University of Arkansas
Eleanor Mann School of Nursing
Post-Baccalaureate DNP Program

NURS 5003 – Theoretical & Scientific Foundations for Nursing Practice
Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.

Course Description	Course Outcomes	Content Outline
Examines elements of nursing knowledge, including identification of the links between theory and empirical indicators. Concepts and theories are analyzed for application in advanced practice to solve problems and improve health outcomes. Theoretical knowledge from biophysical, social and organizational sciences is integrated with nursing science to guide advanced nursing practice.	1. Discuss the basic elements of theory development process. (DNP Essentials I, III) 2. Explore the historical evolution of knowledge building in nursing and the relationship of nursing theories with other disciplines. (DNP Essential I) 3. Explain linkages among theory, research, and advanced nursing practice. (DNP Essentials I, III, VIII) 4. Evaluate nursing and selected theories from other disciplines for application in evidence based nursing practice. (DNP Essential I, III, VIII) 5. Synthesize nursing science with knowledge from biophysical, psychosocial, ethical, and organizational realms to apply evidence for best practice at the highest level of advanced nursing. (DNP Essential I, III, VII, VIII) 6. Apply a selected mid-range or practice theory to an identified clinical problem experienced by individuals or groups. (DNP Essential I, III, VIII)	Conceptualization Nature of Knowledge for Nursing Practice Philosophies, Models and Theories In Nursing Practice Application Nursing Philosophies Nursing Models Middle Range Theories Practice Theories Evaluation Areas for Further Development of Theory Evidence-based Nursing Practice Future Directions of Theory Based Practice

NURS 5033 Role Development

Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.

Course Description	Course Outcomes	Content Outline

Examines role development of advanced practices in nursing and the evolution of the Doctorate of Nursing Practice. Concepts include role development, interdisciplinary communication and collaborative strategies, patient advocacy and serving as change agent for role implementation.	1. Differentiate the traditional roles of the Advanced Practice Nurse with emerging roles and their influence on the evolution of the DNP as entry into professional practice. (DNP Essential VIII)
	
	2. Identify strategies for collaborative interdisciplinary relationships with other health care providers. (DNP Essential VI)
	
	3. Analyze practice philosophy, educational requirements, professional structure, and regulatory requirements for the Clinical Nurse Specialist, Nurse Practitioner, Nurse Educator, Nurse Administrator, Public Health Nurse, and Clinical Nurse Leader. (DNP Essential VIII)
	
	4. Compare the roles of teacher, researcher, advocate, expert clinician, consultant, and manager within the health care system. (DNP Essential II, III, VI, VIII)
	
	5. Analyze the importance of the change agent role and its effect on the health care system. (DNP Essential II)
	
	6. Apply legal/ethical principles related to advanced practices in nursing. (DNP Essential I, VIII)
		History and Definition of Advanced Practice Roles
		    Conceptualizations of APN
		    Standards and Scope of Practice for APN
		    Traditional APN Roles
		    Emerging Roles of the DNP
		Development of the DNP as APN entry into Practice
		    APRN Consensus Model
		    National Nursing Organizations
		    Healthcare Reform
		    Health Policy
		The Business of APN/DNP
		    Regulatory, Legal, and Credentialing Requirements
		    Reimbursement
		    Outcomes Evaluation
		Competencies of APN
		    Expert Evidence-Based Clinical Practice
		    Ethical Decision Making
		    Coaching and Guidance
		    Consultation
		    Collaboration
		    Research
		    Clinical, Professional, and Systems Leadership
		Role Development and Strategic Planning

NURS 5043 Concepts of Health Promotion within Diverse Populations
Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.

Course Description	Course Outcomes	Content Outline

Provides a theoretical base for health promotion, risk reduction and disease prevention at the individual, family and community levels. Identifies a cross-disciplinary approach to achieve or preserve health. Addresses the factors contributing to morbidity and mortality in diverse populations. Provides opportunity to develop, implement, and evaluate interventions for selected clients.	1. Conduct a health risk assessment of populations using evidence-based tools. (DNP Essential VII)
	
	2. Use population-based data to examine the health status of local, national and international communities. (DNP Essential VII)
	
	3. Design culturally relevant interventions for health promotion, risk reduction, and disease prevention for populations. (DNP Essential VI, VII)
	
	4. Use evidence-based rationale to influence health promotion policy at local, regional, and national levels. (DNP Essential III, V, VI, VII)
	
	5. Assume leadership in community health promotion programs. (DNP Essential V, VI, VII)
	
	6. Create change in health behavior, health status and/or health care delivery through the development and implementation of health promotion programs. (DNP Essential V, VI, VII, VIII)
	
	7. Contribute to research and theory development in health promotion, risk reduction and disease prevention. (DNP Essential III, VII)
	
	8. Evaluate health promotion programs and policy for impact on diverse populations. (DNP Essential VII)
	
	9. Identify population or setting to be studied for final research project. (DNP Essential III, VII, VIII)
		Theories and Research in Health Promotion
		  Health Status Data
		    local
		    regional
		    national
		    international
		  Assessment of Populations
		    tools
		    methods
		    variables
		  Health Promotion Programs
		    development
		    evaluation
		  Health Policy and Health Care Delivery
		    development
		    influencing factors related to health promotion
		  Multidisciplinary Approaches to Health Promotion
		  Application experience in the community

NURS 5053 Evidence-based Practice and Innovation in Nursing		
Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.		
Course Description	**Course Outcomes**	**Content Outline**
Examines models and strategies for leadership in evidence-based practice and innovation, outcomes management, and translational scholarship. The emphasis of this course is on problem identification, information retrieval, critical appraisal, and synthesis of a body of evidence. It provides the student with the foundation for the DNP evidence-based practice project.	1. Identify and critically analyze important clinical problems. (DNP Essential II, III, VIII) 2. Apply information technology and research methods to critically appraise existing literature and other evidence, analyze data for practice, identify gaps in evidence, and examine outcomes of practice to determine the best evidence for practice. (DNP Essential III, IV, VIII) 3. Evaluate outcomes of practice, practice patterns, and systems of care within a practice setting, health care organization, or community against national benchmarks to determine variances in practice outcomes and population trends. (DNP Essential II, III, VI, VII) 4. Develop evidence-based innovations designed to improve health outcomes. (DNP Essential III, VI) 5. Prepare a systematic plan for implementing and evaluating evidence-based practice. (DNP Essential III, VIII) 6. Advocate for the ethical conduct of research and translational scholarship. (DNP Essential III, VIII) 7. Explore funding opportunities available to support evidence based practice research. (DNP III, IV, V, VI)	Sources of important clinical problems Sources of evidence Information technology tools Critical appraisal skills Evidence-based practice models Outcomes management models Translational science Quality improvement methodologies Funding sources for evidence-based practice Research ethics

NURS 5063 Health Care Policy

Pre/Co Requisite – Admission to the graduate program or by permission of the instructor.

