the lifespan. Clinical management of clients and families with common acute and chronic illnesses. Demonstration of mastery of knowledge and skills through a clinical project. Prerequisite or Co-requisite: NURS 5483. 135 clinical hours. Credit: Five hours.

**NURS 5502. Foundational Concepts for the Adult-Gerontology Primary Care Nurse Practitioner.** Adult and gerontological foundational concepts for advanced practice nurses. Preparation of the nurse practitioner to deliver safe, quality care to diverse populations ages 13 and older. Focus on the constructs of health promotion and risk mitigation. Prerequisites: BIOL 5333 and NURS 5073. Two lecture hours a week. Credit: Two hours.

**NURS 5503. Principles of Adult and Geriatric Care Management, Diagnostics and Common Procedural Interventions.** Unique care management considerations for adult and geriatric populations when implementing the nurse practitioner role. Prerequisite: NURS 5663. Co-requisite: NURS 5502 and NURS 5643. Three lecture hours a week including a 15 hours laboratory intensive. Credit: Three hours.

**NURS 5505. Adult/Gerontology Nursing II.** Management of commonly encountered health deviations in young, middle, and older adult populations; protocols for treatment decisions, referrals, and follow-up and patient/family teaching relative to management of health problems and concerns. Prerequisite: NURS 5525. Co-requisite: NURS 5024. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5515. Adult/Gerontology Nursing III.** Application of advanced nursing practice skills using collaborative management of primary, secondary, and tertiary health care needs of adults. Emphasizes health needs of geriatric clients and emergency care. Synthesis and evaluation of theoretical concepts, research findings, and clinical protocols. Prerequisite: NURS 5505. Two lecture hours a week and 135 clinical hours. Credit: Five hours.

**NURS 5523. AGPCNP Clinical Practicum I: Introduction to Adult Primary Care.** Application of foundational knowledge in the delivery of effective, competent, quality care to adult-gerontology primary care clients. Prerequisite: NURS 5503. Co-requisite: NURS 5323. 180 clinical hours. Credit: Three hours.

**NURS 5525. Adult/Gerontology Nursing I.** Health promotion and maintenance for young, middle, and older adults incorporating theory and research-based interventions and management using critical thinking and diagnostic reasoning; consideration of families when assessing health status; delivery of health care in a variety of settings. Prerequisites: NURS 5013, BIOL 5333, NURS 5644, and NURS 5663. Prerequisites or Co-requisites: NURS 5002 and NURS 5003. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5543. Outcomes Assessment Practicum.** Assessment of the structural, process, and summative outcomes of healthcare organizations. Emphasis on the decision making and planned change process used by the nurse administrator in responding to legal, ethical, and economic issues which drive changes in processes and impact outcomes in health care facilities. The clinical practicum will be one of four healthcare environments: acute care, ambulatory, long-term care, or community/home health care. Prerequisites/HCA minor: NURS 5013, NURS 5024, NURS 5003, HCA 5223, and HCA 5493. Prerequisites/BUS minor: NURS 5013, NURS 5024, NURS 5003, MGT 5263, MGT 5273, and MGT 5963. One lecture and six clinical hours a week. Credit: Three hours.

**NURS 5544. Organizational Assessment Practicum.** Focus is on the exploration of the nurse administrator's role in complex health care settings. Emphasis is on the assessment of the health care organization and the integration of management, business, and nursing concepts as they relate to the delivery of nursing care. The clinical practicum will be one of four healthcare environments: acute care, ambulatory, long-term care, or community/home health care. Prerequisites/HCA minor: NURS 5003, NURS 5013, NURS 5024, and HCA 5223. Prerequisites/BUS minor: NURS 5013, NURS 5024, NURS 5003, MGT 5263, and MGT 5273. Two lecture and six clinical hours a week. Credit: Four hours.

**NURS 5553. Fiscal Assessment Practicum.** Emphasis is on the financial management of health care institutions and its impact on the nursing unit, impact of regulatory agencies, and the development of budgets and RFPs. The clinical practicum will be one of four healthcare environments: acute care, ambulatory, long-term care, or community/home health care. Prerequisites/HCA minor: NURS 5013, NURS 5023, NURS 5003, HCA 5223, HCA 5533, and HCA 5623. Prerequisites/BUS minor: NURS 5013, NURS 5024, NURS 5003, MGT 5263, ACCT 5433, and MGT 5273. One lecture and six clinical hours a week. Credit: Three hours.

**NURS 5554. Health Systems Management Challenges and Opportunities.** Current issues in nursing practice related to future trends in health care delivery and financial reimbursement. Emphasis is on development of a proposal and project to solve an administrative issue to demonstrate mastery of program content. Prerequisites: NURS 5543, NURS 5544, and NURS 5553. Four lecture hours a week. Credit: Four hours.

