

# NURSING ANESTHESIOLOGY (NUAN)

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## **NUAN 443. Professional Role. 1 Unit.**

This course will explore the role of the Certified Registered Nurse Anesthetist. Emphasis will be placed on the historical development of the role, regulation of practice, professional organizations, and professional practice standards and guidelines.

## **NUAN 450. Pharmacological Strategies in Anesthesia Practice. 2 Units.**

This course will provide a comprehensive analysis of anesthetic agents, adjunct drugs, and pharmacologic principles related to the practice of anesthesia. The interaction between anesthetic agents and other pharmacologic therapy will be identified. (Admission to program or permission of instructor required.)

## **NUAN 458. Principles of Anesthesia I. 4 Units.**

This course will introduce the student to the practice of nurse anesthesia. Emphasis will be placed on development of foundational knowledge, skills, and techniques necessary for delivery of safe, effective anesthesia care across the lifespan. This will be the first of two courses to provide an overview of the fundamentals of anesthesia practice. This course will focus on knowledge and skills necessary to deliver safe anesthesia care. (Enrollment in nurse anesthesia program)

## **NUAN 459. Principles of Anesthesia II. 4 Units.**

This course will introduce the student to the practice of nurse anesthesia. Emphasis will be placed on development of foundational knowledge, skills, and techniques necessary for delivery of safe, effective anesthesia care across the lifespan. This will be the second of two courses to provide an overview of the fundamentals of anesthesia practice. This course will focus on principles applicable to specific patient populations. Prereq: NUAN 458.

## **NUAN 460. Advanced Principles of Anesthesia I. 4 Units.**

This course will provide an in-depth exploration of the anatomy, physiology, and pathophysiology of the cardiovascular, respiratory, and hematologic systems in the context of anesthesia care. Implications of disease states in these systems for all types of surgery will be explored, with emphasis on anesthetic management of surgical procedures related to these systems. Prereq: NUAN 459.

## **NUAN 461. Advanced Principles of Anesthesia II. 3 Units.**

This course will provide an in-depth exploration of the anatomy, physiology, and pathophysiology of the renal, endocrine, immunologic, musculoskeletal, hepatobiliary, and neurologic systems in the context of anesthesia care. Implications of disease states in these systems for all types of surgery will be explored, with emphasis on anesthetic management of surgical procedures related to these systems. Prereq: NUAN 460.

## **NUAN 462. Advanced Principles of Anesthesia III. 3 Units.**

This course will provide an in-depth exploration of the anatomy, physiology, and pathophysiology of pediatric, obstetric, geriatric, and obese patients within the context of anesthesia care. Implications of physiologic changes across the lifespan will be explored, with emphasis on the anesthetic management of anesthetic and surgical procedures related to these patient populations. Prereq: NUAN 461.

## **NUAN 507. Nurse Anesthesia Practice Management. 1 Unit.**

This course will focus on management, entrepreneurial concepts, and topics related to nurse anesthesia practice. Seminars will focus on integrating legal, fiscal, quality improvement, and other factors that affect environments of care. Prereq: Enrolled in DNP Anesthesia program or Requisites Not Met permission.

## **NUAN 550A. Anesthesia Seminar I. 1 Unit.**

This course is the first of a three-course sequence designed to examine the current body of knowledge related to nurse anesthesia practice. Emphasis will be placed on analysis of theory and evidence, and application of research outcomes. Prereq: NUAN 462.

## **NUAN 550B. Anesthesia Seminar II. 1 Unit.**

This course is the second of a three-course sequence designed to examine the current body of knowledge related to nurse anesthesia practice. Emphasis will be placed on analysis of theory and evidence, and application of research outcomes. Prereq: NUAN 550A.

## **NUAN 550C. Anesthesia Seminar III. 1 Unit.**

This course is the third of a three-course sequence designed to examine the current body of knowledge related to nurse anesthesia practice. Emphasis will be placed on analysis of theory and evidence, and application of relevant research outcomes. Prereq: NUAN 550B.

## **NUAN 551A. Nurse Anesthesia Advanced Clinical Practicum I. 1 Unit.**

This course will emphasize nurse anesthesia care for individuals with complex medical conditions, or those who require increasingly complex procedures. Students will demonstrate advanced monitoring techniques, safe use of pharmacologic agents, and the management of high-stress situations. Prereq: NUAN 462.

## **NUAN 551B. Nurse Anesthesia: Advanced Clinical Practicum II. 1 Unit.**

This course will emphasize nurse anesthesia care for individuals with complex medical conditions, or those who require increasingly complex procedures. Students will demonstrate advanced monitoring techniques, safe use of pharmacologic agents, and the management of high-stress situations. Prereq: NUAN 551A.

## **NUAN 551C. Nurse Anesthesia -Advanced Clinical Practicum III. 1 Unit.**

This course will emphasize nurse anesthesia care for individuals with complex medical conditions, or those who require increasingly complex procedures. Students will demonstrate advanced monitoring techniques, safe use of pharmacologic agents, and the management of high-stress situations. Prereq: NUAN 551B.

## **NUAN 551D. Nurse Anesthesia-Advanced Clinical Practicum IV. 1 Unit.**

This course will emphasize nurse anesthesia care for individuals with complex medical conditions, or those who require increasingly complex procedures. Students will demonstrate advanced monitoring techniques, safe use of pharmacologic agents, and the management of high-stress situations. Prereq: NUAN 551C.

## **NUAN 552. Nurse Anesthesia: Advanced Practice II. 1 - 5 Units.**

The continuation of advanced, independent clinical nurse anesthesia administration. Emphasis is on management of higher risk patients for more difficult procedures, performing total anesthetic care with minimum of anesthesiologist supervision, and readiness for transition from student to graduate status. Prereq: NUAN 551A and NUAN 551B and NUAN 551C.