

Course Objectives/Course Outline
Spokane Community College

Course Title: Fisheries Ecology

Prefix and Course Number: ENVS 216

Course Learning Outcomes:

By the end of this course, a student should be able to:

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Course Outline:

- I. Understand the importance of fish and fisheries to humans and how human activities affect fish and fish populations
- II. Understand basic fish anatomy and be able to discuss how that influences habitat use and responses to human activities
- III. Be able to identify common freshwater fish found in the Pacific Northwest and Rocky Mountain regions
- IV. Understand basic stream ecology, including fluvial geomorphology processes, and be able to discuss how they affect fish species composition, habitat use, and population responses
- V. Understand common management practices that affect riparian habitat, especially forestry and agricultural uses, and be able to discuss how they affect fish and fish populations
- VI. Understand processes that affect fish, fish habitats, and fish management in lakes, reservoirs, and ponds
- VII. Be familiar with hatchery management processes and be able to discuss how they affect fish and human uses of fish
- VIII. Be familiar with landscape scale approaches to fisheries management, including an understanding of how threatened and endangered species are managed and can be conserved.