



Syllabus

WFS 100 Land Navigation

General Information

Date April 2nd, 2019

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Department Conservation

Course Prefix WFS

Course Number 100

Course Title Land Navigation

Course Information

Catalog Description This course will provide students with hands-on experience in the fundamentals of map and compass utilization. Emphasis will be placed on topographic map interpretation and field navigation techniques. In addition to the standard orienteering compass, students are introduced to the use of a Global Positioning System (GPS).

Credit Hours 1

Lecture Contact Hours 1

Lab Contact Hours 0

Other Contact Hours 0

Grading Scheme Letter

Prerequisites

None

Co-requisites

None

First Year Experience/Capstone Designation

This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category

None

FLCC Values

Institutional Learning Outcomes Addressed by the Course

Inquiry and Perseverance

Course Learning Outcomes

Course Learning Outcomes

1. 1. Interpret topographic maps to estimate landscape features.
2. 2. Utilize a map and compass to navigate in a field situation.
3. 3. Demonstrate navigation techniques using a global positioning system.

Outline of Topics Covered

- I. Using a compass**
- II. Calculating pace**
- III. Reading and interpreting topographic maps**
- IV. Integrating the use of a compass with a topographic map**
 - a. Triangulation on a map**
- V. Global Positioning Systems**

Program Affiliation

This course is required as a core program course in the following program(s)

AAS Natural Resources Conservation Law Enforcement