

Syllabus for BCM 730

Data Analytics and Visualization

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

Course Description

Apply analytical tools to investigate, visualize, interpret, and communicate conservation data. Students will gain hands-on experience with R, a statistical computer program.

Prerequisite(s)

None.

Course Outcomes

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

- Apply widely used computer software to manage and analyze data
- Create professional quality figures and tables for reports and presentations
- Implement simple statistical analyses for displaying and analyzing conservation data
- Use internet storage facilities to share, organize, and archive imagery and other digital resources
- Enlist online resources like Stack Overflow to help solve programming and data analytical problems
- Independently critically analyze scientific research related to biodiversity management

Course Requirements/Components

- Quizzes
- Discussions
- Assignments
- Final 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
Quizzes	15
Discussions	15
Assignments	40
Final project	30
Total Percentage	100