



SAN JUAN BAUTISTA SCHOOL OF MEDICINE

1978

Course description – Complete Syllabus

Code	Course description	Credits
NUR 701	<p>Epidemiology, Health Promotion and Disease Prevention across the lifespan of the Adult- Gerontology population</p> <p>This course offers an advanced overview of selected epidemiologic concepts applicable to advanced nursing practice. The course includes health promotion and prevention concepts related the individual and societal influences on the care of adolescents, adults and elderly. Will analyze different theories of the development of the human being and applied epidemiologic concepts to the advanced practice, health promotion and illnesses prevention strategies. Critical analysis of population- based – factors that impact personal health and care including health disparities, their synthesis with health behavior theories and the evidence -base strategies to change behavior and improved outcomes. The course also includes the discussion of normal screening test in physical and psychological health and significant issues affecting care of adolescent, adult and older adults and their families at the global and national level are discussed.</p>	3
NUR 702	<p>Advance Pathophysiology</p> <p>This course will integrate advanced physiology with pathophysiology and clinical implications across lifespan of adult geriatric population. The students analyze the interrelationship and interdependencies of the Pathophysiology concepts that produce alterations in the functioning of the human beings through the lifespan. Understanding pathophysiology guides advanced practice nurses in the planning, selection and evaluation of therapies and treatment. Organ systems function and dysfunction from the level of the cell through integrated</p>	3

	<p>organ levels will be presented, and the genetic basis of disease will be discussed. Recent scientific advances will be discussed with application to new approaches to disease and symptom management. The interrelationships between physiology, clinical pathophysiology, and genetics are emphasized through lecture and case studies. The content of this course includes: the study of the cell, genetic alternation, cancer and the pathophysiology of the following systems: ENT, pulmonary, renal, immunology, hematological, cardiology, neurology, endocrine, digestive, and the multiple organic dysfunction syndrome.</p>	
NUR 703	<p>Biostatistics for Advance Practice DNP Nurses</p> <p>This course will focus on understanding and interpreting commonly used statistical techniques reported in the research literature of the health professions. Emphasizes the development of competency in terminology, concepts, and correct uses and interpretation of biostatistics by the advanced practice nurse to include assessing the quality of observed data and collecting quality data. The use of biostatistics for research and evidence-based practice projects is highlighted and the intersection of biostatistics and epidemiology is explored. Exercises include critical appraisal of research methods and practical application of statistical software packages.</p>	3
NUR 704	<p>Nursing Theories for Advance Practice DNP Nurses</p> <p>In this course students explore and consider theories from nursing and related disciplines. Emphasis is placed on the role of theory to guide practice and care improvement. This course is a foundation for the advanced practice nurse to choose and use theories.</p>	3
NUR 705	<p>Advanced Physical Exam</p> <p>This course combines didactic and laboratory experiences to provide the advanced practice nurse student the opportunity to develop the knowledge and technical skills necessary to perform advance physical assessment and examination on the adult/geriatric client. The advanced practitioner utilizes comprehensive physical, psychosocial, and cultural assessment in the adult/geriatric client to gather specific data relevant to common health problems and a differential diagnosis of common health complaints is demonstrated. Faculty and preceptors facilitate laboratory and clinical experiences, which focus on assessment of clients and presentation of findings in a variety of settings. Provider-patient interaction, data collection, and hypothesis formulation are emphasized. All participants engage in actual 30</p>	3

	hours of clinical practice with standardized patients, fellow students and/or models, and consenting patients.	
NUR 706	<p>Health Policies and Advocacy for DNP Nurses</p> <p>In this course, students examine economic, cultural, financial, and political factors influencing the delivery of healthcare, and consider policy reform through legal, regulatory, ethical, societal, and organizational contexts. They examine the political and policy process, including agenda setting, stakeholder analysis, and application of policy analysis frameworks. Students also explore the importance of interprofessional collaboration in improving health outcomes through the policy process and advocacy for development and implementation of nursing and healthcare policies in organizations at the local, state, national, and international levels. Students will have the opportunity to design new innovative strategies that may influence the direction of the public policy to improve the addressing and quality of the health care and advanced practice of nursing. Students also will engage in written analyses through which they develop new policies and/or critically evaluate existing policies through policy analysis frameworks.</p>	3
NUR 707	<p>Diagnostic test for Advanced Practice Nurses.</p> <p>On this course students will develop advanced practice proficiency in the ordering, analysis and interpretation of appropriate diagnostic tests related to primary care for accurate diagnosis, treatment and referral. Knowledge of clinical decision making will be discussed. This includes comprehension of important pathophysiologic, epidemiological, psychosocial and clinical management concepts that will help the AGNP to determine which diagnostic tests are indicated given the patient's clinical presentation. Discussion and practice of proper specimen collection, handling of specimens, appropriate use of diagnostic tests, accurate interpretation of test results with an appreciation of sensitivity and specificity of the particular test and appreciation of time factors that influence availability and interpretation of test results will also be included. Will focuses on development of critical thinking skills to address health care problems of adults across the lifespan, with an emphasis on young, middle-aged and older adults, develop differential problem-solving skills and determine appropriate management interventions.</p>	2
NUR 708	Informatic/technology for Advanced Practice DNP Nurses	3

