

NURSE ANESTHESIA (NRSA)

NRSA 601. Principles and Practice of Nurse Anesthesia I. 3 Hours.

Semester course; 3 lecture hours. 3 credits. Introduces the nurse anesthesia graduate student to concepts necessary to plan and execute safe and individualized anesthetics. Covers formulation of the anesthesia care plan, anesthetic techniques, prevention of complications, fluid management, monitoring and utilization of anesthesia equipment.

NRSA 602. Principles and Practice of Nurse Anesthesia II. 3 Hours.

Semester course; 2 lecture hours. 3 credits. Second in a series of six principles and practice courses. Presents fundamental concepts and techniques essential to clinical anesthesia practice focusing on the theoretical and practical considerations involved in the administration and management of major nerve conduction anesthesia and acute pain management.

NRSA 603. Principles and Practice of Nurse Anesthesia III. 3 Hours.

Semester course; 3 lecture hours. 3 credits. Third in a series of six principles and practice courses. Delineates techniques of anesthesia management that are considered situation specific for specialized procedures, diagnostic or individualized procedures including advanced airway management and anesthesia care individualized for the patient with cardiovascular and respiratory conditions.

NRSA 604. Principles and Practice of Nurse Anesthesia IV. 2 Hours.

Semester course; 2 semester hours. 2 credits. Fourth in a series of six principles and practice courses. Intensively covers the advanced concepts and principles of anesthetic management with an emphasis on pediatric, obstetric, endocrine and hematological disorders.

NRSA 605. Principles and Practice of Nurse Anesthesia V. 2 Hours.

Semester course; 2 lecture hours. 2 credits. Fifth in a series of six principles and practice courses. Intensively covers the advanced concepts and principles of anesthetic management with an emphasis on neuro-anesthesia and anesthesia delivery in specialty settings.

NRSA 606. Principles and Practice of Nurse Anesthesia VI. 2 Hours.

Semester course; 2 lecture hours. 2 credits. Last in a series of six principles and practice courses. Intensively covers the advanced concepts and principles of anesthetic management with an emphasis on crisis management.

NRSA 611. Advanced Physiological Concepts for the Nurse Anesthetist. 1 Hour.

Semester course; 1 lecture hour. 1 credit. Analyzes complex relationships between body systems and anesthesia. Demonstrates how advanced concepts of physiology and biochemistry relate to concepts of anesthesia theory and practice.

NRSA 620. Advanced Health Assessment for Nurse Anesthetists I. 1 Hour.

Semester course; 1 lecture hour. 1 credit. Provides a systematic approach to advanced health assessment emphasizing best research evidence, cultural competence and anesthetic implications. Accentuates advanced pre-operative and postoperative concepts, diagnosis and approaches for the assessment of human systems in the anesthesia setting focusing on the pulmonary (upper and lower airway), hematologic and vascular systems. Reviews cardinal techniques of inspection, palpation, percussion and auscultation.

NRSA 621. Advanced Health Assessment for Nurse Anesthetists II. 1 Hour.

Semester course; 1 lecture hour. 1 credit. Provides a systematic approach to advanced health assessment emphasizing best research evidence, cultural competence and anesthetic implications. Accentuates advanced pre-operative and post-operative concepts, diagnosis and approaches for the assessment of human systems in the anesthesia setting focusing on the neurological, cardiovascular, gastrointestinal and musculoskeletal systems.

NRSA 622. Clinical Practicum I-II. 1 Hour.

Continuous courses; 112 clock hours (I) and 3 lecture hours (II). 1 credit (I) and 3 credits (II). Introduces clinical care with supervised participation in actual administration of anesthesia. Demonstrates internalization of theoretical concepts and techniques and application in anesthetic management toward the achievement of the terminal objectives for competency in entry-level anesthesia practice. NRSA 623 graded as S/U/F.

NRSA 623. Clinical Practicum I-II. 3 Hours.

Continuous courses; 112 clock hours (I) and 3 lecture hours (II). 1 credit (I) and 3 credits (II). Introduces clinical care with supervised participation in actual administration of anesthesia. Demonstrates internalization of theoretical concepts and techniques and application in anesthetic management toward the achievement of the terminal objectives for competency in entry-level anesthesia practice. NRSA 623 graded as S/U/F.

