



## COURSE OUTLINE: ARL204 - WLDRNSS ADV FIRS AID

Prepared: L. Foster

Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

<b>Course Code: Title</b>	ARL204: WILDERNESS ADVANCED FIRST AID
<b>Program Number: Name</b>	5212: ADVENTURE RECREATION
<b>Department:</b>	NATURAL RESOURCES PRG
<b>Academic Year:</b>	2023-2024
<b>Course Description:</b>	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.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	43
<b>Total Hours:</b>	43
<b>Prerequisites:</b>	There are no pre-requisites for this course.
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>	<b>5212 - ADVENTURE RECREATION</b>
<b>Please refer to program web page for a complete listing of program outcomes where applicable.</b>	VLO 1 Demonstrate clear, concise and industry appropriate written, spoken and visual communication skills.
	VLO 2 Identify, discuss, organize and assess common Flora & Fauna species found throughout ON, including biological and physiological characteristics.
	VLO 4 Identify and evaluate the requirements for leading and participating in expeditions or field exercises using a variety of Adventure Recreation activities.
	VLO 7 Describe the scientific method and how it shapes our understanding of the ecology of the natural world.
	VLO 9 Safely operate and maintain equipment used in Adventure Recreation and Park operations.
	VLO 10 Evaluate and apply current technologies and mathematical concepts used to collect, manage and analyze data.
<b>Essential Employability Skills (EES) addressed in this course:</b>	VLO 11 Analyze, evaluate and apply subjective and objective safety considerations for Adventure Recreation and Parks activities.
	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.
	EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.



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

<b>Course Evaluation:</b>	<p>Satisfactory/Unsatisfactory &amp; A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.</p>
---------------------------	--

<b>Other Course Evaluation &amp; Assessment Requirements:</b>	<p>Interviews Exams Assignments Demonstration of skills</p>
---	---

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

<b>Evaluation Type</b>	<b>Evaluation Weight</b>
Assignments	20%
Exams	20%
Interviews	20%
Simulation	40%

**Date:**

July 13, 2023

**Addendum:**

Please refer to the course outline addendum on the Learning Management System for further information.

