PHC 5030 Individual Research in Pharmacology Cr. 2-5
Direct participation in laboratory research into the ways drugs affect cell processes, under the supervision of a departmental faculty advisor. Introduction to experimental protocol and current related scientific literature. Offered for graduate credit only. Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.

PHC 6500 Drugs and the Addictive Process Cr. 3
Introduction to general principles of drug action; specific pharmacologic, toxicologic, and pathologic effects of abused drugs; bio-psycho-social bases for addiction. Offered for graduate credit only. Offered Yearly.
Restriction(s): Enrollment is limited to Graduate level students.

PHC 7010 Pharmacology Lecture Cr. 4
Introductory presentation of drug actions on living tissue. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students.

PHC 7021 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: AN 7010

PHC 7031 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: AN 7100

PHC 7032 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: AN 7110

PHC 7221 Advanced Physiology Cr. 4
Examine normal physiology with emphasis on the respiratory, renal, cardiovascular,neurological, endocrine, liver functions and and associated disease. Offered Fall.
Restriction(s): Enrollment is limited to Graduate level students.
Equivalent: AN 7220

PHC 7241 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: AN 7240

PHC 7242 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: AN 7241

PHC 7410 Principles of Toxicology Cr. 3
Basic concepts and principles of toxicology, including toxicity of major classes of chemicals (pesticides, solvents, metals) and organ systems (renal, immune, digestive, neuro and respiratory) affected. Offered Fall.
Restriction(s): Enrollment is limited to Graduate level students.
Equivalent: BIO 7011

PHC 7501 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: AN 7500

PHC 7601 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: AN 7600

PHC 7641 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.
Repeatable for 6 Credits

PHC 7700 Recent Developments in Pharmacology Cr. 1-4
Selected topics and readings in pharmacology. Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.
Repeatable for 12 Credits

PHC 7710 Individual Studies in Pharmacology Cr. 1-8
Enrollment limited to students in a Doctor of Philosophy or Master of Science degrees.
Repeatable for 8 Credits

PHC 7730 Reproductive Sciences: Teratology Cr. 3
Principles of the science of birth defects; focus on impact of environmental poisons, medicines, and drugs of abuse on developing germ cells, embryos and fetuses. Roles of pharmacological/toxicological, physiological (maternal, placental, and fetal), genetic and nutritional factors in the teratogenic response are examined. Texts and current readings. Offered Every Other Fall.
Restriction(s): Enrollment is limited to students with a major in Pharmacology; enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy or Master of Science degrees.
Repeatable for 8 Credits

PHC 7770 Individual Research in Pharmacology Cr. 1-8
Enrollment limited to graduate level students.
Restriction(s): Enrollment is limited to students with a major in Pharmacology; enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy or Master of Science degrees.
Repeatable for 8 Credits

PHC 7780 Anesthesia Seminar Cr. 1
Current developments in concepts and theories of nurse anesthesia. Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.
Equivalent: AN 7780
Repeatable for 5 Credits

Enrollment is limited to Graduate level students.
PHC 7890 Seminar Cr. 1
Assigned readings and student presentation; faculty and outside speakers. Offered Every Term.
Restriction(s): Enrollment is limited to students with a major in Pharmacology; enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy or Master of Science degrees.
Repeatable for 12 Credits

PHC 7902 Ethics and Health Care Cr. 3
Basic understanding of ethical theories and practice, and new challenges encountered in health care settings. Offered Fall.
Restriction(s): Enrollment is limited to Graduate level students.
Equivalent: AN 7902

PHC 7996 Research Cr. 1-20
Special research topics in specified areas arranged with individual faculty members. Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.
Repeatable for 30 Credits

PHC 8999 Master's Thesis Research and Direction Cr. 1-8
Offered Every Term.
Restriction(s): Enrollment limited to students with a class of Candidate Masters; enrollment is limited to Graduate level students.
Repeatable for 8 Credits

PHC 9990 Pre-Doctoral Candidacy Research Cr. 1-8
Research in preparation for doctoral dissertation. Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.
Repeatable for 12 Credits

PHC 9991 Doctoral Candidate Status I: Dissertation Research and Direction Cr. 7.5
Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.

PHC 9992 Doctoral Candidate Status II: Dissertation Research and Direction Cr. 7.5
Offered Every Term.
Prerequisite: PHC 9991 with a minimum grade of S
Restriction(s): Enrollment is limited to Graduate level students.

PHC 9993 Doctoral Candidate Status III: Dissertation Research and Direction Cr. 7.5
Offered Every Term.
Prerequisite: PHC 9992 with a minimum grade of S
Restriction(s): Enrollment is limited to Graduate level students.

PHC 9994 Doctoral Candidate Status IV: Dissertation Research and Direction Cr. 7.5
Offered Every Term.
Prerequisite: PHC 9993 with a minimum grade of S
Restriction(s): Enrollment is limited to Graduate level students.

PHC 9995 Candidate Maintenance Status: Doctoral Dissertation Research and Direction Cr. 0
Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.
Course Material Fees: $384.7
Repeatable for 0 Credits