Course Description	Course Outcomes	Content Outline

Provides knowledge and understanding needed to participate in policy development analysis and implementation. Provides an overview of the political process, health care policy, advocacy, leadership roles, legislative and regulatory issues, health care financing, and evaluating outcomes. Access, cost, and quality of health care are major foci in this course.	1. Discuss state and federal legislative and regulatory processes and legal/ethical principles. (DNP Essential V, VIII)
	2. Critically analyze health policy proposals, health policies, and related issues from the perspective of consumers, nursing, and other health professions. (DNP Essential II, V)
	3. Analyze the influence of health policy, social factors, and other variables on advanced nursing practice roles and methods of health care delivery. (DNP Essential II, V, VIII)
	4. Apply health care policy concepts frequently discussed in health care and public health policy debates. (DNP Essential V, VI, VII, VIII).
	5. Evaluate healthcare delivery models/systems needed to meet the current and future needs of patient populations. (DNP Essential II, V, VII, VIII).
	6. Analyze the effects of health policy on health promotion for selected aggregates. (DNP Essential V, VII)
	7. Evaluate leadership strategies needed to ensure quality health care and patient safety (DNP Essential II, VII, VIII)
		Concepts of health policy
		Research in health care policy
		Local, state, and federal legislative and regulatory processes
		Legal and ethical standards in health care policy
		Advocacy in health care reform
		Socioeconomic and cultural issues
		Policy formation
		Health care financing, resources, and outcome analysis
		Cost-effectiveness of clinical decisions
		    Outcome measures
		    Quality indicators

NURS 5102 Advanced Health Assessment, Physical Examination, and Diagnostic Reasoning
Pre/Co Requisites – Concurrent enrollment in NURS 5111 Clinical Practicum: Advanced Health Assessment, Physical Examination, & Diagnostic Reasoning.

Course Description	Course Outcomes	Content Outline
Applies health assessment, physical examination techniques, clinical decision making, and diagnostic reasoning to formulate a culturally-sensitive, individualized plan of care, which includes health promotion and disease prevention.	1. Integrate skilled critical thinking, clinical decision making, and diagnostic reasoning consistent with advanced practice skills in obtaining a comprehensive database including complete functional assessment, health history, physical examination, and appropriate diagnostic testing. (DNP Essential VII, VIII) 2. Formulate differential diagnoses based on the assessment data, and develop an effective and appropriate basic plan of care for the patient that takes into consideration life circumstances and cultural, ethnic, and developmental variation. (DNP Essential VII, VIII) 3. Identify signs and symptoms of common emotional illnesses. (DNP Essential VII, VIII) 4. Relate assessment findings to underlying pathology or physiologic changes. (DNP Essential I, VII, VIII) 5. Interpret findings of the history, physical examination, and diagnostic tests. (DNP Essential VII, VIII) 6. Determine appropriate referrals. (DNP Essential VI, VII, VIII) 7. Identify components required for a problem-focused patient encounter using SOAP (subjective, objective, assessment, and plan) note and differentiate it from a comprehensive history and physical examination. (DNP Essential VI, VII, VIII)	Assessment of the whole person Approach to the clinical setting History and physical examination of body systems Integration of the health assessment Clinical decision making and diagnostic reasoning Evidence-based practice

NURS 5111 Clinical Practicum: Advanced Health Assessment, Physical Examination, and Diagnostic Reasoning

Pre/Co Requisites – Concurrent enrollment in NURS 5102 Advanced Health Assessment, Physical Examination, & Diagnostic Reasoning.

Course Description	Course Outcomes	Content Outline
Focus is on the application of skilled critical thinking, clinical decision making, diagnostic reasoning, and advanced physical examination techniques to develop differential diagnoses, problem list, and a plan of care for individual clients.	1. Demonstrate integration of skilled critical thinking, clinical decision making, and diagnostic reasoning consistent with advanced practice skills in obtaining and documenting correctly a comprehensive database including complete functional assessment, health history, physical examination, and appropriate diagnostic testing. (DNP Essential VII, VIII) 2. Determine necessary basic laboratory tests and interpret results. (DNP Essential VII, VIII) 3. Perform a risk assessment on an adult and geriatric patient including an assessment of lifestyle and other risk factors. (DNP Essential VII, VIII) 4. Document a problem-focused patient encounter using SOAP (subjective, objective, assessment, and plan) note that accurately reflects the patient's health status using appropriate tools and techniques. (DNP Essential VI, VII, VIII) 5. Communicate effectively with other health care team members. (DNP Essential VI)	Approach to the clinical setting Comprehensive assessment of the individual Focused history and physical examination of body systems Integration of the Health Assessment Clinical decision-making and diagnostic reasoning

NURS 5123 Pharmacotherapeutics		
Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.		
Course Description	**Course Outcomes**	**Content Outline**

Provides advanced concepts and application of pharmacology for broad categories of agents used in disease management. Establishes the relationship between pharmacologic agents and physiologic/pathologic responses. It assists students with the development of knowledge and skills to prescribe and manage a client's health in a safe, high quality, and cost-effective manner.	1. Comprehend principles of pharmacology (pharmacokinetics and pharmacodynamics) and the pharmacotherapeutics of broad categories of drugs for individuals across the lifespan. (DNP Essential I, VIII)
	
	2. Understand the motivations of patients in seeking prescriptions and the willingness to adhere to prescribed regimens. (DNP Essential VII, VIII)
	
	3. Safely and appropriately select pharmacologic agents for the management of client health based on client variations, client problems, and cost effectiveness. (DNP Essential VIII)
	
	4. Provide appropriate patient education for prescription and non-prescriptive pharmacologic agents. (DNP Essential VII, VIII)
	
