

NURSE ANESTHESIA

Offices: 4601-4606 CPHS

Program Director: Mary Walczyk, DNP, CRNA; 4601 CPHS; 313-577-7689; mary.walczyk@wayne.edu

Assistant Program Director: Jessica Phillips, PhD, CRNA; 313-577-9239; jessica.montrief@wayne.edu

<https://cphs.wayne.edu/nurse-anesthesia/> (<https://cphs.wayne.edu/nurse-anesthesia/>)

The mission of the Doctor of Nurse Anesthesia Practice is to build on the theoretical foundations of nursing and to provide new and advanced knowledge in understanding the science and art of nurse anesthesia practice. The program promotes research activities to enhance the knowledge and understanding of best practices essential to the delivery of quality and safe anesthesia practices to diverse patient populations. Graduates are eligible to take the National Certification Examination (NCE) given by the National Board of Certification and Recertification for Nurse Anesthetists (NBCRNA). The nurse anesthesia program is offered full-time only.

Accreditation

The program is fully accredited by the Council on Accreditation (COA) of Nurse Anesthesia Educational Programs.

GILL, CHRISTOPHER: Ph.D., Northeastern University; M.B.A., University of Illinois, Urbana Campaign; M.S., Wayne State University; M.S.N., Salem State College; B.A. Saint Anselm College; Assistant Professor (Clinical)

HAGLUND, VALDOR L.: M.S., B.S., Wayne State University; Assistant Professor (Clinical)

KIESZNOWSKI, JOSEPH C.: M.S., Wayne State University; B.S., Liberty University; Assistant Professor (Clinical)

PHILLIPS, JESSICA: Ph.D, M.S., Wayne State University; B.S., B.A., University of Michigan; Assistant Professor (Clinical)

RUSH, JOANNE E.: D.N.P., University of Iowa, M.S., Wayne State University, B.S., University of Texas, Arlington; Assistant Professor (Clinical)

WALCZYK, MARY L.: D.N.P, University of Detroit Mercy; M.S., Wayne State University; B.S., Mercy College of Detroit; Assistant Professor (Clinical)

YOUNG, GEORGIA: D.N.A.P., Texas Wesleyan University; M.S., University of Detroit Mercy, B.S., Saint Joseph's College of Maine; Assistant Professor (Clinical)

- Nurse Anesthesia Practice (D.N.A.P.) (<http://bulletins.wayne.edu/graduate/college-pharmacy-health-sciences/health-care-sciences/anesthesia-nurse/nurse-anesthesia-practice-dnap/>)
- Pediatric Anesthesia (Graduate Certificate) (<http://bulletins.wayne.edu/graduate/college-pharmacy-health-sciences/health-care-sciences/anesthesia-nurse/pediatric-anesthesia-graduate-certificate/>)

AN 7010 Advanced Health Assessment and Clinical Diagnosis Cr. 3

Advanced systematic focus on health assessment, anatomical and physical limitations, and impact on anesthesia practice. Offered Fall.

Restriction(s): Enrollment is limited to Graduate level students.

Course Material Fees: \$10

Equivalent: PHC 7021

AN 7020 Practicum and Simulation I Cr. 2

Continuation of AN 7010. Offered Winter.

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7030 Advanced Clinical Practicum II Cr. 2

Continuation of AN 7020. Offered Spring/Summer.

Prerequisites: AN 7020

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7040 Clinical Anesthesia Practicum III Cr. 2

Continuation of AN 7030. Offered Fall.

Prerequisites: AN 7030

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7050 Clinical Anesthesia Practicum IV Cr. 2

Continuation of AN 7040. Offered Winter.

Prerequisites: AN 7040

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7060 Clinical Anesthesia Practicum V Cr. 3

Continuation of AN 7050. Offered Spring/Summer.

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7070 Clinical Practicum VI Cr. 3

Clinical experiences at diverse clinical settings and varying levels of patient acuity. Offered Fall.

Prerequisite: AN 7060 with a minimum grade of C

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7080 Clinical Practicum VIII Cr. 3

Clinical experiences at diverse clinical settings and varying levels of patient acuity. Offered Winter.

Prerequisite: AN 7070 with a minimum grade of C

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7090 Clinical Practicum Cr. 3

Clinical experiences at diverse clinical settings and varying levels of patient acuity. Offered Spring/Summer.

Prerequisite: AN 7080 with a minimum grade of C

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7100 Advanced Pharmacology I Cr. 3

Prepares students with in-depth knowledge and understanding of the Pharmacokinetics and Pharmacodynamics for the nurse anesthetist. Offered Fall.

Restriction(s): Enrollment is limited to Graduate level students.

Course Material Fees: \$15

Equivalent: PHC 7031

AN 7110 Advanced Pharmacology II Cr. 3

Prepares students with in-depth knowledge and understanding of the Pharmacokinetics and Pharmacodynamics for the anesthetist. Offered Winter.

Restriction(s): Enrollment is limited to Graduate level students.

Course Material Fees: \$15

Equivalent: PHC 7032

AN 7150 Principles of Anesthesia I Cr. 3

Principles and usage of all anesthesia equipment including electronic instrumentation. Theoretical exploration of various techniques of anesthesia. Offered Winter.

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$15

AN 7160 Principles of Anesthesia II Cr. 3

Advanced knowledge in application and use of modern anesthesia monitoring technology. Offered Winter.

Prerequisites: AN 7150

Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students in the Pharmacy and Health Sciences.

Course Material Fees: \$15

AN 7170 Principles of Anesthesia III Cr. 3

Continuation of AN 7160. Offered Fall.

Prerequisites: AN 7150

Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students in the Pharmacy and Health Sciences.

