



Ice Climbing Level 1 – ATBO 142

Adventure Tourism Business Operation Program

Course Outline

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

GENERAL COURSE DESCRIPTION:

This course introduces the student to the techniques and skills used in waterfall ice climbing. Safety and hazard management is the focus as the students learn anchor building, ice evaluation, belay considerations, and moderate and vertical ice climbing techniques.

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

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

COTR Credits: 2

Hours for this course: 40 hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	
Seminars / Tutorials	
Laboratory / Studio Hours	
Practicum / Field Experience Hours	40
Other Contact Hours	
Total	40

Practicum Hours (if applicable):

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

Course Outline Author or Contact:

Dave Wan, BSci, MA

Signature

APPROVAL SIGNATURES:

Department Head
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Darrell Bethune
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Department Head Signature

Dean Signature

EDCO

Valid from: December 2018 – April 2023

Education Council Approval Date

COURSE PREREQUISITES AND TRANSFER CREDIT:

Prerequisites: ATBO 141. Students must be 19 years old to take this course.

Corequisites: ATBO 106

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:

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

http://www.cotr.bc.ca/bookstore/cotr_web.asp?IDNumber=164 for a complete list of the currently required textbooks.

LEARNING OUTCOMES:

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

- select appropriate equipment for water ice climbing and understand how to use this equipment. This equipment would include ice axes, crampons, ropes, harnesses, helmets and ice screws;
- understand the history and progression of crampon techniques as applied to ice climbing. Be able to demonstrate both "French technique" on lower angled ice, and modern front pointing technique on steeper ice;
- understand the history and progression of ice axe techniques as applied to water ice. Be able to demonstrate proper placement and removal of ice tools;
- understand efficient body mechanics as they apply to ice climbing – in order to climb in an efficient manner; and
- build an anchor made with ice screws, or with an Abalakov V thread.

Students should also develop

- confidence and self reliance in the ice climbing environment;
 - conservative decision making strategies;
 - leadership experience;
 - group management skills;
 - hazard evaluation skills; and
 - critical thinking skills.
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COURSE TOPICS:

Movement Skills

- Climbing Principles; i.e. X-hang
- Axe Placements
- Crampon Use
- Dry Tool Techniques
- Placing Ice Screws

Technical and Safety Skills

- Equipment and Knots
- Anchors
- Belays, Lowers and Rappels

Leadership Skills

- Preparation
- Site Management and Client Care
- Program Planning

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	20%
Technical and Safety Skills	40%
Leadership Skills	<u>40%</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 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