**NURS 5563. Acute and Chronic Disease Management of the Adult and Older Adult.** Development of knowledge base, critical thinking skills, and diagnostic reasoning in the evaluation and management of care of the adult and geriatric populations. Prerequisites: NURS 5323 and NURS 5523. Co-requisite: NURS 5565. Three lecture hours a week. Credit: Three hours.

**NURS 5565. AGPCNP Clinical Practicum II: Acute and Chronic Disease Management.** Application of foundational concepts and didactic content within the clinical setting to further advance the transition of the AGPCNP student to the role of provider. Prerequisites: NURS 5323 and NURS 5523. Co-requisite: NURS 5563. 300 clinical hours. Credit: Five hours.

**NURS 5573. Synthesis and Transition to Professional Practice for the Adult-Gerontology Primary Care Nurse Practitioner.** Synthesis of knowledge and theoretical concepts related to optimization of healthcare outcomes and the management of care for adult-gerontology primary care patients. Critical analysis of determinants of health related to care management. Prerequisites: NURS 5563 and NURS 5565. Co-requisite: NURS 5575. Three lecture hours a week. Credit: Three hours.

**NURS 5575. AGPCNP Clinical Practicum III: Advanced Care Management.** Demonstration of competent, comprehensive assessment and care management of adult-gerontology primary care patients in the clinical setting. Prerequisites: NURS 5563 and NURS 5565. Co-requisite: NURS 5573. 300 clinical hours. Credit: Five hours.

**NURS 5583. Adult/Gerontology Nurse Practitioner Preceptorship I.** Clinical practice course to implement the Adult/Gerontology Nurse Practitioner role. Emphasis on synthesizing nursing and medical knowledge to maintain and promote health in well clients and families and to clinically manage clients and families with common acute and chronic illnesses. Prerequisite: NURS 5515. 135 clinical hours. Credit: Three hours.

**NURS 5585. Advanced Pediatric Primary Care Synthesis Practicum III.** Comprehensive care management of the pediatric patient utilizing synthesized knowledge in the clinical role of Pediatric Primary Care Nurse Practitioner. Emphasis on person-centered, team-based care. Prerequisites: NURS 5363 and NURS 5365. Co-requisite: NURS 5403. 300 practicum hours. Credit: Five hours.

**NURS 5593. Data Applications for Foundational Health Promotion.** Exploration of publicly available and proprietary healthcare resource data sites; examination of the incorporation of healthcare data applications into practice. Emphasis on data management, utilization of healthcare data, and trend analysis for health promotion enhancement. Prerequisite: NURS 5123. Three lecture hours a week. Credit: Three hours.

**NURS 5595. Adult/Gerontology Nurse Practitioner Preceptorship II.**

Synthesis of knowledge and skills in health promotion and maintenance across the lifespan. Clinical management of clients and families with common acute and chronic illnesses. Demonstration of mastery of knowledge and skills through a clinical project. Prerequisite or Co-requisite: NURS 5583. 135 clinical hours. Credit: Five hours.

**NURS 5602. Foundational Concepts for the Family Nurse Practitioner.**

Foundational Concepts for entry into primary care. Focus on health promotion and disease prevention in diverse populations. Emphasis on preventative strategies, screening, immunization standards, self-care, and utilization of evidence-based practice guidelines. Prerequisites: BIOL 5333 NURS 5663. Co-requisite: NURS 5093. Two lecture hours a week. Credit: Two hours.

**NURS 5603. Principles of Care Management, Diagnostics, and Common Procedural Interventions in Primary Care.**

Development and expansion of foundational knowledge including differential diagnosis, diagnostics, and lab interpretation. Focus on cost-effective healthcare delivery, prescriptive authority, and common procedural skills in primary care. Prerequisites: NURS 5602 and NURS 5663. Prerequisites or Co-requisites: NURS 5093 and NURS 5643. Three lecture hours a week including a 15 hours laboratory intensive. Credit: Three hours.

**NURS 5605. Family Health Nursing II.** Delivery of primary health care services to culturally diverse and medically underserved families across the life span, emphasizing health promotion and health maintenance. Emphasizes common acute/chronic problems. Utilizes role concepts and theories. Prerequisite: NURS 5625. Prerequisite or co-requisite: NURS 5024. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5615. Family Health Nursing III.** Synthesizes concepts from theory based family-centered nursing, pathophysiology, assessment, pharmacotherapeutics, and role practice for the management of culturally diverse and medically underserved families from across the life span. Focuses on health promotion and health maintenance in primary health care settings. Prerequisite: NURS 5605. Two lecture hours a week and 135 clinical hours. Credit: Five hours.

