NUR 500. Biostatistics. 1 Credit. This biostatistics course is an introduction to probability concepts and statistical tests currently used in the biological and health sciences. The course covers the application of statistics to data analysis. An emphasis is placed on inferential statistics, which includes estimation, confidence intervals, means, variances and proportions.

Offered: Every year

NUR 514. Epidemiology and Population Health. 3 Credits. This course introduces epidemiologic principles, methods and data used in advanced nursing practice. Population health concepts are coupled with risk analysis statistics to critique evidence for holistic public health approaches. The use of data to assess acute and chronic population health problems, to implement effective interventions addressing these problems, and to examine outcomes is emphasized.

Offered: Every year, Summer Online

NUR 515. Communications and Conflict Management. 3 Credits. This course provides an introduction to communication and conflict management skills and systems necessary for effective health care delivery and managing or advising health care institutions. Students examine communication, negotiation, decision-making, challenging conversations and behavior, effective feedback and conflict system design. Online, spring semester, open to graduate nursing and law students.

Offered: Every year, Spring

NUR 516. Health Policy and Organizational Systems. 2 Credits. This course provides an introduction to various social and political policy environments impacting advanced nursing practice and health care systems. Students examine issues that inform health care policy, organization and financing. Nursing's advocacy role in shaping policy in organizational, social and political venues is emphasized.

Offered: Every year, Fall and Summer

NUR 517. Anatomy for the Nurse Anesthetist. 2 Credits. This course emphasizes the fundamentals of anatomy for the cardiac, respiratory and nervous system. Anatomy as it pertains to regional administration is stressed, as well as pain management. Throughout this course, students utilize dissections of specific organs and the use of computer and anatomic models. Airway anatomy is covered extensively through multiple modalities. Renal and hepatic anatomy are reviewed.

Offered: Every year, Summer

NUR 517L. Anatomy for the Nurse Anesthetist Lab. 1 Credit. This course features dissections of specific organs and the use of computer and anatomic models. Course includes an extensive study of airway anatomy through multiple modalities. Anatomy lab is utilized.

Offered: Every year, Summer

NUR 520. Advanced Health Assessment. 3 Credits. This course presents the principles of performing a comprehensive health assessment and reporting the findings in a professional format. Attention is given to assessment and physical examination across the lifespan within diverse communities. The processes underlying diagnostic decision making are introduced. A laboratory component enables the student to master the techniques of performing a holistic health assessment.

Corequisites: Take NUR 520L.

Offered: Every year, Fall

NUR 520L. Advanced Health Assessment Lab. 2 Credits. This lab must be taken with NUR 520. (2 lab hrs.)

Corequisites: Take NUR 520.

Offered: Every year, Fall

NUR 522. Advanced Pathophysiology. 3 Credits. Essential concepts of pathophysiology are emphasized. Selected disorders are studied especially as they relate to homeostatic and defense/repair mechanisms. Where appropriate the course includes clinical correlations of disease states with symptoms and physical findings.

Offered: Every year, Fall

NUR 524. Principles of ECG Interpretation. 1 Credit. This course provides a directed approach to understanding the principles and basic interpretation of electrocardiography as applied in advanced practice nursing. Intended for students in the adult-gerontology and family nurse practitioner tracks.

Offered: Every year, Summer Online

NUR 528. Principles of Radiography. 2 Credits. The basic principles of radiologic and imaging techniques, recognition of common abnormal findings, indications and contraindications for various tests including cost analysis and availability factors are considered. Intended for students in the adult-gerontology and family nurse practitioner tracks.

Offered: Every year, Summer Online

NUR 530. Advanced Pharmacology. 3 Credits. Students are introduced to pharmacological management across the lifespan and provided with advanced knowledge of pharmacokinetics. Selected categories of drugs commonly prescribed for management of health care problems and health promotion within diverse communities are presented. Controlled substances and the potential for abuse are discussed. The responsibilities and legalities of prescriptive authority in advanced practice are defined.

