



Winter Back Country Travel Level 1 - ATBO 152

Adventure Tourism Business Operations Program

Course Outline

COURSE IMPLEMENTATION DATE: April 2007
OUTLINE EFFECTIVE DATE: January 2023
COURSE OUTLINE REVIEW DATE: September 2028

GENERAL COURSE DESCRIPTION:

This course is designed to teach students the skills necessary for backcountry skiing and snowboarding in avalanche terrain. Topics include appropriate equipment selection and use, uphill and downhill travel techniques, navigation and route finding in the mountains. A large focus of this course is learning about travelling in avalanche terrain, and learning how to identify and manage the avalanche risk.

Program Information: This course is an elective course in the Adventure Tourism Business Operations 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, B.Sci, MAOE

Signature

APPROVAL SIGNATURES:

Department Head
Erin Aasland Hall
E-mail: aaslandhall@cotr.bc.ca

Dean of Business & University Studies
Darrell Bethune
E-mail: bethune@cotr.bc.ca

Department Head Signature

Dean Signature

EDCO

Valid from: January 2023 – September 2028

Education Council Approval Date

COURSE PREREQUISITES AND TRANSFER CREDIT:

Prerequisites: ATBO 151 Ski/Snowboard Instructor, or equivalent experience. Also, students must be 19 years old to take this course.

Corequisites: ATBO 105

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:

“Avalanche Skills Training Handbook, by James Floyer and Keith Robine”

Topographical Map – 1:50,000 Touring at Rogers Pass, by Murray Toft

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.

LEARNING OUTCOMES:

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

- demonstrate winter back country travel techniques appropriate to the terrain being traveled in;
 - demonstrate both uphill and downhill travel techniques in a variety of terrain and snow conditions; and
 - minimize the group’s exposure to avalanche hazards by assessing conditions, and selecting appropriate areas and routes for travel.
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COURSE TOPICS:

Movement Skills

- Uphill Travel: Track Setting, Pace
- Downhill Travel: Skiing/Boarding in Off Piste Terrain
- Skiing/Boarding responsibility in the back country

Technical and Safety Skills

- Avalanche Theory
- Avalanche Travel Techniques
- Avalanche Rescue

Leadership Skills

- Trip Preparation
- Group Management Skills
- Judgment and Decision Making
- Risk Management

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 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.