

Professional Science Master's in Fisheries and Wildlife Administration Curriculum 2017 - 2018

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|--------------------------------------|--|---------------------------------------|--|
| First and Last Name: | | ID #: | |
| Day Phone: | | Email: | |
| Internship Mentor (if known): | | Concurrent OSU Degree Program: | |

A total of 45 credits hours are required for the Degree, 23 of these must meet stand alone requirements.

Slash courses (4XX/5XX) are courses that meet at their scheduled time or are linked in Canvas with an undergraduate course. Slash courses do not meet graduate stand alone requirements. An * next to a slash course listing designates the slash only applies to the Corvallis Campus section; Ecampus sections are considered stand alone.

| Term Intended to Take | Term Taken & Grade | | X = Slash Course | Credits | Term and Campus | | | | |
|---|--------------------|---|------------------|---------|-------------------------|----------|----------|-----------|-----------|
| | | | | | F | W | Sp | Su | |
| Biophysical Sciences Core (20 credit, including at least 1 Quantitative Skills course) | | | | | 20 | | | | |
| | | BI/FES/MCB/TOX 535 Genes and Chemicals in Agriculture: Value and Risk | X | 3 | See schedule of classes | | | | |
| | | BOT 540 Field Methods in Plant Ecology | X | 4 | See schedule of classes | | | | |
| | | FES 536 Carbon Sequestration in Forests | | 2 | See schedule of classes | | | | |
| | | FES 548 Biology of Invasive Plant | | 3 | See schedule of classes | | | | |
| | | FW 519 The Natural History of Whales and Whaling | X | 3 | H | E | | | |
| | | FW 521 Aquatic Biological Invasions | X | 4 | | E | | H | |
| | | FW 526 Coastal Ecology and Resource Management | X | 5 | E,H | | | | |
| | | FW 527 Principles of Wildlife Diseases | X | 4 | | | E | E | |
| | | FW 535 Wildlife in Agricultural Ecosystems | X | 3 | E | C | E | | |
| | | FW/FES 545 Ecological Restoration | X | 4 | E | | C,E | E | |
| | | FW 551 Avian Conservation and Management (Corvallis - F '19) | | 3 | E | | | | |
| | | FW/FES 552 Forest Wildlife Habitat Management | | 4 | | | | | |
| | | FW 554 Fishery Biology | X | 4 | C | E | | | |
| | | FW 556 Limnology | X | 5 | | | C,E | | |
| | | FW 558 Mammal Conservation and Management | X | 4 | E | E | C | | |
| | | FW 562 Ecosystem Services | X | 3 | | | E | | |
| | | FW 563 Conservation Biology of Wildlife (Corvallis - W '18, '20) | | 3 | | C'18 | E | | |
| | | FW 564 Marine Conservation Biology | X | 3 | C,H | | | | |
| | | FW 565 Marine Fisheries | X | 4 | C,H | | | | |
| | | FW/HSTS 570 Ecology and History: Landscapes of the Columbia Basin | X | 3 | | E | | | |
| | | FW 573 Fish Ecology and Conservation | | 4 | | C | E | | |
| | | FW 575 Wildlife Behavior | | 4 | E | | | E | |
| | | FW 576 Fish Physiology | X | 4 | | | E | | |
| | | FW 579 Wetlands and Riparian Ecology (Corvallis - Sp '18, '20) | X* | 3 | E | | C'18,E | | |
| | | FW 580 Stream Ecology | | 3 | | E | | | |
| | | FW 581 Wildlife Ecology | | 3 | | | E | | |
| | | FW 597 Aquaculture | X | 3 | E | | | | |
| | | FW 599 Special Topics in Fisheries and Wildlife | X | 2-4 | See schedule of classes | | | | |
| | | MNR 530 Tropical Forest Ecology and Management: A Global Perspective | | 3 | See schedule of classes | | | | |
| | | RHP 588 Radioecology | X | 3 | See schedule of classes | | | | |
| | | SNR 530 Ecological Principles of Sustainable Natural Resources | | 3 | See schedule of classes | | | | |
| | | SNR 540 Global Environmental Change | | 3 | See schedule of classes | | | | |
| Quantitative Skills in FW Science (2-4 credits) | | | | | 2-4 | | | | |
| | | BEE 511 Global Environmental Change: Using Data to Inform Decisions | X | 3 | See schedule of classes | | | | |
| | | CH 584 Instruments and Online Interactions in the Sciences | | 3 | See schedule of classes | | | | |
| | | CH 590 Computer Programming for Scientists | X | 3 | See schedule of classes | | | | |
| | | FES/MNR 522 Research Methods in Social Science | X | 4 | See schedule of classes | | | | |
| | | FW 524 Introduction to Fisheries Assessment | | 3 | | | E | | |
| | | FW 531 Dynamics of Marine Biological Resources | X | 4 | See schedule of classes | | | | |
| | | FW 538 Structured Decision Making in Natural Resource Management Lab | | 2 | See schedule of classes | | | | |
| | | FW 540 Vertebrate Population Dynamics | | 4 | See schedule of classes | | | | |
| | | GEOG 580 Remote Sensing I: Principles and Applications (previously GEO 544) | X | 4 | See schedule of classes | | | | |
| | | GEOG 560 GIScience I: Intro. To Geographic Information Science (previously GEO 565) | | 4 | See schedule of classes | | | | |
| | | MCB/VMB 671 Molecular Tools | | 3 | See schedule of classes | | | | |
| | | ST 511 Methods of Data Analysis | X | 4 | See schedule of classes | | | | |
| Social Sciences Core (12 credits total, 5 credit hours from required list, plus 7 additional credits, with at least one course from Policy and one course from Human Dimensions) | | | | | 12 | F | W | Sp | Su |
| Required (5 credits) | | | | | 5 | | | | |
| | | FW 537 Structured Decision Making in Natural Resource Management | | 2 | | | | | |
| | | FW 515 Fisheries and Wildlife Law and Policy | | 3 | | E | E | | |
| | | or FW 620 Ecological Policy | | 3 | E | | E | | |
| Policy Courses (3-4 credits) | | | | | 3 - 4 | | | | |
| | | AEC 532 Environmental Law | X | 4 | See schedule of classes | | | | |
| | | FES/HORT 555 Urban Forest Planning, Policy and Management | X | 4 | See schedule of classes | | | | |
| | | FW 522 Introduction to Ocean Law | X | 3 | E | | | | |
| | | GEO 550 Land Use in the American West | X | 3 | See schedule of classes | | | | |
| | | PS 555 The Politics of Climate Change | X | 4 | See schedule of classes | | | | |
| | | PS 575 Environmental Politics and Policy | X | 4 | See schedule of classes | | | | |
| | | PS 576 Science and Politics | X | 4 | See schedule of classes | | | | |
| | | PS 577 International Environmental Politics and Policy | X | 4 | See schedule of classes | | | | |
| | | WRP 523 Environmental Water Transactions | | 3 | See schedule of classes | | | | |
| Human Dimensions Courses (1-5 credits) | | | | | 1 - 5 | | | | |
| | | AEC 534 Environmental and Resource Economics | | 3 | See schedule of classes | | | | |