Offered: Every year

NUR 540. Educational Principles for the Health Care Professional. 3 Credits. This course examines the theoretical perspectives of education as it relates to educational leadership and professional development for adult learners. Teaching/learning theories, models and principles are examined as preparation for the design, development, evaluation and revision of professional development-related curricula. Instructional strategies and teaching techniques adapted for diverse populations are explored.

Offered: Every year, Fall Online

NUR 541. Informatics Fieldwork Experience. 1 Credit. This 1-credit practicum provides the opportunity for students to apply essential knowledge and skills in health care informatics. (120 practicum hours)

Offered: Every year, Summer Online

NUR 542. Introduction to Health Care Finance. 1 Credit. This 1-credit online graduate course provides an overview of basic budgeting concepts and processes integral to project planning and project management. Students also are introduced to foundational principles of marketing.

Offered: Every year, Summer Online
NUR 543. Capstone. 3 Credits.
This capstone practicum is a culminating experience integrating knowledge and skill learned in other courses into the practice setting. Students complete a synthesis practicum that is an intensive mentored experience in operational leadership in a selected area of interest. (1-credit seminar, 2 credits/240 hours of practicum)
Offered: Every year, Spring Online

NUR 544. Introduction to Informatics. 3 Credits.
This online graduate course provides essential knowledge and skills in health care informatics to enhance the quality of patient care and outcomes through the assessment, development, implementation, use and evaluation of information technologies. It prepares the nurse to support evidence-based practice and manage patient-care technologies to deliver and enhance interprofessional care and communication for improved coordination of care.
Offered: Every year, Summer Online

NUR 590. Public Health Law. 3 Credits.
Nursing elective

NUR 600. Evaluation and Synthesis of Scientific Evidence for Practice. 2 Credits.
Students review selected processes to identify current best scientific evidence including formulation of asking an answerable question. Students also conduct a review of the literature, critically appraise individual studies, and synthesize the evidence collected. Various methods to evaluate statistical analyses and scientific rigor are emphasized. Discussions focus on strengths and limitations of existing evidence, and application to direct and indirect practice. Iterative writing is a major component of this course.
Offered: Every year, Fall Online

NUR 602. Principles of Ethical Theory in Nursing. 1 Credit.
This course facilitates the student's formulation of a theoretical basis for ethical judgment at an advanced level of practice. Students analyze ethical theory and debate responses to ethical problems in advanced nursing practice.
Offered: Every year, Fall and Summer Online

NUR 610. Clinical Scholarship and Inquiry in Nursing. 2 Credits.
This course focuses on improvement methods used to identify organizational systems' problem processes affecting practice (direct and indirect care). Building on prior knowledge of evidence-based practice, students learn how to critically appraise scientific evidence, evaluate additional relevant information, and consider cost implications to create sustainable innovations intended to improve systems.
Offered: Every year, Spring Online

NUR 610PBL. DNP Project I. 2 Credits.
This seminar provides an opportunity for students to identify a health organization or system's opportunity for process improvement based on available aggregate data. Students develop a substantial and meaningful scholarly DNP Project Proposal that is innovative and evidence-based, reflects the application of credible research findings, financially sound, feasible, sustainable and demonstrates value to the organization and population(s) served. There is a minimum of 120 fieldwork hours associated with this course. The course is graded on a pass/fail basis.
Corequisites: Take NUR 610.
Offered: Every year, Summer Online

NUR 612. Leadership and Collaboration for Change in Health Care. 2 Credits.
This course focuses on developing advanced practice nursing leaders who are able to generate pragmatic responses to health care policy, systems and practice inquiry problems through a collaborative approach.
Prerequisites: Take NUR 610.
Offered: Every year, Fall Online

