WATER CONFLICT MANAGEMENT AND TRANSFORMATION GRADUATE MINOR

Graduate Areas of Concentration

Water conflict management and transformation

The graduate minor in Water Conflict Management and Transformation is designed to accommodate the needs of professionals and graduate students. It offers an integrative approach that explicitly integrates human and policy dimensions of water resources within the framework of scientific and technological solutions. The graduate minor is a flexible, coherent program that offers critical and underemphasized skills essential to preventing and resolving water conflicts. It helps facilitate dialogue on critical water issues across diverse values and perspectives, and it serves OSU students, citizens and officials in Oregon, 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, and water and economics. Each theme incorporates several topics critical to understanding water conflicts. A highlight of the minor is the capstone course coupled with an intersession practicum working with watershed councils, landowners, and agencies in Northeast Oregon; and a guided and critiqued project in which two teams take on, for example, the roles of Jordan and Israel to negotiate a treaty for water resource allocation in a simulated water negotiation. These techniques will hone student skills, understanding and thought development. Students will also take part in fieldwork in a watershed or basin at risk of, or in, water conflict.

Through this minor, students will learn about and practice conflict transformation skills, explore what new institutional networks and relationships are needed, and how these can be achieved through role-playing, in-class exercises, and guest lectures. Students will also be introduced to leadership skills for guiding this type of change.

Contact Lynette de Silva, 541-737-7013, desilval@geo.oregonstate.edu, for additional information.

Minor Code: 1006

All students seeking a graduate minor 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 percent graduate stand-alone courses. The remaining credits may be the 500-component of 400/500 slash courses.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>WRP 521</td>
<td>WATER CONFLICT MANAGEMENT AND TRANSFORMATION</td>
<td>3</td>
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Capstone Practicum/Internship

Select one course from the following:

- WRP 509 PRACTICUM
- WRP 510 INTERNSHIP

Water Governance

Select one course from the following:

- COMM 540 THEORIES OF CONFLICT AND CONFLICT MANAGEMENT
- FOR 562 NATURAL RESOURCE POLICY AND LAW
- FOR 563 ENVIRONMENTAL POLICY AND LAW INTERACTIONS
- GEOD 540 WATER RESOURCES MANAGEMENT IN THE UNITED STATES
- GEOD 541 INTERNATIONAL WATER RESOURCES MANAGEMENT
- PS 575 ENVIRONMENTAL POLITICS AND POLICY
- PS 577 INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY
- WRP 599 SPECIAL TOPICS (Oregon Water Law and Policy)

Water and Society

Select one course from the following:

- ANTH 581 NATURAL RESOURCES AND COMMUNITY VALUES
- ENVE 531 FATE AND TRANSPORT OF CHEMICALS IN ENVIRONMENTAL SYSTEMS
- ENVE 532 AQUATIC CHEMISTRY NATURAL AND ENGINEERED SYSTEMS
- ENVE 554 GROUNDWATER REMEDIATION
- ENVE 556 SUSTAINABLE WATER RESOURCES DEVELOPMENT
- FES 585 CONSENSUS AND NATURAL RESOURCES
- GEOD 530 RESILIENCE-BASED NATURAL RESOURCE MANAGEMENT
- H 512 INTRODUCTION TO ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES
- H 514 ENVIRONMENT, SAFETY AND HEALTH SEMINAR
- H 527 CRITICAL ASSESSMENT OF INTERNATIONAL HEALTH PROGRAMS
- H 528 GLOBAL HEALTH ISSUES
- H 529 INTERNATIONAL HEALTH
- H 540 WATER AND HUMAN HEALTH
- H 541 AIR QUALITY AND HUMAN HEALTH
- PHL 540 ENVIRONMENTAL ETHICS
- PHL 543 WORLD VIEWS AND ENVIRONMENTAL VALUES
- or REL 543 WORLD VIEWS AND ENVIRONMENTAL VALUES
- PS 577 INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY
- SNR 520 SOCIAL ASPECTS OF SUSTAINABLE NATURAL RESOURCES
- SOC 580 ENVIRONMENTAL SOCIOLOGY
- SOC 581 SOCIETY AND NATURAL RESOURCES
- WRP 524 SOCIO-TECHNOLOGICAL ASPECTS OF WATER RESOURCES

Water and Ecosystems

Select one course from 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 ECOLOGY AND RESOURCE MANAGEMENT
- FW 579 WETLANDS AND RIPARIAN ECOSY stem
- GEOD 523 SNOW HYDROLOGY
- MNR 511 INTRODUCTION TO SUSTAINABLE NATURAL RESOURCES
- SNR 530 ECOLOGICAL PRINCIPLES OF SUSTAINABLE NATURAL RESOURCES
- SNR 540 GLOBAL ENVIRONMENTAL CHANGE
- WRS 532 APPLIED FIELD PROBLEMS
- WRS 536 FUNDAMENTALS OF HYDROLOGY
## Water Conflict Management and Transformation Graduate Minor

<table>
<thead>
<tr>
<th>Water and Economics</th>
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<tbody>
<tr>
<td>Select one course from the following:</td>
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<tr>
<td>AEC 505</td>
<td>READING AND CONFERENCE</td>
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<tr>
<td>or AEC 507</td>
<td>SEMINAR</td>
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<tr>
<td>AEC 534</td>
<td>ENVIRONMENTAL AND RESOURCE ECONOMICS</td>
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<tr>
<td>AEC 550</td>
<td>ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS</td>
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<tr>
<td>AEC 551</td>
<td>APPLICATIONS OF ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS</td>
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<tr>
<td>SNR 521</td>
<td>ECONOMICS OF SUSTAINABLE NATURAL RESOURCE MANAGEMENT</td>
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<tr>
<td>WRP 523</td>
<td>ENVIRONMENTAL WATER TRANSACTIONS</td>
</tr>
<tr>
<td>WRP 599</td>
<td>SPECIAL TOPICS (The Business of Water)</td>
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Total Hours 18-20

**Minor Code:** 1006