

# BIOL 346 Freshwater Ecosystems

## January-April 2020

Course Schedule: Mondays and Thursdays 9:30 AM to 9:50 AM; Rh5c0MT6tu>u21 312.53 706.3 Tm 0 g 0 G [

### Lectures and class material

\*There is no textbook for this class. Instead, I will provide reference reading material that you can use to prepare for or supplement the lectures. I have placed two books (Limnology by Jacob Kalff and Ecology of Freshwaters by Brian Moss) on reserve in the library for the course. They are good and detailed. Assessment will come from what is covered in lecture.

### Course Outline and Schedule:

Jan 6 2020	Describe course outline, marking scheme, introduction to the course, distribution of course materials, introductions
Jan 9 2020	Lecture 1: Freshwater as a unique and important substance and waters and their catchments
Jan 13, 2020	Lecture 2: Hydrology and Climate; Origin and Age of Lakes.
Jan 16, 2020	Lecture 3: Lakes and Catchment Morphometry; Rivers and Export of Materials from drainage basins and the atmosphere; Aquatic Systems and their catchments.
Jan 20, 2020	Lecture 4: Light in Freshwater Ecosystems; Part 11: Temperature Cycles, Lake

Feb 3 2020	Lecture8: Trace metals in freshwater ecosystems and their implications for ecosystem and human health; Sedimentations of materials in lake ecosystems.
Feb 6,2020	Midterm exam1
Feb 10 2020	Lecture9: Phytoplankton in lakeecosystems: their composition, size

## Other Information

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me know. For the materials provided in this course, the following is true to the best of my knowledge:

Diversity: The University of Victoria is committed to fostering inclusive practices in and out of the  
classroom. As your instructor, I am also highly committed to inclusionary principles that not only tolerate  
differences in race/ethnicity, age, gender, sexuality, ]}r }v}u] •š šμ•U (]Œ•š o v P μ P  
ability, etc. but that welcome these differences as enriching to all members of this course and the wider  
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discussions.

Feedback The Course Experience Surveys is a useful mechanism to communicate to me. Please give me,  
and the Department, your feedback.

[www.uvic.ca/learningandteaching/faculty/resources/ces/](http://www.uvic.ca/learningandteaching/faculty/resources/ces/)