	5. Analyze the effects of single and multiple drug regimens on client's health. (DNP Essential VIII)
	
	6. Understand the variety of state legal requirements for advanced practice nursing pertaining to prescriptive authority. (DNP Essential V, VIII)
	
	7. Use symptom analysis with case study to analyze the relationship between pharmacologic agents and physiologic/pathologic responses. (DNP Essential III, VIII)
		General pharmacokinetic and pharmacodynamic principles
		Prescriptive authority, health policy, and role implementation
		Writing prescriptions
		   State-specific requirements
		   Drug samples
		   Drug seeking behaviors
		Treatment guidelines and evidence-based decision making
		Topical agents
		Respiratory agents
		Cardiovascular agents
		Gastrointestinal agents
		Renal/Genitourinary agents
		Musculoskeletal agents
		Central nervous system agents
		Psychotropic agents
		Endocrine agents
		Antiinfectives
		Female reproductive system medications
		Health promotion (immunizations and biologicals)

NURS 5143 Advanced Pathophysiology

Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.

Course Description	Course Outcomes	Content Outline

Provides a comprehensive understanding of normal physiologic and pathologic mechanisms of disease that serves as a foundation for clinical assessment, decision making, and management of individuals. Includes mechanisms of disease, genetic susceptibility, and immune responses in selected disorders. This course includes concepts of pathophysiology across the lifespan.	1. Compare and contrast physiologic changes of adults across the lifespan. (DNP Essential VIII)
	
	2. Analyze the relationship between normal physiology and pathological structure/dysfunction on chemical, cellular, organ and system levels of adults across the lifespan. (DNP Essential VIII)
	
	3. Synthesize and apply current research-based knowledge regarding etiology, pathogenesis, manifestations, diagnosis, medical and pharmacologic treatment, of in selected disease states. (DNP Essential III, VIII)
	
	4. Describe the developmental physiology, normal etiology, pathogenesis, and clinical manifestations of common diseases. (DNP Essential VIII)
	
	5. Select disease state of interest for research project or specific area of clinical expertise. (DNP Essential III, VIII)
		Cellular Adaptation and Dysfunction
		    Cell Injury/Death
		    Acute/Chronic Infection
		    Tissue Repair
		    Neoplasia
		Mechanisms of Self-Defense
		    Diseases of Immunity
		Body System and Disease
		    Hemopoetic
		    Cardiac
		    Pulmonary
		    Gastrointestinal
		    Hepatic and Biliary
		    Pancreas
		    Renal
		    Lower Urinary Tract and Male Genital Tract
		    Female Genital Tract
		    Breast
		    Musculoskeletal
		    Endocrine
		    Central Nervous System
		    Integumentary

NURS 5272 Clinical Practice: Interpretive Diagnostic Reasoning and Advanced Skill Acquisition
Pre/Co Requisite – Completion or concurrent enrollment in NURS 5102, NURS 5111, NURS 5143 and NURS 5123.

Course Description	Course Outcomes	Content Outline
Application of principles of pathologic mechanisms of disease, pharmacotherapeutics, and pharmacokinetics to refine and synthesize skills for history taking, physical examination, clinical assessment, diagnostic reasoning, and decision making for adult and geriatric individuals. Includes advanced clinical skills in acute and critical care.	1. Utilize comprehensive history taking, physical examination, and principles of pathologic mechanism of disease to correctly identify and document complex, acute, critical, and chronic illnesses including urgent and emergent physical and mental health conditions. (DNP Essential I, VII, VIII) 2. Develop differential diagnoses by priority for new or recurring complex, acute, critical, and chronic physical, mental, and behavioral disorders or problems. (DNP Essential VII, VIII) 3. Synthesize data from a variety of sources to make clinical decisions in planning and implementing care, consultation, or referral. (DNP Essential VII, VIII) 4. In consultation with a pharmacist, prescribe appropriate pharmacologic modalities considering age, allergies, drug-drug compatibilities, cost, and patient adherence to regime. (DNP Essential VI, VII, VIII) 5. Screen for acute and chronic mental health and behavioral problems and disorders, adapting for the cognitively impaired individuals. (DNP Essential VII, VIII) 6. Communicate effectively with other health care team members. (DNP Essential VI) 7. Research and utilize specialty-based technical skills in the performance of diagnostic procedures and treatment/management of acute and critical conditions. (CNP Essential IIII, VI, VIII).	Approach to the clinical setting History taking and physical exam Interpretation of results from laboratory and other diagnostic testing Integration of the health assessment with diagnostic reasoning Selection of screening tools Pharmacist consultation for application of pharmacotherapeutic prescription plan Developing differential diagnoses Advanced Skills

NURS 5282 Clinical Practice: Interpretive Diagnostic Reasoning and Spheres of Influence
Pre/Co Requisite – Completion or concurrent enrollment in NURS 5102, NURS 5111, NURS 5143 and NURS 5123

Course Description	Course Outcomes	Content Outline

Application of principles of pathologic mechanisms of disease, pharmacotherapeutics, and pharmacokinetics to refine and synthesize skills for history taking, physical examination, clinical assessment, diagnostic reasoning, and decision making for adult and geriatric individuals. Incorporates the three spheres of influence, with emphasis on benchmarking, patient and nurse-sensitive outcomes.	1. Utilize comprehensive history taking, physical examination, and principles of pathologic mechanism of disease to correctly identify and document complex, acute, critical, and chronic illnesses including urgent and emergent physical and mental health conditions. (DNP Essential I, VII, VIII)
	
	2. Develop priorities for new or recurring complex, acute, critical, and chronic physical, mental, and behavioral disorders or problems for the adult/geriatric patient sphere. (DNP Essential VII, VIII)
	
	3. Synthesize data from a variety of sources to make clinical decisions in planning and implementing care, consultation, or referral. (DNP Essential VII, VIII)
	
	4. In consultation with a pharmacist, prescribe appropriate pharmacologic modalities considering age, allergies, drug-drug compatibilities, cost, and patient adherence to regime. (DNP Essential VI, VII, VIII)
	
	5. Screen for acute and chronic mental health and behavioral problems and disorders, adapting for the cognitively impaired individuals. (DNP Essential VII, VIII)
	
