

Family Nurse Practitioner (FNP) Women's Health Nurse Practitioner (WHNP)

Class of 2017

Specialty Specific Courses

Course Number: FNP604

Course Title: Advanced Diagnosis and Management in Obstetrics

Credits: 3

Course Description: This evidence-based course builds upon the foundational knowledge and skills acquired in basic science courses (anatomy, advanced health assessment advanced pharmacology, physiology, advanced pathophysiology), advanced practice courses (Advanced Diagnosis and Management in Adults, Pediatrics and Gynecology) and concepts of family systems into caring for women with obstetric conditions. The focus is on the principles and practice of caring for childbearing woman and their families across the ante- and post-partum periods. Recognition and management of common pregnancy complications, as well as the physical, psychological, emotional and social basis for prenatal care is examined in the context of public health. Topics include management through the antepartum period, assessment of fetal growth and development, evaluation of the family unit and teaching/coaching considerations and integration of clinical decision making to appropriately manage common obstetric conditions during the reproductive years. Management of obstetric issues unique to women in deployed, humanitarian and austere conditions are reviewed. Concurrent supervised clinical experiences enhance and ground the didactic experience.

Course Number: FNP608

Course Title: Advanced Concepts in Independent Practice

Credits: 5

Course Description: This course continues to develop NP skills in the management of complex disease processes across the life span. Student will acquire additional skills and procedures necessary to conduct advanced assessments, order and interpret diagnostic tests, develop nuanced differential diagnoses, select a primary diagnosis and manage primary care and family practice patients.

Course content and presentations are intended to enhance learning, integrate knowledge of evidence-based practice, and promote academic discussion on primary care and military issues commonly confronted by patients and their families. The major advanced practice concepts supported by this course incorporate scientific underpinnings for practice; analytical methods; use of military and health technology tools in patient care; population health, prevention and wellness services; care of patients with acute and chronic illness; and inter-professional collaboration.

Course Number: GSN707

Course Title: Integration and Application of Family Theory in Primary Care

Credits: 3

Course Description: This course is designed to integrate theories of family health and well-being with particular emphasis on the military family. Integrated throughout are concepts of family centered theories and assessment tools used for analysis and planning. Topics addressed include

problem identification, intervention planning and health promotion to optimize family function in the context of prevailing culture and population health. Content specific to military families include stress and coping, deployment separation, reintegration, and care of the wounded warrior within interdisciplinary and interprofessional teams.

Course Number: GSN708

Course Title: Advanced Diagnosis and Management in Adult Primary Care

Credits: 5

Course Description: This course prepares the student to function at a beginning level as an advanced practice nurse (APN) in a primary care setting. This course applies the nursing process, communication and assessment skills, interpretation of findings, application of laboratory diagnostic methods, development and evaluation of plans of care, and implementation of nursing strategies to promote the health of adults with common health problems. Operational readiness and deployment health care concerns are integrated throughout this course.

This course is designed to teach the student to develop his/her own problem-solving strategies for a variety of health problems presented by the adult patient. The focus of this course will be on selected minor acute and chronic diseases seen in primary care. There will be an integration and application of concepts from basic sciences, along with utilization of research findings in primary care nursing practice. Problem solving and critical thinking are emphasized throughout the course.

Course Number: GSN709

Course Title: Advanced Diagnosis and Management in Geriatric Primary Care

Credits: 1

Course Description: This course prepares the student to provide primary care for the elderly. Special focus is placed on assessing the impact of aging on physical and developmental status; adapting interventions to meet the complex needs of the individual and their family; and health promotion, health protection, disease prevention, and end-of-life planning in primary care. Current evidence will provide the basis for understanding typical and atypical development, anticipatory guidance, selected acute/chronic conditions, appropriate screening, and the promotion of self-care and independent living. Course content and presentations are intended to enhance learning, integrate knowledge of evidence-based practice, and promote academic discussion on issues commonly confronted by patients and their families.