**NURS 5625. Family Health Nursing I.** Family theory based nursing practice in the assessment and management of health needs across the life span. Emphasizes wellness and primary prevention for culturally diverse and medically underserved families. Integrates knowledge of growth and development. Promotes critical thinking and diagnostic reasoning skills in clinical decision making. Prerequisites: NURS 5013, BIOL 5333, and NURS 5644. Prerequisites or co-requisites: NURS 5002, NURS 5003, and NURS 5663. Three lecture hours a week and 90 clinical hours. Credit: Five hours.

**NURS 5643. Advanced Health Assessment for Advanced Nursing Practice.**

Clinical principles for assessment in advanced nursing practice. Emphasis on physical, psychosocial, cultural, and other relevant data to provide the foundation for determining health diagnoses of individuals throughout the lifespan. Prerequisite or co-requisite: BIOL 5333. Three lecture hours a week. Credit: Three hours.

**NURS 5663. Pharmacology for Advanced Nursing Practice.**

Pharmacokinetics, pharmacodynamics, drug metabolism, dose-response relationships, and other associated pharmacologic principles foundational to advanced nursing practice. Prerequisite: BIOL 5333. Three lecture hours a week. Credit: Three hours.

**NURS 5665. Chronic Disease and Restorative Health Practicum II.** Clinical application of care management plans by the Family Nurse Practitioner. Focus on delivery of health care to patients with chronic disease and on restorative health. Prerequisites: NURS 5303 and NURS 5493. Co-requisite: NURS 5893. 300 clinical hours. Credit: Five hours.

**NURS 5683. Family Nurse Practitioner Preceptorship I.** Clinical practice course to implement the Family Nurse Practitioner role. Emphasis on synthesizing nursing and medical knowledge to maintain and promote health in well clients and families and to clinically manage clients and families with common acute and chronic illnesses. Prerequisite: NURS 5615. 135 clinical hours. Credit: Three hours.

**NURS 5695. Family Nurse Practitioner Preceptorship II.** Synthesis of knowledge and skills in health promotion and maintenance across the lifespan. Clinical management of clients and families with common acute and chronic illnesses. Demonstration of mastery of knowledge and skills through a clinical project. Prerequisite or Co-requisite: NURS 5683. 135 clinical hours. Credit: Five hours.

**NURS 5703. Synthesis and Transition to Professional Practice for the Family Nurse Practitioner.** Synthesis and evaluation of cumulative evidence-based knowledge necessary for management of patients across the lifespan. Emphasis on safe, quality, competent care. Preparation for the Nurse Practitioner exam. Prerequisites: NURS 5665 and NURS 5893. Co-requisite: NURS 5705. Three lecture hours a week. Credit: Three hours.

**NURS 5705. Primary Care Disease Management across the Lifespan Practicum III.** Application of culminating concepts and knowledge to advance transition to the role of entry-level Family Nurse Practitioner. Focus on cost-effective, holistic, person-centered care across the lifespan. Prerequisite: NURS 5665 and NURS 5893. Co-requisite: NURS 5703. 300 clinical hours. Credit: Five hours.

**NURS 5893. Chronic Disease and Restorative Health Management across the Lifespan.** Evidence-based strategies for diagnosis and treatment of chronic illness across the lifespan. Emphasis on critical thinking and time management for person-centered, compassionate care. Prerequisites: NURS 5303 and NURS 5493. Co-requisites: NURS 5665. Three lecture hours a week. Credit: Three hours.

**NURS 5901. Special Topics.** Systematic study of a designated topic in advanced nursing. Credit: One hour.

**NURS 5902. Special Topics.** Systematic study of a designated topic in advanced nursing. Credit: Two hours.

**NURS 5903. Special Topics.** Systematic study of a designated topic in advanced nursing. Three lecture hours a week. Credit: Three hours.

**NURS 5904. Special Topics.** Systematic study of a designated topic in advanced nursing. Credit: Four hours.

**NURS 5905. Special Topics.** Systematic study of a designated topic in advanced nursing. Credit: Four hours.

**NURS 5911. Independent Study.** Individual study of a selected problem in nursing. May be repeated for credit. Prerequisite: Permission of instructor. Credit: One hour.

**NURS 5912. Advanced Psychiatric Diagnostics.** In-depth examination of the diagnostic criteria for mental health disorders, including prevalence and special populations. Principles of psychiatric-specific differential diagnosis. Integration of cultural and age-related implications across the lifespan. Two seminar hours a week. Credit: Two hours.