	6. Communicate effectively with other health care team members. (DNP Essential VI)
	
	7. Develop levels of clinical judgment, systems thinking, and accountability in designing evidenced based strategies for advanced clinical practice specialty to effect change within a practice setting, health care organization, or community. (DNP Essential II, III, IV, V, VI, VII, VIII)
		Approach to the clinical setting
		History taking and physical exam
		Interpretation of results from laboratory and other diagnostic testing
		Integration of the health assessment with diagnostic reasoning
		Selection of screening tools
		Pharmacist consultation for application of pharmacotherapeutic prescription plan
		Developing differential diagnoses
		  Models of Organization Framework
		  for CNS Competencies
		  Spheres of Influence
		  Advocacy & Moral Agency
		  Collaborator
		  Care Coordinator
		  Outcomes Measurement
		      Benchmarking
		      Nurse-sensitive outcomes
		      Organizational systems outcomes
		      CORE measures
		Nurse and Patient Education

NURS 5443 Chronic Health Problems in Adult and Geriatric Populations
Pre/Co Requisites – Completion of core classes and concurrent enrollment in NURS 5454: Adult Geriatric (Chronic) Clinical I.

Course Description	Course Outcomes	Content Outline

Explores evidence-based models for the management of selected chronic conditions, focusing on the holistic assessment and treatment of individuals and families. Utilizes advanced theories, concepts, knowledge, and skill in the care of diverse adult and geriatric populations with complex chronic health problems.	1. Integrate current research findings, evidence-based practice guidelines, standards of care, and outcomes into the management of adults with selected chronic health problems. (DNP Essential I, III, IV, VII, VIII)
	
	2. Explore the impact of chronic illness on individuals, families, and the healthcare system. (DNP Essential I, II, III, IV, VII, VIII)
	
	3. Evaluate available community referral sources in a variety of situations commonly seen in adult and geriatric populations with chronic illness or disease. (DNP Essential V, VI, VII, VIII)
	
	4. Analyze the roles and contributions of members of the comprehensive health care team in caring for individuals, families and communities with complex, chronic illness or disease. (DNP Essential II, VI)
	
	5. Design a comprehensive, individualized, age and disease appropriate plan for health promotion for a client with a chronic disease using appropriate theoretical framework. (DNP Essential I, III, VI, VII, VIII)
		Role of members on a comprehensive health care team
		Assessment of selected illness and disease states
		Diagnostic testing interpretation
		Using diagnostic reasoning to eliminate differential diagnoses
		Formulating treatment plan
		Impact of chronic illness
		    individual
		    family
		    healthcare system
		Evidence-based outcomes of care
		Community referrals

NURS 5454 Adult-Geriatric (Chronic) Clinical I
Pre/Co Requisites – Completion of core classes and concurrent enrollment in NURS 5443: Chronic Health Problems in Adult and Geriatric Populations.

Course Description	Course Outcomes	Content Outline
Focuses on the management of individuals with complex, chronic health problems. Emphasis is on the application of theoretical concepts, assessment skills, critical thinking, and evidence-based standards to formulate differential diagnoses, clinical impressions, treatment, and evaluation plans in the acute or out-patient setting.	1. Integrate assessment, differential diagnosis, and advanced interventions in the care of adults with chronic illness. (DNP Essential III, IV, VIII) 2. Through collaboration and effective communication with other health care team members, develop and implement comprehensive, dynamic plans of care for adult populations with complex, chronic health problems. (DNP Essential I, III, IV, VI, VII, VIII) 3. Modify existing plans of care through synthesis of previous data derived from on-going assessment of client information and physical examination. (DNP Essential II, III, IV, VI, VII, VIII) 4. Utilize appropriate diagnostic and therapeutic interventions with concern for safety, cost, invasiveness, acceptability, simplicity and effectiveness. (DNP Essential II, III, V, VIII) 5. Use evidence-based criteria to evaluate client outcomes and revise plans of care. (DNP Essential I, III, IV, VIII) 6. Provide for continuity of care beyond secondary care through collaboration and communication with appropriate referrals to community-based agencies. (DNP Essential VI, VII, VIII) 7. Develop, implement, and evaluate educational interventions for patients, families and staff. (DNP Essential II, VI, VIII)	Clinical expectations and experiences are based on approved clinical objectives. These personal, individualized objectives are formulated by the student and faculty, in collaboration with the preceptor.

NURS 5463 Acute and Critical Illness in Adult and Geriatric Populations		
Pre/Co Requisites – Completion of NURS 5443 and NURS 5454. Concurrent enrollment in NURS 5475.		
Course Description	**Course Outcomes**	**Content Outline**
Provides an in-depth knowledge of management of acutely and critically ill adults. Emphasis is on the use of evidence-based knowledge to formulate differential diagnoses, diagnoses, treatment and evaluation plans, and outcome parameters for adults who have complex acute or critical health problems, or are at high risk for developing complications.	1. Develop appropriate differential diagnoses and diagnoses based on analysis and interpretation of hypothetical data from case studies including history, presenting symptoms, physical findings, and diagnostic information for adults with complex acute and critical health care problems. (DNP IV, VII, VIII) 2. Generate problem lists from case studies. (DNP I, IV, VI, VII, VIII) 3. Formulate treatment plans, with emphasis on safety, cost, invasiveness, and efficacy, for adults with selected acute and critical health care problems. (DNP Essential VI, VII, VIII) 4. Discuss collaborative processes of the interdisciplinary healthcare team in facilitating the acutely and critically ill individual's progress toward maximum functional health. (DNP Essential VI, VII, VIII) 5. Propose parameters to evaluate the effectiveness of management plans in achieving optimal outcomes for adults with selected complex acute and critical health care problems. (DNP Essential III, IV, VI, VII, VIII) 6. Evaluate available community referral sources in a variety of situations commonly seen in adult and geriatric populations with acute or critical illness. (DNP Essential VI, VII) 7. Apply theories of adult learning to create a teaching plan for patients, families, caregivers, and the community on the interaction between physical and mental health, high risk behaviors and their impact on health, and health promotion. (DNP Essential I, VI, VII, VIII) 8. Present selected topic on complex management of critical or acute disease states using appropriate theoretical framework for symptom analysis and case study. (DNP Essential I, III, VI, VII, VIII) 9. Discuss individual and family issues related to end-of-life and palliative care.	Assessment of selected acute and critical diseases Diagnostic testing Eliminating differential diagnoses Development of comprehensive interdisciplinary plan of care Core Measures Methods of communicating plan of care Case management Evidence-based outcomes of care Family and patient care in end-of-life decisions Community referrals Coding

NURS 5475 Adult-Geriatric (Acute/Critical) Clinical II
Pre/Co Requisite – Completion of NURS 5443 and NURS 5454. Concurrent enrollment in NURS 5463.