The major advanced practice concepts supported by this course incorporate the scientific underpinnings for practice; analytical methods; use of surveillance, screening, and health technology tools in patient care; population health, prevention and wellness services; care of patients with acute and chronic illness; inter-professional collaboration and health policy issues.

Course Number: GSN712

Course Title: Primary Care of the Military Member

Credits: 3

Course Description: This course will provide students with militarily relevant primary care content which is unique within Department of Defense populations. The course will address clinically challenging primary care issues during the three phases of a military career: accession, active duty, and retirement. The student will identify, synthesize and adapt to environmental risks, deployment challenges, and account for cultural influences of providing medical care in foreign

countries. The student will adopt a population health perspective in order to provide the best care in the most austere environments while applying knowledge of planning and preparation in order to forecast support necessary to provide medical support to DoD personnel anywhere in the world.

Course Number: GSN713

Course Title: Advanced Diagnosis and Management in Gynecology

Credits: 2

Course Description: This course builds upon the foundational knowledge and skills acquired in basic science courses (anatomy, advanced health assessment advanced pharmacology, physiology, advanced pathophysiology) while integrating concepts of family systems into caring for women with gynecologic conditions. The focus is identification of patient problems, development of differential diagnosis and integration of clinical decision making to appropriately manage common gynecologic conditions across a woman's lifespan. Understanding what well-being means to an individual woman and how this impacts her physical, mental, emotional, and cultural health is emphasized and health promotion, preventive care, and patient education are seen as the cornerstones to improving health outcomes. Management of gynecologic issues unique to women in deployed, humanitarian and austere conditions are reviewed. Concurrent supervised clinical experiences enhance and ground the didactic experience.

Course Number: GSN714

Course Title: Advanced Diagnosis and Management in Pediatric Primary Care

Credits: 5

Course Description: This course lays the foundation for preparing the student to provide primary care for children from birth through adolescence. The course focuses on health promotion, health protection, and disease prevention in primary care. Clinical practice guidelines, didactic information and history/physical techniques will provide the basis for understanding typical and atypical development, anticipatory guidance, selected acute/chronic conditions and appropriate screening. Course content and presentations are intended to enhance learning, integrate knowledge of evidence-based practice, and promote academic discussion on primary care and military issues commonly confronted by patients and their families.

The major advanced practice concepts supported by this course incorporate the scientific underpinnings for practice; analytical methods; use of surveillance, screening, and military health technology tools in patient care; population health, prevention and wellness services; care of patients with acute and chronic illness; and inter-professional collaboration. Clinical sites are carefully chosen in order to offer primary care and specialty evaluation opportunities. This course highlights the unique aspects of caring for the military family.

Course Number: GSN717

Course Title: Drugs in Pregnancy and Lactation

Credits: 1

Course Description: This evidence-based course builds upon the foundational knowledge and skills acquired in basic science courses, advanced practice courses, pathophysiology, and pharmacology concepts in pre-conception, pregnancy, the developing fetus and during lactation. The focus is on demonstrating application of knowledge related to medications during this timeframe. This course uses case studies for the use and knowledge of teratology and fetotoxic drugs, pharmacokinetic changes during pregnancy, vitamin and mineral supplementation,

treatment of common discomforts in pregnancy, chronic disease medical management, and Integrated Medicine (IM) in the antepartum setting. In addition, patient care scenarios will utilize evidence-based therapies, resources and guidelines for successful milk support, Galactagogues, IM therapies, common medications used postpartum and their effect on the neonate. This course will prepare students to care for pregnant and lactating women in the Military Health System (MHS) and while deployed.

Course Number: GSN718

Course Title: Foundations of Independent Practice

Credits: 4

Course Description: This course provides the foundation for advanced diagnosis and management of complex disease processes across the life span. The student will learn advanced skills and procedures for assessment, diagnostic testing, diagnosis and management of primary care, while incorporating training in specialty areas.

