

AN - ANESTHESIA

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.