

# NURSING (NRS)

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## Graduate Studies

### NRS 200AY – Quantitative Design & Data Collection in Nursing & Healthcare (3 units)

*Course Description:* Introduction to quantitative study designs, common methods for sampling, data collection, and instrument selection. Implications of various design and methods choices on causal inference, internal and external validity, and ethical considerations.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s); Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### NRS 200BY – Quantitative Research Methods in Nursing & Healthcare (3 units)

*Course Description:* Foundational approaches to describing and analyzing quantitative data. Assumptions and appropriate selection of basic descriptive and inferential statistics, and interpreting and communicating the results.

*Prerequisite(s):* NRS 200AY B- or better; or consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s); Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### NRS 200CY – Applied Quantitative Analysis in Nursing & Healthcare (3 units)

*Course Description:* Practice of quantitative data analysis. Develop research questions using quantitative methods, identify appropriate datasets, prepare data, conduct secondary analysis, and report results.

*Prerequisite(s):* NRS 200BY B- or better; or consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s); Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### NRS 201 – Health Status & Care Systems (4 units)

*Course Description:* Comparative health status data, major current health issues globally, nationally, regionally. Theoretical perspectives on social, political, economic determinants of health. Health-care systems examined, linked to data, and evaluated in regards to outcomes. Aging, rural, ethnic minority populations highlighted.

*Learning Activities:* Lecture/Discussion 3 hour(s), Discussion/Laboratory, Project.

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### NRS 202 – Implementation Science (4 units)

*Course Description:* Change processes in health care from political, historic, economic and sociologic frameworks. Historic and current examples of transformative change in the health-care system. Skills for system transformation through health policy, practice, research and education are emphasized.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### NRS 203 – Leadership in Health Care (4 units)

*Course Description:* Critical examination of leadership from a variety of theoretical and philosophical perspectives and focuses on specific challenges in health care and leadership at various levels, e.g., patient, organizational, and policy levels.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor.

*Learning Activities:* Lecture/Discussion 3 hour(s), Fieldwork.

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### NRS 204 – Research Skills for Nursing Science & Health-Care Leadership (4 units)

*Course Description:* Foundation for analyzing research, health, and systems data to answer clinical, systems, or policy questions. Use and examine multiple sources of data and information as a basis for planned change and transformation in health care.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor.

*Learning Activities:* Lecture/Discussion 3 hour(s), Discussion/Laboratory 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### NRS 205 – Research Design in Nursing & Health Care (4 units)

*Course Description:* Major types of quantitative and qualitative research design and their application to nursing and health-care research. Implications of choosing alternative research designs and critical analysis of philosophical underpinnings. Evaluation of control and validity, sampling, instruments to measure health concepts.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 205A – Overview of Research in Nursing Science & Health Care (2 units)**

*Course Description:* Provides an overview of quantitative and qualitative paradigms in scientific inquiry and the major designs related to each paradigm. First of a three-course series on research design and methods in nursing science and healthcare research.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 205B – Quantitative Research in Nursing Science & Health Care (4 units)**

*Course Description:* Introduces principles of quantitative data collection and analysis as applied to major study designs in nursing and health-care research. Provides a basic foundation for producing, interpreting, and applying quantitative research findings to answer clinical, system, and policy questions.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture 4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 205C – Qualitative Research in Nursing Science & Health Care (4 units)**

*Course Description:* Introduces principles of qualitative data collection and analysis as applied to major study designs in nursing and health-care research. Provides a basic foundation for producing, interpreting, and applying qualitative research findings to answer clinical, system, and policy questions.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture 4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 206 – Community Connections (2-5 units)**

*Course Description:* Community-based learning and experiences including community participation, assessment, data collection and analysis using multiple approaches, community health improvement projects, collaborative leadership practice, all with the guidance of community members and nursing faculty.

*Learning Activities:* Variable 6 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated.

*Grade Mode:* Satisfactory/Unsatisfactory only.

### **NRS 207AY – Introduction to Qualitative Design in Nursing & Healthcare (3 units)**

*Course Description:* Introduction to qualitative principles, epistemology, grounded theory, ethnography, and phenomenology.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s); Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 207BY – Intermediate Qualitative Research Methods in Nursing & Healthcare (3 units)**

*Course Description:* Ways to frame qualitative research questions. Data to address important knowledge gaps in the health sciences. Interactive exercises for considering independent research.

*Prerequisite(s):* NRS 207AY B- or better; or consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s); Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to students enrolled in Nursing Science & Health-Care Leadership graduate program; or consent of instructor.

*Grade Mode:* Letter.

### **NRS 207CY – Advanced Qualitative Research Methods in Nursing & Healthcare (3 units)**

*Course Description:* Practice of qualitative research. Select design, data collection and analytical techniques.

*Prerequisite(s):* NRS 207BY B- or better; or consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s); Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 208AY – Philosophy of Science & History of PhD/ Nursing Science (3 units)**

*Course Description:* Introduction to thinking like a scientist, history of nursing research and philosophy of science. Debates about scientific research that coincided with the founding of Nursing Science in the middle of the 20th century.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 208BY – Logic & Scientific Inference (3 units)**

*Course Description:* Concepts used in scientific research, critical thinking skills to examine the association between concepts and empirical evidence. Identifying new concepts that can be the analytic foundations of new research questions.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 208CY – Theoretical & Conceptual Frameworks in Nursing & Healthcare (3 units)**

*Course Description:* Applied approach to introduce common theoretical and conceptual frameworks used in nursing and health sciences.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 209Y – Research Methods in Health Informatics (3 units)**

*Course Description:* Introduction to empirical methods applicable to health informatics. Delineates planning, development and evaluation in health informatics research.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 210Y – Applied Health Informatics (4 units)**

*Course Description:* Within the conceptual framework of the Foundation of Knowledge model, integrates nursing science, information science, computer science and cognitive science to acquire, process, generate and disseminate knowledge.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s), Web Virtual Lecture 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 211Y – Rural Health (2-3 units)**

*Course Description:* Interprofessional graduate course provides an introduction to rural health theory, research, policy, and practice, with an emphasis on rural health assets and disparities.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Fieldwork 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 212 – Technology & Innovations in Health Care (2 units)**

*Course Description:* Multidisciplinary approach to stimulate new thinking in the practice, process, and delivery of health care. Focus on improving overall health outcomes.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 213 – Race & Health in the United States (3 units)**

*Course Description:* Race as a social construct and unequal health care distribution in the United States. Practical health care leadership to end racial inequalities in health.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Seminar 7.50 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 215Y – Leadership in Nursing & Healthcare Research (3 units)**

*Course Description:* Healthcare leadership from a variety of theoretical and philosophical perspectives and specific challenges at various healthcare levels, e.g., patient, organizational, and policy levels.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 220 – Social, Cultural, & Behavioral Determinants of Health (3 units)**

*Course Description:* Effects of globalization, political systems, local and global economies, culture, race, class, gender, and sexuality on population health.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 221 – Biophysical Concepts in Nursing (3 units)**

*Course Description:* Pathophysiological processes that contribute to different disease states across the lifespan; case studies; selective clinical decisions using current, reliable sources of pathophysiology information.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 222A – Research Quality Improvement & Evidence Based Practice (2 units)**

*Course Description:* Introduction to providing safe, competent and compassionate care in a highly technical and digital environment. Emphasis on safety, quality and research to clinical practice. Accessing and analyzing reliable sources of evidence for integration in care-plan.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 222B – Research Quality Improvement & Evidence Based Practice (2 units)**