The student will synthesize understanding of advanced health assessment, anatomy, pathophysiology, pharmacology, communication, social/environmental aspects of caring for families, and ethical/systems considerations of developing the leadership role of a Nurse Practitioner.

Course content and presentations are intended to enhance learning, integrate knowledge of evidence-based practice, and promote academic discussion on primary care and military issues commonly confronted by patients and their families. The major advanced practice concepts supported by this course incorporate the scientific underpinnings for practice; analytical methods; use of military and health technology tools in patient care; population health, prevention and wellness services; care of patients with acute and chronic illness; and inter-professional collaboration.

Course Number: GSN722

Course Title: Military Sexual Assault

Credits: 1

Course Description: This introductory course provides the foundation for students with the necessary content on the assessment and treatment of sexual assault to prepare them to function in an advanced practice registered nursing (APRN) role in the military setting. The course builds on core health assessment, physiology, and pathophysiology, and mental health diagnostic content from previous courses. The focus of this course is on the interaction between the victim (who suffered the trauma), the offender (who committed the sexual harassment/aggression), forensics (the evidence found), the outcome (the justice system), and treatment options. Students will learn to synthesize evidence-based forensic science principles, assessment of the victim and/or suspect, diagnostic consideration, reporting and legal process, and treatment of the impact of the victimization related to health risks.

The Interdisciplinary component is achieved in several ways: medical and nursing students will participate in a facilitator guided discussion of small groups involving the GSN and SOM after a Simulation Center event caring for victims and suspects. Also, interdisciplinary collaboration will be met during a Bushmaster sexual assault scenario.

Course Number: GSN801

Course Title: DNP Practicum for Nurse Practitioner Practice I

Credits: 4

Course Description: This series of three DNP clinical courses builds upon the scientific, theoretical and clinical foundations taught during the first two years of the DNP curriculum. The 3 course series focuses on transitioning students into the full scope of independent practice. At the end of the 3 semester periods, students will be prepared to apply theories, standards of practice and evidence-based research findings to the care of increasingly complex patients, populations and systems leading to improved practice and health care delivery.

In GSN 801, students will integrate and synthesize knowledge, scholarly reading, educational offerings and clinical experiences to develop an evidence-based case review specific to an **individual patient** by demonstrating their ability to appraise and present a complex clinical case. Emphasis will be placed on the continuing development of critical thinking and decision making skills necessary to individualize treatment plans and interventions to optimize patient outcomes.

Across all three courses students will be prepared to independently manage healthcare challenges ranging from straightforward to complex, while developing collaborative patient, population, and professional partnerships. They will be asked to function as a practice specialist/consultant in the resolution of clinical problems through refinement of communication, reflection and scholarly practice. While employing analytic skills to evaluate and implement evidence-based, direct and indirect patient care across a variety of healthcare settings, students will also apply principles of health policy and health care delivery systems to the care of individuals, populations and the systems in which they practice.

Course Number: GSN802

Course Title: DNP Practicum for Nurse Practitioner Practice II

Credits: 3

Course Description: This series of three DNP clinical courses builds upon the scientific, theoretical and clinical foundations taught during the first two years of the DNP curriculum. The 3 course series focuses on transitioning students into the full scope of independent practice. At the end of the 3 semester periods, students will be prepared to apply theories, standards of practice and evidence-based research findings to the care of increasingly complex patients, populations and systems leading to improved practice and health care delivery.

In GSN 802, students will develop a **population-focused** evidence review demonstrating their ability to critically appraise and synthesize the care of the population with complex clinical needs. Emphasis will be placed on expanding critical thinking and decision making skills needed to address issues unique to management of populations with complex healthcare needs.