NUR 612PBL. DNP Project II. 1-2 Credits.
Students continue experiential learning to create and sustain change through implementation of the approved, scholarly DNP Project Proposal using appropriate leadership concepts, interdisciplinary team collaboration, and change theory. Post-implementation and evaluation of Project outcomes are disseminated to applicable fieldwork site stakeholders, peers in a professional forum, and in a digital repository. There are 120 fieldwork hours associated with this course the first time it is taken. This course is graded on a pass/fail basis. The course may be repeated for one credit until the DNP Project is completed.
Prerequisites: Take NUR 610 NUR 610PBL.
Offered: Every year, Fall Online

NUR 613. Nursing Leadership Seminar: Applying Data to Practice. 1 Credit.
This online seminar develops students' skills in identifying, critiquing and applying data in health care. Students investigate evidence-based research and how that data is used to improve health system outcomes. In addition, they examine electronic data transfer methods and displays that illustrate performance. Finally, students debate the ethical aspects of data access, security and use.
Offered: Every year, Fall Online

NUR 615. Nursing Leadership Seminar and Fieldwork Experience: Safety and Legal Contexts of Health Care. 3 Credits.
This two-hour clinical seminar accompanies 120 hours of experiential learning in the field, with an emphasis on safety and legal concepts in health care. Human factors analysis and systemic quality improvement for increased patient and provider safety are discussed.
Prerequisites: Take NUR 613.
Offered: Every year, Spring Online

NUR 617. Nursing Leadership Fellowship: Relationship Management and Strategic Leadership. 3 Credits.
This online course focuses on developing nursing leaders who are able to generate pragmatic responses to health care demands that address the collaborative relationships critical to clinical, educational and organizational success. This course includes 120 hours (1 credit) of experiential learning in the field, with a two-hour online seminar to discuss student experiences and synthesize leadership concepts and skills.
Prerequisites: Take NUR 615
Offered: Every year, Spring Online

NUR 620. Advanced Principles of Population-Based Health Care. 2 Credits.
This course examines policies impacting health across a broad spectrum of health care conditions and settings. Students discuss the contributions of nursing to population health.
Offered: Every year, Fall Online
NUR 621. Post-Master's Additional Graduate Clinical. 1-4 Credits. This course is for those students who need more fieldwork hours to reach the 1,000 hours required for the Doctor of Nursing Practice degree. Objectives are developed with faculty specifically for the work to be done. One credit is equivalent to 120 hours of fieldwork.

Prerequisites: Take NUR 617 or NUR 623.
Offered: Every year, Summer

NUR 622. Special Topics in Advanced Practice Nursing. 3 Credits. This seminar allows each student to examine contemporary issues surrounding advanced nursing practice and population health within the context of the individual student's population health focus. There are 120 fieldwork hours associated with this course.

Prerequisites: Take NUR 620.
Offered: Every year, Spring Online

NUR 623. Population Health Fellowship. 1 Credit. This clinical experience allows for a wide variety of individual student preferences in working with issues of population health. The 120-hour requirement can be completed in condensed or extended timeframes.

Prerequisites: Take NUR 620 NUR 622.
Offered: Every year, Spring

NUR 630. Advanced Holistic Diagnosis. 3 Credits. This course expands on assessment across the lifespan with attention to complex systems. The processes underlying diagnostic decision making are explored and a variety of simple office procedures such as suturing and splinting are taught.

Prerequisites: Take NUR 520 NUR 520L.
Corequisites: Take NUR 630L.
Offered: Every year, Spring

NUR 630L. Advanced Holistic Diagnosis Lab. 2 Credits. This lab must be taken with NUR 630. (2 lab hrs.)

Prerequisites: Take NUR 520 NUR 520L.
Corequisites: Take NUR 630.
Offered: Every year, Spring

NUR 631. Introduction to Clinical Practicum and Seminar. 1 Credit. This course introduces students to clinical practice and includes an online seminar. Students apply advanced health assessment skills to assess patients across the adult lifespan. Students are expected to perform focused and full histories and physicals, formulate differential diagnoses, order appropriate laboratory testing and begin to develop treatment plans. Presentation of patient cases, appropriate clinical documentation, and the DNP role are emphasized.

