



COURSE OUTLINE: ARL204 - WLDRNSS ADV FIRS AID

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Approved: Karen Hudson, Dean, Community Services and Interdisciplinary Studies

Course Code: Title	ARL204: WILDERNESS ADVANCED FIRST AID
Program Number: Name	5212: ADVENTURE RECREATION
Department:	NATURAL RESOURCES PRG
Academic Year:	2024-2025
Course Description:	Wilderness Advanced First Aid is comprehensive medical training designed for remote professionals or wilderness leaders who venture into remote and challenging environments. Wilderness Medicine differs significantly from standard first aid courses and other training that are oriented toward urban environments. This course teaches how to manage medical emergencies when hospitals and rescue services may not be available for an extensive time period. We prepare students for emergency situations that involve prolonged patient care, severe environments, and improvised equipment. This course is delivered in partnership with Wilderness Medical Associates.
Total Credits:	3
Hours/Week:	43
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Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course:	<p>5212 - ADVENTURE RECREATION</p> <p>VLO 1 Demonstrate clear, concise and industry appropriate written, spoken and visual communication skills.</p> <p>VLO 2 Identify, discuss, organize and assess common Flora & Fauna species found throughout ON, including biological and physiological characteristics.</p> <p>VLO 4 Identify and evaluate the requirements for leading and participating in expeditions or field exercises using a variety of Adventure Recreation activities.</p> <p>VLO 7 Describe the scientific method and how it shapes our understanding of the ecology of the natural world.</p> <p>VLO 9 Safely operate and maintain equipment used in Adventure Recreation and Park operations.</p> <p>VLO 10 Evaluate and apply current technologies and mathematical concepts used to collect, manage and analyze data.</p> <p>VLO 11 Analyze, evaluate and apply subjective and objective safety considerations for Adventure Recreation and Parks activities.</p>
Essential Employability Skills (EES) addressed in this course:	<p>EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.</p> <p>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p>

Please refer to program web page for a complete listing of program outcomes where applicable.



- EES 3 Execute mathematical operations accurately.
- EES 4 Apply a systematic approach to solve problems.
- EES 5 Use a variety of thinking skills to anticipate and solve problems.
- EES 6 Locate, select, organize, and document information using appropriate technology and information systems.
- EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.
- EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.
- EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
- EES 10 Manage the use of time and other resources to complete projects.
- EES 11 Take responsibility for ones own actions, decisions, and consequences.

Course Evaluation:

Satisfactory/Unsatisfactory
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A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.

Other Course Evaluation & Assessment Requirements:

Interviews
Exams
Assignments
Demonstration of skills

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
1. Determine the general principals of wilderness first aid	1.1 Determine the general principles of physiology and pathology 1.2 Interpret general principals of wilderness rescue 1.3 Patient assessment 1.4 Prepare SOAP notes
Course Outcome 2	Learning Objectives for Course Outcome 2
2. Understanding of critical body systems	2.1 Identify the critical body systems 2.2 Describe the circulatory systems 2.3 Describe the respiratory system 2.4 Describe the Nervous system 2.5 Diagnose anticipated problems associated with the critical body systems
Course Outcome 3	Learning Objectives for Course Outcome 3
3. Recognizing problems and treatment of critical systems	3.1 Identify common environmental injuries and treatment 3.2 Anticipate common thermoregulation and cold injuries and associated treatment 3.3 Explain common altitude and water related injuries and associated treatment 3.4 Assess Lightning, toxin, envenomation and disease vectors and associated treatment
Course Outcome 4	Learning Objectives for Course Outcome 4
4. Using backcountry	4.1 Determine best approaches using backcountry medicine



	medicine	4.2 Assess chest and abdomen pain 4.3 Assess gastrointestinal and genitourinary problems 4.4 Address respiratory infections and skin rash 4.5 Establish strategies for behavioral issues
Evaluation Process and Grading System:	Evaluation Type	Evaluation Weight
	Assignments	20%
	Exams	20%
	Interviews	20%
	Simulation	40%
Date:	June 21, 2024	
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.	