Across all three courses students will be prepared to independently manage healthcare challenges ranging from straightforward to complex, while developing collaborative patient, population, and professional partnerships. They will be asked to function as a practice specialist/consultant in the resolution of clinical problems through refinement of communication, reflection and scholarly practice. While employing analytic skills to evaluate and implement evidence-based, direct and indirect patient care across a variety of healthcare settings, students will also apply principles of health policy and health care delivery systems to the care of individuals, populations and the systems in which they practice.

Course Number: GSN803

Course Title: DNP Practicum for Nurse Practitioner Practice III

Credits: 3

Course Description: This series of three DNP clinical courses builds upon the scientific, theoretical and clinical foundations taught during the first two years of the DNP curriculum. The 3 course series focuses on transitioning students into the full scope of independent practice. At the end of the 3 semester periods, students will be prepared to apply theories, standards of practice and evidence-based research findings to the care of increasingly complex patients, populations and systems leading to improved practice and health care delivery.

In GSN 803, students will develop an evidence-based case review demonstrating their ability to critically appraise and synthesize care of the populations typically managed using an **intra- and/or interdisciplinary approach**, for populations that may need special **support, educational, cultural, safety, economic or transitional care needs**. Emphasis will be placed on expanding leadership and communication skills critical for improving healthcare outcomes, optimizing the function of inter-professional teams and care delivery approaches.

Across all three courses students will be prepared to independently manage healthcare challenges ranging from straightforward to complex, while developing collaborative patient, population, and professional partnerships. They will be asked to function as a practice specialist/consultant in the resolution of clinical problems through refinement of communication, reflection and scholarly practice. While employing analytic skills to evaluate and implement evidence-based, direct and indirect patient care across a variety of healthcare settings, students will also apply principles of health policy and health care delivery systems to the care of individuals, populations and the systems in which they practice.

Course Number: MM04001

Course Title: Military Contingency Medicine / Bushmaster

Credits:

Course Description: Military Contingency Medicine (MM04001) is the capstone course for the four year integrated military medicine curriculum. MCM is four weeks long and features both classroom didactic teaching and the field training exercise: OPERATION BUSHMASTER. The Advanced Trauma Life Support (ATLS) course is a pre-requisite for the course and is provided by the Department of Surgery under the guidance of the American College of Surgeons during prescribed times for the School of Medicine curriculum.

MCM is structured around a simulated deployment to the notional developing country of *Pandakar*. The classroom portion of the course represents the pre-deployment work-up for the deployment and is designed to provide the opportunity for students to acquire/hone the critical knowledge, skills, and attitudes required for successful assignment and deployment as a tactical level military medical officer in their parent service. The course employs a variety of teaching methodologies ranging from lecture to small-group discussion, and applied practical exercises in order to build upon topics introduced throughout the entire four year USU military medical curriculum. Topics include, but are not limited to, military environmental medicine, applied field medicine, Health Service Support (HSS) planning, Military Decision Making, problem solving, leadership, personal and family readiness, mass casualty (MASCAL) incident preparation and response, stability operations, Tactical Combat Casualty Care (TCCC), and medical intelligence. All coursework is designed to emphasize learning objectives focused on the current operational environment.

OPERATION BUSHMASTER is a 5-day field training exercise (FTX) conducted as the capstone event of the Uniformed Services University of the Health Sciences' military unique

curriculum. During this exercise, fourth year USU medical students, Graduate School of Nursing students, and international medical students and physicians are formally evaluated on their medical knowledge and leadership abilities in a simulated, resource constrained, far forward tactical field setting. Students assume leadership and medical positions within a non-service specific battalion aid station where they are presented with operationally current, reality-based missions and operational problems for which they must plan and/or execute while simultaneously managing the medical care of simulated Disease and Non-Battle Injury (DNBI) patients, combat stress casualties, and combat trauma casualties. Faculty members formally evaluate leadership skills, medical skills, combat stress casualty care and point of injury care.

Students must pass each component of MCM to pass the course, and they must pass the course to graduate from USU. Under service guidelines, USU graduates are exempt from the Combat Casualty Care Course (C4) on the basis of having completed MCM.