Prerequisites: Take NUR 630 NUR 630L.
Offered: Every year, Summer

NUR 632. Health Promotion and Advocacy. 3 Credits. Health promotion, advocacy and mental health problems encountered in primary care settings are considered. A holistic approach to clients from adolescence to senescence is emphasized. Evidence-based guidelines and research are integrated to develop nursing strategies for health promotion and prevention.

Offered: Every year, Fall

NUR 633. Clinical Simulation. 1 Credit. This course is designed to enhance nurse practitioner students' clinical examination and documentation skills. Students participate in individual and group simulated case scenarios and document appropriate notes for faculty review. Discussion of cases in a seminar setting is included. Emphasis is placed on the holistic assessment of individuals and/or families according to their needs. Low faculty-to-student ratios allow for individualized instruction to improve clinical assessment skills and documentation. The course is conducted five hours per day for three days prior to the start of the fall semester.

Prerequisites: Take NUR 643 or NUR 653.
Offered: Every year, Summer

NUR 634. Reproductive Health Problems in Primary Care. 3 Credits. Gender-related problems in primary care across the lifespan are the focus of this course. Selected alternative and complimentary therapies are included.

Corequisites: Take NUR 520 NUR 520L.
Offered: Every year, Fall and Summer

NUR 636. Common Problems in Primary Care. 3 Credits. This course considers diagnoses of common problems encountered in primary care settings. Evidence-based, multidisciplinary management approaches to selected health problems also are discussed. Assessment and management of the selected problems include attention to cultural traditions, alternative treatments and socioeconomic policies that affect the delivery of care. The course is grounded by a holistic approach to care; case studies are used to promote clinical reasoning.

Prerequisites: Take NUR 631.
Offered: Every year, Fall

NUR 637. Clinical Fellowship. 4 Credits. This intensive clinical experience allows for deepened clinical practice in a flexible timeframe. The 240-hour requirement can be completed in six weeks as a full-time practice, or in two- or three-day practice allotments throughout the summer. This course comes at the end of the student's sequence of clinical courses. A clinical seminar prepares students for the national certification exam and future clinical practice. This course is graded on a pass/fail basis.

Prerequisites: Take NUR 647 or NUR 657.
Offered: Every year, Spring

NUR 638. Laboratory Diagnosis. 2 Credits. This course introduces students to selected laboratory tests, including cardiac and pulmonary testing. Students discuss the use and interpretation of diagnostics in a variety of primary care problems. Attention to financial considerations in the selection of diagnostics is emphasized.

Prerequisites: Take NUR 522 NUR 630 NUR 630L.
Offered: Every year, Summer Online

NUR 640. Special Topics in Adult and Geriatric Psychopharmacology. 1 Credit. The perspective of psychiatric neuroscience addresses the actions and interactions of drugs on the brain, the impact in the central nervous system, and interprets the behavioral consequences of psychiatric medications. Common psychiatric medications seen with adults and geriatric patients in primary care settings are considered. A holistic approach to adult and geriatric patients is emphasized. Evidence-based guidelines and research are integrated to develop nursing strategies for best practices in psychopharmacology.

Prerequisites: Take NUR 647.
Offered: Every year, Spring
NUR 641. Adult Health Practicum and Seminar I. 3 Credits.
This course integrates the principles of primary care nursing and includes a mentored practicum with a clinical seminar. Students apply advanced practice skills to manage acute and chronic health problems across the adult lifespan. Appropriate clinical documentation, case presentation and use of web-based clinical resources are emphasized. 
Prerequisites: Take NUR 631.
Offered: Every year, Fall