**NURS 5913. Independent Study.** Individual study of a selected problem in nursing. May be repeated for credit. Prerequisite: Permission of instructor. Credit: Three hours.

**NURS 5922. Advanced Psychiatric Interviewing and Assessment.**

Exploration of the psychiatric interview incorporating diagnostic and symptom-specific interview techniques for psychiatric practitioners. In-depth psychiatric safety assessment. Integration of cultural and age-related implications across the lifespan. Format for a complete psychiatric intake assessment. Prerequisite: NURS 5912. Two seminar hours a week. Credit: Two hours.

**NURS 5923. Capstone in Informatics.** Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a specific domain to demonstrate knowledge and skills acquired in the informatics program. Immersive, investigative, and reflective opportunity for deep study on a selected area of practice/application domain. Prerequisite: Completion of 24 semester credit hours. Credit: Three hours.

**NURS 5932. Psychopharmacology for the Advanced Practice Nurse.**

In-depth review of psychotropic medications with emphasis on pathophysiology, safety concerns, side effects, and clinical implications. Integration of cultural and age-related implications across the lifespan. Prerequisite: NURS 5663. Two seminar hours a week. Credit: Two hours.

**NURS 5933. Establishing Therapeutic Relationships.** Clinical practicum under Psychiatric Clinical Supervision with emphasis on establishing therapeutic relationships. Incorporation of assessment, diagnostic, and novice-level interventions in the clinical setting. Integration of cultural and age-related implications across the lifespan. Application of Assertiveness Training and Motivational Interviewing skills. Prerequisites: NURS 5643 and NURS 5932. 180 clinical hours. Credit: Three hours.

**NURS 5943. Interprofessional Informatics Project.** Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology, and applied to a selected course-specific domain for demonstrating knowledge and skills acquired in the Interprofessional Informatics certificate program; focus on improvement of health care delivery and quality outcomes. Prerequisite: Take three from NURS 5143, NURS 5393, NURS 5453, NURS 5393, and NURS 5593. Three seminar hours a week. Credit: Three hours.

**NURS 5952. Psychotherapeutic Interventions.** Theoretical approaches to psychotherapy. Focus on mental healthcare disparities. Development of therapeutic skills through Motivational Interviewing and Assertiveness Training. Emphasis on educating patients, families, and other healthcare professionals. Integration of cultural and age-related implications across the lifespan. Prerequisite: NURS 5932. Two seminar hours a week. Credit: Two hours.

**NURS 5953. Advanced Psychotherapeutic Interventions.** Development of advanced psychotherapeutic interventions through medication-assisted treatment and group therapy training. Integration of pharmacologic and psychotherapeutic interventions. Consideration of cultural and age-related implications across the lifespan. Critique of the profession to explore advanced understanding of psychotherapeutic interventions. Prerequisite: NURS 5952. Three seminar hours a week. Credit: Three hours.

**NURS 5963. Professional Project.** Synthesis and application of information gained in the master's program through an individually-identified professional project. Integrates knowledge and skills, analytical and critical thinking skills, and writing and presentation skills. Prerequisites: NURS 5023 and completion of the first clinical course in the sequence. Credit: Three hours.

**NURS 5983. Thesis.** Credit: Three hours.

**NURS 5993. Thesis.** Prerequisite: NURS 5983. Credit: Three hours.

**NURS 6003. Grant Writing.** Comprehensive introduction to the components of a grant. Basic steps for skill development in preparation, design, and evaluation are included. Three lecture hours a week. Credit: Three hours.

**NURS 6023. Philosophy of Nursing Science.** Overview of concepts related to philosophy, philosophy of science, and philosophy of nursing. Includes exploration and analysis of major philosophers, comparison of Eastern and Western philosophy, and the contribution of these philosophies to the origin and development of nursing philosophy and science. Three lecture hours a week. Credit: Three hours.

**NURS 6033. Ethical Dimensions of Nursing.** Examines ethical issues in contemporary nursing practice from the perspective of nursing as a moral enterprise. Focuses on nurses making informed and responsible choices that shape the future of society as well as the nursing profession. Traditional and contemporary ethical positions will be explored as they apply to common ethical and moral problems found in nursing. Three lecture hours a week. Credit: Three hours.

**NURS 6035. DNP Practicum I.** Clinical course designed for Advanced Practice Registered Nurse (APRN) to provide increased expertise in a specific area. The APRN will function as an interdisciplinary team member, providing care to a select patient population. Includes assessment and evaluation of informatics, genetics, and technology use in selected clinical site. Prerequisites: NURS 6023, NURS 6033, NURS 6043, and NURS 6163. Fifteen clinical hours a week. Credit: Five hours.

