

# WATER RESOURCES POLICY AND MANAGEMENT GRADUATE MAJOR (MS)

## Graduate Areas of Concentration

### *Water resources policy and management*

A Masters Degree in Water Resources Policy and Management is offered with specialization in the human dimensions of water resources policy and management. Seminars, readings, and conferences in water resources policy and management are offered by Water Resources Graduate Program and several affiliated departments.

The graduate degree options are structured around courses designed to broaden the student's education in water resources policy and management. University departments that offer courses related to water resources policy and management include the departments of Applied Economics; Anthropology; Fisheries and Wildlife; Geosciences; Rangeland Ecology and Management; Statistics; and Zoology; the School of Public Policy; the School of Forest Engineering, Resources and Management; the School of Biological and Population Health Sciences; the College of Business Administration, and the College of Earth, Ocean, and Atmospheric Sciences.

For more information, contact [gradwater\\_director@oregonstate.edu](mailto:gradwater_director@oregonstate.edu) or visit <http://oregonstate.edu/gradwater/>

| Code                                | Title  | Hours |
|-------------------------------------|--|-------|
| <b>Core Courses</b>                 |  |       |
| WRP 507                             | SEMINAR  | 1     |
| or WRS 507                          | SEMINAR  |       |
| WRP 505                             | READING AND CONFERENCE                                       | 1     |
| or WRE 505                          | READING AND CONFERENCE                                       |       |
| or WRS 505                          | READING AND CONFERENCE                                       |       |
| WRP 507                             | SEMINAR  | 1     |
| or WRE 507                          | SEMINAR  |       |
| or WRS 507                          | SEMINAR  |       |
| WRP 524                             | SOCIOTECHNOLOGICAL ASPECTS OF WATER RESOURCES                | 3     |
| <b>Methods and Numerical Skills</b> |  |       |
| Select 9 credits of the following:  |  | 9     |
| CS 540                              | DATABASE MANAGEMENT SYSTEMS                                  |       |
| GEOG 560                            | GISCIENCE I: INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE  |       |
| GEOG 565                            | SPATIO-TEMPORAL VARIATION IN ECOLOGY AND EARTH SCIENCE       |       |
| ST 511                              | METHODS OF DATA ANALYSIS                                     |       |
| ST 512                              | METHODS OF DATA ANALYSIS                                     |       |
| ST 513                              | METHODS OF DATA ANALYSIS                                     |       |
| ST 531                              | SAMPLING METHODS   |       |
| <b>Basic Water Science</b>          |  |       |
| Select 6 credits of the following:  |  | 6     |
| ATS 520                             | PRINCIPLES OF CLIMATE: PHYSICS OF CLIMATE AND CLIMATE CHANGE |       |
| BEE 512                             | PHYSICAL HYDROLOGY   |       |

|                                     |  |    |
|-------------------------------------|--|----|
| CE 514                              | GROUNDWATER HYDRAULICS                                       |    |
| FE 530                              | WATERSHED PROCESSES  |    |
| GEO 530                             | GEOCHEMISTRY   |    |
| GEO 531                             | ENVIRONMENTAL GEOCHEMISTRY                                   |    |
| GEO 532                             | APPLIED GEOMORPHOLOGY  |    |
| GEOG 596                            | FIELD RESEARCH IN GEOMORPHOLOGY AND LANDSCAPE ECOLOGY        |    |
| SOIL 535                            | SOIL PHYSICS   |    |
| <b>Policy and Management</b>        |  |    |
| Select 15 credits of the following: |  | 15 |
| AEC 505                             | READING AND CONFERENCE (Resource Economics)                  |    |
| or AEC 507                          | SEMINAR  |    |
| AEC 512                             | MICROECONOMIC THEORY I                                       |    |
| AEC 525                             | APPLIED ECONOMETRICS   |    |
| AEC 534                             | ENVIRONMENTAL AND RESOURCE ECONOMICS                         |    |
| AEC 543                             | INTERNATIONAL TRADE  |    |
| AEC 550                             | ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS                 |    |
| AEC 551                             | APPLICATIONS OF ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS |    |
| ANTH 576                            | ADVANCED ANTHROPOLOGICAL THEORY SEMINAR                      |    |
| ANTH 577                            | ECOLOGICAL ANTHROPOLOGY                                      |    |
| ANTH 585                            | USES OF ANTHROPOLOGY   |    |
| ANTH 591                            | ETHNOGRAPHIC METHODS   |    |
| COMM 540                            | THEORIES OF CONFLICT AND CONFLICT MANAGEMENT                 |    |
| COMM 546                            | COMMUNICATION IN INTERNATIONAL CONFLICT AND DISPUTES         |    |
| FOR 562                             | NATURAL RESOURCE POLICY AND LAW                              |    |
| FOR 563                             | ENVIRONMENTAL POLICY AND LAW INTERACTIONS                    |    |
| GEO 532                             | APPLIED GEOMORPHOLOGY  |    |
| GEOG 530                            | RESILIENCE-BASED NATURAL RESOURCE MANAGEMENT                 |    |
| GEOG 540                            | WATER RESOURCES MANAGEMENT IN THE UNITED STATES              |    |
| GEOG 541                            | INTERNATIONAL WATER RESOURCES MANAGEMENT                     |    |
| PS 575                              | ENVIRONMENTAL POLITICS AND POLICY                            |    |
| PS 576                              | SCIENCE AND POLITICS   |    |
| PS 577                              | INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY              |    |
| SOC 556                             | SCIENCE AND TECHNOLOGY IN SOCIAL CONTEXT                     |    |
| SOC 581                             | SOCIETY AND NATURAL RESOURCES                                |    |
| Total Hours                         |  | 36 |

**Major Code: 0990**