*Course Description:* Introduction to providing safe, competent and compassionate care in a highly technical and digital environment. Emphasis on safety, quality and research to clinical practice. Accessing and analyzing reliable sources of evidence for integration in care-plan.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 223 – Quality & Safety Education in Health Care (3 units)**

*Course Description:* Implementing best practices alongside technological tools and continuous quality improvement. Providing safe, competent care in a highly technical and digital environment. Building capacity to apply concepts related to safety, quality and research to clinical practice.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 224 – Developing Future Nurse Leaders (3 units)**

*Course Description:* Effective decision-making, fiscal and environmental stewardship, initiating and maintaining effective working relationships, mutually respectful communication and collaboration, care coordination, delegation and supervision. Conflict resolution, leadership and interprofessional teamwork.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 225 – Professional Nursing Role Formation (3 units)**

*Course Description:* Transition from nursing student to professional nurse. Focus on ethical comportment, professional values of social justice, autonomy, advocacy, altruism, human dignity, and integrity. Students must pass a mastery exit examination and complete a capstone project.

*Prerequisite(s):* NRS 202; NRS 203; NRS 212; NRS 220; NRS 221; NRS 222A; NRS 222B; NRS 223; NRS 224; NRS 272; NRS 273; NRS 420; NRS 421; NRS 422; NRS 423; NRS 424; NRS 425; NRS 426; NRS 427; NRS 429A; NRS 429B; NRS 429C; NRS 429D; NRS 429E; consent of instructor.

*Learning Activities:* Lecture/Discussion 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 233V – Leadership & Innovation in Healthcare (3 units)**

*Course Description:* Critical examination of leadership from a variety of theoretical and philosophical perspectives. Specific challenges in health care and leadership at various levels; e.g., patient, organizational, and policy levels.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Credit Limitation(s):* No credit to students who have previously completed NRS 203.

*Grade Mode:* Letter.

### **NRS 234V – Research & Evidence-Based Practice for Healthcare (3 units)**

*Course Description:* Foundation for doctoral-level RNs to analyze research, health, and systems data to answer clinical, systems, or policy questions. Use and examine multiple sources of data and information as a basis for planned change and transformation in health care.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Credit Limitation(s):* No credit to students who have previously completed NRS 204.

*Grade Mode:* Letter.

### **NRS 240V – Applied Health Informatics (3 units)**

*Course Description:* Foundational knowledge about the health informatics field and practical applications that health professionals are likely to encounter in practice or in development and management of health programs.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Credit Limitation(s):* No credit to students who have previously completed NRS 210Y.

*Grade Mode:* Letter.

### **NRS 242A – Implementation Science for Clinicians (2 units)**

*Course Description:* Focuses on identification of relevant research or improvement questions specific to patient care and evaluating the pertinent research literature related to the implementation of evidence based care. First of a three-course series.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 242B – Implementation Science for Clinicians (2 units)**

*Course Description:* Continuation of NRS 242A. Implementation Science for Clinicians, with a focus on implementing and evaluating a change.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 242C – Implementation Science for Clinicians (2 units)**

*Course Description:* Advanced skills in application of implementation science into systems based practice and incorporating quality improvement and patient safety knowledge with particular focus on prevention of medical errors.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 243A – Leadership in Professional Practice (2 units)**

*Course Description:* Critical examination of leadership using theoretical and philosophical perspectives with an applied approach applicable to clinical practice. Three-course series conducted across the first, third and eighth quarters.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 243B – Leadership in Professional Practice (1 unit)**

*Course Description:* Introduces professional role topics including history of the profession, the role in interprofessional teams and the health care system, transitioning to the role from other health professions, scope of practice, certification and licensure and professional organizations.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 243C – Leadership in Professional Practice (1 unit)**

*Course Description:* Expands upon the leadership role as it relates to their clinical practice and professional role. Professional role topics including: transitioning from student to practicing professional, scope of practice, the physician relationship, and more advanced concepts in ethics.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 250 – Foundations of Primary Health Care (7 units)**

*Course Description:* Designed to promote the understanding and clinical application of human anatomy, physiology, histology, immunology and pathology.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 6 hour(s), Laboratory 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 251A – Primary Health Care (8 units)**

*Course Description:* Introduction to primary health care concepts essential to the care of common medical problems seen in primary care settings. Module content will focus on various organ systems and specialty areas.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 8 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 251B – Foundations of Primary Health Care (8 units)**

*Course Description:* Introduction to primary health care concepts essential to the care of common medical problems seen in primary care settings.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 8 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 251C – Primary Health Care (8 units)**

*Course Description:* Introduction to primary health care concepts essential to the care of common medical problems seen in primary care settings.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 8 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 251D – Primary Health Care (6 units)**

*Course Description:* Introduction to primary health care concepts essential to the care of common medical problems seen in primary care settings.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 6 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 260 – Foundations of Behavioral Health (1 unit)**

*Course Description:* Focuses on the spectrum of normal psychological development over the lifespan for children, adults and elders. Theories of stress and coping mechanism are presented as a framework for the assessment of individuals.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 270 – Foundations of Pharmacology (2 units)**

*Course Description:* Introduction to the major concepts in pharmacology and relevant human physiology related to pharmacotherapeutics and toxicology.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s), Laboratory 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 271A – Pharmacology (2 units)**

*Course Description:* Systems based pharmacology focused on classes of drugs used to treat disorders in specialty systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s), Laboratory 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 271B – Pharmacology (2 units)**

*Course Description:* Systems based pharmacology focused on classes of drugs used to treat disorders in specialty systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s), Laboratory 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 271C – Pharmacology (2 units)**

*Course Description:* Systems based pharmacology focused on classes of drugs used to treat disorders in specialty systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s), Laboratory 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in the Nursing Science and Health-Care Leadership Graduate Degree programs or by consent of instructor.

*Grade Mode:* Letter.

**NRS 272 – Foundations of Pharmacology (2 units)**

*Course Description:* Theoretical background to providing safe and effective care related to drugs and natural products.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 273 – Pharmacology Concepts in Nursing (2 units)**

*Course Description:* Application of principles for safe and effective use of medications and natural products; use of current, reliable information to make clinical decisions.

*Prerequisite(s):* NRS 221; NRS 272; NRS 420; NRS 421; consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 275V – Advanced Pharmacology I (3 units)**

*Course Description:* Principles of pharmacokinetics, pharmacodynamics, molecular pharmacology, and antimicrobial therapy. Scientific foundation for the courses that follow in pharmacology/pharmacotherapy.

*Prerequisite(s):* NRS 279V C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 276V – Advanced Pharmacology II (3 units)**

*Course Description:* Pharmacotherapeutics for common, acute and chronic health conditions across the lifespan according to specialty areas of practice. Treatments for a variety of behavioral disorders, pediatrics, and women's health to monitor the physical and behavioral approaches to pharmacological interventions.

*Prerequisite(s):* NRS 275V C or better; NRS 277V C or better; NRS 278V C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 277V – Advanced Assessment Across the Lifespan (3 units)**

*Course Description:* Advanced physical assessment skills and concepts necessary to care for patients in the context of family and community.

Thorough health history and performing a complete head to toe physical exam. Instruction and practice utilize cognitive, effective, and behavioral objectives based on five domains: patient care, clinical knowledge, communication skills, professionalism, and life-long learning.