	<p>This course provides an overview of informatics, the transformation of data into information, knowledge, decisions and actions to promote safe, quality and cost- effective safe care. Knowledge management to support evidence-based practice will be a critical skill. Student application of course content within clinical practice is emphasized. Major topics include; database structure and management, systemic searching skills, eHealth tools for patients, electronic health records, healthcare analytics and security and privacy practices for electronic health information.</p>	
NUR 709	<p>Health Care Safety and Quality Improvement for DNP Nurses</p> <p>This course prepares students to design, implement and evaluates quality health care clinical evidence base practices to improved health care services. Advanced concepts in collaboration, design, and leadership, as they relate to the implementation and evaluation of quality improvement initiatives is included. Working as partners in interdisciplinary teams, students will assess organizational culture, gather safety information, analyze data and translate findings into systems changes through action learning experiences within their own organizations. The quality course includes a practicum immersion in which students, under the supervision of a community agency mentor and course faculty, conduct an in-depth assessment of an agency and its community population. This assessment, coupled with contextual evidence, leads to the identification of potential projects to enhance service delivery within the community agency that will likely improve the quality of health care services for populations at risk. Emphasis is placed on leadership skills with interprofessional teams to create change in health care and complex healthcare delivery systems.</p>	3
NUR 710	<p>Advanced Pharmacology</p> <p>This course provides for discussion of the basic principles advanced Pharmacology including pharmacokinetics and pharmacodynamic of medications class. Advanced principles of clinical pharmacology and therapeutics are applied to the nursing care of individuals across the adult-geriatric life-stage spectrum. This course gives to the students the opportunity to analyze the</p>	3

	<p>categories of medications that are being used to treat illnesses and determine if they are accomplishing their purpose (evidence based). It focuses on the content and knowledge employed by the advanced Practice registered nurse in the management of various conditions and disease states. The advanced pharmacology and therapeutics of several common diseases or conditions found in the acute care and\ primary care setting is presented.</p>	
NUR 711	<p>Differential Diagnosis for AGNP</p> <p>In this course the student will master content regarding formulating differential diagnoses of individuals within the primary care setting, along with an introduction to critical reasoning and diagnostic skills to cultivate evidence-based behaviors. An emphasis will be placed on processing patient information in a logical, progressive manner and formulating differential diagnoses for adolescents, adults, older adults in a practicum experience in a precepted primary care setting. The management of common acute and chronic health conditions will include evidence based primary preventions interventions, drug and treatment therapeutics and referral to other providers. Students have the opportunity to build on previously acquired skills and to apply concepts of primary care to manage the health problems of adults across the lifespan.</p>	3
NUR 712	<p>Adult- Gerontology Primary Care I – Young Adult</p> <p>This course the students will be able to management and evaluation of primary care problems young adults in a variety of ambulatory and occupational settings. Opportunity to implement the role of the nurse practitioner with young adults and their families in the community. Interdisciplinary experiences will be pursued & collaborative practice emphasized. Students are expected to assess and begin to manage common chronic health problems in consultation with the appropriate provider of care. The initiation of health promotion & health maintenance activities with individuals and groups is stressed. Includes 16 hours per week of clinical experience with a preceptor. This course is aimed to develop advanced practice students in the management of acute and chronic conditions in in the young adult/geriatric client. Throughout this course students will analyze theories and research related to developmental changes and stability in</p>	5