**NURS 6043. Policy, Power, and Politics.** Examines concepts of social policy, power and political behaviors, and generates strategies for exercising professional leadership in effecting change in health disciplines. Exploration and analysis of theories supporting policy making as a decision-making body or power base for action or inaction. Role of health politics in the work place, organization, government, and community will be examined with special emphasis on the politics of women's health care. Three lecture hours a week. Credit: Three hours.

**NURS 6045. DNP Practicum II.** Clinical course designed to refine skills developed in NURS 6035. The Advanced Practice Registered Nurse (APRN) will select and implement evidence-based strategies, utilize genetics, demonstrate leadership within the context of the health care team, and measure outcomes using informatics for quality improvement. Prerequisite: NURS 6035. Fifteen clinical hours a week. Credit: Five hours.

**NURS 6053. Exploring Scholarship.** Introductory course will prepare the doctoral student to examine scholarship in detail and identify mechanisms to enhance own scholarship. Three lecture hours a week. Credit: Three hours.

**NURS 6063. Financial Management for Advanced Practice Nurses.** Sustainable and measurable improvements to health practice through the implementation of financial structures to support nursing practice. Evaluation of the cost-effectiveness of care and use of principles of economics and finance to redesign effective and realistic care delivery strategies. Three lecture hours a week. Credit: Three hours.

**NURS 6124. Role Differentiation: Practice to Research.** Comprehensive overview and differentiation of roles and opportunities for nurses involved in practice and research. Consideration of varied factors impacting the two roles including multiculturalism, ethics, philosophy, and policy. Four seminar hours a week. Credit: Four hours.

**NURS 6163. Health Outcomes: Measurement, Management, and Analysis.** Explores changes in health care system and emerging health care priority agenda with focus on outcomes. Emphasizes importance of outcome indicators and need for new or revised measures in selected health conditions and related settings. Analyzes relationship among process, outcomes, and costs. Focuses on development of research programs addressing clinical, institutional, or systems research. Prerequisite: NURS 6014 or permission of instructor. Three lecture hours a week. Credit: Three hours.

**NURS 6173. Instrumentation in Nursing Research.** Development of the knowledge base and skills needed for locating, evaluating, constructing, testing, and administering instruments that measure phenomena related to nursing and healthcare. Focus on approaches to instrument development, evaluation of the psychometric properties of existing instruments, and issues related to various types of data collection in the clinical setting that will support independent research and clinical practice. Prerequisites: NURS 6004 and completion of a graduate level statistics course, or permission of instructor. Three lecture hours a week. Credit: Three hours.

**NURS 6183. Systems and Care Models.** Theoretical underpinnings for systems thinking, complexity and chaos theories and nursing care models. Middle range theories and concepts to guide nursing practice. Theory-guided evidence-based practice, conceptual models of nursing care, and theories from other disciplines. Identification and analysis of concepts related to healthcare systems models. Three lecture hours a week. Credit: Three hours.

**NURS 6193. Family Violence across the Lifespan.** The problem of family violence across the lifespan, including precursors to family violence, nursing assessment, and nursing interventions for both victims and perpetrators of family violence. Development of research questions related to family violence. Three seminar hours a week. Credit: Three hours.

**NURS 6223. Threats to Women's Health.** Familiarizes students with the leading causes of morbidity and mortality among American women. Identifies feminist issues raised by the health of American women. Addresses influence of race, class, and gender upon health. Current analyses of women's health by contemporary scholars provides context for raising research questions. Explores potential research projects. Three lecture hours a week. Credit: Three hours.

**NURS 6283. Implementation and Evaluation Models and Frameworks for Application.** Critical appraisal of literature, practice evidence, and health systems data in developing a plan for implementation and evaluation of interprofessional strategies for high quality, cost-effective health outcomes. Theories and methods to determine factors that promote or impede the adoption, adaptation, and maintenance of healthcare interventions by individuals, providers, payers, and communities. Multidisciplinary frameworks and methodologies to promote integration of scientific evidence into healthcare practice, policy, and research. Planning, management, and leading implementation of new or the improvement of existing programs and policies. Skills for synthesizing literature, writing, and parts of a grant. Presentation of proposals. Prerequisites or Corequisites: NURS 6183 and NURS 6393. Three lecture hours a week. Credit: Three hours.