Course Description	Course Outcomes	Content Outline
Experiences allow the student to apply safe, scientifically sound, cost effective, legal and ethical management strategies to the care of adults with complex acute and critical illness. Emphasis is on the development of advanced clinical skills in acute and critical care settings.	1. Through collaboration with other health care team members, develop a comprehensive plan of care to include a comprehensive history and physical, problem list, education plan, and referral follow-up process to determine outcomes of evidence-based care for adult and geriatric populations with complex acute and critical health problems. (DNP Essential I, III, IV, VI, VII, VIII) 2. Incorporate evidence-based practices, products, and technology that are specific to adult-geriatric populations into clinical practice and policy development. (DNP Essential II, III, IV, VII, VIII) 3. Use evidence-based criteria to evaluate client outcomes and modify existing plans of care through synthesis of previous data derived from on-going assessment of client information. (DNP Essential I, III, IV, VIII) 4. Utilize appropriate diagnostic and therapeutic interventions with concern for safety, cost, invasiveness, acceptability, simplicity and effectiveness. (DNP Essential II, III, V, VIII) 5. Build on diagnostic reasoning and clinical decision making to co-manage critically ill patients with preceptor in acute or critical care setting. (DNP Essential III, IV, VI, VII, VIII) 6. Implement and evaluate educational interventions for patients, families and staff. (DNP Essential II, VI, VIII) 7. Provide for continuity of care beyond acute care through collaboration and communication with appropriate referrals to community-based agencies. (DNP Essential VI, VII, VIII) 8. Utilize legal and ethical principles to guide decision-making in the advanced nursing practice role. (DNP Essential I, V, VIII) 9. Communicate effectively with other health care team members. (DNP Essential VI)	Clinical expectations and experiences are based on approved clinical objectives. These personal, individualized objectives are formulated by the student and faculty, in collaboration with the preceptor.

NURS 5523 Healthcare Informatics
Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.

Course Description	Course Outcomes	Content Outline

Explores standards and principles for selecting, using, and evaluating information systems. Discusses the application of computer programs relevant to nursing administration, education, research, and practice. Assists the student in managing individual and aggregate information, and assessing the efficacy of patient care technology appropriate to a specialized area of nursing practice.	1. Develop knowledge of healthcare informatics roles and competencies within the health care delivery system. (DNP Essential II, IV)
	
	2. Integrate theories of healthcare informatics into advanced practice using the concepts of data, information, and knowledge to describe information systems. (DNP Essentials I, IV)
	
	3. Demonstrate the conceptual ability and technical skills to develop and execute an evaluation plan involving data extraction from practice information systems and databases. (DNP Essential III, IV)
	
	4. Analyze legislation, public and organizational policies related to information management in the health care system. (DNP Essentials II, IV, V)
	
	5. Analyze and communicate critical elements necessary to the selection, use and evaluation of healthcare information systems and patient care technology. (DNP Essential IV, VI)
	
	6. Evaluate computer hardware and software applications to monitor outcomes of care, care systems, and quality improvement. (DNP Essentials II, IV, VI)
	
	7. Evaluate emerging patterns and trends in electronic information processing and the ethical/legal issues that arise from technology. (DNP Essential IV)
		US Healthcare Industry, Information Technology, and
		  Informatics
		    Roles within healthcare
		    Legislative, public, organizational policy
		Theoretic building blocks of informatics
		    Information science and information systems
		    Computer science and the foundation of knowledge
		    Cognitive science
		    Human-Technology interface
		Nursing Informatics
		    Roles, competencies, and skills
		    Information and knowledge needs of nurses
		    Patient care technology
		Application of Healthcare Informatics to Improving
		  Patient Safety and Outcomes
		    Ethical and legal considerations
		    Securing information
		    Administrative and clinical health information
		        systems
		    Electronic health record
		    Using informatics to promote community/population
		        health
		    Telehealth
		Application to Research and Education
		Using Data Mining for Decision Support and Cost
		  Savings

NURS 6123 Evaluation Methods and Translational Research for Evidence-based Practice
Pre/Co Requisites – Completion of NURS 5053 Evidence-based Practice and Innovation in Nursing, ESRM 6403.

Course Description	Course Outcomes	Content Outline

The translation of evidence into practice, including theoretical and practical challenges, is analyzed through the use of case studies and proposals. Uses methods of inquiry for systematic appraisal of nursing practice or healthcare programs to identify practice outcomes and create an environment to support and sustain changes.	1. Discuss translational techniques, including informatics. (DNP Essential I, III, IV, VI)
	
	 2. Lead interdisciplinary teams to improve care outcomes and support policy changes through knowledge generation and dissemination. (DNP Essential II, III, V, VI)
	
	 3. Integrate theory and translational processes to develop a proposal to improve nursing practice, systems, and/or patient outcomes. (DNP Essential I, II, III, VI)
	
	 4. Interpret methods and results from selected analyses and synthesis of research findings as applicable to evidence-based advanced nursing practice. (DNP Essential I, III, IV, VII, VIII)
	
	 5. Assess and analyze methodology and evaluation strategies for proposed changes. (DNP Essential I, II, III, IV, V, VI, VII, VIII)
	
	 6. Complete a pilot project to determine the feasibility of a planned practice change for Capstone Project. (DNP Essential III, VIII)
		The Translation of Evidence into Practice
		     Theories of change
		     Theories of caring
		     Human needs
		     Value systems
		 Selected Statistical Methods
		 Techniques for Moving from Evidence to Action
		 Financial, Ethical, and Social Implications
		 Establishing Organization Infrastructure
		 Measuring and Managing EBP Outcomes
		 Managing the EBP project
		 Dissemination
		 Sustainability

