



## BMEG 667

# Research Techniques For Preclinical Analysis in Rodents

Credits: 3 | Semester: FALL Year: 2020 | Meeting Days: FRI. | Times: 9AM-12PM | Location & Room: TBD

## Course Calendar

For your reference: the [official UD academic calendar](#)

- Every effort will be made to present content in the order listed on the calendar below
- Readings must be done prior to the week of the class its listed on.
- Guest speakers will teach lectures on the weeks noted.

Date	Theme/Topic
Week 1	Lecture: Overview of Ethics and Regulations
Week 2	Lecture and Lab: Intro to Bio methodology. Intro to OLAM. Facility tour, PPE requirements. Rodent ID methods Handling and restraint
Week 3	Lecture: How to pick your model
Week 4	Lecture: Protocol Writing and Grant vertebrate animal section
Week 5	Lab: Injections –mouse and rat Oral Gavage- mouse
Week 6	Lab: Injections –advanced
Week 7	Lab: Blood collection, mouse and rat
Week 8	Lecture: Statistics
Week 9	Lecture and Lab: Anesthesia in the Mouse and Rat

Week 10	Lab- Aseptic Technique
Week 11	Lab: Surgical Technique
Week 12	Lecture: Drug and medical device approval process
Week 13	Lab: Post op care
Week 14	Lab: Euthanasia and Necropsy