NRSA 624. Clinical Practicum III. 6 Hours.

675 clock hours. 6 credits. Provides intensive experience in all clinical anesthesia areas. All course work represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasis on greater responsibility for a total anesthetic regime along the educational experiential continuum.

NRSA 625. Clinical Practicum IV. 6 Hours.

675 clock hours. 6 credits. Provides intensive experience in all clinical anesthesia areas. All course work represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasis on greater responsibility for a total anesthetic regime along the educational experiential continuum.

NRSA 626. Clinical Practicum V. 6 Hours.

675 clock hours. 6 credits. Provides intensive experience in all clinical anesthesia areas. All course work represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasis on greater responsibility for a total anesthetic regime along the educational experiential continuum.

NRSA 627. Clinical Practicum VI. 6 Hours.

675 clock hours. 6 credits. Provides intensive experience in all clinical anesthesia areas. All course work represents an integral phase of sequenced clinical progress toward the achievement of competency in entry-level anesthesia practice. Includes clinical rotations to various affiliate sites to gain experience in management of specialized anesthetic considerations. Emphasis on greater responsibility for a total anesthetic regime along the educational experiential continuum.

NRSA 633. Pathophysiology for Nurse Anesthetists. 3 Hours.

Semester course; 3 lecture hours. 3 credits. Covers various pathological conditions and diseases of specific concern to the anesthesia provider with an emphasis on cardiovascular, respiratory, excretory, endocrine, infectious diseases, nutritional, neuromuscular and neurological disorders.

NRSA 642. Professional Aspects of Anesthesia Practice I. 1 Hour.

Semester course; 1 lecture hour. 1 credit. Provides the graduate nurse anesthesia student an opportunity to focus on a variety of professional issues including but not restricted to the history of nurse anesthesia, roles of the nurse anesthetist and the American Association of Nurse Anesthetists, professional involvement, governmental and nongovernmental regulations of nurse anesthesia practice and standards of care.

NRSA 645. Professional Aspects of Anesthesia Practice II. 1 Hour.

Semester course; 1 lecture hour. 1 credit. Provides the graduate nurse anesthesia student an opportunity to focus on a variety of professional issues including but not restricted to health care delivery systems, assessing and selecting practice settings and employment options, medical ethics and chemical dependency.

NRSA 647. Professional Aspects of Anesthesia Practice III. 1 Hour.

Semester course; 1 lecture hour. 1 credit. Provides the graduate nurse anesthesia student an opportunity to focus on a variety of professional issues including but not restricted to reimbursement, influencing health care policy, competence, quality assessment, risk management, departmental management, nurse anesthesia and the legal system, documentation of anesthesia care and current issues and their potential effects on the profession of nurse anesthesia.

NRSA 676. Teaching Methodologies for the Nurse Anesthetist. 2 Hours.

Semester course; 2 lecture hours. 2 credits. Covers principles of teacher/learner communication, presentation strategies and methods of evaluation pertinent to nurse anesthesia education and includes instructional tools, their application and instructional design.

NRSA 683. Research Methods in Nurse Anesthesia Practice. 3 Hours.

Semester course; 3 lecture hours. 3 credits. Required of all nurse anesthesia students. Understands and applies the steps involved in the research process. Emphasizes concepts, procedures and processes appropriate for use in research. Develops a research proposal by exploring a topic in the area of anesthesiology. Applies inferential and advanced statistical tests to hypothetical data. Critically analyzes and evaluates anesthesia research studies.

NRSA 684. Evidence-based Decision Making in Nurse Anesthesia. 3 Hours.

Semester course; 3 lecture hours. 3 credits. Focuses on providing a foundation in the literature relevant to nurse anesthesia practice. Emphasis placed on establishing a scientific framework for clinical interventions and critiquing the literature in a systematic fashion. Course will culminate in a broad overview of scientific foundations for nurse anesthesia practice in selected domains.

NRSA 701. Human Factors and Patient Safety for Nurse Anesthetists. 3 Hours.

Semester course; 3 lecture hours. 3 credits. Explores the theoretical basis of human error, patient safety and quality assurance in anesthesia care. Introduces a systems approach to error investigation and analysis. Integrates concepts of teamwork, crisis management, simulation and monitoring systems in anesthesia practice. Crosslisted as: DNAP 701.