



Course Curriculum - Backcountry Nav

www.backcountrynav.com

Introduction

Backcountry Nav plays a key role in avalanche awareness, mountaineering, navigation, route planning with the use of modern-day technology.

Overview

This course uses zoom to introduce students to current apps and websites to plan their next outdoor adventure. The goal of this course is to empower students to do the route planning and briefing, giving them the future confidence to speak to a group about the day's plans, even if they are not the trip leader.

Objectives

After completing this course, students will be able to:

- Understand & be able to demonstrate where avalanche terrain and avalanche problems can possibly exist in an alpine environment using a map and/or mapping platform.
- Import and export .gpx files to and from devices as well as send them to other individuals.
- Reference the Backcountry Nav checklist while briefing a group(s) a detail terrain analysis and evaluation of an outdoor environment.
- Reference the Backcountry Nav checklist, as well as expand upon it to have confidence navigating or following in a group during an outdoor activity.
- Have the ability and knowledge to use zoom (or any online video chat program of their preference) to plan, evaluate, analyze maps & terrain for a future planned endeavor.
- Speak up when they feel unsafe about decisions made about terrain choices and the route plan
- Always know where you they are while navigating and if they get lost, have the tools to know how to get back on track.

Steps to meet the objectives

- 1.) Student prep before the class starts
- 2.) Student intro's
- 3.) Instructor intro
- 4.) Instructor's goals and mission statement
- 5.) Present the Backcountry Nav Checklist
- 6.) FATMAP 101

- 7.) Instructor FATMAP Show and tell
 - a. Plan a route
 - b. Demonstrate a route brief
 - 8.) Students in breakout rooms
 - 9.) Students Plan a route in FATMAP
 - 10.) Students Show & tell with route brief to the rest of the class
 - 11.) GAIA GPS 101
 - 12.) Instructor GAIA GPS show and tell
 - a. Plan a route from finish of the FATMAP route
 - b. Demonstrate route brief
 - 13.) Students in breakout rooms
 - 14.) Students plan a route in GAIA GPS
 - 15.) Students Show & tell with route brief to the rest of the class
 - 16.) GAIA GPS phone app
 - 17.) FAMTAP phone app
 - 18.) Sync .gpx files with phone software and smart watches
 - 19.) Closing thoughts
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