

WATER CONFLICT MANAGEMENT AND TRANSFORMATION GRADUATE CERTIFICATE

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Program in Water Conflict Management and Transformation

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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:		3
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:		3
WRP 509	PRACTICUM	
WRP 510	INTERNSHIP	
Water Governance		
Select one of the following:		3
AEC 532	ENVIRONMENTAL LAW	

COMM 540	THEORIES OF CONFLICT AND CONFLICT MANAGEMENT	
FOR 562	NATURAL RESOURCE POLICY AND LAW	
FOR 563	ENVIRONMENTAL POLICY AND LAW INTERACTIONS	
GEOG 540	WATER RESOURCES MANAGEMENT IN THE UNITED STATES	
GEOG 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 of the following:		3-4
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	
GEOG 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	SOCIOTECHNOLOGICAL ASPECTS OF WATER RESOURCES	
Water and Ecosystems		
Select one of the following:		3-4
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 ECOLOGY	
GEOG 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 and Economics		
Select one of the following:		3
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