NUR 642. Complex Problems in Primary Care. 3 Credits.
This course focuses on selected complex, urgent or less frequently encountered problems of primary care across the lifespan from adolescence to senescence. An opportunity to refine differential diagnosis and management of challenging health concerns in diverse populations is provided by the use of case studies. 
Prerequisites: Take NUR 636; and NUR 641 or NUR 651.
Offered: Every year, Spring

NUR 643. Adult Health Practicum and Seminar II. 3 Credits.
This course includes a mentored practicum with clinical seminar and provides further opportunity for advanced nursing practice with diverse adult populations. Students refine primary care skills including appropriate documentation, differential diagnosis, case presentation and technology utilization with attention to cost-effective and evidence-based approaches to care. 
Prerequisites: Take NUR 641.
Offered: Every year, Spring

NUR 645. Adult Health Practicum and Seminar III. 3 Credits.
This course includes a mentored practicum experience of 240 hours and an online seminar. It provides continued opportunity for advanced holistic practice with adults. Seminar prepares students for certification and licensure as adult-gerontology nurse practitioners. 
Prerequisites: Take NUR 643
Offered: Every year, Summer Online

NUR 647. Adult Health Practicum and Seminar IV. 3 Credits.
This course includes a mentored clinical practicum with a clinical seminar, and provides continued opportunity for holistic nursing practice with families at an advanced level. Students are expected to manage the process of patient care with increasing confidence, efficiency and accuracy. Cost-effectiveness, evidence-based practice, ethical dilemmas, cultural sensitivity and preparation for entry to licensed practice are emphasized. 
Prerequisites: Take NUR 633.
Offered: Every year, Fall

NUR 650. Special Topics in Family Psychopharmacology. 1 Credit.
The perspective of psychiatric neuroscience addresses the actions and interactions of drugs on the brain, the impact in the central nervous system, and interprets the behavioral consequences of psychiatric medicines. Common psychiatric medications seen with patients across the lifespan in primary care settings are considered. A holistic approach to patients across the lifespan is emphasized. Evidence-based guidelines and research are integrated to develop nursing strategies for best practices in psychopharmacology. 
Prerequisites: Take NUR 657.
Offered: Every year, Spring

NUR 651. Family Health Practicum and Seminar I. 3 Credits.
This course includes a mentored practicum experience and a clinical seminar. Health promotion and assessment of health problems within family systems are emphasized. Students learn primary care skills including appropriate documentation, differential diagnosis, case presentation and technology utilization with attention to cost-effective and evidence-based approaches to care. 
Prerequisites: Take NUR 631.
Offered: Every year, Fall

NUR 652. Primary Care of the Child and Family I. 3 Credits.
This course focuses on health care of the child within the family system. Comprehensive assessment, clinical decision-making and strategies to facilitate health promotion and health restoration of individuals within family systems are emphasized. 
Prerequisites: Take NUR 631.
Offered: Every year, Fall

NUR 653. Family Health Practicum and Seminar II. 3 Credits.
This course includes a mentored practicum experience of 120 hours and a weekly clinical seminar. It provides an opportunity for nursing practice with families at an advanced level. Comprehensive assessment, clinical decision-making and strategies to facilitate health promotion and health restoration of individuals within family systems are emphasized. 
Prerequisites: Take NUR 651.
Offered: Every year, Spring

NUR 654. Primary Care of the Child and Family II. 3 Credits.
This course continues the focus on health care of the child within the family system. Primary care management is emphasized. 
Prerequisites: Take NUR 651 NUR 652.
Offered: Every year, Spring

NUR 655. Family Health Practicum and Seminar III. 3 Credits.
This course includes a mentored practicum experience of 240 hours and an online seminar. It provides continued opportunity for advanced holistic practice with families. Seminar prepares students for certification and licensure as family nurse practitioners. 
Prerequisites: Take NUR 653.
Offered: Every year, Summer Online

NUR 656. Pediatric Assessment. 1 Credit.
This course discusses holistic health assessment of newborns, infants, children and adolescents. Assessment of normal growth and development is presented, as is assessment of common pediatric primary care problems. 
Prerequisites: Take NUR 630 NUR 630L.
Offered: Every year, Summer Online