**NURS 6293. Population Health.** Complex health issues at the local, regional, national, and global levels. Significant health concerns and the resources allocated to overcome problems that drive poor health conditions in populations. Knowledge related to current health issues and trends utilizing theoretical approaches to identifying strategies to eliminate health disparities in diverse patient populations with a focus on health promotion, illness prevention, quality, and safety. Analysis, critique, and synthesis of multisector and interdisciplinary interventions to inform practice and policy. Prerequisite: NURS 6283. Corequisites: NURS 6434 and NURS 6493. Three lecture hours a week. Credit: Three hours.

**NURS 6303. Doctor of Nursing Practice Scholarly Project.** Clinical project based upon selection and implementation of evidence-based interventions supported through informatics and technological advances and measurement of outcomes in selected clinical site. Includes written and public presentation of findings and submission of article for publication in a peer-reviewed scholarly journal. May be repeated up to two times for project completion. Prerequisite: NURS 6163. Prerequisite or co-requisite: NURS 6035. Three hours a week. Credit: Three hours.

**NURS 6312. DNP Organizational Leadership I.** Application of leadership models, theories, framework, and influence on organizational systems. Team, quality, and safety science principles guiding experiential learning. Practice preparation in an area of specialization within the larger domain of nursing. Prerequisites: NURS 6283, NURS 6383, NURS 6434, and NURS 6493. Eight clinical hours a week. Credit: Two hours.

**NURS 6313. Epidemiology, Health Promotion, Population Health, and Research in Advanced Nursing Practice.** Analysis of epidemiological, biostatistical, environmental, genetic, behavioral, and socioeconomic data to evaluate interventions and health-care delivery models that promote population health. Incorporates evidence-appraisal from national data bases and identification of evidence-based guidelines for health promotion and disease prevention among populations. Prerequisite: LS 5363, LS 5533, LS 5553, or NURS 6323. Three lecture hours a week. Credit: Three hours.

**NURS 6322. DNP Organizational Leadership II.** Expertise in organizational leadership and administrative nursing practice. Interdisciplinary team member, leadership, and inter-professional team skills to select populations (systems); assessment and evaluation of informatics, genetics, and technology use in selected practice sites. Prerequisite: NURS 6312. Eight clinical hours a week. Credit: Two hours.

**NURS 6323. Informatics and Research in Nursing.** Promotion of evidence-based research and practice through health care informatics. Includes informatics theories, research methodologies, networks, skills, technology, system implementation, and management of data bases. Overview of electronic health records, telehealth, web-based education, bioinformatics, robotics, genomics, and individually-customized health care. Three lecture hours a week. Credit: Three hours.

**NURS 6332. DNP Organizational Leadership III.** Competencies in organizational and administrative leadership. Leadership, relationship building, and design skills in selected assignments focused on interprofessional teams and project management. Prerequisite: NURS 6322. Twelve clinical hours a week. Credit: Two hours.

**NURS 6333. Current Topics in Informatics and Research in Nursing and Health.** Emerging informatics trends and anticipated developments such as patient safety, consumer informatics, system implementation issues, human factors design, interoperability, privacy, and security. Examination of informatics theories, translational informatics research, and generating evidence for practice. Prerequisite: NURS 6323 or permission of instructor. Three lecture hours a week. Credit: Three hours.



**NURS 6343. Writing for Publication.** Synthesis of relative nursing literature and application of specific journal manuscript criteria and formal rules of writing. Analysis of critiques of manuscripts and appreciation of the editorial process. Preparation and submission of manuscript to nursing peer-reviewed journal. Three seminar hours a week. Credit: Three hours.

**NURS 6344. DNP Organizational Leadership IV.** Translational science principles with emphasis on team, quality, improvement, and implementation science working with interdisciplinary partners and key stakeholders. Entrepreneurial principles and skills for administrative and leadership practice. Focus on guiding, mentoring, and supporting team and project initiatives. Prerequisite: NURS 6332. One lecture and twelve clinical hours a week. Credit: Four hours.

**NURS 6353. DNP Project I: Planning and Development.** Evidence-based practice, improvement, and implementation science theories, models and frameworks, evaluation, and project planning and development foundation for the DNP proposal. Complex factors that influence an effective and sustainable implementation, critique of research, and practices. Information and tools to plan strategies that evaluate and/or improve quality and patient safety in complex healthcare environments. Lead faculty role introduction. Prerequisites or Co-requisites: NURS 3323 and NURS 6293. Three lecture hours a week. Credit: Three hours.

**NURS 6354. DNP Project II: Management and Practice Immersion.** Final development of the DNP proposal working with a faculty lead who mentors the student through the approval process and the initiation of the practice immersion experience. Information and tools to complete the final development of the DNP proposal. Prerequisite: NURS 6353. One lecture hour a week and 180 clinical hours. Credit: Four hours.