Course Material Fees: \$10

AN 7181 Advanced Principles of Anesthesia IV Cr. 3

Continuation of previously learned concepts and principles of safe anesthesia practice in the treatment and management of multiple comorbidities and disease processes. Offered Winter.

Prerequisite: AN 7170 with a minimum grade of C

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$10

AN 7220 Advanced Physiology Cr. 4

Examine normal physiology with emphasis on the respiratory, renal, cardiovascular, neurological, endocrine, liver functions and associated disease. Offered Fall.

Restriction(s): Enrollment is limited to Graduate level students.

Equivalent: PHC 7221

AN 7240 Advanced Physiology and Pathophysiology I Cr. 3

Advanced knowledge in physiology; in-depth analysis of disease processes; correlation of pathophysiology, pharmacology, and advanced principles of anesthesia care. Offered Winter.

Restriction(s): Enrollment is limited to Graduate level students.

Course Material Fees: \$10

Equivalent: PHC 7241

AN 7241 Advanced Physiology and Pathophysiology II Cr. 3

An in-depth assessment human physiology, and disease processes to include analysis of cellular structure and functions of the total body system. Offered Spring/Summer.

Restriction(s): Enrollment is limited to Graduate level students.

Equivalent: PHC 7242

AN 7500 Chemistry and Physics for the Anesthetist Cr. 2

Analysis and principles of chemistry and physics as applied to anesthesia. Offered Fall.

Restriction(s): Enrollment is limited to Graduate level students.

Course Material Fees: \$20

Equivalent: PHC 7501

AN 7600 Regional Anesthesia and Pain Management Cr. 3

The study and application of regional anesthesia and management and treatment of acute and chronic pain. Offered Fall.

Restriction(s): Enrollment is limited to Graduate level students.

Course Material Fees: \$20

Equivalent: PHC 7601

AN 7640 Research and Statistics for the Anesthetist Cr. 3

Acquire the knowledge on qualitative and quantitative research, obtain data, and develop appropriate method to analyze data and implementation of research findings. Offered Spring/Summer.

Restriction(s): Enrollment is limited to Graduate level students.

Equivalent: PHC 7641

AN 7780 Professional Dimensions Cr. 3

Understanding the history and professional organization roles in ensuring standards of practice and commitment to society. Offered Fall.

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$15

AN 7880 Anesthesia Seminar Cr. 1

Current developments in concepts and theories of nurse anesthesia. Offered Fall, Winter.

Restriction(s): Enrollment is limited to Graduate level students.

Equivalent: PHC 7880

Repeatable for 4 Credits

AN 7890 DNAP Preparation Cr. 2

Provides a introduction to, and the principles of, conducting quality research. Offered Fall.

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

Course Material Fees: \$20

AN 7891 Advanced Clinical Application I Cr. 2

This is designed for comprehensive assessments of students learned scientific, practical and technical knowledge and readiness for the National Board Examination. Offered Winter.

Prerequisite: AN 7181 with a minimum grade of C and AN 7241 with a minimum grade of C

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

AN 7892 Advanced Clinical Application II Cr. 3

A comprehensive assessments of students learned scientific, practical and technical knowledge necessary for safe anesthesia practice and readiness for the National Board Examination. Offered Spring/Summer.

Prerequisite: AN 7891 with a minimum grade of C

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice.

AN 7900 Advanced Pediatric Topics Cr. 2

Detailed advanced lectures in specific pediatric topics. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students in the Pharmacy and Health Sciences.

AN 7901 Leadership in Nurse Anesthesia Practice Cr. 3

Introduces the student to the multiple roles of the advanced practitioner to include historical, professional, political, role development and associated challenges. Offered Spring/Summer.

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice.

AN 7902 Ethics and Health Care Cr. 3

Basic understanding of ethical theories and practice, and new challenges encountered in health care settings. Offered Fall.

Prerequisite: AN 7901 with a minimum grade of C

Restriction(s): Enrollment is limited to Graduate level students.

Equivalent: PHC 7902

AN 7903 Health Care Policy Cr. 3

An overview for understanding healthcare policy, the role of health care providers in the development and implementation of health care policies. Offered Spring/Summer.

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice.

AN 7910 Special Topics in Pediatric Anesthesia Cr. 2

Common pediatric problems; in-depth knowledge on neonatal anesthesia. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students in the Pharmacy and Health Sciences.

AN 7920 Case Presentations Cr. 2

Anatomy and physiology of various diseases including principles of anesthetic management. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students in the Pharmacy and Health Sciences.

AN 8000 Capstone Preparation I Cr. 1

Begin fundamental strategies for research development toward applicable clinical doctoral studies. Offered Winter.

Prerequisite: AN 7890 with a minimum grade of C

Restriction(s): Enrollment is limited to students with a major in Nurse Anesthesia Practice; enrollment is limited to Graduate level students.

AN 8001 Capstone Preparation II Cr. 1

Develop and present appropriate protocol for timely research process. Offered Spring/Summer.

Prerequisite: AN 8000 with a minimum grade of C

Restriction(s): Enrollment is limited to Graduate level students.

AN 8002 Capstone Preparation III Cr. 1

Develop and present appropriate protocol for timely research. Offered Fall.

Prerequisite: AN 8001 with a minimum grade of C

Restriction(s): Enrollment is limited to Graduate level students.

AN 8003 Capstone Completion I Cr. 1

Strategies for data analysis and methodology of research findings. Offered Winter.

Prerequisite: AN 8002 with a minimum grade of C

Restriction(s): Enrollment is limited to Graduate level students.

AN 8004 Capstone Completion II Cr. 1

Strategies for data analysis and methodology to present findings. Offered Spring/Summer.

Prerequisite: AN 8003 with a minimum grade of C

Restriction(s): Enrollment is limited to Graduate level students.