*Prerequisite(s):* NRS 279V C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 278V – Advanced Pathophysiology (4 units)**

*Course Description:* Understanding and clinical application of human anatomy, physiology and pathophysiology. General pathophysiological concepts: cell injury, necrosis, inflammation, immunity, infection, tissue and healing processes, stress response, and neoplasia. System-based approach to human anatomy and investigated based on underlying biochemical, cellular and molecular genetic perturbations in homeostasis that result in human disease.

*Prerequisite(s):* NRS 279V C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 3 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 279V – Concepts of Behavioral Health (2 units)**

*Course Description:* Fundamentals of social and behavioral science, with a focus on theoretical underpinnings of evidence-based communication skills and interventions. Health behaviors through the lens of human development and health behavior change theory, using theories of stress and coping mechanisms and the bio-psychological model as a framework for the assessment of individual, and including the impact of social determinants of health.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 280V – Professional Practice in Health Care (2 units)**

*Course Description:* Transitions to the advanced practice health care provider role with emphasis on developing and enacting new functions; interpreting legal and professional requirements and regulations; exerting leadership; and examining the ethics, values, beliefs, and norms of decision-making in an interdisciplinary, collaborative practice.

*Prerequisite(s):* NRS 281DV C or better; NRS 282DY C or better; NRS 283DV C or better.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 281AV – APRN Family Practice A (3 units)**

*Course Description:* Primary care services to individuals and families across populations. Advanced health assessment skills to manage common patient-reported problems or conditions. Course series varies by quarter to include different populations across the lifespan.

*Prerequisite(s):* NRS 276V C or better; NRS 409Y C or better; NRS 355V C or better; consent of Instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 281BV – APRN Family Practice B (3 units)**

*Course Description:* Primary care services to individuals and families across populations. Advanced health assessment skills to manage common patient-reported problems or conditions. Course series varies by quarter to include different populations across the lifespan.

*Prerequisite(s):* NRS 281AV C or better; NRS 282AY C or better; NRS 283AV C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 281CV – APRN Family Practice C (3 units)**

*Course Description:* Primary care services to individuals and families across populations. Advanced health assessment skills to manage common patient-reported problems or conditions. Course series varies by quarter to include different populations across the lifespan.

*Prerequisite(s):* NRS 281BV C or better; NRS 282BY C or better; NRS 283BV C or better; consent of Instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 281DV – APRN Family Practice D (3 units)**

*Course Description:* Primary care services to individuals and families across populations. Advanced health assessment skills to manage common patient-reported problems or conditions. Course series varies by quarter to include different populations across the lifespan.

*Prerequisite(s):* NRS 281CV C or better; NRS 282CY C or better; NRS 283CV C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 282AY – Clinical A (5 units)**

*Course Description:* Advanced health assessment skills to manage common patient-reported problems or conditions. Integrating health maintenance and promotion along with assessment, diagnosis, and management of frequently encountered acute and chronic conditions in primary care. Course series will vary by quarter to prepare family nurse practitioners (FNPs) to deliver primary care services to individuals and families and across the lifespan.

*Prerequisite(s):* NRS 276V C or better; NRS 279V C or better; NRS 409Y C or better.

*Learning Activities:* Clinical Activity 14 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 282BY – Clinical B (5 units)**

*Course Description:* Advanced health assessment skills to manage common patient-reported problems or conditions. Integrating health maintenance and promotion along with assessment, diagnosis, and management of frequently encountered acute and chronic conditions in primary care. Course series will vary by quarter to prepare family nurse practitioners (FNPs) to deliver primary care services to individuals and families and across the lifespan.

*Prerequisite(s):* NRS 281AV C or better; NRS 282AY C or better; NRS 283AV C or better.

*Learning Activities:* Clinical Activity 14 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 282CY – Clinical C (5 units)**

*Course Description:* Advanced health assessment skills to manage common patient-reported problems or conditions. Integrating health maintenance and promotion along with assessment, diagnosis, and management of frequently encountered acute and chronic conditions in primary care. Course series will vary by quarter to prepare family nurse practitioners (FNPs) to deliver primary care services to individuals and families and across the lifespan.

*Prerequisite(s):* NRS 281BV C or better; NRS 282BY C or better; NRS 283BV C or better.

*Learning Activities:* Clinical Activity 14 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 282DY – Clinical D (5 units)**

*Course Description:* Advanced health assessment skills to manage common patient-reported problems or conditions. Integrating health maintenance and promotion along with assessment, diagnosis, and management of frequently encountered acute and chronic conditions in primary care. Course series will vary by quarter to prepare family nurse practitioners (FNPs) to deliver primary care services to individuals and families and across the lifespan.

*Prerequisite(s):* NRS 281CV C or better; NRS 282CY C or better; NRS 283CV C or better.

*Learning Activities:* Clinical Activity 14 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 282EY – Clinical E (3 units)**

*Course Description:* Advanced health assessment skills to manage common patient-reported problems or conditions. Integrating health maintenance and promotion along with assessment, diagnosis, and management of frequently encountered acute and chronic conditions in primary care. Varies by quarter to prepare family nurse practitioners (FNPs) to deliver primary care services to individuals and families and across the lifespan.

*Prerequisite(s):* NRS 281DV C or better; NRS 282DY C or better; NRS 283DV C or better; or consent of instructor.

*Learning Activities:* Clinical Activity 8 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 282FY – Clinical F (3 units)**

*Course Description:* Advanced health assessment skills to manage common patient-reported problems or conditions. Integrating health maintenance and promotion along with assessment, diagnosis, and management of frequently encountered acute and chronic conditions in primary care. Course series varies by quarter to prepare family nurse practitioners (FNPs) to deliver primary care services to individuals and families and across the lifespan.

*Prerequisite(s):* NRS 280V C or better; NRS 282EY C or better; or consent of instructor.

*Learning Activities:* Clinical Activity 3 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 283AV – Diagnostic Reasoning A (1 unit)**

*Course Description:* Diagnosis and provide appropriate and safe treatment. Synthesize clinical data across practice environments to effectively enhance clinical reasoning. Clinical cases vary by quarter.

*Prerequisite(s):* NRS 276V C or better; NRS 409Y C or better; NRS 355V C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 0.5 hour(s), Web Electronic Discussion 0.5 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 283BV – Diagnostic Reasoning B (1 unit)**

*Course Description:* Diagnosis and provide appropriate and safe treatment. Synthesize clinical data across practice environments to effectively enhance clinical reasoning. Clinical cases vary by quarter.

*Prerequisite(s):* NRS 281AV C or better; NRS 282AY C or better; NRS 283AV C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 0.5 hour(s), Web Electronic Discussion 0.5 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 283CV – Diagnostic Reasoning C (1 unit)**

*Course Description:* Diagnosis and provide appropriate and safe treatment. Synthesize clinical data across practice environments to effectively enhance clinical reasoning. Clinical cases vary by quarter.

*Prerequisite(s):* NRS 281BV C or better; NRS 282BY C or better; NRS 283BV C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 0.5 hour(s), Web Electronic Discussion 0.5 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 283DV – Diagnostic Reasoning D (1 unit)**

*Course Description:* Diagnosis and provide appropriate and safe treatment. Synthesize clinical data across practice environments to effectively enhance clinical reasoning. Clinical cases vary by quarter.

*Prerequisite(s):* NRS 281CV C or better; NRS 282CY C or better; NRS 283CV C or better; consent of instructor.

