Course Outline

Field Studies in Adventure Tourism – ATBO 115
Adventure Tourism Business Operations Program
Administrative Studies

Administrative Information
Campus: Golden
Phone: 1-250-2-344-5901
Revised: September 2006

Program: Adventure Tourism Business Operation
One-Year Certificate

Days and times: See Program Schedule

Instructor: Dave Wan
Phone: 250-344-5901, local 128
E-mail: dwan@cotr.bc.ca

Location: Golden Campus

Required text(s): Graydon D. and Hanson K, Editors
Seattle, The Mountaineers
Jamison B., Backcountry Avalanche Awareness,
Revelstoke, Canadian Avalanche Association
GENERAL COURSE DESCRIPTION:

This course exposes the student to many of the adventure tourism activities in the field. Students have the opportunity to participate in the following areas: backcountry travel, climbing and water based travel. Over the course of 10 months students may have the opportunity to partake in backpacking, trekking, mountaineering, snowshoeing, cross-country skiing, snowboarding, downhill skiing, glacier travel, rock climbing, ice climbing, rappelling, rigging and rope work, canoeing, sea kayaking, rafting and several other adventure based activities. Many aspects of other ATBO courses may be applied in the field during this course. Upon successful completion, students could acquire certification in Swift Water Rescue Technician and Recreational Avalanche Course.


RELATIONSHIP TO COLLEGE PROGRAM

The Adventure Tourism Business Operations program is a part of the Tourism Management Program at College of the Rockies. The program articulates some courses with other provincially recognized tourism diploma and degree programs at BC colleges and universities related to developing tourism education.

Prerequisites: None

Corequisites: Principles of Adventure Tourism-ATBO 101
Wilderness First Aid ATBO 114

Prior Learning Assessment: If you are seeking prior credit for this course, evidence of your learning achievement may include:

• demonstrated evidence of competence and ability in the scheduled activities

College credit:

Transfer Credit: The Adventure Tourism Business Operations Diploma Program (ATBO) articulates to Thompson River University’s Adventure Degree Program. Please contact David Wan, (ATBO coordinator) for the details of this and other articulation agreements.
LEARNING OUTCOMES:

At the successful completion of this course, you should be able to:

- Be certified in activities which offer certification
- Advance your skill level and experience in the offered activities in which you have prior experience
- Develop a basic level of skill and experience in all other offered activities
- Complete the specific learning outcomes for each activity

CORE ABILITIES DEVELOPED IN THIS COURSE:

- Certifications Possible
  Recreational Avalanche Course
  Snow Board Instructor Level 1, Telemark Clinic
  Alpine Ski Instructor Level 1, Telemark Clinic
  Swift Water Technician Level 1

COURSE WORK:

Delivery: Course activities include lecture, in-class group discussions, and individual and group project work demonstrations, readings, and practice. Most of the theory and field skills will be taught in the field.

Assigned reading and on-line research prepares students for topics discussed in class.

Resources: Activity training manuals where applicable
Mountaineering Freedom of the Hills, Text

Students are responsible for all personal food and equipment during activity days and field trips.
Classroom and Field Work:

<table>
<thead>
<tr>
<th>EVALUATION AND ASSESSMENT:</th>
<th>Grade</th>
</tr>
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<tbody>
<tr>
<td>Obtaining certification in activity</td>
<td>A</td>
</tr>
<tr>
<td>Full attendance and demonstrated ability to teach skill to novices</td>
<td>A</td>
</tr>
<tr>
<td>Full attendance and visible increase in skill ability</td>
<td>B</td>
</tr>
<tr>
<td>Full attendance with no or marginal visible increase in skill ability</td>
<td>C</td>
</tr>
<tr>
<td>Missed attendance with visible increase in skill ability</td>
<td>C</td>
</tr>
<tr>
<td>Missed attendance with no or marginal visible increase in skill ability</td>
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Course grades will be assigned as follows:

