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# Laboratory Animal Medicine (LAB\_AN)

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## **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

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## **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

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## **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

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## **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

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## **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

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## **LAB\_AN 9476: Grant and Manuscript Writing for Biomedical Researchers**

Topics include experimental design applied biostatistics 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

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## **LAB\_AN 9477: Laboratory and Project Management**

This course will provide graduates with professional development skills and career guidance including instruction in laboratory and project management. Topics will include job searching, start-up considerations, equipping a lab, personnel management and budget management. Graded on S/U basis only.

**Credit Hour:** 1

**Prerequisites:** enrollment in Comparative Medicine Area Program or approval of course coordinator