*Learning Activities:* Web Virtual Lecture 0.5 hour(s), Web Electronic Discussion 0.5 hour(s).

*Enrollment Restriction(s):* Current enrollment in the Nursing Science & Health-Care Leadership graduate program or consent of instructor.

*Grade Mode:* Letter.

**NRS 290 – Master's Seminar (2 units)**

*Course Description:* Subject varies from quarter to quarter. Current knowledge and issues relevant to one of two fields of emphasis: population health or health systems.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor.

*Learning Activities:* Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 10 time(s).

*Grade Mode:* Letter.

**NRS 291 – Doctoral Seminar (2 units)**

*Course Description:* Focus on the theory, research and knowledge relevant to one of two fields of emphasis: population health or health systems. Emphasis placed on reading, critique and synthesis of classic and cutting-edge research in nursing and health care.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor.

*Learning Activities:* Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 10 time(s).

*Grade Mode:* Letter.



**NRS 291D – Doctoral Seminar (2 units)**

*Course Description:* Focus on the theory, research and knowledge relevant to one of two fields of emphasis: population health or health systems. Emphasis placed on reading, critique and synthesis of classic and cutting-edge research in nursing and health care.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor. Enrollment Restriction(s) Open to graduate students in School of Nursing programs, or consent of instructor.

*Learning Activities:* Discussion 2 hour(s).

*Repeat Credit:* May be repeated 10 time(s).

*Grade Mode:* Satisfactory/Unsatisfactory only.

**NRS 293DY – Dissertation Seminar (2 units)**

*Course Description:* Preparation of final dissertation research. Peer review of presentation plan for dissertation results, IRB application and manuscripts in progress.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Seminar 1 hour(s), Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Current enrollment in the Nursing Science & Health-Care Leadership graduate program or consent of instructor.

*Repeat Credit:* Students are expected to take this course every quarter in year three and four in this PhD program. The topics will vary by quarter.

*Grade Mode:* Satisfactory/Unsatisfactory only.

**NRS 293Y – Proposal Development Seminar (2 units)**

*Course Description:* Reading, critique and synthesis of classic and cutting-edge research in nursing and health care.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Seminar 2 hour(s), Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* Students are expected to take this course every quarter in year one and two in this Ph.D. program; the topics will vary by quarter.

*Grade Mode:* Satisfactory/Unsatisfactory only.

**NRS 298 – Special Topics in Nursing Science & Health-Care Leadership (1-4 units)**

*Course Description:* In-depth study of topics in Nursing Science and Health-Care Leadership, selected from: policy and politics in health care, health-care disparities, current issues in health care, approaches to the conduct of science, or other related areas, with year to year variation.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor.

*Learning Activities:* Lecture/Discussion 1-2 hour(s), Variable 1-3 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Letter.

**NRS 298V – Online Special Topics in Nursing Science & Health-Care Leadership (1-4 units)**

*Course Description:* In-depth study of topics in Nursing Science and Health-Care Leadership, selected from: policy and politics in health care, health-care disparities, current issues in health care, approaches to the conduct of science, or other related areas, with year to year variation.

*Prerequisite(s):* Current enrollment in the Nursing Science and Health-Care Leadership graduate program or consent of instructor.

*Learning Activities:* Web Virtual Lecture 1-4 hour(s), Web Electronic Discussion 1-4 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Letter.

**NRS 299 – Research & Writing (1-12 units)**

*Course Description:* Conduct research and writing under the supervision of a faculty member.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Variable 3-36 hour(s).

*Enrollment Restriction(s):* Open to Graduate students in Nursing Sci Health-Care (DNP, PHD); Nursing (MSN); Nursing Sci-FNP (MS); PHYS ASST STDY (MHS); or consent of instructor.

*Repeat Credit:* May be repeated.

*Grade Mode:* Satisfactory/Unsatisfactory only.

**NRS 299D – Dissertation Research & Writing (1-12 units)**

*Course Description:* Conduct dissertation research and writing under the supervision of a faculty member.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Variable 3-36 hour(s).

*Enrollment Restriction(s):* Open to Graduate students in Nursing Sci Health-Care (DNP, PHD); Nursing (MSN); Nursing Sci-FNP (MS); PHYS ASST STDY (MHS); or consent of instructor.

*Repeat Credit:* May be repeated.

*Grade Mode:* Satisfactory/Unsatisfactory only.

**NRS 301 – Learner Centered Teaching (3-4 units)**

*Course Description:* Students will explore best practices in learner-centered teaching, performance-based curriculum models, instructional design, and assessing/evaluating student learning. Students will have experience in planning learner-centered activities that are engaging and effective in achieving desired student performance.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 3 hour(s), Practice 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 302 – Teaching Methods–Use of Emerging Technologies to Improve Student Learning (4 units)**

*Course Description:* Students will examine, design and develop instructional strategies that use innovative and emerging technologies to promote motivation, performance and learning in health professions education. Research findings associated with use of various emerging technologies will be examined.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 3 hour(s), Practice 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 303 – Professional Role Formation (2-4 units)**

*Course Description:* Exploration of the educator role. Topics include Role Expectations, Legal and Regulatory Issues, Professional Ethics, Educational Scholarship, Individual Differences, Learning Environments, and Lifelong Learning. Placements for the optional practicum are arranged in a wide variety of settings.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Laboratory 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 305AY – DNP Immersion A (2 units)**

*Course Description:* Three-course immersion series designed to augment the DNP student's online education in face to face sessions conducted at the Betty Irene Moore School of Nursing in Sacramento. Constructed to provide insight into the health system and the challenges faced by underserved populations thereby contributing to the student's ability to become a leader in clinical practice.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 305BY – DNP Immersion B (2 units)**

*Course Description:* Three-course immersion series designed to augment the DNP student's online education in face to face sessions conducted at the Betty Irene Moore School of Nursing in Sacramento. Constructed to provide insight into the health system and the challenges faced by underserved populations thereby contributing to the student's ability to become a leader in clinical practice.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 305CY – DNP Immersion C (2 units)**

*Course Description:* Three-course immersion series designed to augment the DNP student's online education in face to face sessions conducted at the Betty Irene Moore School of Nursing in Sacramento. Constructed to provide insight into the health system and the challenges faced by underserved populations thereby contributing to the student's ability to become a leader in clinical practice.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 306 – Nature of Caregiving (4 units)**

*Course Description:* Explores theoretical and conceptual frameworks to enable clinicians to understand the nature of family caregiving. Students examine and apply frameworks in order to conduct comprehensive person and family based assessments and interventions incorporating various dimensions of family caregiving.

*Prerequisite(s):* Consent of instructor. *Enrollment Restriction(s)* Open to graduate students in School of Nursing programs, or consent of instructor.:

*Learning Activities:* Lecture/Discussion 4 hour(s).

*Grade Mode:* Letter.

**NRS 307 – Family Centered Communication & Shared Decision Making (4 units)**

*Course Description:* Incorporates shared decision-making principles and group communication to address family centered care planning and challenging clinical discussions. Targets competencies needed by health professionals to partner effectively to enhance the caregiving experience and reduce negative sequelae over the caregiving trajectory.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 308 – Patient & Family Centered Care Plan Development (4 units)**

*Course Description:* Synthesizes assessment data and analyzes impact of technology, individual, family, sociocultural, health care system, and illness-related variables in specific family care-giving situations. Co-create comprehensive evidence based plan to facilitate the health and well-being of the family unit through shared decision-making.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 309V – Political Determinants of Health & Health Equity (4 units)**

*Course Description:* Introduction to historical and current laws and policies contributing to inequities in population health. Emphasis on theoretical models, strategies, and practices used to advance health equity.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor. Priority given to students enrolled in the Advancing Health Equity Series (AHES) Graduate Academic Unit Certificate (GAUC).

