

Classroom location: SS-46

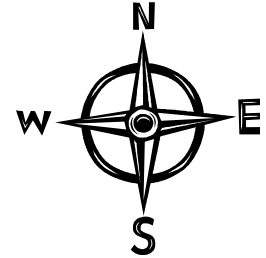
Instructor:

Kurt Hanniger

Office: N/A. Office hours are available upon request.

E-mail: khanniger@weber.edu (do not use WSU online email portal)

Cell Phone: 801-920-3628



[1] Map Interpretation

Thursday, May 5, 2011, 9:30 am-12:30, SS-46 Classroom

- Introduction
- Maps and Mapping
 - Relevant Maps for the Wilderness Navigator
- Colors and Symbols
- Contour Lines
- Introduction to Map Interpretation Skills

READ Before Class: NOLS Wilderness Navigation- chapters 1, Appendix A.

Assignment Due this Class: If you have your own compass and/or GPS, please bring it on this day for instructor approval. If you do not have your own one will be provided for you. Please do not buy either a compass or GPS prior to this course.

Homework Assignment: (1) Determining your Pace.

[2] The Compass

5/12 9:30 am-12:30, Miller Administration, Southern Entrance Steps Outside

NOTE: Bring your own Compass if you have one, if not one will be provided for you.

- Map Interpretation of landforms
- Introduction to the Compass
 - Common errors and the “means of precision”
 - Following bearings over a distance.
- Declination
- Measuring and Following Field Bearings
- Measuring and Plotting Map Bearings
- Triangulation

READ Before Class: NOLS Wilderness Navigation- chapter 2.

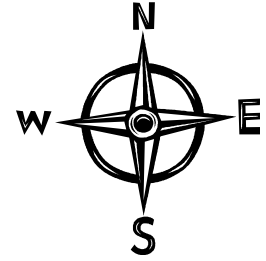
Assignment Due this Class: Determining your Pace

Homework Assignment : (2) Map Interpretation

[3] Compass Practice and Topographic Matching

5/19, 9:30 am-12:30, Mt Ogden Park (meet at Picnic Structure near playground) FIELD

- Compass Practice
- Triangulation Practice
- Altimeters
- Advanced Compass Features
- Navigation Logistics



READ Before Class: NOLS Wilderness Navigation- chapter 3 and 5.

Assignment DUE this Class: none

Homework Assignment: continue working on Map Interpretation

[4] Coordinate Systems and GPS

5/26, 9:30 am-12:30, SS-46 Classroom and Outside

- Latitude/Longitude
- UTM
- GPS
 - How they work
 - Basic settings
- Geocaching

READ Before Class: NOLS Wilderness Navigation- chapters 6 and 7.

Assignment DUE this Class: Map Interpretation

Homework Assignment: none

[5] GPS

Saturday 5/28, 8:00 am-1:30 pm, 22nd Street Trailhead, FIELD

- Programming and field use
- Entering Coordinates
- Waypoints
- Route Feature
- Track Feature
- Area Calculation

NOTE: Bring your own GPS device if you have one, if not one will be provided for you.

READ Before Class: NOLS Wilderness Navigation- chapter 8.

Assignment DUE this Class: none

Homework Assignment: (3) Compass/GPS Exercise

[6] Lost Prevention

6/2, 9:30 am-12:30, 22nd Street Trailhead FIELD

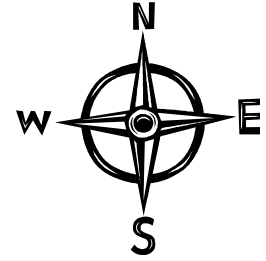
- Prevention
- Search and Rescue Mock Scenario

- Support for Compass/GPS exercises

READ Before Class: NOLS Wilderness Navigation- chapter 4

Assignment DUE this Class: none

Homework Assignment: continue working on Compass/GPS exercise



[7] Unique Navigation Concerns

6/9, 9:30 am-12:30, SS-46 Classroom and Outside

- Waterways
- International Mapping
- Caving
- Support for Navigation Logistics
- Dead Reckoning

READ Before Class: NOLS Wilderness Navigation- Appendix B

Assignment DUE this Class: Compass/GPS Exercise

Homework Assignment: none

[8] Advanced Navigation and Travel Techniques

Saturday 6/11, 8:00 am-4:00 pm, Location TBA (Snowbasin Area) FIELD

- Advanced Navigation Skills
 - Intentional offsetting
 - Fall lines and aspect
 - Slope angles
 - Mirrored compass skills
- Trip Planning
 - Handrails, catching features
- Practical Field Activity with GPS, Map and Compass
- Support for completing Navigation Logistics project

READ Before Class: n/a

Assignment DUE this Class: none

Homework Assignment: complete Navigation Logistics

[9] Final

6/16, 9:30 am-12:30, Location TBA FIELD

- Field Based Practicum and Final:
 - This activity consists of students working individually or in small groups (2-3) to answer questions relating to knowledge learned and demonstrate map, compass and GPS skills by traveling through an outdoor environment.

READ Before Class: n/a

Assignment DUE this Class: (4) Navigation Logistics