



ATBO-242 – Mountaineering

Business

Effective Term & Year: Fall 2023
Course Outline Review Date: 2028-04-01

Program Area: Tourism, Recreation, & Hospitality

Description:

This mountaineering course will cover the fundamental skills required to travel safely and efficiently in alpine terrain. These skills will include the following: navigation with map and compass, knot tying, equipment selection and use, route planning, glacier travel, interpreting glacier morphology, crevasse rescue, snow, ice and rock anchors recognition and climbing movement. Students should be motivated to travel in glaciated terrain and to make some peak ascents.

Program Information:

This course is an elective course of the Adventure Tourism Business Diploma program. It is typically taken in the second year of ATBO studies.

Delivery Methods: On-campus (Face-to-Face), Practicum

Credit Type: College of the Rockies Credits

Credits: 2

Instructional Activity and Hours:

Activity	Hours
Classroom, Directed Studies or Online Instruction	
Seminar/Tutorials	8
Laboratory/Studio	
Practicum/Field Experience	48

Co-op/Work Experience	
Other	
Total	56

Course Requisites:

- Completed the following:
 - [ATBO221](#) – Backpacking Level 2 (2)
 - [ATBO141](#) – Rock Climbing Level 1 (2)

Flexible Assessment: Yes

In some cases students may be able to apply for recognition of prior learning outside the classroom. This flexible assessment process provides equivalent course credit. It is a rigorous process that may include external evaluation, worksite assessment, demonstration, standardized test, self-assessment, interview, products/portfolio, and challenge exam, or other measures as appropriate. Tuition fees apply. Contact an education advisor for more information.

Course Transfer Credit:

For information about receiving transfer credit for courses taken at either British Columbia or Alberta institutions, please see <https://www.bctransferguide.ca/> or <https://transferalberta.alberta.ca> . For more transfer credit information, please visit <https://www.cotr.bc.ca/Transfer>

All requests for course transfer credit from institutions in British Columbia or elsewhere should go to the College of the Rockies Enrolment Services office.

Textbook Resources:

Textbook selection varies by instructor and may change from year to year. At the Course Outline Effective Date the following textbooks were in use:

Suggested Reading:

Topographical map – 1:50,000 scale, Yoho National Park

Mountaineering, The Freedom of the hills, 7th edition, published by The Mountaineers

Please see the instructor's syllabus or check COTR's online text calculator <https://textbook.cotr.bc.ca/> for a complete list of the currently required textbooks.

Learning Outcomes:

Upon the successful completion of this course, students will be able to:

- be proficient at the fundamental knots and rope handling skills applicable to mountaineering;
 - demonstrate snow, ice and rock anchor building skills;
 - develop a route itinerary and travel plan;
 - perform a 2:1 crevasse rescue, a 3:1 crevasse rescue, and a 6:1 crevasse rescue;
 - perform a crevasse self rescue;
 - move through glaciated terrain with a basic understanding of proper glacier travel;
 - use a map and compass to pinpoint position in the mountains using the method of triangulation; and
 - recognize a variety of hazards in the mountain environment.
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Course Topics:

Movement Skills

- Pace, Rest Step, Fitness
- Moving on Scree, Rock, Snow and Ice
- Step Kicking
- Crampon Technique, Ice Axe Use
- Self Arrests

Technical and Safety Skills

- Navigation, Whiteout Navigation
- Rope Handling Systems
- Rock, Snow and Ice Anchors
- Glacier Travel and Crevasse Rescue

Leadership Skills

- Trip Preparation and Planning
- Group Management
- Judgement and Decision Making

OPTIONAL COURSE TOPICS:

- Peak Ascents

- Short Roping

See instructor's syllabus for the detailed outline of weekly readings, activities and assignments.

Evaluation and Assessments

Assessment Type: On-Campus (face-to-face)

Assessment Type	% of Total Grade
Movement Skills	30%
Technical and Safety Skills	40%
Leadership Skills	30%
Total	100%

Grade Scheme

A+	A	A-	B+	B	B-	C+	C	C-	D	F
>=90	89-85	84-80	79-76	75-72	71-68	67-64	63-60	59-55	54-50	<50

Pass requirements: None

Evaluation Notes: A grade of "D" grants credit, but may not be sufficient as a prerequisite for sequential courses.

Evaluation Notes Comments:

Please see the instructor's syllabus for specific classroom policies related to this course, such as details of evaluation, penalties for late assignments, and use of electronic aids.

Exam Attendance:

Students must attend all scheduled exams at the appointed time and place. Instructors may approve an alternate exam to accommodate an illness or personal crisis. Department heads will consider other written requests. Any student who misses a scheduled exam without prior approval will receive a "0" on the exam.

Academic Policies:

College of the Rockies policies related to courses can be found at <https://cotr.bc.ca/about-us/college-policies/> and include the following:

- Policy 2.4.3 Students with Documented Disabilities
- Policy 2.4.4 Student Conduct (plagiarism, other cheating, behavioral misconduct)

- Policy 2.5.8 Academic Performance
 - Policy 2.5.3 Grade Appeal
 - Policy 2.4.9 Student Concerns Re Faculty
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Equivalent Course(s) and Course Code Changes

Equivalent Course: Students who have received COTR credit for ATBO 242 may not receive additional credit for MAST 142.

Course Changes:

The College of the Rockies updates course outlines regularly to meet changing educational, employment and marketing needs. The instructor will notify students in writing of any updates to this outline during the semester. The instructor reserves the right to revise, add or delete material while meeting the learning outcomes of this course outline.