Syllabus for BCM 750 Spatial Analysis and Mapping

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

Course Description

Foundational concepts in mapping and geospatial analysis as they apply to conservation. Process and utilize remotely sensed imagery and other geographic data. Hands-on experience using software for storing, managing, and displaying spatial information such as topography, vegetation, soil, and watershed data.

Prerequisite(s)

None.

Course Outcomes

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

- Use software tools to store, manage and display data at appropriate scales.
- Perform spatial analyses on environmental data across various scales, including vector and raster based spatial data and their attributes.
- Evaluate emerging technologies and ideas relevant to conservation science in the spatial analysis of environmental data through discussion of the primary literature.

Course Requirements/Components

- Quizzes
- ArcGIS assignments
- Introduction discussion

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	Points
Introduction discussion	10
Quizzes (9)	90
ArcGIS assignments (15)	300
Total Percentage	**100**