*Grade Mode:* Letter.

**NRS 310V – Race & Health in the United States (4 units)**

*Course Description:* Race as a social construct and unequal health care distribution in the United States. Practical health care leadership to end racial inequalities in health.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 311V – Trauma Informed Practice (4 units)**

*Course Description:* Introduction to manifestations of trauma and their impact on health and educational outcomes. Emphasis on trauma assessment and trauma-informed approaches in clinical practice, teaching and research.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 320V – Clinical Reasoning & Psychopathology (3 units)**

*Course Description:* Foundational course for science, epidemiology, etiology, and development of mental disorders across the lifespan. Appraise mental disorders in the context of social determinants of health.  
*Prerequisite(s):* Consent of instructor.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 321AY – PMHNP Role Development & Clinical Decision Making (2 units)**

*Course Description:* First course for foundational knowledge and skills for PMHNP role development. Self-reflective practice and principles of psychotherapeutic care. In-class simulations, techniques for establishing and maintaining a therapeutic alliance. Three to four day in-person weekend immersion.  
*Prerequisite(s):* Consent of instructor.  
*Learning Activities:* Practice 6 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 321BY – PMHNP Role Development & Clinical Decision Making (1 unit)**

*Course Description:* Second course for foundational knowledge and skills for PMHNP role development. Self-reflective practice and principles of psychotherapeutic care. In-class simulations, techniques for establishing and maintaining a therapeutic alliance. Three to four day in-person weekend immersion.  
*Prerequisite(s):* NRS 321AY C+ or better; consent of instructor.  
*Learning Activities:* Practice 3 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 321CY – PMHNP Role Development & Clinical Decision Making (3 units)**

*Course Description:* Third course for foundational knowledge and skills for PMHNP role development. Assessment and treatment planning for complex cases with multiple comorbidities, including substance use and trauma-related disorders. Structural barriers and system-level approaches to caring for patients with complex needs. Transition to practice competency as an entry-level PMHNP. Three to four day in-person weekend immersion.  
*Prerequisite(s):* NRS 321BY C+ or better; or consent of instructor.  
*Learning Activities:* Practice 9 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 322AV – Psychopharmacology Across the Lifespan: Foundations (3 units)**

*Course Description:* First course for PMHNP students for the prescription of somatic therapies to treat mental disorders in individuals across the lifespan. Foundational knowledge of major classes of psychotropic medication as well as common neuromodulatory therapies for the purpose of safe prescribing.  
*Prerequisite(s):* Consent of instructor.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 322BV – Psychopharmacology Across the Lifespan: Application (3 units)**

*Course Description:* Apply and evaluate evidence-based therapies to individuals and special populations across the lifespan. Examine stigma and sociocultural factors that affect individual's ability to access and engage in health care. Eligible for the Data 2000 X-wavier license.  
*Prerequisite(s):* NRS 322AV C+ or better; or consent of instructor.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 322CV – Psychopharmacology Across the Lifespan: Complex Cases (3 units)**

*Course Description:* Complex cases in psychopharmacology and evaluate use of evidence-based therapies for individuals and special populations across the lifespan. Examine stigma and structural barriers that affect individual's ability to access and engage in health care.  
*Prerequisite(s):* NRS 322BV C+ or better; or consent of instructor.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 323AV – Psychotherapeutic Interventions Across the Lifespan I (3 units)**

*Course Description:* First course for theory, principles, and application of individual, family, and group psychotherapies across the lifespan. Cognitive-behavioral, interpersonal, motivational, dialectical, and psychodynamic approaches to psychotherapeutic intervention.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 323BV – Psychotherapeutic Interventions Across the Lifespan II (3 units)**

*Course Description:* Group therapies, family systems, attachment and developmental approaches to psychotherapeutic intervention. Clinical case materials for assessment, engagement, and evaluation of psychotherapeutic interventions within the context of PMHNP practice.  
*Prerequisite(s):* NRS 323AV C+ or better; or consent of instructor.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 323CV – Psychotherapeutic Interventions Across the Lifespan III (3 units)**

*Course Description:* Harm reduction, cognitive-behavioral, and interpersonal approaches to psychotherapeutic intervention. Application of each therapy to PMHNP clinical practice, identifying and evaluating specific therapeutic skills for patient engagement, interviewing, treatment planning, referral and/or intervention.  
*Prerequisite(s):* NRS 323BV C+ or better; or consent of instructor.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program; or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 351V – Health Policy for Health-Care Professionals (3 units)**

*Course Description:* Addresses current major health policy issues and the institutions, processes and forces that shape them. Discusses health care policy in terms of legislative and executive processes at the state and federal levels; key forces involved in policy-making, including economic, social, ethical and political factors; and the central players involved in policy-making, including elected officials, interest groups, the press and legislative staff.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 352V – Organizational & System Change Through Leadership, Research, & Practice (3 units)**

*Course Description:* Deepens the critical understanding and analysis of leadership theory as related to healthcare systems. Apply leadership principles and theory within the context of building successful organizations and engaging in health policy, practice, research and education arenas. Address change processes in healthcare from political, historic, economic and sociological frameworks, learning from both historic and current examples of transformative change.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 353V – Improving Patient & Population Health (3 units)**

*Course Description:* Highlights the health outcomes of groups with a focus on reducing health inequities among populations by exploring factors such as the environment, social structures, and resource distribution. Introduces the principles of public health as well as epidemiology and evidence-based public health.  
*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 354V – Ensuring Quality and Safety in Healthcare (4 units)**

*Course Description:* Provides the knowledge and skills necessary for students to understand the fundamentals of conducting research and quality improvement. Explore the relationship and be able to differentiate between quality improvement and research and the appropriate application of both processes. Specific attention paid to different types of data, research levels of evidence, quality improvement techniques, and basics of measurement.  
*Learning Activities:* Web Virtual Lecture 3 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 355V – Health Promotion & Disease Prevention Across the Lifespan (2 units)**

*Course Description:* Health promotion and disease prevention examined using population-based and multidisciplinary approaches. Focuses on developing increased knowledge, skills and appreciation for the promotion of health and prevention of disease among culturally diverse communities. Epidemiological, psychosocial and environmental principles discussed as a basis for focusing upon factors related to the reduction of health disparities among vulnerable populations.  
*Learning Activities:* Web Virtual Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 356V – Clinical Ethics (2 units)**

*Course Description:* Emphasis on exploration of ethical knowledge development with a focus on clarification, analysis and justification relevant to advanced nursing practice; examination and development of learners' moral understanding; and distinguishing between moral and other professional responsibilities. Includes pertinent topics on how ethical and legal standards intersect and how this impacts health professionals and health care systems.  
*Learning Activities:* Web Virtual Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).  
*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.  
*Grade Mode:* Letter.

