Emphasis - Pharmacology

Ph.D. in Pharmaceutical Sciences

Description

The Ph.D. in pharmaceutical sciences can be completed with an emphasis in environmental toxicology, medicinal chemistry, pharmaceutics, pharmacology, pharmacognosy, or pharmacy administration.

Minimum Total Credit Hours: 54

Course Requirements

Requirements for each emphasis area are given in the respective program description sections. Each emphasis area requires students to complete a minimum of 36 semester hours of course work and 18 hours of dissertation

Emphasis - Pharmacology

Description

A Ph.D. in pharmaceutical sciences with emphasis in pharmacology is designed to prepare graduate students to apply understanding of basic pharmacology so as to strengthen their academic foundation and skills that lead to professional careers as pharmacologists. Graduates are likely to find careers positions within academic, industry or government service.

Note: For more information, refer to the student handbook

http://pharmacy.olemiss.edu/biomolecularsciences/gradprogram/bms-grad uate-student-handbook/

Goals/Mission Statement

The academic mission of the Department of BioMolecular Sciences, Pharmacology Division is to apply pharmacological sciences to the teaching of professional pharmacy students and graduate students and to conduct research and educational activities that seek to identify and resolve problems related to basic and applied pharmacology.

Course Requirements

The requirements for the Ph.D. in pharmaceutical sciences with an emphasis in pharmacology consist of:

- Graduate Student Survival Strategies (BMS 601) (2 hours);
- Principles of Pharmacology and Toxicology I (Phcl 675) (4 hours);
- Principles of Pharmacology and Toxicology II (Phcl 676) (4 hours);
- Biometry (Bisc 504) (4 hours) or (Psy 703) (3 hours);
- One of the following 4 credit courses: Adv. Physiology I (Phcl 661), Adv. Physiology II (Phcl 662), Physiological Chemistry (Phcl 669); BMS/Bisc/Chem/Engr or other courses at 500/600/700-level electives (500-level courses require adviser approval) (10 hours);
- Original Research Proposal (BMS 605) (1 hour).

Seminar Requirement

Students are required to register for BMS 643 (Z-grade) every semester, with the exception of those semesters in which the student presents a seminar and instead registers for BMS 641 (graded). No more than 8 seminar hours can be used toward the 54 minimum total credit hours

A minimum of 18 hours of dissertation research must also be taken to meet degree requirements.

Other Academic Requirements

Original Research Proposal

A student must prepare, submit, and successfully (orally) defend an original research proposal (ORP). Procedures for this requirement will be provided by the department. Students will register for BMS 605 (Original Research Proposal BioMolecular Sciences) in the semester they anticipate defending their ORP.

Dissertation

A student must prepare and orally defend a dissertation based on original, independent research in partial fulfillment of their Ph.D. degree.