NURS 6224 Specialty Practice Clinical III		
Pre/Co Requisite – Completion of NURS 5443, NURS 5454, NURS 5463, and NURS 5475; or by permission of the instructor.		
Course Description	**Course Outcomes**	**Content Outline**
Provides an opportunity to synthesize advanced knowledge and role behaviors within a specialty concentration. Designed to apply nursing theory, translational research, epidemiologic principles, ethical/legal principles, outcome evaluations, healthcare systems thinking, and economics into a specialized clinical practice role and setting. **Depending upon specialty and experience, may require travel to campus.**	1. Practice an advanced level of nursing through integration of knowledge from nursing, ethics, and the biophysical, analytical, and organizational sciences. (DNP Essential I, II, III, IV, VI, VII, VIII) 2. Demonstrate leadership through the development and evaluation of healthcare delivery approaches that ensure quality and safety. (DNP Essential II, III, IV, V, VI, VII, VIII) 3. Provide for continuity of care through collaboration and effective communication. (DNP Essential II, VI, VII, VIII) 4. Utilize information systems and patient care technology for the improvement and transformation of healthcare. (DNP Essential II, IV) 5. Develop, implement, and evaluate either (a) an educational intervention for patients, families or staff; OR (b) a quality improvement endeavor for the organization. (DNP Essential II, III, IV, V, VI, VII, VIII) 6. Manage an appropriately sized case load within selected specialty practice, depending upon amount of experience; OR function as a clinical practice specialist/consultant in an advanced practice setting. (DNP Essential II, III, V, VI, VII, VIII) 7. Initiate appropriate and timely consultation and/or referral when the health problem exceeds the scope of practice and/or expertise of the advance practice nurse. (DNP Essential I, II, VI, VII, VIII) 8. In collaboration with preceptor, mentor, or faculty identify a specialty practice research question, design the methodology for the study, and determine statistical testing to analyze data. (DNP I, II, III, VIII)	Clinical expectations and experiences are based on approved clinical objectives. These personal, individualized objectives are formulated by the student and faculty, in collaboration with the preceptor.

NURS 6233 Healthcare Economics and Finance		
Pre/Co Requisite – Admission to the graduate program or by permission of the instructor.		
Course Description	**Course Outcomes**	**Content Outline**
Provides advanced economic, financial, and business knowledge and skills required for a leadership role in financial planning and decision making within healthcare delivery systems.	1. Synthesize principles of business, stewardship, finance, and economics within a financial framework to improve management of outcomes. (DNP Essential I, II, IV, V, VIII) 2. Analyze resource utilization, cost containment, and quality in the promotion of cost effective care. (DNP Essential II, V, IV, VI) 3. Evaluate evidence based models of practice, financial frameworks, and economic theory applied to practice and healthcare delivery systems. (DNP Essential I, II,V,VI) 4. Examine methods of healthcare financing and how these affect advanced nursing practice. (DNP Essential I, II, IV, V, VIII) 5. Formulate strategies for active participation in financial activities within healthcare settings and within other larger systems that influence the distribution of fiscal resources. (DNP Essential II, III, IV, V, VI, VIII)	Financial Management Frameworks Organization, Systems, and Economic Theories Healthcare Environment – providers, payers, policy Systems of reimbursement Nurse Leadership in Healthcare Organizations Evidence-based models of practice Planning and Control Budgeting Concepts Cost Analysis-determining care costs, cost benefit and cost effectiveness analysis Operating-revenue-and performance budgeting Benchmarking Strategic planning Managing Financial Resources and Financial Leadership Short term and Long term Resources and Debt Sources Use of computers in Financial Management Forecasting and Decision Making Marketing Role as Policymaker for Financing and Regulation

NURS 6244 Specialty Practice Clinical IV

Pre/Co Requisite – Completion of NURS 6224 Specialty Practice Clinical III.

Course Description	Course Outcomes	Content Outline
Allows for the continuation of specialty role development and a more refined and advanced approach to care delivery, systems thinking, and leadership. Allows for the total number of practice hours required for certification and/or degree.	1. Practice an advanced level of nursing through integration of knowledge from nursing, ethics, and the biophysical, analytical, and organizational sciences. (DNP Essential I, II, III, IV, VI, VII, VIII) 2. Demonstrate leadership through the development and evaluation of healthcare delivery approaches that ensure quality and safety. (DNP Essential II, III, IV, V, VI, VII, VIII) 3. Provide for continuity of care through collaboration and effective communication. (DNP Essential II, VI, VII, VIII) 4. Manage a full case load within selected specialty practice; OR function as a clinical practice specialist/consultant in an advanced practice setting. (DNP Essential II, III, V, VI, VII, VIII) 5. Initiate appropriate and timely consultation and/or referral when the health problem exceeds the scope of practice and/or expertise of the advance practice nurse. (DNP Essential I, II, VI, VII, VIII) 6. Lead a team to incorporate evidence-based practices, products, and technology into clinical practice and policy development. (DNP Essential II, III, IV, VI, VIII) 7. Use evidence-based criteria to evaluate client outcomes through synthesis of previous data derived from on-going assessment of client information. (DNP Essential III, VIII) 8. Evaluate diagnostic and therapeutic interventions with concern for safety, cost, invasiveness, acceptability, simplicity and effectiveness. (DNP Essential II, III, IV, V, VI, VII, VIII)	Clinical expectations and experiences are based on approved clinical objectives. These personal, individualized objectives are formulated by the student and faculty, in collaboration with the preceptor.