<table>
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<tr>
<th>Mark (Percent)</th>
<th>&gt;90</th>
<th>85 - 89</th>
<th>80 - 84</th>
<th>76 - 79</th>
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<th>60 - 63</th>
<th>55 - 59</th>
<th>50 - 54</th>
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<tbody>
<tr>
<td>Grade</td>
<td>A+</td>
<td>A-</td>
<td>B+</td>
<td>B</td>
<td>B-</td>
<td>C+</td>
<td>C</td>
<td>C-</td>
<td>D</td>
<td>F</td>
<td></td>
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</tbody>
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PLAGIARISM POLICY:

Plagiarism – using the oral or written words and ideas of others without proper acknowledgment – is an academic offense. Because plagiarism is a form of academic misconduct, students found guilty face serious consequences. Students who are unsure of what constitutes plagiarism are advised to consult with an instructor or to refer to section 2.4.4 in the College Policy Manual.

UNIT OUTLINES

1. Introduction to Backpacking -17 hours over 3 hours classroom and 2 field days
   Text: Freedom of the Hills

Course Description

An introductory course designed to prepare participants to enjoy backcountry low level terrain in a safe and environmentally sound manner. The course will include the development of a sound knowledge base in equipment, food preparation, route selection, safety and risk management and environmental practices. An extended trip will provide the practical learning in group management, navigation, no trace camping and an introduction to the area’s natural history.
Learning Outcomes

At the end of this unit, successful students should be able to:

- Plan and prepare for an extended backcountry hiking trip including selecting an appropriate area and route, menu planning and food packing, equipment selection, and develop a risk management plan.

- Brief a group on the trip goals and objectives, complete client pack checks, and instruct others on preventative foot care and personal hygiene in the backcountry.

- Manage a group in the backcountry with regard to trail and camping etiquette, navigation, and manage the social dynamics within the group.

- Provide safety and security for the group in terms of medical attention, protection from natural hazards and wildlife and provide for the group in all weather conditions.

- Provide basic natural history interpretation lessons on the areas ecosystem including the biogeoclimatic zone, flora, fauna and the night sky.

2. Introduction to Rock Climbing – (4 days)
   Text: Freedom of the Hills

Course Description

An outdoor rock based climbing skills development course. Areas that will be emphasized include specialized equipment, anchors, belay and climbing technique. Top roping will be covered as well as climbing site management.

Learning Outcomes

At the end of this unit, successful students should be able to:

- Explain the features, benefits and correct use of a wide variety of climbing equipment including harnesses, helmets, ropes, slings, protection and chalk.

- Demonstrate preferred knot tying and ropework including belays, anchor construction, and protection placement.

- Demonstrate standard climbing communication signals and safe belaying techniques.

- Be able to move effectively and efficiently on a variety of climbing surfaces using established climbing techniques.

3. Introduction to White Water Kayaking – (5 days)

Course Description

An introductory session which will expose the student to the equipment, safety precautions, paddling skills and basic guide skills required for canoeing and/or kayaking on flat/grade 1 & 2 water.
Learning Outcomes

At the end of this unit, successful students should be able to:

- Develop the basic paddle skills required to maneuver a canoe or kayak through calm water
- Understand the pretrip safety talk and canoe/kayak safety procedures
- Learn basic canoe/kayak guiding skills

4. Advanced Backpacking - 47 hours over 1 class room day and 4 field days,
Text: Freedom of the Hills

   As per Introduction to Backpacking

5. Navigation - 7 hours over 1 day
Text: Freedom of the Hills

Course Description

A session which will expose the student to the equipment and skills required for wilderness navigation.

Learning Outcomes

At the end of this unit, successful students should be able to:

- Develop the compass skills required to navigate through wilderness terrain.
- Understand map reading skills and how to apply them to wilderness travel.
- Be aware of special navigation situations such as night and whiteout travel.

6. Introduction to Mountainering - 57 hours over 1 class room day and 5 field days,
Text: Freedom of the Hills

Course Description

A mountain based skills development course. Course covers specialized equipment, mountain safety, weather, group travel and management, travel in glaciated terrain, peak ascents and mountain geology and ecology.