	<p>young adulthood, as well as personality, cognition, and adaptation to changes in this stage. A bio-psychosocial perspective will provide a framework for understanding the multiple influences in young adult stage of development. The educational approach will be aimed in the management of the Nurse Practitioner as a primary provider to achieve the client's bio-psychosocial wellness, health promotion and disease prevention in addition to the treatment of acute and chronic diseases. This course provides an overview of the development knowledge based in the areas of biology, physiological, emotional and social which disrupt the aging process. Throughout this course, concepts of disease prevalence in the young adult and treatment regimen will be integrated. Throughout this course, topics such as pathophysiology, pharmacology, and advanced physical assessment will be integrated to achieve clinical management by the Nurse Practitioner as a primary provider. In this course, therapeutic communication strategies and patient/client education will also be discussed and the development of differential diagnoses, application of diagnostic reasoning and formulation, implementation, evaluation and modification of individualized plans of care including pharmacological and non-pharmacological modalities. Development of advanced clinical competencies and clinical decision-making abilities about adults across the age continuum is emphasize.</p>	
<p>NUR 713</p>	<p>Pharmacology for AGNP</p> <p>This course is designed to provide clinical application of the pharmacology and pharmacotherapeutics of common conditions and diseases across the adult gerontology lifespan population encountered by the advanced practice nurse in primary care. The role of pharmacokinetics and pharmacodynamics will be applied. Emphasis is on the development of client-centered prescriptive decisions within the context of outcomes, safety, quality and costs.</p> <p>Pre-requisites NUR 710: Advanced Pharmacology</p>	<p>3</p>
<p>NUR 714</p>	<p>Adult -Gerontology Primary Care II- Middle Age Adult</p> <p>This course is designed to present an orientation to the advanced practice students focused on the care of the middle-aged adults/geriatric client. This course will provide an introduction to advanced theories and research related to developmental changes and stability in middle, adulthood, as well as gender issues, personality, cognition, and adaptation. A biopsychosocial perspective will provide a framework for understanding the multiple influences on middle adult development. The course emphasizes wellness, illness prevention, assessment, diagnosis, management and treatment of</p>	<p>5</p>

	<p>chronic and acute diseases and complex health problems in the middle adult/geriatric client in the primary care settings. The theories and concepts of aging, the physiologic changes and problems associated with the process of aging will be discussed. This introductory course provides an overview of the biology, sociology and psychology of aging and the resources available to the aged. Integrated throughout the course are concepts relating to illness prevalent in the middle age geriatric population. Students apply critical thinking and evidence-based clinical decision-making competencies to formulate comprehensive differential diagnoses and develop management plans with outcome criteria for middle aged adult clients and their families. Students combine the advanced practice roles of clinician, educator, advocate, and leader to design and evaluate therapeutic interventions that utilize a variety of treatment modalities. Concepts include health promotion, disease prevention, collaboration, cultural competency, health policy and ethical issues. Individual, family and community health needs are evaluated utilizing a population focused on middle aged adults. Clinical experiences in acute care settings provide the student with opportunities to refine history and physical examination techniques, diagnostic reasoning, formulation, implementation, evaluation and modification of individualized management plans. Specific attention is given to the unique presentation of syndromes and constellation of symptoms that may be typical or atypical presentation of complex acute, critical and chronic illness in middle aged adults. Facilitating transition of patients at varying life stages through the complex health care system is encouraged exploring the multiple governmental, social and personal resources available to acutely ill adults across the age continuum. The application of advanced nursing, medical and biopsychosocial knowledge in the management of patients and the collaboration between the nurse practitioner and the patient, family and interprofessional healthcare team are emphasized.</p> <p>The course includes 16 hours per week of clinical experience with a Preceptor.</p> <p>Pre-requisites: Adult -Gerontology Primary Care I</p>	
NUR 715	<p>Bioethics for Advanced Practices DNP Nurses</p> <p>This course will explore bioethical concepts that impact advanced nursing practice. Students will focus on ethical concepts as they apply to DNP-prepared nurses. Conceptual, factual, and normative issues will be explored to provide a framework within which arguments of biomedical ethics are formulated, analyzed, and defended. Analysis of</p>	3

	leadership roles for DNP-prepared nurses within the context of ethics and utilization of healthcare resources are explored.	
NUR 716	<p>Adult Gerontology Primary care III – Older Age / Gerontology</p> <p>This course is aimed to develop advanced practice students with a specialty in nurse practitioner in the management of acute and chronic conditions in individuals in the adult-geriatric client. Throughout this course students will analyze theories and research related to developmental changes and stability in adult-geriatric clients, as well as personality, cognition, and adaptation to changes in this stage. A biopsychosocial perspective will provide a framework for understanding the multiple influences on elderly development. The educational approach will be aimed at the performance of nurse practitioners as a primary provider to achieve the client's bio-psychosocial wellness, health promotion and disease prevention in addition to the treatment of acute and chronic diseases. The theories and concepts of aging, the physiologic changes and problems associated with the process of aging will be discussed. This course provides an overview of the biology, sociology and psychology of aging and the resources available to the aged. Additionally, the student will be integrating knowledge acquired in other courses of this curriculum such as pathophysiology, pharmacology, advanced physical assessment to achieve quality and cost- effective clinical management of patients by the nurse practitioner as primary provider. In this course also will be discussed therapeutic communication, critical thinking strategies, and patient/client education.</p> <p>Pre-requisites: Adult -Gerontology Primary Care I and II</p> <p>This course includes 15 hours per week of clinical experience with preceptor.</p>	5
NUR 717	<p>Evidence Based Practice Research for DNP</p> <p>Course focuses on discussion of and assignments to plan, implement, evaluate and disseminate an independent, evidence based scholarly project focusing on problems of practice within a specific population. Students will synthesize concepts from multi-discipline theories (e.g., nursing, biophysical, psychosocial, cultural, education, organizational, leadership, and economic) in the development of evidence-based nursing practice. Students will identify the desired theory, application model, and outcomes for their scholarly evidence-based practice project and will work and complete their evidence based capstone project proposal.</p>	3