**NURS 6364. DNP Project III: Implementation and Evaluation.** Implementation and evaluation of the DNP project, environment assessment, and evaluation. Leadership and interprofessional team skills for select population (system), informatics, genetics, and technology in selected practice sites. Prerequisite: NURS 6354. 240 clinical hours. Credit: Four hours.

**NURS 6373. Nursing Leadership I: Creating an Organizational Culture for Quality and Safety.** Leadership models, theories, and frameworks, and their application to influencing population and health systems outcomes. Leadership actions from the perspective of team concepts, team building, organizational infrastructure, and issues surrounding cultural diversity, quality, safety, and outcomes measurement. Three lecture hours a week. Credit: Three hours.

**NURS 6374. DNP Project IV: Dissemination.** Completion and dissemination of final product - purpose, significance of the problem, plan, implementation, evaluation components, and recommendations. Dissemination strategies with appropriate target audience. Prerequisite: NURS 6364. Two lecture hours a week and 120 clinical hours. Credit: Four hours.

**NURS 6383. Organizational Systems: Transformational Change in Health Care Systems.** Foundational information on theories and frameworks relating to organizational systems. Assessment of the structure, process, and outcomes of healthcare organization systems and the fostering of interprofessional collaboration and cultivating system change. Organizational readiness assessments and motivation theories, attributes of high-performing organizations, and the influence on healthcare outcomes. Three lecture hours a week. Credit: Three hours.

**NURS 6393. Biostatistics for Nursing Practice.** Analysis of clinical data that informs decision making in a variety of practice settings. Biostatistical analysis to explore evidence-based practice in nursing and utilization of statistical tests that support clinical and organizational decision making. Emphasis on understanding the meaning and utility of data analysis methods. Fundamental statistical concepts with focus on correct interpretation and use of quantitative methods for practice settings. Three lecture hours a week. Credit: Three hours.

**NURS 6434. Quality Improvement Methodologies.** Quality improvement methodology and measurement of outcomes across a broad range of health care settings. Various outcome measurement instruments and data collection tools, readiness for change, the critical role of leadership, change management, and leading a successful interprofessional team for innovation. Skills for identifying issues and/or opportunities for change; design and implementation of a plan for change; analysis and evaluation of the outcomes and sustainability of a change project. Prerequisites: NURS 6183 and NURS 6393. Four lecture hours a week. Credit: Four hours.

**NURS 6473. Nursing Leadership II: Coaching for Innovative Practice.** Leadership theory, models, and frameworks. Leadership coaching on change management and innovative administrative practices. Best practices in leading teams and improvement innovation. Models and frameworks for innovation and design thinking in experiential learning activities. Prerequisite: NURS 6373. Three lecture hours a week. Credit: Three hours.

**NURS 6493. Evidence-Based Practice: Translating Best Practices.** Philosophical underpinnings for nursing knowledge, evidence-based practice models and frameworks, levels of evidence, nursing theories, and theories from other disciplines. Practice issue identification, scholarly literature search, and critical appraisal of research. Evidence-based practice methodologies with a brief introduction to quality improvement. Prerequisites: NURS 6183 and NURS 6393. Three lecture hours a week. Credit: Three hours.

**NURS 6494. Entrepreneurship in Transforming Healthcare Systems.** Strategies for innovation and increased autonomy, addressing long-standing problems in new and different ways, demonstrating methods to increase revenue while modulating risks, and leading in a transformative way. Theoretical background on the principles of entrepreneurship and discrete methods of application. Business planning, engagement in negotiation, and estimation of a Return on Investment (ROI). Selected models of entrepreneurship and their application. Four lecture hours a week. Credit: Four hours.

**NURS 6503. Exploring Scientific Literature.** Development of a process for identifying appropriate nursing and healthcare literature, and analysis necessary for producing a comprehensive appraisal of reviewed literature. Three lecture hours a week. Credit: Three hours.

**NURS 6513. Measurement and Instrumentation in Nursing Research.** Measurement theory, related measurement concepts, and instrument selection and evaluation. Approaches to instrumentation. Application of reliability and validity concepts when evaluating selected published measures. Prerequisite: NURS 6613. Three lecture hours a week. Credit: Three hours.

**NURS 6523. Qualitative Nursing Research.** Theoretical nature and methods of qualitative nursing research to address substantive human health problems including philosophical underpinnings, major design choices, methods, and analysis. Prerequisites or Co-requisites: NURS 6023 or permission of the instructor, and completion of Human Subjects Training. Three lecture hours a week. Credit: Three hours.

