MARINE RESOURCE MANAGEMENT GRADUATE CERTIFICATE

The management of our marine resources encompasses both biophysical and human dimensions. Marine management professionals need to understand these dimensions, utilizing both physical and social sciences to tackle challenging issues, and effectively communicate best management practices to scientists, decision makers, and stakeholders.

The Marine Resource Management graduate certificate offers a blend of science- and management-oriented courses that prepare participants (professionals, decision-makers, and graduate students) to become leaders in marine resource management.

Certificate Overview and Requirements

- Completion of core courses in marine policy and law,
- Two courses from the human dimensions area, and
- Two courses from the ocean and coastal science area.

Course Examples

- Ocean Law
- Rights-Based Fisheries Management
- Ecological Policy
- Physical Oceanography
- Marine Pollution

Current graduate students must notify the Marine Resource Management program of their intention to pursue this certificate. Upon consultation with MRM faculty, they will be given instructions regarding listing courses on their programs of study and obtaining the required signature for that form.

Professionals and other students must notify the Marine Resources Management program of their intention to pursue this certificate.

Contact Robert Allan, 541-737-1340, rallan@coas.oregonstate.edu, for more information.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRM 520</td>
<td>COASTAL LAW</td>
<td>3</td>
</tr>
<tr>
<td>MRM 530</td>
<td>PRINCIPLES AND PRACTICE OF MARINE RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
</tbody>
</table>

Human Dimensions Subject Area

Select at least 6 credits of the following:

- AEC 534  ENVIRONMENTAL AND RESOURCE ECONOMICS
- ANTH 581  NATURAL RESOURCES AND COMMUNITY VALUES
- COMM 540  THEORIES OF CONFLICT AND CONFLICT MANAGEMENT
- COMM 542  BARGAINING AND NEGOTIATION PROCESSES
- COMM 544  THIRD PARTIES IN DISPUTE RESOLUTION: MEDIATION/ARBITRATION
- FW 520  ECOLOGY AND MANAGEMENT OF MARINE FISHES
- FW 564  MARINE CONSERVATION BIOLOGY
- FW 620  ECOLOGICAL POLICY

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS 520</td>
<td>PRINCIPLES OF CLIMATE: PHYSICS OF CLIMATE AND CLIMATE CHANGE</td>
<td>6</td>
</tr>
<tr>
<td>FW 531</td>
<td>DYNAMICS OF MARINE BIOLOGICAL RESOURCES</td>
<td></td>
</tr>
<tr>
<td>OC 533</td>
<td>COASTAL AND ESTUARINE OCEANOGRAPHY</td>
<td></td>
</tr>
<tr>
<td>OEAS 520</td>
<td>THE SOLID EARTH</td>
<td></td>
</tr>
<tr>
<td>OEAS 530</td>
<td>THE FLUID EARTH</td>
<td></td>
</tr>
<tr>
<td>OEAS 540</td>
<td>THE BIOGEOCHEMICAL EARTH</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 18

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

Note: The Marine Resource Management graduate certificate is not eligible for federal financial aid if it is not part of a master’s degree-seeking program. The certificate is not eligible if taken as a stand-alone program. The MRM graduate certificate is eligible for federal financial aid if it is part of a master’s degree-seeking program.

Major Code: CG07