NURS 6263 Organization Management and Systems Leadership		
Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.		
Course Description	**Course Outcomes**	**Content Outline**

Facilitates understanding of how to lead, advocate, and manage innovative responses to organizational needs and challenges. Emphasizes development and evaluation of care delivery models that meet the needs of targeted patient populations by enhancing accountability for effective and efficient healthcare, quality improvement, and patient safety.	1. Develop and evaluate leadership strategies needed to ensure quality health care and patient safety (DNP Essential II, III)
	
	2. Incorporate consultative and leadership skills with intra-professional and inter-professional teams to create change (DNP Essential II, IV, VI)
	
	3. Synthesize principles of business, finance, economics, and health policy to plan and initiate effective change for practice-level and/or system-wide care delivery. (DNP Essential I, II, IV, V, VI)
	
	4. Develop and/or evaluate effective strategies for managing the ethical dilemmas inherent in patient care, health care organizations, and research. (DNP Essential I, II, IV, V, VI, VIII)
		Theoretical Foundation
		   Theories of leadership
		   Organizational theories
		   Change theories
		Transformational Leadership
		Consultative Role of DNP
		Managing Change and Conflict
		Managing Ethical Dilemmas
		Care Delivery, Practice, and Management Models
		Resource Allocation

NURS 628V (3-4): Specialty Practice Clinical V.		
Pre/Co Requisites – Completion of 6244 Specialty Practice Clinical IV		
Course Description		**Content Outline**
Allows for the continuation of specialty role development and a more refined and advanced approach to care delivery, systems thinking, and leadership. Allows for the total number of practice hours required for certification and/or degree.	1. Practice an advanced level of nursing through integration of knowledge from nursing, ethics, and the biophysical, analytical, and organizational sciences. (DNP Essential I, II, III, IV, VI, VII, VIII) 2. Demonstrate leadership through the development and evaluation of healthcare delivery approaches that ensure quality and safety. (DNP Essential II, III, IV, V, VI, VII, VIII) 3. Provide for continuity of care through collaboration and effective communication. (DNP Essential II, VI, VII, VIII) 4. Manage a full case load within selected specialty practice; OR function as a clinical practice specialist/consultant in an advanced practice setting. (DNP Essential II, III, V, VI, VII, VIII) 5. Initiate appropriate and timely consultation and/or referral when the health problem exceeds the scope of practice and/or expertise of the advance practice nurse. (DNP Essential I, II, VI, VII, VIII) 6. Lead a team to incorporate evidence-based practices, products, and technology into clinical practice and policy development. (DNP Essential II, III, IV, VI, VIII) 7. Use evidence-based criteria to evaluate client outcomes through synthesis of previous data derived from on-going assessment of client information. (DNP Essential III, VIII) **8.** Evaluate diagnostic and therapeutic interventions with concern for safety, cost, invasiveness, acceptability, simplicity and effectiveness. (DNP Essential II, III, IV, V, VI, VII, VIII)	Clinical expectations and experiences are based on approved clinical objectives. These personal, individualized objectives are formulated by the student and faculty, in collaboration with the preceptor.

NURS 6613 Epidemiology

Pre/Co Requisites – Admission to the graduate program or by permission of the instructor.

Course Description	Course Outcomes	Content Outline
Focuses on principles and methods of epidemiology used to assess determinants, distribution, and deterrents of disease in populations. Includes conceptual and analytical skills required to measure risk, incidence, and prevalence of morbidity and mortality and its impact on healthcare delivery.	1. Apply principles of epidemiology to healthcare situations. (DNP Essential I, III, VII) 2. Analyze surveillance investigational findings using biostatistical methods. (DNP Essential III) 3. Analyze factors influencing diverse population health problems and their implications for health care delivery. (DNP Essential II, V, VII) 4. Use epidemiologic data to identify healthcare issues. (DNP Essential III, VII) 5. Evaluate population based data utilizing biostatistical principles and methods. (DNP Essential III, VI) 6. Apply epidemiologic methods to the population of research project. (DNP Essential III, VIII)	Role of epidemiology and statistics in healthcare Epidemiologic measurements Epidemiologic applications Epidemiologic research Nursing resources for epidemiology Identification of healthcare issues Ethical and legal issues in epidemiology

NURS 7113 Capstone Seminar I
Pre/Co Requisite – Completion of NURS 6224 and/or permission of the instructor. Concurrent enrollment in NURS 7122.

Course Description	Course Outcomes	Content Outline
Designed to unify and organize the student's field of inquiry for the final Capstone Project. Emphasis is on the application of an evidence-based intervention suitable to their area of focus that involves appropriate methodology and application with the goal for change in practice or outcome analysis.	1. Articulate the summative data supporting the existence of the problem and rationale for targeted population and setting. (DNP Essential I, III, VI, VII, VIII) 2. Prepare a comprehensive written review of the literature according to guidelines. (DNP Essential III, VIII) 3. Compose a Capstone Project proposal based on clinical evidence, best practice literature, cost-benefit analysis, and anticipated outcome measures. (DNP Essential II, III, IV, V, VI, VII, VIII)	Guidelines for comprehensive literature review Rationale for issue selection, population, and setting Development of clear problem statement Data exploration Translation of research in clinical setting Mentorship of capstone project proposal Committee structure Proposal development Articulation of summative data

NURS 7122 Capstone Implementation in Practice Setting I
Pre/Co Requisites – Concurrent enrollment in NURS 7113 Capstone Seminar I.

Course Description	Course Outcomes	Content Outline
Provides necessary support and elements for students to begin execution of the Capstone Project in collaboration with the sponsoring site.	1. Obtain institutional and academic Institutional Review Board (IRB) or Institutional Review Committee (IRC) approval for identified Capstone Project. (DNP Essential II, III) 2. Collect data for Capstone Project using ethical principles of research. (DNP Essential III, IV, VIII) 3. Effectively communicate and collaborate with project preceptor/mentor, faculty, and healthcare professionals in the sponsoring site. (DNP Essential VI)	Clinical expectations and experiences are based on approved clinical objectives and Capstone Project proposal.

NURS 7132 Capstone Seminar II
Pre/Co Requisite – Completion of NURS 7113 and NURS 7112. Concurrent enrollment in NURS 7142.

Course Description	Course Outcomes	Content Outline
Focuses on data exploration and analysis for the organization and refinement of all aspects of Capstone Project, emphasizing implementation and evaluation of the evidence-based intervention. Allows student to finalize the scholarly written and oral report for dissemination of results.	1. Identify evidence-based practice and policy strategies to optimize care for targeted population. (DNP Essential II, III, VII) 2. Analyze the impact of the change, model, approach, process or technology on the clinical area. (DNP Essential II, III, IV, V, VII, VIII) 3. Apply ethical theories and legal standards throughout Capstone Project. (DNP Essential VIII) 4. Successfully defend the Final Capstone Project in an oral defense to committee members and course faculty. (DNP Essential VI, VII, VIII) 5. Disseminate the results of the DNP project through a manuscript suitable for publication in a refereed journal. (DNP Essential VI, VII, VIII)	Data exploration and analysis Refinement of project Impact of change Project defense Manuscript preparation

NURS 7142 Capstone Implementation in Practice Setting II
Pre/Co Requisite – Completion of NURS 7113 and NURS 7112. Concurrent enrollment in NURS 7132.

