FISHERIES MANAGEMENT
GRADUATE CERTIFICATE

Also available via Ecampus.

Current Graduate Students: You must notify the Department of Fisheries and Wildlife of your intention to pursue this certificate. Upon consultation with the certificate program coordinator, you will be given instructions regarding listing courses on your program of study and obtaining the required signature for that form.

For more information, please see our program site at http://ecampus.oregonstate.edu/online-degrees/graduate/fisheries-management/, the departmental website at http://fw.oregonstate.edu or contact the Certificate Program Director Dr. Bruce Dugger and Graduate Program Coordinator Dr. Susie Dunham at fw.gradadvising@oregonstate.edu.

The certificate requires:
- A minimum of 5 courses and 18 credits of total course work;
- A Capstone Project (applying knowledge and skills to a fisheries management issue), equivalent in time and effort to a 3-credit course (FW 506 Projects);
- One Core course (FW 554 Fishery Biology);
- A minimum of one course from the Human Dimensions area;
- Two to three courses from the Fisheries Sciences and Management Subject Area
- For further information, please see our website or email: fw.gradadvising@oregonstate.edu.

Courses are offered through Corvallis, at Hatfield Marine Science Center, and through Ecampus. Check the course catalog and schedule of classes for location and term offered.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FW 506</td>
<td>PROJECTS</td>
<td>3</td>
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<tr>
<td>FW 554</td>
<td>FISHERY BIOLOGY</td>
<td>4</td>
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</table>

Human Dimensions Subject Area

Select one course from the following: 3-4

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FW 515</td>
<td>FISHERIES AND WILDLIFE LAW AND POLICY</td>
<td></td>
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<tr>
<td>FW 522</td>
<td>INTRODUCTION TO OCEAN LAW</td>
<td></td>
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<td>FW 560</td>
<td>PSYCHOLOGY OF ENVIRONMENTAL DECISIONS</td>
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<td>FW 620</td>
<td>ECOLOGICAL POLICY</td>
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<td>PS 577</td>
<td>INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY</td>
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<tr>
<td>SNR 520</td>
<td>SOCIAL ASPECTS OF SUSTAINABLE NATURAL RESOURCES</td>
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Fisheries Science and Management Subject Area

Select two to three courses from either of the following subject areas: 7-8

Fish Science and Management

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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>FW 514</td>
<td>PROFESSIONAL DEVELOPMENT: MEETING COMMUNICATIONS</td>
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FW 519 | THE NATURAL HISTORY OF WHALES AND WHALING |
FW 524 | INTRODUCTION TO FISHERIES ASSESSMENT       |
FW 549 | HISTORY OF FISHERIES SCIENCE               |
FW 564 | MARINE CONSERVATION BIOLOGY                |
FW 565 | MARINE FISHERIES                            |
FW 571 | ENVIRONMENTAL PHYSIOLOGY OF FISHES          |
FW 573 | FISH ECOLOGY AND CONSERVATION              |
FW 574/OC 574 | EARLY LIFE HISTORY OF FISHES       |
FW 576 | FISH PHYSIOLOGY                             |
FW 597 | AQUACULTURE                                 |
FW 521 | AQUATIC BIOLOGICAL INVASIONS                |
FW 526 | COASTAL ECOLOGY AND RESOURCE MANAGEMENT     |
FW 534/OC 534 | ESTUARINE ECOLOGY                   |
FW 545/FES 545 | ECOLOGICAL RESTORATION                     |
FW 556 | FRESHWATER ECOLOGY AND CONSERVATION         |
FW 562 | ECOSYSTEM SERVICES                         |
FW 579 | WETLANDS AND RIPARIAN ECOLOGY               |
FW 580 | STREAM ECOLOGY                              |

Total Hours 17-19

Other courses may be substituted upon approval of the certificate director.

Major Code: CG08