### **NRS 357V – Business Essentials for Health Care (3 units)**

*Course Description:* Interprofessional online course on business essentials in healthcare establishes a foundational understanding of healthcare business basics including finance, human resources, management and physical resources. Develop leadership-level thinking to provide quality cost-effective care and to participate in the implementation of care.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 358AV – Applied Nursing Biostatistics (1 unit)**

*Course Description:* Principles of statistical reasoning and quantitative skills for analyzing health data. Descriptive and inferential statistics. Multivariate parametric and non-parametric statistical methods to answer nursing-related questions. Interpretation of statistical results in advanced practice nursing clinical decision making rather than computation.

*Learning Activities:* Web Virtual Lecture 0.5 hour(s), Web Electronic Discussion 0.5 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 358BV – Applied Biostatistics in Healthcare (2 units)**

*Course Description:* Epidemiologic methods and techniques. Epidemiological study designs in clinical nursing scenarios. Causality and risk in clinical nursing situations. Screening and diagnostic tests used in advanced practice. Common mistakes and pitfalls in the interpretation of the scientific literature impacting patient outcomes.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 360V – Chemistry & Physics in Anesthesia (4 units)**

*Course Description:* Learn to apply the basic principles of chemistry and physics in nurse anesthesia practice and medical math. Analyze various components and mechanisms of an anesthesia machine. Review and compare currently available monitoring devices.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Web Virtual Lecture 3 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 361V – Advanced Anatomy & Physiology (4 units)**

*Course Description:* In-depth understanding of the anatomical and physiological principles relevant to the practice of anesthesia. Advanced knowledge of the human body's structures and functions, emphasizing their significance in anesthesia practice.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Web Virtual Lecture 3 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 362AV – Advanced Pharmacology I (3 units)**

*Course Description:* Explore the pharmacodynamics and pharmacokinetics of various drug classes. Emphasis on mechanisms of action, therapeutic uses, adverse effects, and drug interactions. Develop the knowledge and skills for safe medication management in the perioperative setting.

*Prerequisite(s):* NRS 360V; consent of instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 362BV – Advanced Pharmacology II (3 units)**

*Course Description:* Focus on specialized topics such as advanced anesthesia agents, neuromuscular blocking agents, and opioid analgesics. Analyze scenarios to make informed decisions regarding drug selection, dosing, and titration. Explore emerging pharmacology trends and their implications.

*Prerequisite(s):* NRS 362AV; consent of instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 362CV – Advanced Pharmacology III (3 units)**

*Course Description:* Cover topics such as pharmacogenomics, perioperative pain management strategies, and advanced anesthesia adjuncts. Preparation to navigate the dynamic landscape of pharmacology in modern nurse anesthesia practice.

*Prerequisite(s):* NRS 362BV; consent of instructor.

*Learning Activities:* Web Virtual Lecture 2 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 364AV – Anesthesia Principles I: Basic Principles of Nurse Anesthesia (4 units)**

*Course Description:* Foundation in basic knowledge of nurse anesthesia practice. Provides a comprehensive orientation to nurse anesthesia practice, facilitating incorporation of safe, basic, principles into the delivery of competent, responsible patient care.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Web Virtual Lecture 3 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 364BV – Anesthesia Principles II: Basic Principles of Nurse Anesthesia (4 units)**

*Course Description:* Learn anesthetic management principles for surgical specialty areas. Master important concepts in related anatomic, physiologic, pathophysiologic, & pharmacologic principles for each of the surgical specialty areas.

*Prerequisite(s):* NRS 364AV; consent of Instructor.

*Learning Activities:* Web Virtual Lecture 3 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 366A – Basic Simulation (3 units)**

*Course Description:* Introduction to simulation-based learning methodologies to apply to introductory fundamentals of anesthesia practice.

*Prerequisite(s):* Consent of Instructor.

*Learning Activities:* Lecture/Lab 8 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 400 – Basic Clinical Skills (1-4 units)**

*Course Description:* Instruction and practice of the fundamental clinical skills necessary for patient care comprise this course with a primary focus on principles of effective communication in establishing the therapeutic provider-patient relationship.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 401 – Basic Clinical Skills (1-4 units)**

*Course Description:* Continuation of focus on history taking and physical examination skills with advanced/specialized content.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 402V – Introduction to the Scholarly Project (1-2 units)**

*Course Description:* Introduces DNP students to the Scholarly Project to assist them in developing an outline for their project in preparation for the course series NRS 411A-C. Potential clinical rotation sites discussed, and the requirements of a scholarly project delineated.

*Learning Activities:* Web Virtual Lecture 1-2 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 409Y – Advanced Health Assessment & Clinical Skills (3 units)**

*Course Description:* Comprehensive clinical application of advanced health assessment skills, advanced clinical procedures, and critical-decision scenarios through on-site simulation and interactive-case based learning. Student remediation and faculty one-on-one mentorship to prepare for clinical rotations the following quarter.

*Prerequisite(s):* NRS 275V C or better; NRS 277V C or better; NRS 278V C or better; consent of instructor.

*Learning Activities:* Clinical Activity 6 hour(s), Web Virtual Lecture 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 410A – Advanced Clinical Skills (1-4 units)**

*Course Description:* Continuation of focus on history taking and physical examination skills with advanced/specialized content.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 410B – Advanced Clinical Skills (1-4 units)**

*Course Description:* Continuation of focus on history taking and physical examination skills with advanced/specialized content related specified systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 410C – Advanced Clinical Skills (1-4 units)**

*Course Description:* Continuation of focus on history taking and physical examination skills with advanced/specialized content related specified systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 410D – Advanced Clinical Skills (1-4 units)**

*Course Description:* Continuation of focus on history taking and physical examination skills with advanced/specialized content related to specified systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 410E – Advanced Clinical Skills (1-4 units)**

*Course Description:* Continuation of focus on history taking and physical examination skills with advanced/specialized content related to specified systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 410F – Advanced Clinical Skills (1-4 units)**

*Course Description:* Continuation of focus on history taking and physical examination skills with advanced/specialized content related to specified specialty systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 410G – Advanced Clinical Skills (1-4 units)**

*Course Description:* Continuation of focus on history taking and physical examination skills with advanced/specialized content related to specified specialty systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Lab 1-4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 411AV – Scholarly Project A (2 units)**

*Course Description:* Three-course series must be taken in sequence.

Seminar provides the opportunity to discuss and conceptualize the conduct of the scholarly project with student colleagues and the seminar course professor. Independent scholarly project involves a systematic, evidence-based approach to enhance identified, health-related outcomes to be completed over the course of three quarters.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 411BV – Scholarly Project B (2 units)**

*Course Description:* Three-course series must be taken in sequence.

Seminar provides the opportunity to discuss and conceptualize the conduct of the scholarly project with student colleagues and the seminar course professor. Independent scholarly project involves a systematic, evidence-based approach to enhance identified, health-related outcomes to be completed over the course of three quarters.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 411CV – Scholarly Project C (2 units)**

*Course Description:* Three-course series must be taken in sequence.

Seminar provides the opportunity to discuss and conceptualize the conduct of the scholarly project with student colleagues and the seminar course professor. Independent scholarly project involves a systematic, evidence-based approach to enhance identified, health-related outcomes to be completed over the course of three quarters.

*Learning Activities:* Web Virtual Lecture 1 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 412AY – Applied Project Practicum A (4-7 units)**

*Course Description:* Doctor of Nursing Practice supervised clinical practice course focuses on enhancing clinical leadership skills within the role of an Advanced Practice Nurse and integrates advanced practice with the scholarly project. Collaborate with a course professor and clinical preceptor to meet individualized learning objectives.