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| | AEC 544 | Commodity Futures and Options Markets | X | 4 | See schedule of classes | | | | |
| | AREC/MRM 552 | Marine Economics | X | 3 | See schedule of classes | | | | |
| | BI/FES/MCB/TOX 535 | Genes and Chemicals in Agriculture: Value and Risk | X | 3 | See schedule of classes | | | | |
| | FES 553 | Nature-Based Tourism | X | 3 | See schedule of classes | | | | |
| | FES 554 | Managing at the Wildland-Urban Interface | X | 3 | See schedule of classes | | | | |
| | FES 585 | Consensus and Natural Resources | X | 3 | See schedule of classes | | | | |
| | FES 592 | Ecosystem Services Ecology, Sociology, Policy | X | 3 | See schedule of classes | | | | |
| | FW 526 | Coastal Ecology and Resource Management | X | 5 | E,H | | | | |
| | FW 549 | History of Fisheries Science | | 3 | | E | | | |
| | FW 583 | Species Recovery Planning and Restoration | | 3 | E | | | | |
| | GEOG 540 | Water Resources Management in the United States (previously GEO 525) | X | 3 | See schedule of classes | | | | |
| | GEOG 541 | International Water Resources Management (previously GEO 524) | X | 3 | See schedule of classes | | | | |
| | PHL 543 | World Views and Environmental Values | X | 3 | See schedule of classes | | | | |
| | SNR 511 | Sustainable Natural Resource Development | | 1 | See schedule of classes | | | | |
| | SNR 520 | Social Aspects of Sustainable Natural Resources | | 3 | See schedule of classes | | | | |
| | SNR 521 | Economics of Sustainable Natural Resource Management | | 3 | See schedule of classes | | | | |
| | SNR 535 | Sustainable Management of Aquatic and Riparian Resources | | 3 | See schedule of classes | | | | |
| | SNR 540 | Global Environmental Change | | 3 | See schedule of classes | | | | |
| | SOC 580 | Environmental Sociology | X | 4 | See schedule of classes | | | | |
| | SOC 581 | Society and Natural Resources | X | 4 | See schedule of classes | | | | |
| | WGSS 540 | Women and Natural Resources | X | 3 | See schedule of classes | | | | |
| Business, Communication, and Management Skills Core Courses (6 credits) | | | | 6 | | | | | |
| | AG 521 | Leadership Development | X | 3 | See schedule of classes | | | | |
| | AHE 534 | Organizations and Systems Theory | | 4 | See schedule of classes | | | | |
| | COMM 550 | Communication and the Practice of Science | | 3 | See schedule of classes | | | | |
| | FES 593 | Environmental Interpretation | X | 4 | See schedule of classes | | | | |
| | FW 514 | Professional Development: Meeting Communications | | 1 | E | E | E | E | |
| | PS 579 | Topics in Public Policy and Public Administration | X | 4 | See schedule of classes | | | | |
| | WR 525 | Advanced Scientific and Technical Writing | | 4 | See schedule of classes | | | | |
| | WRP 521 | Water Conflict Management and Transformation | | 3 | See schedule of classes | | | | |
| Ethics (1-3 credits) | | | | 1 - 3 | | | | | |
| | GRAD 520 | Responsible Conduct of Research | | 1 | See schedule of classes | | | | |
| | PHL 540 | Environmental Ethics | X | 3 | See schedule of classes | | | | |
| | PHL 547 | Research Ethics | | 3 | See schedule of classes | | | | |
| | SNR 522 | Basic Belief and Ethics in Natural Resources | | 3 | See schedule of classes | | | | |
| Internship (6 credits, one course) | | | | 6 | | | | | |
| | FW 510 | Professional Internship | | 1 - 16 | E | E | C,E | E | |
| | or FW 506 | Projects | | 1 - 6 | C,E | C,E | C,E | C,E | |
| Total Credits: Choose your final course(s) from any of the above sections. | | | | 45 | | | | | |
| Classes are subject to change at anytime: check the online schedule of classes for updates. | | | | | | | | | |
| Additional background courses | | | | | | | | | |
| These courses are approved for financial aid for Professional Science Masters in Fisheries and Wildlife Administration students but will not count toward a certificate degree. These courses are intended to help students prepare for grad level courses. | | | | | | F | W | Sp | Su |
| | BI 370 | Ecology | | 3 | C,E | C,E | C,E | E | |
| | FW 315 | Ichthyology | | 3 | C,E | E | E | E | |
| | FW 320 | Introductory Population Dynamics | | 4 | E | C,E | E | E | |
| | MTH 245 | Mathematics for Management, Life and Social Sciences | | 4 | C,E | C,E | C,E | C,E | |