NUR 657. Family Health Practicum and Seminar IV. 3 Credits.
This course includes a mentored practicum experience of 120 hours and a weekly clinical seminar. Students are expected to manage the process of patient care with increasing confidence, efficiency and accuracy. Cost-effectiveness, evidence-based practice, ethical dilemmas, cultural sensitivity and preparation for entry to licensed practice are emphasized. 
Prerequisites: Take NUR 633.
Offered: Every year, Fall

NUR 658. Geriatric Assessment. 1 Credit.
This course discusses holistic health assessment of geriatric patients. Assessment of the normal changes of aging is presented, as is functional assessment and common geriatric care problems. 
Prerequisites: Take NUR 630 NUR 630L.
Offered: Every year, Summer Online
NUR 670. Basic Principles of Anesthesia II.  3 Credits.
The course continues the basic principles of anesthesia and covers a variety of basic concepts needed to begin to assess patients pre-operatively for an anesthetic, care for them intra-operatively, and safely deliver them to the post-operative care unit. This continuation of the basic principles introductory course is offered in conjunction with the beginning of the clinical practicum. Students discuss and cover topics in anesthesia that they will be exposed to in the clinical area during their introduction. Time in the simulation lab is included.
Prerequisites: Take NUR 696.
Offered: Every year, Spring

NUR 670L. Basic Principles of Anesthesia II Lab.  2 Credits.
This course teaches the student hands on administration of regional and pain blocks using simulation and cadaver models. The lab complements the lectures given in NUR 670.
Prerequisites: Take NUR 696 NUR 672.
Corequisites: Take NUR 670.
Offered: Every year, Spring

NUR 671. Clinical Practicum I.  2 Credits.
Individual clinical practice arranged with clinical coordinator. All-day clinical practice, 4 days per week. The student follows the hours of CRNA practice at each clinical site.
Prerequisites: Take NUR 696.
Offered: Every year, Spring

NUR 672. Advanced Pharmacology II.  3 Credits.
This course is a continuation of Advanced Pharmacology and Basic Principles of Anesthesia I (NUR 696) and expands on the administration of many of the drugs used in the practice of anesthesia. Students practice the administration of blocks used in anesthesia using patient simulators before administration to patients in clinical practice. Students are introduced to the pharmacology and corresponding physiology pertinent to the delivery of anesthetic care for many adjuvant drugs. Drugs used in the treatment of many comorbid conditions and their effects on and with those used in anesthesia are covered. Additional adjunct drugs used for cardiopulmonary support and pain control also are covered.
Prerequisites: Take NUR 696.
Offered: Every year, Summer

NUR 673. Clinical Practicum II.  2 Credits.
Individual clinical practice is arranged with the clinical coordinator. All-day clinical practice continues four days per week. The student follows the hours of CRNA practice at each clinical site. A clinical conference is held once per week.
Prerequisites: Take NUR 671.
Offered: Every year, Summer

NUR 674. Professional Aspects of Nurse Anesthesia Practice I.  1 Credit.
This course covers practice issues that pertain to the nurse anesthetist. Topics include legal aspects and scope of practice, our national association and the structure and functions of the autonomous councils, quality assurance and the business of anesthesia. Students explore their role in the political arena, and have an opportunity in a seminar format to discuss the issues concerning health care policy and the role of the CRNA. Attendance at the AANA Midyear Assembly is required for the nurse anesthesia student to provide an opportunity to visit with legislators and lobby on Capitol Hill.
Offered: Every year, Spring

NUR 675. Clinical Practicum III.  2 Credits.
Individual clinical practice is arranged with the clinical coordinators. Students participate in full-day clinical practice, and follow the hours of CRNA practice at each clinical site. A clinical conference is held once per week.
Prerequisites: Take NUR 673.
Offered: Every year, Fall

