

Colorado Outdoor Recreational Leadership Course Scope and Sequence

Course Name	White Water Rafting Guide		Course Details	Level 4 course in the Outdoor Recreational Leadership Pathway. Prerequisites: River Orientation and White Water Rafting
			Course = 0.50 Carnegie Unit Credit	
Course Description	The classroom portion includes a review of the logistics, equipment, clothing, safety considerations, risk management, outdoor ethics, river reading fundamentals, and leadership skills. The remainder of the course will be spent with a licensed outfitter practices all related and required skills while on the river.			
Note:	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all essential knowledge and skills are covered.			
SCED Identification #		Schedule calculation based on 60% of a semester instructional time. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics.		
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at https://www.cde.state.co.us/standardsandinstruction/essentialskills				
Unit Number, Title and Brief Description	CTE or Academic Standard Alignment	Competency / Performance Indicator	Outcome / Measurement	CTSO Integration
Unit 1: Equipment	Introduction to the uses, designs construction, and repair of; rafts, paddles, personal flotation devices, helmets, throw ropes, repair kits, and first aid kits. Outfitting the raft for whitewater. Proper clothing Required group equipment for comfort and safety			
Unit 2: Rigging the Raft	Raft rigging techniques for use in whitewater. Paddle boat vs. Oar boat Safety and efficiency considerations			

	<p>Securing boats and equipment to vehicles and trailers.</p> <p>Proper knots and balancing the load.</p> <p>Loading and unloading the rafts from vehicles and trailers</p> <p>De-rigging the load.</p>			
Unit 3: Moving Water Features	<p>Fundamentals of river currents</p> <p>Volume, gradient, obstacles, waves, hazards</p> <p>Types of rapids</p> <p>International Rapid Rating Scale</p>	<p>Explain how river rapids are formed and identify the intensity of rapids using the standard I-VI classification system.</p>		
Unit 4: River Reading Responsibilities for River Guides	<p>Customer Safety</p> <p>Scouting techniques</p> <p>Selecting a course</p> <p>Private and public property considerations.</p>	<p>Identify hazards</p> <p>Demonstrate steps for scouting and running rapids.</p>		
Unit 5: Maneuvering the Raft in Whitewater	<p>Strokes for customers</p> <p>Strokes for guides</p> <p>Experiencing total boat control</p> <p>Using currents and features</p> <p>Ferrying, eddy turns, peelouts, right and left turns.</p>	<p>Demonstrate the proper techniques for rigging and maneuvering a raft on a Class III river.</p> <p>Understand the effects of river currents, eddies, and irregular waves have on the maneuverability of a vessel.</p>		
Unit 6: Orientation of the Guide to the Customer	<p>Safety considerations of guests in and out of the boat</p>	<p>Identify and demonstrate the proper fitting, wearing, and use of personal flotation devices.</p>		

	<p>Weather and river conditions vs personal equipment and clothing</p> <p>Proper use and fit of outfitter equipment</p> <p>Passenger riding and positioning in the boat</p> <p>Passenger what to do in the event of an accident</p> <p>Safety procedures for swimming a rapid and getting back into the boat</p> <p>River Corridor Ethics</p> <p>Sanitation, litter prevention, and human waste disposal.</p>	<p>Repeat from memory an appropriate river safety orientation for passengers engaging in whitewater sports</p>		
Unit 7: Safety Talk to Customers	<p>River Commands</p> <p>Power, weight, and balance</p> <p>Getting the most from your crew</p>			
Unit 8: On-River Orientation of the trip	<p>Paddle signals</p> <p>Spacing of the rafts</p> <p>Responsibilities of the lead and sweep boats</p> <p>River etiquette (among the outfitters)</p> <p>Guide and passenger behaviors at the put-in, on the river, and at the take-out.</p>			
Unit 9: Trip Leader Responsibilities	<p>State Requirements</p> <p>Timing Issues</p> <p>Evacuation Protocols</p>	<p>Recall and employ minimal impact techniques for river corridors</p> <p>Operate a commercial type whitewater craft on an</p>		

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