Learning Outcomes

At the end of this unit, successful students should be able to:

- Identify glacial and mountain landforms and speak knowledgeably on mountain ecology.
- Travel efficiently and safely in mountain and glaciated terrain.
- Explain and demonstrate proper usage of specialized gear and equipment
- Demonstrate good mountaineering techniques
- Demonstrate sound mountaineering ropework and anchor systems
- Be able to travel in all weather conditions using a map and compass.
- Be familiar with altimeters for elevation and weather application.
- Perform crevasse rescue.

7. Avalanche Training - 35 hours over 2 classroom days and 3 field days:
   Text: Backcountry Avalanche Awareness

Successful students will be awarded Recreational Avalanche Course Certification.

Course Description

An introductory training course for individuals who are involved in winter backcountry travel. It is designed to provide basic knowledge of avalanche formation, associated risks and risk management procedures.

Learning Outcomes

At the end of this unit, successful students should be able to:

- Recognize avalanche terrain and identify safe areas and routes.
- Explain the formation and nature of avalanches and the hazards involved.
- Describe significant properties of the snow pack.
- State the factors that are applied in snow stability evaluation.
- Apply personal and group safety measures
- Conduct avalanche search and rescue exercises

8. Introduction to Ice Climbing - 14 hours over 3 days:
   Text: Freedom of the Hills

Course Description

An outdoor ice based climbing skills development course. Areas that will be emphasized include specialized equipment, knot tying, rope systems, protection placement, anchors, belay and climbing techniques. Top roping will be covered as well as site management.
Learning Outcomes

At the end of this unit, successful students should be able to:

- Explain the features, benefits and correct use of a wide variety of climbing equipment including harnesses, helmets, ropes, slings, crampons, hammers and ice screws.
- Demonstrate preferred knot tying and ropework including belays, anchor construction, and protection placement.
- Demonstrate standard climbing communication signals and safe belaying techniques.
- Be able to move effectively and efficiently on ice surfaces using established climbing techniques.

9. Telemark Skiing – (3 days)

Course Description

An introductory session which will expose the student to the equipment, safety precautions, skiing skills and basic guide skills required for telemark skiing.

Learning Outcomes

At the end of this unit, successful students should be able to:

- Develop the basic telemark skills required to ski in control in easy to moderate terrain.
- Understand safety procedures.
- Learn basic telemark skiing guiding skills

10. Ski Instructor - 30 hours over 4 field days ,
Text: Training Manual

Successful students will be awarded Canadian Ski Instructors Alliance Certification

Course Description

A course to develop a sound foundation of winter skills and experience to prepare the students to be certified at the basic Instructor level. Topics include the fundamentals of skiing or boarding technique, skier's responsibility code, learner progressions and the use of ski area lifts.

Learning Outcomes

At the end of this unit, successful students should be able to:

- Speak knowledgeably on a variety of specialized equipment for skiing or boarding and discuss current sport and industry issues.
- Understand the fundamental skills inherent of the sport and be able to identify their key characteristics.

- Demonstrate numerous techniques in a variety of terrain and snow conditions.

- Travel comfortably within managed ski areas.

11. Snow Board Instructor - 30 hours over 4 field days, Text: Training Manual

Successful students will be awarded Canadian Snowboarding Association Certification

As per Ski Instructor

12. Ski Touring - 40 hours over 5 days,
Text: Freedom of the Hills

Course Description

This is a preparatory course for students interested in winter access to the backcountry on skis or snowboards. Topics include appropriate equipment, winter hazards, navigation, route finding skills and winter camping.

Learning Outcomes

At the end of this unit, successful students should be able to:

- Demonstrate winter backcountry travel techniques appropriate to the terrain being traveled in.

- Maintain comfort while winter camping in tents or snow shelters.

- Make ongoing assessments of the health, well being and ability level of the group and make appropriate leadership and risk management decisions.

- Demonstrate both uphill and downhill travelling techniques in a variety of terrain and snow conditions.

- Minimize the group’s exposure to avalanche hazards by assessing conditions and selecting appropriate areas and routes for travel.