*Learning Activities:* Clinical Activity 12-21 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 412BY – Applied Project Practicum B (4-7 units)**

*Course Description:* Doctor of Nursing Practice supervised clinical practice course focuses on enhancing clinical leadership skills within the role of an Advanced Practice Nurse and integrates advanced practice with the scholarly project. Collaborate with a course professor and clinical preceptor to meet individualized learning objectives.

*Learning Activities:* Clinical Activity 12-21 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

**NRS 415Y – PMHNP Clinical Residency (4-6 units)**

*Course Description:* Integrate scientific knowledge and clinical practice to develop diagnostic, clinical decision-making, and direct care of individuals, groups, and families across the lifespan. Application/integration of research, consultation, and clinical leadership as appropriate.

*Learning Activities:* Web Electronic Discussion 1 hour(s), Clinical Activity 9 hour(s).

*Enrollment Restriction(s):* Enrolled in Nursing Science & Health-Care Leadership graduate group UC PMHNP Certificate Program or consent of instructor.

*Repeat Credit:* May be repeated 4 time(s).

*Grade Mode:* Letter.

### **NRS 420 – Foundations of Clinical Nursing Practice (5 units)**

*Course Description:* Foundational course introduction to core concepts of clinical nursing, including clinical reasoning, professional ethics, therapeutic communication and activities of daily living. Develop skills for the provision of safe, high quality, culturally-sensitive, person-centered care across the lifespan.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 4 hour(s), Lecture/Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 421 – Health Assessment Across the Lifespan (3 units)**

*Course Description:* Preparation to conduct a health history assessment using developmentally and culturally appropriate approaches for individuals across the lifespan. Acquire the knowledge, understanding, and skills needed to perform, interpret and communicate a health history.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 1 hour(s), Clinical Activity 6 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 422 – Care of Adults with Chronic Conditions (6 units)**

*Course Description:* Learn concepts central to the effective management of a variety of common chronic illness and disabling conditions across the lifespan in a variety of different settings. Practice conducting in-depth health assessments of individuals with chronic conditions.

*Prerequisite(s):* NRS 221; NRS 272; NRS 420; NRS 421; consent of instructor.

*Learning Activities:* Lecture/Discussion 3 hour(s), Clinical Activity 9 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 423 – Psychosocial Wellness & Illness (5 units)**

*Course Description:* Explore the biological, psychological, cultural, societal, and environmental factors that affect psychological wellness and illness. Practice providing care to individuals and families experiencing disruptions in mental health secondary to physical or psychiatric illness, trauma or loss.

*Prerequisite(s):* NRS 221; NRS 272; NRS 420; NRS 421; consent of instructor.

*Learning Activities:* Lecture/Discussion 3 hour(s), Clinical Activity 6 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 424 – Nursing Care of Older Adults (3 units)**

*Course Description:* Build skills for situations involving older adults, such as in the management of complex clinical and administering and interpreting standardized assessment tools. Develop plans of care for older adults experiencing a variety of geriatric syndromes.

*Prerequisite(s):* NRS 221; NRS 223; NRS 272; NRS 273; NRS 420; NRS 421; NRS 422; NRS 423; NRS 425; NRS 426; consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 425 – Family Focused Nursing (9 units)**

*Course Description:* Focuses on family as the unit of nursing and interprofessional care. Includes influences of family on health and illness, reproductive and gender/sexuality issues, pregnancy, birth and child-rearing, and the health and illness in children and youth.

*Prerequisite(s):* NRS 221; NRS 272; NRS 273; NRS 420; NRS 421; NRS 422; NRS 423; consent of instructor.

*Learning Activities:* Lecture/Discussion 5 hour(s), Clinical Activity 12 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 426 – Nursing Care of Adults with Complex Illness or Injury (8 units)**

*Course Description:* Prepares students to provide comprehensive, patient-centered nursing care for patients with acute or complex illness and injury. Theory portion focuses on concepts associated with complex physiological alterations.

*Prerequisite(s):* NRS 221; NRS 272; NRS 273; NRS 420; NRS 421; NRS 422; NRS 423; NRS 425; consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s), Clinical Activity 12 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 427 – Fostering Healthy Communities (7 units)**

*Course Description:* Focuses on populations & communities, and emphasizes working with diverse communities in providing health promotion, chronic disease management, transitional support and crisis intervention. Develop skills to critically analyze and shape health policy and develop accessible community resources.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s), Clinical Activity 9 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.



## **NRS 428 – Capstone Clinical Nursing Practicum (9 units)**

*Course Description:* Practicum experience to facilitate transition to professional practice. Assignment of clinical practice area of interest and to work with a preceptor with expertise in that area.

*Prerequisite(s):* NRS 424 C or better; NRS 427 C or better; NRS 429E C or better.

*Learning Activities:* Clinical Activity 24 hour(s), Lecture/Discussion 1 hour(s).

*Enrollment Restriction(s):* Open to grad students in Nursing Sci Health-Care (DNP, PHD) Nursing (MSN); Nursing Sci-FNP (MS); Phys Asst Stdy (MHS), or consent of instructor.

*Grade Mode:* Letter.

## **NRS 429A – Collaborative Practice A (1 unit)**

*Course Description:* Interprofessional course uses experiential learning activities including simulation, role play, and case studies. Concepts include but are not limited to; communication, person-centered care, ethical decision making, end-of-life decisions, culturally appropriate care, quality and safety, social justice, and professionalism.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

## **NRS 429B – Collaborative Practice B (1 unit)**

*Course Description:* Interprofessional course uses experiential learning activities including simulation, role play, and case studies. Concepts include but are not limited to; communication, person-centered care, ethical decision making, end-of-life decisions, culturally appropriate care, quality and safety, social justice, and professionalism.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

## **NRS 429C – Collaborative Practice C (1 unit)**

*Course Description:* Interprofessional course uses experiential learning activities including simulation, role play, and case studies. Concepts include but are not limited to; communication, person-centered care, ethical decision making, end-of-life decisions, culturally appropriate care, quality and safety, social justice, and professionalism.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

## **NRS 429D – Collaborative Practice D (1 unit)**

*Course Description:* Interprofessional course uses experiential learning activities including simulation, role play, and case studies. Concepts include but are not limited to; communication, person-centered care, ethical decision making, end-of-life decisions, culturally appropriate care, quality and safety, social justice, and professionalism.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

## **NRS 429E – Collaborative Practice E (1 unit)**

*Course Description:* Interprofessional course uses experiential learning activities including simulation, role play, and case studies. Concepts include but are not limited to; communication, person-centered care, ethical decision making, end-of-life decisions, culturally appropriate care, quality and safety, social justice, and professionalism.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

## **NRS 429F – Collaborative Practice F (1 unit)**

*Course Description:* Interprofessional course uses experiential learning activities including simulation, role play, and case studies. Concepts include but are not limited to; communication, person-centered care, ethical decision making, end-of-life decisions, culturally appropriate care, quality and safety, social justice, and professionalism.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 3 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

## **NRS 440 – Preparation for Clinical Practice (1-3 units)**

*Course Description:* Students are placed in clinical settings and/or clinical simulation laboratories to observe and practice the integration of clinical skills with direct supervision by faculty.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 3-9 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

## **NRS 450A – Supervised Clinical Practice-Primary Health Care (1-16 units)**

*Course Description:* Each of the required primary care rotations is a four-week supervised clinical practice experience in primary care, under the supervision of an appropriate community-based primary care provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

