



MAST-143 – Ski Touring 1

Business

Effective Term & Year: Fall 2022

Course Outline Review Date: 2027-03-01

Program Area: Tourism, Recreation, & Hospitality

Description:

This course focuses on the skills necessary to travel, ski or snowboard safely in the backcountry in winter. These skills include ski touring equipment knowledge and proficiency, route finding, avalanche terrain and hazard evaluation, group travel management, and companion rescue.

Program Information:

This course is a required prerequisite for MAST 162 Ski Tour 2 and is required for completion of the MAST certificate.

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 | 12 |
| Seminar/Tutorials | |
| Laboratory/Studio | |
| Practicum/Field Experience | 40 |
| Co-op/Work Experience | |
| Other | |

| | |
|-------|----|
| Total | 52 |
|-------|----|

Course Requisites:

- Complete all of the following
 - Completed the following:
 - **MAST146** – Avalanche Skills Training 1 (2)
 - Prerequisites: Students must be strong intermediate skiers and/or snowboarders. Must be physically fit and capable of traveling in mountainous terrain under adverse weather conditions.

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:

Mountaineering Freedom of the Hills, 8th Ed. The Mountaineers, 2010

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

- describe and utilize ski-touring and mountaineering equipment;
- identify safe routes for a particular ski tour;
- demonstrate proper techniques for walking, climbing, skiing, or snowboarding;
- practice proper group travel procedures;
- plan a single or multi-day tour for a small group;
- organize and participate in self-rescue and organized rescue techniques; and
- identify and prepare appropriate food and liquid.
- Utilize digital planning resources and navigation tools during advance planning and while in the field.

Course Topics:

- Weather and snowpack information gathering, observation
- Safety measures including use of transceivers, probes, shovels and radios
- Practice self-rescue scenarios
- Ski tour practice to observe terrain and practice safety measures
- Plan and prepare ski tours using maps, photos, guide books, route plans and group issues
- Plan food and group equipment
- Use of map and compass, Whiteout navigation planning
- Snow stability and hazard evaluation
- Group and risk management, companion rescue
- Stability testing including rutschblocks, compression tests
- Injured skier evacuation

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 |
|--|------------------|
| Attend Planning Sessions | 10% |
| Terrain evaluation, hazard recognition | 10% |
| Travel skills/ capability, efficiency, winter camping skills | 20% |
| Understanding of snow stability, observations | 10% |
| Self-rescue skills, transceiver use | 20% |
| Log book – organization, neatness | 10% |

| | |
|---------------------------------|------|
| Expedition behaviour – teamwork | 20% |
| Total | 100% |

Grade Scheme

| COM | NCG |
|---|--|
| Completed to the minimum defined standard | No credit granted – less than minimum defined standard |

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

Equivalent Course(s) and Course Code Changes

Equivalent Course: Students who have received COTR credit for MAST 143 may not receive additional credit for ATBO 152.

Prior Course Code: MASD 116 >> MAST 143

Date changed: March 2009

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.

