

# Inver Hills Community College

## PHED 2214: Wilderness Navigation

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 0

Lab Hours/Week: 1

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Provides instruction and experience related to the use of map and compass for wilderness navigation and problem solving. This course will take place over one weekend with one on-campus class prior to the trip for orientation. Students will hike through a wilderness area in small groups with radio contact with the instructor. Special fee required. Pass/Fail grading option only.

**B. COURSE EFFECTIVE DATES:** 08/01/2007 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Compass parts, reading, and use: 10%
2. Map reading: 15%
3. Navigation in the field: 30%
4. Orienteering: 15%
5. Taking bearings on maps and in the field: 20%
6. Trip planning: 10%

### D. LEARNING OUTCOMES (General)

1. Demonstrate how to set a given bearing in the field and on a map and be able to walk a straight line bearing
2. Describe a legal description using longitude and latitude coordinates for a site on a map
3. List and describe features on a topographic map
4. Demonstrate orientation of a map and compass in the field
5. Demonstrate successful navigation of an orienteering course
6. Describe and demonstrate in the field the use of wilderness navigation techniques such as aiming off and triangulation
7. Demonstrate how to take a bearing off of a distant landmark and on a map
8. Label the parts of an orienteering compass and describe their functions

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted