

Natural History – MAST 114

Mountain Adventure Skills Training Program

Course Outline

COURSE IMPLEMENTATION DATE:	January 2003
OUTLINE EFFECTIVE DATE:	September 2023
COURSE OUTLINE REVIEW DATE:	March 2028

GENERAL COURSE DESCRIPTION:

This course provides an overview of the natural/cultural history of the Southern Canadian Rocky Mountains and develops interpretation techniques to communicate this information. Lectures, demonstrations, and hands-on field experiences will cover the topics of geology, ecology, botany, biology, human history, ecosystem-based management and heritage interpretation. Students develop skills in classification, identification, interpretive techniques, and stewardship of the environment.

Program Information: This course is required for completion of the MAST certificate.

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

COTR Credits: 3

Hours for this course: 45 hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	20
Seminars / Tutorials	
Laboratory / Studio Hours	
Practicum / Field Experience Hours	25
Other Contact Hours	
Total	45

Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	
Formal Work Experience	
Other: Field Experience	25
Total	25

Course Outline Author or Contact:

Sarah Osberg, MAST Program Coordinator/Instructor

Signature**APPROVAL SIGNATURES:**

Department Head
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Department Head Signature_____
Dean Signature

EDCO

Valid from: September 2023 – March 2028

Education Council Approval Date**COURSE PREREQUISITES AND TRANSFER CREDIT:****Prerequisites:** None**Corequisites:** None**Flexible Assessment (FA):** There will be no prior credit for this course.

Credit can be awarded for this course through FA

☐ Yes ☒ No**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: MSTA 114 Natural History A & B
New Course Number: MAST 114 Natural History (MPHIA)
Date changed: March 2009

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:

Gadd, Ben. (2009). *Handbook of the Canadian Rockies*. 2nd Edition. 4th Printing, Jasper, Alberta: Corax Press.

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

- design and deliver an interpretation program for clients based on either a natural or human history topic relating to the South Canadian Rockies;
 - Identify ecoregions found within the South Canadian Rockies and determine key indicators within each region;
 - label and define identification characteristics of flora and fauna found within the South Canadian Rockies and identify common species within the region;
 - describe the process of how the Rocky Mountains were formed, and identify land formations and rock types;
 - describe the events and trends within human history of the South Canadian Rockies; and
 - assess environmental challenges within the South Canadian Rockies and how these challenges are currently being managed.
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COURSE TOPICS:

- Interpretation
- Geology
- Ecology
- Flora and Fauna
- Human History
- Ecosystem Management

See instructor's syllabus for the detailed outline of weekly readings, activities and assignments.

EVALUATION AND ASSESSMENT (Face-to-Face Delivery):

Assignments	% Of Total Grade
Natural History (Special Place Seasonal Journal)	20%
Student Action Project	10%
Quizzes/Exams	30%
Participation	20%
Final Project	<u>20%</u>
Total	100%

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.

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.