**Intro to Fish and Wildlife Syllabus**

**The course content:**

1) Introduction

2) Basic Ecology

a) Relationship of a single species and its environment

i) Evolution and natural selection

ii) Ecology of individuals

iii) Ecology of populations

b) Species interactions – communities and food webs

c) Species interactions – ecosystems

3) Conservation and management of single species

a) Threatened and endangered species

b) Harvest of fish and wildlife

c) Animal damage control

4) Ecosystem Management

a) Biological integrity

b) Management of ecosystem structure and function

c) Management considerations for specific ecosystems

i) Aquatic ecosystems

ii) Riparian and wetland ecosystems

iii) Forest ecosystems

iv) Range ecosystems

v) Urban and agricultural ecosystems

5) Human Dimensions

a) Human decision making

b) The legal basis of fisheries and wildlife management

6) Putting it all together – salmon in the Pacific northwest

## Grade conversion scale is the same described in the

## Student handbook

## Class rules: This is a lab class which promotes work ethic, attention to details, following accepted protocols, teamwork, critical thinking. The student must follow the rules posted in the front of the class:

* Follow all rules in the Philomath High School Student Handbook
* Follow all established safety guidelines
* Be respectful to others and their property
* Come to class prepared and in your seat on time

Thank you, Simon Babcock

Philomath High School Forestry/Natural Resources Instructor

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