NUR 676. Professional Aspects of Nurse Anesthesia Practice II.  1 Credit.
The class covers the importance of personal wellness and stress management for the nurse anesthesia student and the practicing CRNA. Students become familiar with integrated therapies and behaviors used to create wellness and balance. Multiple factors related to chemical dependence and substance abuse are studied. Participants also discuss the importance of cultural sensitivity and diversity in health care.
Offered: Every year, Fall

NUR 677. Clinical Practicum IV.  2 Credits.
Individual clinical practice is arranged with the clinical coordinator. All-day clinical practice continues four days per week. The student follows the hours of CRNA practice at each clinical site. A call component is included in the semester. A clinical conference is held once a week.
Prerequisites: Take NUR 675.
Offered: Every year, Spring

NUR 678. Professional Aspects of Nurse Anesthesia Practice III.  1 Credit.
This course discusses educational leadership as it pertains to the role of the clinical preceptor and educator. Topics include curriculum development, evaluation and the role of the clinical educator. At the completion of this course, students present their scholarly projects at a final assembly.
Offered: Every year, Spring

NUR 679. Clinical Practicum V.  2 Credits.
Individual clinical practice is arranged with the clinical coordinator. All-day clinical practice continues four days per week. The student follows the hours of CRNA practice at each clinical site. A call component is included in the semester. A clinical conference is held once a week.
Prerequisites: Take NUR 677.
Offered: Every year, Summer

NUR 680. Physics, Chemistry, Equipment and Technology for Nurse Anesthetists.  4 Credits.
This course includes an extensive study of key concepts pertaining to organic, biochemistry and physics as they relate to anesthesia. Topics include medical mathematics and conversion factors, the gas laws, biochemistry of fluids and electrolytes, acid-base and buffers systems, electrical circuits, reviews of organic chemistry including the functional groups and physical principles that are relevant. Equipment and technology used in anesthetic practice also are studied in this course. Students have an opportunity to utilize common anesthetic equipment in the laboratory setting.
Prerequisites: Take NUR 696 NUR 670 NUR 672.
Offered: Every year, Summer

NUR 681. Clinical Practicum VI.  2 Credits.
This course is a continuation of the advanced clinical practicum. A clinical conference is held each week.
Prerequisites: Take NUR 679.
Offered: Every year, Fall
NUR 682. Advanced Principles of Anesthesia I.  3 Credits.
This course covers the administration and management of anesthesia to patients with special considerations. Anatomy and physiology that relate to the practice of anesthesia are discussed as well as other important areas requiring knowledge in the administration of anesthesia.
Prerequisites: Take NUR 696 NUR 670 NUR 672.
Offered: Every year, Summer

NUR 683. Clinical Practicum VII.  2 Credits.
This course is a continuation of the advanced clinical practicum. A clinical conference is held each week. Students present their scholarly projects at an assembly at the end of the semester.
Prerequisites: Take NUR 681.
Offered: Every year, Summer

NUR 684. Advanced Principles of Anesthesia II.  3 Credits.
This course covers the fundamental concepts essential to clinical anesthesia practice in the obstetric and pediatric populations.
Prerequisites: Take NUR 682 or NUR 692.
Offered: Every year, Fall

NUR 685. Clinical Practicum for Post-Master's I.  1 Credit.
This is the first of the clinical components of the nurse anesthesia doctoral program for post-master's CRNAs. Students select a specific topic in their chosen area of clinical focus. Clinical exploration of the selected topic is done with the guidance of their adviser. The student selects studies and readings to support the selected topic.
Offered: Every year, Fall Online

NUR 686. Advanced Principles of Anesthesia III.  3 Credits.
The administration and management of cardiac anesthesia are covered in this course. Anatomy and physiology that relate to the practice of anesthesia for this specialty are studied as well as emergency events relating to cardiac anesthesia, its considerations and disease processes.
Prerequisites: Take NUR 682 NUR 684 NUR 670.
Offered: Every year, Spring