**NURS 6533. Theory for Nursing Research and Practice.** Theoretical foundations of nursing knowledge, including strategies for theory development. Examination and critical evaluation of theories, concepts, and models for testability and pragmatic use in practice and research. Relationship between philosophy and theory; inductive and deductive reasoning as applied to current nursing and human health problems. Application of theories from nursing and other disciplines. Three lecture hours a week. Credit: Three hours.

**NURS 6543. Quantitative Nursing Research.** Application of quantitative theories and methods to address substantive health problems. Prerequisites or co-requisites: NURS 6533 or permission of instructor, and Human Subjects Training. Three lecture hours a week. Credit: Three hours.

**NURS 6573. Nursing Research Proposal Development.** Development and refinement of a research proposal and application to Institutional Review Board(s). Individual study with proposed dissertation chair. Prerequisites: NURS 6523 and NURS 6543. Credit: Three hours.

**NURS 6583. Nursing Research Feasibility Practicum.** Research experience to assess rigor of the dissertation research proposal. Strategies for examining implementation potential of proposed study. Initiation of formal candidacy process. One lecture and four to eight hours of research practicum a week under faculty supervision. Prerequisite: NURS 6573. Credit: Three hours.

**NURS 6593. Determinants of Health.** Determinants of health including social and economic factors, individual characteristics and behaviors, environmental health, health services, and policy. Concepts of diversity, health equity, and population health. Analysis, critique, and synthesis of multisector and multidisciplinary interventions to inform practice, policy, and scholarly inquiry. Three lecture hours a week. Credit: Three hours.

**NURS 6613. Introduction to Clinical Investigation in Nursing.** Quantification and interpretation of clinical nursing phenomena with emphasis on analysis of relational statements and propositions in theories and conceptual frameworks. Three lecture hours a week. Credit: Three hours.

**NURS 6623. Systematic Inquiry in Nursing.** Analysis of clinical nursing phenomena with emphasis on advanced quantification and interpretation of clinical data in analysis of models and theoretical statements in nursing. Three lecture hours a week. Credit: Three hours.

**NURS 6733. Finance.** Financial management of healthcare institutions including planning, allocating and effectively managing resources, and evaluating financial results. Relationship of the economic environment and healthcare costs, regulatory agencies, and implications for nursing practice. Three lecture hours a week. Credit: Three hours.

**NURS 6813. Data Applications for Health Promotion In Nursing.** Exploration of publicly available and proprietary health care resource data sites for data extraction, data management, and trend analysis for the enhancement of health promotion in nursing and other health fields. Three seminar hours a week. Credit: Three hours.

**NURS 6853. Interaction Design in Healthcare.** Advanced human-computer user-centered interaction design and application to health information systems, medical devices, consumer health websites, and other healthcare-related systems; user-centered design, usability, and human-computer interaction. Three lecture hours a week. Credit: Three hours.

**NURS 6893. Interprofessional Informatics Synthesis.** Culminating organization and/or community-based interdisciplinary/interprofessional project supported through informatics and technology and applied to a selected course-specific domain to demonstrate knowledge and skills acquired in the Interprofessional Informatics certificate program; focus on improvement of health care delivery and quality outcomes. Immersive, investigative, and reflective opportunity for deep study on a selected area of practice/application domain. Three seminar hours a week. Credit: Three hours.

**NURS 6903. Special Topics.** Selected current topics in nursing. Three lecture hours a week. Credit: Three hours.

**NURS 6911. Independent Study.** Individual study of a selected problem in nursing. Prerequisite: Permission of instructor. Credit: One hour.

**NURS 6913. Independent Study.** Individual study of a selected problem in nursing. Prerequisite: Permission of instructor. Credit: Three hours.

**NURS 6933. Analysis of Nurse-Generated Data.** Use of SPSS software for preparation and evaluation of nurse-generated data. Emphasis on selection and performance of descriptive and inferential statistical tests, and interpretation and reporting of results of nursing studies. May not be taken to replace a required statistics course. Three seminar hours a week. Credit: Three hours.

**NURS 6943. Technology-Enhanced Health Promotion.** Interactive selection and application of current technological advances and software for health promotion and self-management of underserved populations across disciplines. Three lecture hours a week. Credit: Three hours.

**NURS 6963. Telehealth and Remote Monitoring.** Telehealth and remote monitoring in post-acute delivery of care services provided in an inter-professional education competency framework aimed at healthcare improvement for underserved populations. Includes skills development for telemedicine cart use. Three lecture hours a week. Credit: Three hours.

**NURS 6983. Dissertation.** Credit: Three hours.

**NURS 6993. Dissertation.** Prerequisite: NURS 6983. Credit: Three hours.