Fish 493 Capstone Preparation, 1 credit (graded)

Course description and aims:

The capstone experience provides a unique opportunity to implement your degree learning in novel ways and to contribute to science early in your career. The aim of this first class in the series is to help you develop a research proposal that will be used as a framework for your research in subsequent quarters. This is the only part of the capstone series where you attend an actual class—in subsequent quarters (494 & 495) you will be working with your adviser. Your proposal will be developed in collaboration with your faculty adviser; this class supports your efforts and provides additional support in your writing. As a prerequisite, you have to identify a capstone adviser and research project in order to get an add code.

Specific goals are:

- To develop a clear understanding of research processes and issues in experimental design
- To learn to clearly articulate your research context, aims and objectives, both orally and in writing
- To write in a clear and concise manner a research proposal that articulates the context of your research, the aims and objectives of your proposed research, and the experimental design or research approach

The product of this class, a graded proposal, is required for registration in Fish 494, Capstone Research.

Instructor:

Dr. Gregory Jensen, School of Aquatic and Fishery Sciences,

Office: FSH Room 324B email: gjensen@uw.edu

Meeting times:

Every other Wednesday, 4:30-5:20 pm PDT; FSH 109

Course website:

Materials will be disseminated through the course Canvas website. The website includes documentation outlining the capstone process, guidance on writing a proposal, and links to relevant supporting material.

Method of instruction:
The class will be used to guide the development of your proposal in conjunction with your capstone adviser. Meeting times will be used to share your ideas with your colleagues and to develop your proposal. The first four meetings will be primarily lecture-based, and will introduce you to some background necessary for proposal development. You will formally present your research ideas in a short (~5 minute) Powerpoint presentation in the last class meeting.

Grading:

Project summary: 5%
Annotated bibliography: 15%
Draft proposal: 15%
Oral presentation/Powerpoint slides: 15%
Peer review: 15%
Class participation: 10%
Proposal: 25%.

Syllabus:

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<tr>
<th>Session topic</th>
<th>Objectives and Activities</th>
<th>Deadlines</th>
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<tr>
<td>Introduction</td>
<td>Learn about the capstone process and available facilities and equipment.</td>
<td>Submit a <strong>research topic title and brief summary</strong> of your proposed project to Canvas.</td>
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<tr>
<td>Experimental and sampling design</td>
<td>Learn some of the basics of experimental and sampling design.</td>
<td>Post an <strong>annotated bibliography</strong> with at least 10 references that support your proposal development.</td>
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<tr>
<td>Proposals and Powerpoint presentations</td>
<td>What to do (and not do) when presenting and writing</td>
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Animal care, collection, and ethics. The clash of permitting, PETA, and reality. Draft proposal due as Word document in Canvas.

peer review of draft proposals due

Proposal presentations ~5 minute Powerpoint presentation of your research proposal. Get presentation to me by 2 pm

final proposal due (does NOT require your adviser’s signature at this point, but fine if you have it)

Late Assignments

If you anticipate having trouble meeting one of the deadlines set out in this syllabus, please discuss with the instructor beforehand.

Academic Integrity

Students at the University of Washington are expected to maintain the highest standards of academic conduct, professional honesty, and personal integrity. Plagiarism, cheating, and other misconduct are serious violations of the University of Washington Student Conduct Code (WAC 478-120). You are expected to know and follow the university's policies on cheating and plagiarism. Any suspected cases of academic misconduct will be handled according to University of Washington regulations. For more information, see the University of Washington Community Standards and Student Conduct website. I don’t expect anyone in this class to engage in academic misconduct, but university regulations require a policy for addressing academic misconduct be explicitly stated, so here it is: if you are caught cheating, falsifying data, plagiarizing, collaborating on assignments in a manner that is prohibited, or committing any other kind of academic misconduct as defined in the Student Conduct Code, you will receive an automatic zero on the assignment and the case will be referred to Community Standards and Student Conduct for a Student Conduct Process hearing. If you are caught twice, you will receive a zero in the course and the case will be referred for an additional hearing.
Incomplete (I)

From UW’s Faculty Resource on Grading: “An Incomplete is given only when the student has been in attendance and has done satisfactory work until within two weeks of the end of the quarter and has furnished proof satisfactory to the instructor that the work cannot be completed because of illness or other circumstances beyond the student's control... To obtain credit for the course, an undergraduate student must convert an Incomplete into a passing grade no later than the last day of the next quarter... An Incomplete grade not made up by the end of the next quarter is converted to the grade of 0.0 by the Office of the University Registrar... An Incomplete grade does not count for registered hours nor in computation of grade-point averages.”

Classroom Climate

You are expected to follow the UW Student Conduct Code in your interactions with your colleagues and instructors in this course by respecting the many social and cultural differences among us, which may include, but are not limited to: age, cultural background, disability, ethnicity, family status, gender identity and presentation, citizenship and immigration status, national origin, race, religious and political beliefs, sex, sexual orientation, socioeconomic status, and veteran status. Please talk with the instructor right away if you experience disrespect in this class, and it will be addressed. DCinfo@uw.edu is a resource for students with classroom climate concerns.

Access and Accommodations for Persons with Disabilities

Your experience in this class is important. If you have already established accommodations with Disability Resources for Students (DRS), please communicate your approved accommodations to the instructor at your earliest convenience so we can discuss your needs in this course.

If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but not limited to; mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS at 206-543-8924 or uwdrs@uw.edu or disability.uw.edu. DRS offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions. Reasonable accommodations are established through an interactive process between you, your instructor(s), and DRS. It is the policy and practice of the University of Washington to create inclusive and accessible learning environments consistent with federal and state law.

IF YOU NEED HELP dealing with life in these trying times, the UW has resources for you:

Crisis: http://www.crisisclinic.org/ (Links to an external site.); (206) 461-3222 or toll-free at 1-866-427-4747.

If you are experiencing a life-threatening emergency, please dial 911.
UW Counseling Center
401 Schmitz Hall (Links to an external site.)
Phone: 206-543-1240

Schedule Appointment: https://www.washington.edu/counseling/services/how-to-schedule-an-appointment/ (Links to an external site.)

Immediate/urgent assistance: https://www.washington.edu/counseling/services/crisis/ (Links to an external site.)

Let's Talk
https://wellbeing.uw.edu/virtual-lets-talk/ (Links to an external site.)
a drop-in, informal consultation with a counselor – services are provided by Zoom and/or phone and are confidential and secure

Hall Health Mental Health
https://wellbeing.uw.edu/unit/hall-health/ (Links to an external site.)

Accommodations for Religious Observances
Students who expect to miss class or assignments as a consequence of their religious observance will be provided with a reasonable alternative opportunity to fulfill their academic responsibilities. Absence from class for religious reasons does not relieve students from responsibility for the course work required during the period of absence. It is the responsibility of the student to provide the instructor with advance notice of the dates of religious holidays on which they will be absent. Students who are absent will be offered an opportunity to make up the work, without penalty, within a reasonable time, as long as the student made prior arrangements.