NUR 687. Clinical Practicum for Post-Master's II.  1 Credit.
This is the second of the clinical components of the nurse anesthesia doctoral program for post-master's CRNAs. The students continue to work on their area of focus in the clinical arena. Clinical exploration and the formulation of an abstract and bibliography of this selected topic are done with guidance of their adviser.
Offered: Every year, Spring Online

NUR 688. Human Factors and Patient Safety.  3 Credits.
This course examines issues related to human error and patient safety with an emphasis on crisis management. Students explore the theoretical basis of human error, patient safety and quality assurance in health care. This course introduces a systems approach to error investigation and analysis, and integrates concepts of teamwork, crisis management, simulation and monitoring systems in medical practice.
Offered: Every year, Fall and Spring

NUR 689. Clinical Practicum/Patient Safety Seminar for Post-Master's III.  2 Credits.
The students continue to work on their area of focus in the clinical arena. The students complete the rough draft of their work during this semester. Each student analyzes an anesthesia-related critical event by presenting a Journal Club and discussion.
Prerequisites: Take NUR 685 NUR 687 NUR 688.
Offered: Every year, Summer Online

NUR 690. Advanced Principles of Anesthesia IV.  2 Credits.
This course covers more advanced practices in anesthesia and expands on previous advanced principles course work.
Prerequisites: Take NUR 686.
Offered: Every year, Summer

NUR 691. Clinical Practicum/Patient Safety Seminar for Post-Master's IV.  2 Credits.
This is the fourth of the clinical components of the nurse anesthesia doctoral program. Students complete their projects and submit for possible publication. The accompanying seminar focuses on areas in patient safety.
Prerequisites: Take NUR 689.
Offered: Fall Online

NUR 692. Clinical Case Study Presentation.  1 Credit.
This course gives the students an opportunity to present clinical case study. Peer review and faculty review are used for assessment.
Offered: Every year, Spring

NUR 695. Anesthesia Seminar I.  2 Credits.
Anesthesia Seminar I and II prepare the student to take the National Certification Exam (NCE). Students begin an extensive review of Basic Principles, Equipment and Technology, Basic and Advanced Principles, Pharmacology and Physiology in this first seminar. Practice exams are administered periodically and clinical scenarios are used to assess and challenge student knowledge and critical thinking. Students take the SEE (Self Evaluation Examination) exam at the end of this semester.
Prerequisites: Completion of all anesthesia core courses.
Offered: Every year, Fall

NUR 696. Advanced Pharmacology and Basic Principles of Anesthesia I.  4 Credits.
The course precedes the anesthesia clinical practicum and covers a variety of basic concepts needed to begin to assess patients pre-operatively for an anesthetic, care for them intra-operatively and safely deliver them to the post-operative care unit. An introduction to the principles of advanced pharmacology and the primary classes of agents utilized in anesthetic practice is included.
Offered: Every year, Fall

NUR 697. Anesthesia Seminar II.  2 Credits.
This course is the second Anesthesia Seminar, which prepares the student to take the National Certification Exam (NCE). Students continue to take the SEE (Self Evaluation Examination) until a benchmark score is obtained. Students formulate a written plan of study for use during this semester. Each student reviews and implements the individualized plan with input from the adviser. Organized and systematic review of materials in the key anesthesia courses of the program occurs.
Prerequisites: Completion of all anesthesia core courses and NUR 695;
Offered: Every year, Spring

NUR 698. Human Physiology Seminar.  1 Credit.
Students select a topic in human physiology for presentation to the group. The topic is selected from one of the systems studied in the Human Physiology course and must be approved by the professor. This provides the students with an opportunity to improve their public speaking skills and also to gather valuable information on physiology from other presenters.
Corequisites: Take PY 501.
Offered: Every year, Summer

NUR 699. Independent Study.  1-6 Credits.
Offered: As needed