NUR 718	<p>Leadership and Innovation for DNP Nurses</p> <p>This course will provide the tools to help new nurses leaders to keeps an organization competitive, adaptive to change and making decisions effectively. Nurse leaders are looking for new ways to innovate and transform, being challenged to influence quality, design new care delivery models, and create workplaces that empower nurses to advance new ideas that lead to innovation. Examination of leadership development to maximize innovation and positive organizational impact with an exploration of own leadership development.</p>	3
NUR 719	<p>Evidence Based Practice Research Capstone Project for DNP</p> <p>The course focuses on the development of the final capstone project. Students will complete the analysis of derived project data, evaluation of project objectives and sustainability of the capstone project. Students with complete a comprehensive report consisting of described the project, implementation, evaluation results, and dissemination of findings</p> <p>Pre-requisites: NUR 717: Evidence Based Practice Research</p>	3
NUR 720	<p>DNP Immersion- Interprofessional Collaboration Residency I</p> <p>The focus of this course is the integration of theoretical and clinical knowledge for the adult/ gerontological nurse practitioner role. Also, synthesis knowledge and practice experiences were designed to help students achieve essential and specialty components of the DNP role. Students have a greater clinical experience in number of patients and variety while collaborating with other health care providers in a selected practice setting. The student will continue to apply and refine knowledge and skills previously learned and continue to develop competencies as adult gerontological nurse practitioner. Students, with faculty assistance, will select a mentor/preceptor(s) with whom they will work with to complete these two final DNP immersion practicums. The practicum setting and clinical preceptor must be approved prior to beginning the practicum experiences. The preceptor(s) should be an expert in the field of practice. Weekly seminars will be held with course faculty to discuss case studies and clinical experience. The student must complete 250 clinical hours during the course.</p>	6
NUR 721	<p>AGNP Certification Exam Review and Mock Exam</p>	2

	<p>Exams provide candidates an opportunity to familiarize themselves with the format of the test questions on the AGNP Certification Examination. It is important to note that performance on the practice examination is not a predictor of whether a candidate will pass or fail AGNP competency-based certification examination, but pass AGNP MOCK exam will be required to all students in order to complete the DNP preparation.</p>	
NUR 722	<p>DNP Immersion -Interprofessional Collaboration Residency II</p> <p>The purpose of this course is to bring to students the opportunity to continuum the integration of theoretical and clinical knowledge for the adult/ gerontological nurse practitioner. Also, synthesis knowledge and practice experiences were designed to help students achieve essential and specialty components of the DNP role. Students have a greater clinical experience in number of patients and variety while collaborating with other health care providers in a selected practice setting. The student will continue to apply and refine knowledge and skills previously learned and continue to develop competencies as adult gerontological nurse practitioner. Students, with faculty assistance, will select a mentor/preceptor(s) with whom they will work with to complete these two final DNP immersion practicums. The practicum setting and clinical preceptor must be approved prior to beginning the practicum experiences. The preceptor(s) should be an expert in the field of practice. Weekly seminars will be held with course faculty to discuss case studies and clinical experience. The student must complete 250 clinical hours during the course in order to comply with the 1000 hours required to complete the DNP academic preparation.</p>	6
NUR 723	<p>Management of Psychiatric Issues for Non-Mental Health Clinical Providers</p> <p>The purpose of this course is expanded clinical competencies of Non-Psychiatric Mental Health Advanced Practice Nurses in assessing, evaluating, diagnosing, and treating mental health problems. This course will identify common mental health disorders seen in the primary and acute care settings including the epidemiology, etiology, risk factors and diagnostic signs/symptoms of these disorders. It will also provide clinical practice guidelines, screening tools and evidenced based treatment approaches to provide a foundation for the clinician to identify and manage common disorders within their scope of practice and setting. Students will also recognize when psychiatric consultation or specialty care is indicated. The course is designed for the non-mental health provider and builds</p>	2

		on undergraduate/graduate preparation in anatomy, physiology, biochemistry within a cultural context.	
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