

GEOG 438 - BC Aquaculture

Instructor: Dr. Stephen Cross sfcross@uvic.ca

Turpin Building, Room B318

Student Hours: Monday - all day

Students will be introduced to the aquaculture industry of British Columbia, reviewing the history, culture species, production methods (hatchery through seafood processing), technological innovations, business/economics, marketing, environmental impacts/management, social (including First Nations) issues, and the regulatory framework for this agri-food industry. The lecture series will be structured to encourage discussion around critical siting (resource management) and operational issues of the various industry sectors, and to allow an objective evaluation of the risks of this approach to seafood production in light of declining fisheries worldwide.

Students will participate in a 2 day field excursion on Vancouver Island, visiting industry facilities representative of all components of cultured seafood production (fish and shellfish hatcheries, growout sites, harvesting vessels, processing plants, and R&D sites. Each student/student group will be required to prepare a term research paper (topics provided), and prepare a review/discussion paper for evaluation. Oral presentation of these papers will also be required, taking the format of a Technical Workshop.

Format: 2-3 hours lecture per week - Mondays

Field Excursion - 2 days (partial expense required of each student wishing to participate)

Two Incidental Assignments - 10%

Aqua-Quiz - 10%

Term Paper - 30%

Oral Presentation - 10%

Final Exam - 40%

A+	A	A-	B+	B	B-	C+	C	D	F
90-100%	85-89%	80-84%	77-79%	73-76%	70-72%	65-69%	60-64%	50-59%	0-49%

January 4, 2016

Course Intro. Aquaculture in Canada Assignment 1

January 11, 2016

Aquaculture in a Global Context. Assignment of Term Paper topics.

January 18, 2016

Aquaculture Production in BC - Finfish and Shellfish

January 25, 2016

Aquaculture and the Environment **Assignment 1 DUE**

February 01, 2016

Site Selection and the Licensing Process in BC; Aquaculture Regulations Aqua-Quiz and Assignment 2

February 8, 2016

Family Day & Reading Break - no lecture

February 15, 2016	4 Guest Speakers - Industry and Government Perspectives (to be confirmed) Finfish and Shellfish Industry, Province, DFO Management, DFO Science Assignment 2 DUE
February 22, 2016	First Nations and Coastal Aquaculture. Certification Programs
February 29, 2016	Product Marketing, R&D, Sustainability and the Future of BC Aquaculture.
March 7, 2016	Teams 1-7 Field Trip (7-8 March) - facility tours to central Vancouver Island Teams 8-13 collaborate on Term Papers and Presentations
March 14, 2016	Teams 8-13 Field Trip (14-15 March) - facility tours to central Vancouver Island Teams 1-7 collaborate on Term Papers and Presentations
March 21, 2016	All Term Papers submitted. Workshop Part I: Paper Presentations - first 7 Term Papers DUE
March 28, 2016	Easter Monday - no classes
April 4, 2016	Workshop Part II - Paper Presentations - remaining 6
April	Final Exam (date to be announced)

Course Experience Survey (CES)

I value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience (CES). The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. The survey is accessed via MyPage and can be done on your laptop, tablet, or mobile device. I will remind you and provide you with more detailed information nearer the time but please be thinking about this important activity during the course.

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the Resource Centre for Students with a Disability (RCSd) as soon as possible. The RCSd staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations <http://rcsd.uvic.ca/>. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

“The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environment for all its members.”