

Fisheries & Wildlife

Online Courses for Summer 2018

FW 207 Great Lakes Biology & Management



Get to know the Great Lakes! Learn about the ecology of the Great Lakes, major issues, and management strategies. *3 credits, Session 1.*

FW 491 Introduction to Lakes: Ecology & Management



Can't fit a 3 credit class about lakes into your schedule? This is a great way to learn the basics about lake ecosystems and their management. *1 credit, Session 1.*

FW 101 Fisheries & Wildlife Ecology & Management



Required for FW majors- get ahead! This class is open to all majors- come explore your outdoor interests. *3 credits, Session 2.*

FW 491 Recreational Fishing



Go fishing and learn how scientists study fish and fisheries. *2 credits online lecture, optional 1 credit off-campus lab, Session 2.*



For more information about these courses, see www.canr.msu.edu/fw/online or contact Jim Schneider at schne181@msu.edu. Summer 2018 enrollment begins March 12. Not an MSU student? No problem; enroll through Lifelong Education.

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Online Courses for Summer 2018

Great Lakes Biology & Management (FW 207, 3 credits)

This course focuses on the history and current status of the Great Lakes, elements of effective management of these invaluable resources, and implications for the citizenry of the Great Lakes basin. By the course's end, students will be able to evaluate status and trends in Great Lakes resources based on scientific data; assess management strategies for protecting Great Lakes resources; synthesize and communicate research about Great Lakes biology and management; and make an informed decision about a controversial issue, involving the Great Lakes biology & management. **FW207 is for you if:** you want to know more about the amazing Great Lakes that surround Michigan.

Introduction to Lakes: Ecology & Management (FW 491, Section 730, 1 credit)

This course provides a quick (1 credit) and effective introduction to lakes. The course focuses on lakes smaller than the Great Lakes, and includes an emphasis on lake shoreline areas. Ecological topics include interactions between aquatic organisms and their physical and chemical environment, and differences between native and invasive aquatic plants. Management topics include permitting processes and regulations regarding lakes, and engaging other stakeholders. Content is based on MSU Extension's An Introduction to Lakes course. **This course is for you if:** you'd like to know more about lakes and their management; you are an FW major but can't fit limnology in your schedule.

Fisheries & Wildlife Ecology & Management (FW 101, 3 credits)

FW 101 is the gateway course for the FW major at MSU. Students learn how science, social science and management concepts are integrated to achieve sustainable use and conservation of fisheries and wildlife resources. Topics include features of land- and water-based ecosystems, methods for studying animal populations, and the importance of accounting for diverse human values related to natural resources. **FW 101 is for you if:** you think you might want to major in FW; you are a life sciences major and want to learn more about conservation of animals and ecosystems; you've always enjoyed the outdoors and you want an elective related to your outdoor experiences.

Recreational Fishing (FW 491: 2 credit lecture is section 731; 1 credit lab is section 701)

The Recreational Fishing 2-credit lecture course and optional 1-credit lab explore the science of recreational fishing. Lecture topics include methods to reduce hooking mortality, strategies for reducing conflict among fishing groups, and the history of angling. The lab course will consist of 2 weekend fieldtrips to northern Michigan, covering animal care, best practices, safety, and fishing techniques. **This course is for you if:** you enjoy fishing, or are interested in learning to fish, and want to know more about its scientific basis; you have a 'non-aquatic' FW concentration, but would like to broaden your experiences and delve into the fisheries side of things.



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