WATER CONFLICT MANAGEMENT AND TRANSFORMATION GRADUATE CERTIFICATE

Lynette de Silva, Director
Program in Water Conflict Management and Transformation
Oregon State University
College of Earth, Ocean, and Atmospheric Sciences
256 Wilkinson Hall
Corvallis, OR 97331
Phone: 541-737-7013
Fax: 541-737-1200
Email: desilval@geo.oregonstate.edu
Web: http://transboundarywaters.science.oregonstate.edu/

Also available via Ecampus.

The graduate certificate in Water Conflict Management and Transformation is an 18-credit interdisciplinary program. It is designed to provide graduate students, non-degree students, water professionals and decision-makers with the required specialized resources and skills to address the water demands and challenges of the 21st Century, in Oregon, across the United States and internationally.

The curriculum centers around case-based, interactive course and field work to provide an in-depth look at water conflict, conflict transformation, and prevention issues and strategies across four distinct and overlapping themes:

- Water Governance
- Water and Ecosystems
- Water and Society
- Water and Economics

Each theme incorporates several topics critical to understanding water conflicts.

The curriculum for the graduate certificate in Water Conflict Management and Transformation is as follows:

### Code Title Hours

**Capstone Course Work**
Select 3 credits of the following:

- COMM 542 BARGAINING AND NEGOTIATION PROCESSES
- COMM 546 COMMUNICATION IN INTERNATIONAL CONFLICT AND DISPUTES
- WRP 521 WATER CONFLICT MANAGEMENT AND TRANSFORMATION

### Capstone Practicum/Internship
Select one of the following:

- WRP 509 PRACTICUM
- WRP 510 INTERNSHIP

### Water Governance
Select one of the following:

- AEC 532 ENVIRONMENTAL LAW

### Water and Ecosystems
Select one of the following:

- BEE 512 PHYSICAL HYDROLOGY
- BEE 558 NONPOINT SOURCE POLLUTION ASSESSMENT AND CONTROL
- FE 530 WATERSHED PROCESSES
- FE 532 FOREST HYDROLOGY
- FW 526 COASTAL ECOSYSTEM AND RESOURCE MANAGEMENT
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>FW 579</td>
<td>WETLANDS AND RIPARIAN ECOLOGY</td>
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<tr>
<td>GEOG 523</td>
<td>SNOW HYDROLOGY</td>
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<tr>
<td>MNR 511</td>
<td>INTRODUCTION TO SUSTAINABLE NATURAL RESOURCES</td>
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<td>SNR 530</td>
<td>ECOLOGICAL PRINCIPLES OF SUSTAINABLE NATURAL RESOURCES</td>
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<td>SNR 540</td>
<td>GLOBAL ENVIRONMENTAL CHANGE</td>
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<td>WRS 532</td>
<td>APPLIED FIELD PROBLEMS</td>
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<td>WRS 536</td>
<td>FUNDAMENTALS OF HYDROLOGY</td>
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**Water and Economics**

Select one of the following:

- AEC 505  
  - READING AND CONFERENCE
- or AEC 507  
  - SEMINAR
- AEC 534  
  - ENVIRONMENTAL AND RESOURCE ECONOMICS
- AEC 550  
  - ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS
- AEC 551  
  - APPLICATIONS OF ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS
- SNR 521  
  - ECONOMICS OF SUSTAINABLE NATURAL RESOURCE MANAGEMENT
- WRP 523  
  - ENVIRONMENTAL WATER TRANSACTIONS
- WRP 599  
  - SPECIAL TOPICS (The Business of Water)

**Total Hours**: 18-20

Advisor guidance and approval is required for each student's certificate program of study. All students seeking a graduate certificate are subject to all general policies governing the courses for the master's degree. As such, these students will be required to take a minimum of 50% graduate stand-alone courses. The remaining credits may be the 500 component of 400/500 slash courses.

Non-degree students, and those requiring additional information and advising should contact Lynette de Silva at desilval@geo.oregonstate.edu.

**Major Code**: CG06