



MAST-162 – Ski Tour 2

Business

Effective Term & Year: Fall 2022

Course Outline Review Date: 2025-03-01

Program Area: Tourism, Recreation, & Hospitality

Description:

This is an advanced Ski Mountaineering course in which students advance their ski touring skills in larger mountainous terrain. Students spend five days practicing route finding and navigation skills, winter camping skills, assessing avalanche terrain and skiing through glaciated terrain.

Program Information:

This course is an elective 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 | 50 |
| Co-op/Work Experience | |
| Other | |
| Total | 62 |

Course Requisites:

- Completed the following:
 - [MAST143](#) – Ski Touring 1 (2)
 - [MAST156](#) – Avalanche Skills Training 2 (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:

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 understand ski touring and mountaineering equipment;
- identify, understand and avoid avalanche terrain;
- identify the safest ascent and descent for a particular ski tour;
- organize and participate in self-rescue avalanche scenarios, and
- efficiently utilize all ski touring equipment.
- Winter camp effectively managing self and others' comfort and needs with hydration, food intake, stress, hygiene, warmth and sleep in varied alpine conditions including cold, solar radiation and wind.
- Utilize digital planning resources and navigation tools during advance planning and while in the field.
- Navigate effectively in alpine conditions including possibly whiteout conditions.
- Using available coaching, model leadership and decision making in a complex winter environment.

Course Topics:

- Skis and related ski touring equipment, avalanche beacons
- Clothing and equipment for a multi-day alpine expedition
- First aid and repair kits
- Mountain weather and how it affects avalanche conditions
- The snowpack and how to evaluate it
- Simulated avalanche rescue scenarios
- Analysis of snow stability using several testing methods
- Types of snow avalanches
- Avalanche terrain recognition and assessment
- Mountain hazards other than avalanche such as rock fall and inclement weather
- Safe ascent, break trail and set an up track suitable for all persons in the group
- Safe route finding and procedure for descending
- Negotiating terrain with overnight camping equipment
- Whiteout conditions preparation
- Minimum impact procedures while in the back country

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 | 20% |
| Self-rescue skills, transceiver use | 10% |
| 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 162 may not receive additional credit for ATBO 252.

Prior Course Code: MASD 216 >> MAST 162

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.