Course Description	Course Outcomes	Content Outline
Provides an avenue for students to showcase the Final Capstone Project. Allows students the opportunity to synthesize and demonstrate the ability to employ effective communication and collaboration skills, leadership roles, influence healthcare quality and safety, evaluate practice, and successfully negotiate change in healthcare delivery for individuals, families, populations, or systems.	1. Prepare and present research findings to preceptor, organization, and community in which research was conducted. (DNP Essential II, III, V, VI, VII, VIII) 2. Complete manuscript for review to a refereed advance practice nursing journal. (DNP Essential VIII) 3. Participate in organizational change necessary as a result of research findings. (DNP Essential II, III, V, VI, VII, VIII)	Clinical expectations and experiences are based on approved clinical objectives and Capstone Project proposal.

ESRM 6403: Educational Statistics and Data Processing

Course Description	Course Outcomes	Content Outline
Theory and Application of frequency, distribution, graphical methods, central tendency, variability, simple regression and correlation indexes, chi-square, sampling, and parameter estimation, and hypothesis testing. Use of the computer for the organization, reduction, and analysis of data (required for doctoral candidates). Prerequisite: EDFD 5013 or equivalent.		

Appendix K: Faculty Assignments for DNP courses

Fall	NURS 5003	Theoretical & Scientific Foundations for Nursing Practice	3 Kippenbrock
	NURS 5033	Role Development for Doctoral Nursing Practice	3 Odell
	NURS 5043	Concepts in Health Promotion & Illness Prevention in Diverse Populations	3 Barta
			9
Spring	NURS 5053	Evidence-based Practice & Innovation in Nursing	3 Kippenbrock
	NURS 5102	Advanced Health Assessment and Diagnostic Reasoning	2 Sisson
	NURS 5111	Clinical Practicum: Advanced Health Assessment	1 Sisson
	NURS 5143	Advanced Pathophysiology	3 Jarrett or Stroud
			9
Summer	NURS 6613	Epidemiology	3 Osborne
	NURS 5123	Pharmacotherapeutics for Advanced Practice Nursing	3 Jarrett or Agana
	NURS 5271	Clinical Practicum: Interpretive Diagnostic Reasoning	1 Jarrett or Sisson
			7
Fall	NURS 5523	Healthcare Informatics for Doctoral Nursing Practice	3 new
	NURS 5263	Chronic Health Problems in Adult & Geriatric Populations	3 new
	NURS 5243	Adult-Geriatric (Chronic) Clinical I	3 Odell
			9
Spring	NURS 6123	Evaluation Methods & Translational Research for Evidence Based Practice	3 Jean-Louis
	NURS 5254	Acute & Critical Illness in Adult & Geriatric Populations	4 Jarrett or Stroud
	NURS 5225	Adult-Geriatric (Acute/Critical) Clinical II	5 Odell
			12

Summer	NURS 5063	Health Care Policy	3 Miller
	NURS 6012	*Specialty Development for CNS *or*	2 Odell
	NURS 6112	*Specialty Development for ACNP *or*	2 Stroud
	NURS 622V	Specialty Practice Clinical III	5 Odell
			10
Fall	NURS 624V	Specialty Practice Clinical IV	3 Odell
	NURS 6663	Principles of Genetics in Healthcare [++]	3 new
	NURS 7115	Capstone Seminar I	5 new
	NURS 7121	Research Implementation in Practice Setting I	1 Smith-Blair
			9-12
Spring	NURS 6263	Organizational Management & Systems Leadership	3 new
	NURS 6233	Healthcare Economics & Finance for Doctoral Nursing Practice	3 new
	NURS 7135	Capstone Seminar II	5 new
	NURS 7141	Research Implementation in Practice Setting II	1 Smith-Blair
			12

Total credits = 80-83   **Clinical Hours = 1020**

*Students to enroll in ONE of the specialty development courses based upon their desired area of certification.
[++]NURS 6663 is required for NP students only.

Appendix L

Ellen Odell, RN, DNP
University of Arkansas
Eleanor Mann School of Nursing
606 N. Razorback Road, #244
Fayetteville, Arkansas 72701

July 10, 2012

Dear Recipient:

The changing demands of this nation's complex healthcare environment require the highest level of scientific knowledge and practice expertise to assure quality patient outcomes. Nursing is moving in the direction of other health professions in the transition to the Doctorate of Nursing Practice (DNP). Medicine (MD), Dentistry (DDS), Pharmacy (PharmD), Psychology (PsyD), Optometrists (DO), Physical Therapy (DPT), and Audiology (AudD) all offer practice doctorates.

The American Association of Colleges of Nursing (AACN) called for moving the current level of preparation necessary for advanced nursing practice from the master's degree to the doctorate-level by the year 2015. The DNP is a practice-focused terminal degree that prepares graduates to practice at the highest level in specialty practice or to assume leadership positions in health care.

Currently, the state of Arkansas does not have a DNP program. The Eleanor Mann School of Nursing at the University of Arkansas would like your input about your needs for doctorate-prepared nurse practitioners (DNP). You are being asked to participate in a Needs Assessment to determine the feasibility of this type of nursing program in Arkansas. Your input is valuable. Participation is voluntary and all information collected will be kept confidential to the extent by law and University policy. Results of this survey will be used as de-identified group data only. **Please complete the survey by July 30, 2012.**

You may complete the survey by either filling out, by hand, the enclosed survey form; or you may access an electronic version of the tool at globalcampus.uark.edu/nursing/Employer_Needs_Survey **If you choose to complete the survey electronically, you will still need to print off the survey and return it in the self-addressed envelope that is enclosed.**

If you have questions or concerns about this study, you may contact Dr. Ellen Odell at (479) 575-5875 or by e-mail at eodell@uark.edu   For questions or concerns about your rights as a research participant, please contact Ro Windwalker, the University's IRB Coordinator, at (479) 575-2208 or by e-mail at irb@uark.edu

Sincerely,

Ellen Odell, RN, DNP
Assistant Professor
Eleanor Mann School of Nursing