

# DEPARTMENT *of* BIOLOGY

## Francis Marion University

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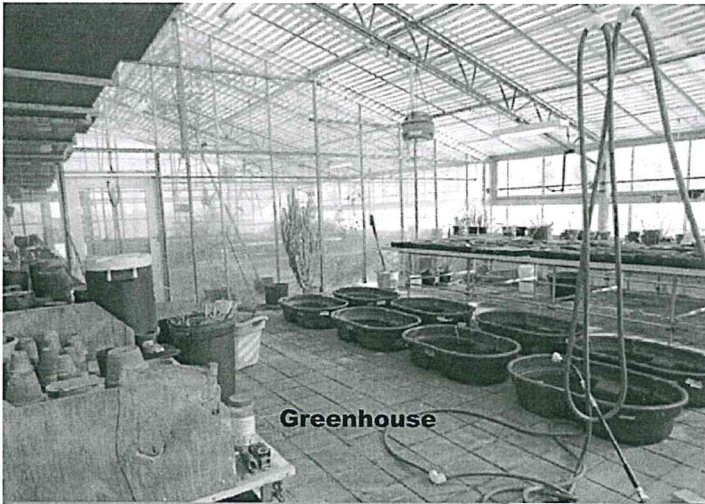
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### Research Facilities and Resources

There are several laboratory spaces in the biology department. Faculty are involved in projects across a range of subdisciplines, including: cell and molecular biology, microbiology, immunology, organismal biology, and ecology.

#### Equipment available for research:

- Fluorescence microscope
- Microplate reader
- Inverted tissue culture microscope
- Dark field and phase contrast microscopes
- Anaerobic microbiology equipment
- Digital photomicrography equipment
- UV spectrophotometer
- Conventional and Cryostat histology microtomes
- Refrigerated centrifuge
- Clinical centrifuge
- IEP-agar and SDS-PAGE electrophoresis systems
- Submarine protein/DNA electrophoresis systems
- Thermal cycler
- Multiporator
- Sonicator
- Freezer: -80 degrees
- Autoclaves
- pH meters and microelectrodes
- Fermentation/distillation equipment for fuel ethanol production
- Bio-Rad Chemi-doc XRS image documentation system
- Environmental chambers
- PIT-tagging systems
- Radiotelemetry equipment
- Oxygen/Carbon Dioxide gas analyzers
- EKG, heart rate, and ventilation monitors
- YSI oxygen meter/thermistor
- Aquatic current meters
- Vernier water quality equipment
- Live animal traps/Animal rooms
- Ultrasound converter bat detector
- Herbarium



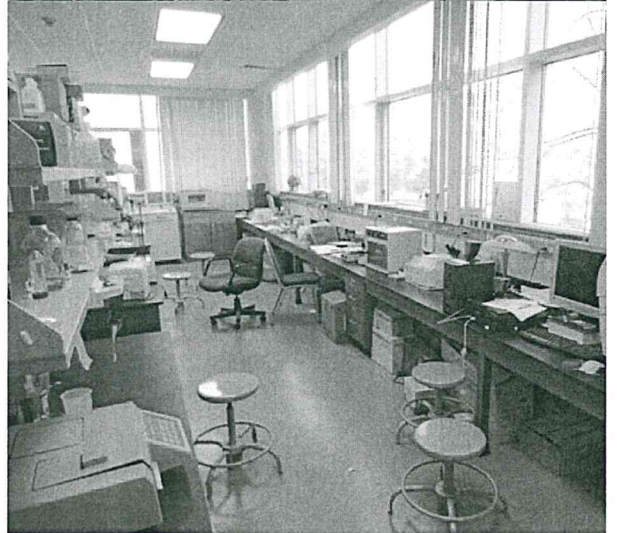
**Greenhouse**



**Tissue-culture**



**Microscopy lab**



**Molecular biology lab**