If you plan to take a Leave of Absence or change your program of study, please contact the Graduate Certificate Program Coordinator and resubmit this form.

Please review each of the following program requirements:

- A total of 45 credit hours are required for the degree, 23 of these must meet the stand alone requirement.
- Students must enroll for a minimum of three credits each term (except Summer term). Students may request a Leave of Absence for terms in which they do not intend to enroll. Please contact the Graduate Program Coordinator if you intend to take a Leave of Absence.
- All work toward this degree must be completed within seven (7) years. This includes transfer credits, all course work, all examinations, and capstone project.
- A maximum of 6 credits graduate credits may be transferred toward a certificate. All transfer courses listed on the previous pages must be approved by the Program Director and meet one of the following definitions:
 - o Graduate courses taken at OSU while enrolled as a non-degree student, or
 - o Graduate courses taken at OSU while enrolled as a post baccalaureate student, or
 - o Graduate courses taken at OSU and reserved for graduate credit while enrolled as an undergraduate student, or
 - o Graduate courses taken at OSU and reserved for graduate credit while enrolled as a post baccalaureate student, or
 - o Graduate courses taken at other accredited universities after receiving a baccalaureate degree.
- None of the courses listed on this program will be completed with grades of S. I understand that such courses cannot be used in a graduate program.
- None of the courses listed on this program will be completed with letter grades below C (2.00).
- Transfer courses must be earned with grades of B or better and cannot have been used to fulfill requirements for another master's degree. Courses that are graded on a nonstandard basis, such as pass/no pass (P/N), credit/not credit, and satisfactory/unsatisfactory (S/U) cannot be used for transfer credit.