



MAST-151 – Wilderness Medical Associates Wilderness First Responder

Business

Effective Term & Year: Fall 2026

Course Outline Review Date: 2031-03-01

Program Area: Tourism, Recreation, & Hospitality

Description:

The Wilderness First Responder course is designed for each student to obtain training/certification in an area that is directly relevant to the field of mountain adventure tourism. It provides comprehensive and practical medical training for outdoor educators, guides, professional search and rescue teams, and others who work and adventure in remote settings. It includes the essential skills, knowledge, and critical thinking required to assess and manage medical problems in low-resource environments for days and weeks if necessary.

Program Information:

This course or MAST 150 is required for the completion of the MAST certificate.

Delivery Methods: On-campus (Face-to-Face), Practicum

Credit Type: College of the Rockies Credits

Credits: 3

Instructional Activity and Hours:

| Activity | Hours |
|---------------------------------------------------|--------------|
| Classroom, Directed Studies or Online Instruction | 50 |
| Seminar/Tutorials | |
| Laboratory/Studio | |
| Practicum/Field Experience | 30 |

| | |
|-----------------------|----|
| Co-op/Work Experience | |
| Other | |
| Total | 80 |

Course Requisites:

None

Prior Learning and Recognition: Yes

Students are able to request formal recognition of their prior learning or experience outside the classroom. Challenge examination, portfolio-assisted assessment, work-based assessment or a combination of assessments that is appropriate to identify, assess, and recognize prior skills, competencies, and knowledge to achieve course credit. Tuition fees apply, refer to Policy 2.5.5 [Prior Learning Assessment and Recognition \(PLAR\)](#) or 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:

Jeffery E. Isacc PA-C, David E. Johnson, MD. *Wilderness and Rescue Medicine, 8th Ed.*, 2023.

Jim Morrissey & David Johnson. *Wilderness Medical Associates Field Guide of Wilderness & Rescue Medicine*, 2017.

Wilderness Medical Associates International. *Wilderness First Responder, Class Notes*. Year

reflective of course date.

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

- apply the general principles of wilderness and rescue medicine;
- practice patient assessment and emergency care;
- assess and treat common medical problems;
- practice treatment of musculoskeletal injuries, including those from traumatic mechanisms;
- implement non-technical lifting, moving, and extrication of patients with an emphasis on spinal motion restriction when applicable; and
- utilize WMA international wilderness protocols.

Course Topics:

- General principles of physiology, pathology & wilderness rescue
- Patient assessment and soap notes
- Critical body systems
- Critical system problems and treatments
- Environmental medicine
- Backcountry medicine
- Roles, responsibilities, and technology

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 |
|------------------------|------------------|
| Written Examination | 50% |
| Practical Examinations | 50% |
| Total | 100% |

Grade Scheme

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

Evaluation Notes: Students are required to achieve a minimum of 80% to achieve a grade of COM

Evaluation Notes Comments:

Please see the instructor syllabus for specific classroom policies related to this course, such as details of evaluation, penalties for late assignments, and use of electronic aids.

A minimum grade of 80% must be obtained all assessment components to achieve a passing grade and to gain credit for MAST 151. Students must be successful in attaining the external certification.

Attendance of 100% is mandatory.

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 2.1.4 Course Audit
- Policy 2.4.1 Credential Framework
- Policy 2.4.3 Students with Documented Disabilities
- Policy 2.4.4 Student Rights, Responsibilities and Conduct
- Policy 2.4.8 Academic Performance
- Policy 2.4.9 Student Feedback and Concerns
- Policy 2.4.11 Storage of Academic Works
- Policy 2.5.3 Student Appeal
- Policy 2.5.5 Prior Learning Assessment and Recognition (PLAR)

Equivalent Course(s) and Course Code Changes

Prior Course Code: SERS 112 >> MAST 151

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.