## **NRS 450B – Supervised Clinical Practice-Primary Health Care (1-16 units)**

*Course Description:* Each of the required primary care rotations is a four-week supervised clinical practice experience in primary care, under the supervision of an appropriate community-based primary care provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 450C – Supervised Clinical Practice-Primary Health Care (1-16 units)**

*Course Description:* Each of the required primary care rotations is a four-week supervised clinical practice experience in primary care, under the supervision of an appropriate community-based primary care provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 450D – Supervised Clinical Practice-Primary Health Care (1-16 units)**

*Course Description:* Each of the required primary care rotations is a four-week supervised clinical practice experience in primary care, under the supervision of an appropriate community-based primary care provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 450E – Supervised Clinical Practice-Primary Health Care (1-16 units)**

*Course Description:* Each of the required primary care rotations is a four-week supervised clinical practice experience in primary care, under the supervision of an appropriate community-based primary care provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 451 – Supervised Clinical Practice-Pediatrics (1-16 units)**

*Course Description:* Four-week clinical rotation under the supervision of an appropriate community-based Pediatric Medicine provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 452 – Supervised Clinical Practice-Women's Health (1-16 units)**

*Course Description:* Four-week clinical rotation under the supervision of an appropriate community-based women's health and prenatal care provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 453 – Supervised Clinical Practice-Mental Health (1-16 units)**

*Course Description:* Four-week clinical rotation under the supervision of an appropriate community-based psychiatrist, psychiatric/mental health provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 454 – Supervised Clinical Practice-Emergency Medicine (1-16 units)**

*Course Description:* Four-week clinical rotation under the supervision of an appropriate Emergency Medicine provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 455 – Supervised Clinical Practice-Inpatient Surgery (1-16 units)**

*Course Description:* Four-week clinical experience under the supervision of an appropriate surgical provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 456 – Supervised Clinical Practice-Inpatient Medicine (1-16 units)**

*Course Description:* Four-week clinical rotation under the supervision of an appropriate inpatient provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 459 – Supervised Clinical Practice-Other Specialties (1-16 units)**

*Course Description:* Two four-week selective rotations are available to accommodate student interest and/or accommodate a student's clinical deficits identified by the program.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 470 – Health Care Ethics (3-9 units)**

*Course Description:* Guided independent study of issues in biomedical ethics, with discussion of readings that are based on student interests and needs. Participation in ethics rounds.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 2 hour(s), Discussion/Laboratory 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Cross Listing:* GMD 470.

*Grade Mode:* Satisfactory/Unsatisfactory only.

### **NRS 471 – Supervised Clinical Practice-Geriatrics (1-16 units)**

*Course Description:* Four-week clinical rotation under the supervision of an appropriate community-based Geriatric Medicine provider per accreditation requirements.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 475 – Supervised Clinical Practice-Acute Care (1-16 units)**

*Course Description:* Two- to four-week rotation focus on providing acute care in inpatient settings. Students will work directly with specific inpatient units.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 480 – Supervised Clinical Practice-Rural Health (1-16 units)**

*Course Description:* Rural health rotations focus on providing care in medically underserved rural sites. Students will experience care across the continuum in ambulatory, inpatient, and community based settings.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 490 – Supervised Clinical Practice: Quality & Safety (1-16 units)**

*Course Description:* Clinical rotation that allow students to work directly with patient safety and quality improvement committees in various organizations.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 48 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Repeat Credit:* May be repeated 5 time(s).

*Grade Mode:* Letter.

### **NRS 493A – Improving Quality in Health Care (4 units)**

*Course Description:* Working in interdisciplinary teams, will explore the theory and practical methods being employed to make improvement in health care systems while providing an opportunity for interprofessional educational experience.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 493B – Improving Quality in Health Care (4 units)**

*Course Description:* Working in interdisciplinary teams, will explore advanced theory and practical methods being employed to make improvement in health care systems while providing an opportunity for interprofessional educational experience.

*Prerequisite(s):* NRS 493A; consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 493C – Enhancing Patient Safety in Health Care (4 units)**

*Course Description:* Inter-professional module is designed to explore the theory and practical methods being employed to improve patient safety in health care while providing an opportunity for inter-professional educational experience.

*Learning Activities:* Lecture/Discussion 3 hour(s), Discussion/Laboratory 1 hour(s).

*Enrollment Restriction(s):* Open to graduate students in School of Nursing programs, or consent of instructor.

*Grade Mode:* Letter.

### **NRS 494AV – Enhancing Patient Safety Systems (4 units)**

*Course Description:* Patient safety systems in healthcare. Problem identification, root cause analysis, human factor examination, and systems level intervention development to reduce harm.

*Learning Activities:* Web Virtual Lecture 3 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Priority given to current DNP-FNP, PhD, MEPN or PA programs within the Nursing Science & Health-Care Leadership Graduate Group at Betty Irene Moore School of Nursing who are enrolled in the EPSQIH-GAUC; students enrolled in other graduate degree programs or other UC Davis health-related programs and are interested in quality and safety may be accepted on a space available basis and only by consent of the EPSQIH-GAUC chair; students enrolled in the EPSQIH-GAUC must take all courses in the NRS 494AV-NRS 494CY series in sequence; students not enrolled in the EPSQIH-GAUC may take courses (based on availability) NRS 494AV & NRS 494BV individually and do not need to be taken in sequence.

*Grade Mode:* Letter.

### **NRS 494BV – Improving Healthcare Quality Through Teamwork (4 units)**

*Course Description:* Healthcare quality improvement, theory and practical application methods. Healthcare systems improvement and patient care outcomes.

*Learning Activities:* Web Virtual Lecture 3 hour(s), Web Electronic Discussion 1 hour(s).

*Enrollment Restriction(s):* Priority given to current DNP-FNP, PhD, MEPN or PA programs within the Nursing Science & Health-Care Leadership Graduate Group at Betty Irene Moore School of Nursing who are enrolled in the EPSQIH-GAUC; students enrolled in other graduate degree programs or other UC Davis health-related programs and are interested in quality and safety may be accepted on a space available basis and only by consent of the EPSQIH-GAUC chair; students enrolled in the EPSQIH-GAUC must take all courses in the NRS 494AV-NRS 494CY series in sequence; students not enrolled in the EPSQIH-GAUC may take courses (based on availability) NRS 494AV & NRS 494BV individually and do not need to be taken in sequence.

*Grade Mode:* Letter.

### **NRS 494CY – Quality & Safety Practicum (4 units)**

*Course Description:* Application of quality improvement knowledge and skills in real healthcare settings. One quarter-long practicum experience required.

*Learning Activities:* Practice 3 hour(s), Web Virtual Lecture 3 hour(s).

*Credit Limitation(s):* Priority given to current DNP-FNP, PhD, MEPN or PA programs within the Nursing Science & Health-Care Leadership Graduate Group at Betty Irene Moore School of Nursing who are enrolled in the EPSQIH-GAUC; students enrolled in other graduate degree programs or other UC Davis health-related programs and are interested in quality and safety may be accepted on a space available basis and only by consent of the EPSQIH-GAUC chair; students enrolled in the EPSQIH-GAUC must take all courses in the NRS 494AV- NRS 494CY series in sequence; students not enrolled in the EPSQIH-GAUC may take courses (based on availability) NRS 494AV & NRS 494BV individually and do not need to be taken in sequence.

*Grade Mode:* Letter.