

Syllabus for BCM 705

Conservation Research and Monitoring

NOTE: This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

Course Description

Overview of current tools and best practices for designing research projects and acquiring, managing, and presenting conservation data. Topics include quality control, the importance of metadata, effective research design, statistical power, and other strategies for generating valid answers to important conservation questions.

Prerequisite(s)

None.

Course Outcomes

Upon completing this course, you will be able to do the following:

- Design and implement effective methods for collecting, managing, and interpreting environmental data.
- Identify the connection between monitoring data and conservation objectives.
- Recognize and apply standard techniques for surveying and assessing natural habitats.
- Analyze the strengths and weaknesses of different field survey techniques.
- Manage and store data for easy access and interpretation.
- Use statistical analyses to guide science-based conservation decisions and policies.
- Design models and experiments to help answer conservation questions.
- Apply effective field strategies and monitoring protocols to inform conservation decisions and policies.

Course Requirements/Components

- Discussions
- Assignments
- Group work exercise
- Individual research design project

Grading

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

Grade	Percentage Range
A	93% - 100%
AB	90% - 92%
B	83% - 89%
BC	80% - 82%
C	73% - 79%
CD	70% - 72%
D	60% - 69%
F	0 - 59%

Assignment	Percentage
Discussions	30
Assignments	20
Group work exercise	15
Individual research design project	35
Total Percentage	100