13. Sea Kayaking - 70 hours over 2 drive days and 5 field days

Course Description

An introductory course designed to expose students to the fundamentals of sea kayak guiding and to improve paddling technique. Emphasis is placed on navigation, rescue techniques, surf zone skills, open coast skills, radio operation, natural history. Risk management and safety essentials are covered
Learning Outcomes

At the end of this unit, successful students should be able to:

- Speak knowledgeably about aspects of sea kayak gear and equipment
- Understand how to use a VHF radio to obtain weather information, communicate with other marine and land stations, and make a distress call.
- Demonstrate and teach a variety of self and assisted rescue techniques with the use of various rescue equipment.
- Be knowledgeable in the use of charts, compasses, tide tables, and other navigation equipment.
- Be able to determine course bearing off of charts and follow them in the field.
- Have a broad understanding of the natural history of the west coast environment and to speak knowledgeably on specific topic areas.
- Have a good understanding of the west coast weather patterns and the conditions that lead to deteriorating and improving weather conditions.
- Adapt paddling skills to sea kayaking technique and be comfortable paddling in the surf and open coast paddling environments.

14. Swift Water Rescue - 30 hours over 3 field days,
Text: Training Manual

Successful students will be awarded certification in Swift Water Rescue

Course Description

This course covers river rescue principles and techniques as they apply to canoes, kayaks, rafts and other personal watercraft designed for river use. Topics include river and rescue terminology, basic rescue theory and equipment, drowning, hypothermia, moving water rescues and rope systems.

Learning Outcomes

At the end of this unit, successful students should be able to:

- Communicate using river, hydrology, and rescue terminology as well as hand and whistle signals.
- Swim comfortably in moving water and perform contact rescues and tows on victims in distress.
- Perform a variety of shallow water crossings
- Perform a variety of non-rope rescues and basic rope rescues and demonstrate competency with a throw bag.
- Go to the aid of others without putting one’s own or any other group member’s health and safety in jeopardy.
15. Cross-Country Skiing – 30 hours over 5 days

Course Description

An introduction course designed to expose students to the fundamentals of cross-country skiing and to improve technique. Emphasis is placed on learning the different Nordic techniques, diagonal stride, double polling, and the numerous skating techniques. Ski types and structure will be discussed as waxing techniques.

16. Mountain Bike Clinic – 16 hours over 12 days

Course Description

An introductory course, which will expose students to the equipment, maintenance, types of riding and bikes, safety precautions, and the handling of a bike in a variety of terrain. This course will also include trail maintenance and wilderness ethic practices. We will look at this growing industry and the adventure tourism opportunities in this field.

17. Marine Operators Ticket

Course Description

This course involves the government standards to operate a marine radio.

SPECIAL NEEDS:

Any student who feels that s/he may need accommodation for any type of disability is encouraged to contact the Access Education/Student Services Centre (489-8243 or 1-877-489-2687 local 243) in the Access Education Centre.

Access Education may be contacted for the following needs:

- Tutorial support through peer tutoring
- Specific services for Aboriginal students
- Agency support and liaison
- Personal concerns that may interfere with academic success or college adjustment
- The Writing Lab

COURSE COSTS:

The tuition fees and any other fees such as student union fees for this course/program are determined by the fee structure for University Studies, Career Technical, or Vocational programs/courses. For details of current tuition fees, please check current College of the Rockies Program Guide and/or our website at www.cotr.bc.ca/registration under Fees and Refunds.

Please note that some programs/courses require students to pay equipment fees; check specific programs for details.
College of the Rockies reserves the right to change fees without notice.

Please visit the College Bookstore at www.cotr.bc.ca/bookstore to view the list of textbooks and other learning materials or tools required for the course.

Students are responsible for their own meals.

FOR FURTHER INFORMATION:

You can contact your Instructor: D. Wan, 250-344-5901, local 128; E-mail dwan@cotr.bc.ca
Golden Campus Manager: Karen Cathcart, 250-344-5901 local 123; E-mail cathcart@cotr.bc.ca
Department Head: Bill Crouch, 250-489-2751 local 330; E-mail crouch@cotr.bc.ca
Dean: Gary Johnson, 250-489-2751, local 217; E-mail johnson@cotr.bc.ca

COURSE CHANGES:

Information contained in this course outline 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. The timetable may also be revised.