**LAB_AN 8090: Research in Laboratory Animal Medicine**
Research expected to terminate in a thesis. Graded on a S/U basis only.

**Credit Hour:** 1-99

**LAB_AN 9087: Seminar in Laboratory Animal Medicine**
Theme-oriented seminars and discussions in the field of laboratory animal medicine, comparative medicine or related areas. Graded on S/U basis only.

**Credit Hour:** 1
**Prerequisites:** departmental consent

**LAB_AN 9437: Pathology of Laboratory Animals**
Pathogenesis, pathology and diagnosis of naturally occurring diseases in animals used in research.

**Credit Hours:** 4
**Prerequisites:** departmental consent

**LAB_AN 9468: Laboratory Animal Biology**
Anatomy, taxonomy, reproduction, genetics, nutrition, and behavior of common laboratory animals. Emphasis is placed on mice and rats, including genetically-engineered models with comparative discussions on other laboratory animals. Prerequisites: departmental consent

**Credit Hours:** 4

**LAB_AN 9469: Laboratory Animal Resource Management**
Policies, standards and regulations in the care and use of laboratory animals, including colony management, animal procurement, cost accounting, facility design, and supervisory skills.

**Credit Hours:** 4
**Prerequisites:** departmental consent

**LAB_AN 9476: Grant and Manuscript Writing for Biomedical Researchers**
Topics include experimental design, applied biostatics and writing effective grant proposals and scientific manuscripts. Methods include lecture, discussion and assignments including an individual grant proposal which will be reviewed by a mock study section.

**Credit Hours:** 3
**Prerequisites:** LAB_AN 9475; instructor's consent