



# Mountaineering - ATBO 242

## Adventure Tourism Business Operations Program

### Course Outline

COURSE IMPLEMENTATION DATE: April 2007  
OUTLINE EFFECTIVE DATE: September 2018  
COURSE OUTLINE REVIEW DATE: April 2023

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#### GENERAL COURSE 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.

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**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.

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**Delivery:** This course is delivered face to face.

**COTR Credits:** 2

**Hours for this course:** 56 hours

#### Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	
Seminars / Tutorials	8
Laboratory / Studio Hours	
Practicum / Field Experience Hours	48
Other Contact Hours	
<b>Total</b>	56

#### Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	N/A
Formal Work Experience	N/A
Other	N/A
<b>Total</b>	

**Course Outline Author or Contact:**

Dave Wan, B.Sci, MA

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Signature

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**APPROVAL SIGNATURES:**

Department Head  
Erin Aasland Hall  
E-mail: [aaslandhall@cotr.bc.ca](mailto:aaslandhall@cotr.bc.ca)

Dean of Business and University Studies  
Darrell Bethune  
E-mail: [bethune@cotr.bc.ca](mailto:bethune@cotr.bc.ca)

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Department Head Signature

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Dean Signature

EDCO

Valid from: September 2018 – April 2023

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Education Council Approval Date

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**COURSE PREREQUISITES AND TRANSFER CREDIT:**

**Prerequisites:** ATBO 221 and ATBO 141

**Corequisites:** None

**Flexible Assessment (FA):**

Credit can be awarded for this course through FA

Yes  No

Learners may request formal recognition for flexible assessment at the College of the Rockies through one or more of the following processes: External Evaluation, Worksite Assessment, Demonstration, Standardized Test, Self-assessment, Interview, Products/Portfolio, Challenge Exam. Contact an Education Advisor for more information.

**Transfer Credit:** For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>

Students should also contact an academic advisor at the institution where they want transfer credit.

**Prior Course Number:** N/A

## Textbooks and Required 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*, 7<sup>th</sup> edition, published by The Mountaineers

Please see the instructor's syllabus or check COTR's online text calculator

<http://go.cotr.bc.ca/tuition/tCalc.asp> for a complete list of the currently required textbooks.

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## 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 ASSESSMENT:**

Competency Based Skills Evaluation	% Of Total Grade
Movement Skills	30%
Technical and Safety Skills	40%
Leadership Skills	<u>30%</u>
Total	100%

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 POLICY:**

Students must attend all required scheduled exams that make up a final grade at the appointed time and place.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled exam without approval will be given a grade of "0" for the exam.

**COURSE GRADE:**

Course grades are assigned as follows:

Grade	A+	A	A-	B+	B	B-	C+	C	C-	D	F
Mark (Percent)	≥ 90	89-85	84-80	79-76	75-72	71-68	67-64	63-60	59-55	54-50	< 50

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

**ACADEMIC POLICIES:**

See [www.cotr.bc.ca/policies](http://www.cotr.bc.ca/policies) for general college policies related to course activities, including grade appeals, cheating and plagiarism.

**COURSE CHANGES:**

Information contained in course outlines is correct at the time of publication. Content of the courses is revised on an ongoing basis to ensure relevance to changing educational, employment and marketing needs. The instructor will endeavour to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.