

**Advanced Limnology (BIOL 815.3, T2)  
Course Syllabus 2018**

**Instructor and Coordinator:** Jeff Hudson  
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**Time:** Friday 10:00 am to 1:00 pm  
**Location:** To be determined (TBD)

**Tentative Schedule**

<b>Discussion Leader</b>	<b>Date (week of)</b>	<b>Discussion Topic</b>
Jeff Hudson	Jan 12	Introduction
Jeff Hudson	Jan 19	Trophic Cascades
Student	Jan 26	To be chosen by student
Student	Feb 2	To be chosen by student
Student	Feb 9	To be chosen by student
Student	Feb 16	To be chosen by student
<b>No class</b>	<b>Winter Break</b>	<b>February 19-24</b>
Jeff Hudson	Mar 2	Advances in photo-biogeochemistry
John-Mark Davies	Mar 9	Water Quality Management Issues
Som Niyogi	Mar 16	Advances in Aquatic Ecological Toxicology
<b>Student Presentations</b>	April 6	45 minutes presentations with 5-10 minutes of questions. Discuss topic with Dr. Hudson in advance in January
<b>Student Essays Due</b>	April 13	5000 word essays. Discuss topic with Dr. Hudson in advance in January

## **Student Evaluation**

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<b>Activity</b>	<b>Grade %</b>
1. Participation	15
2. Oral Presentation (April 6)	30
4. Paper (Due April 13)	55

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## **Course Structure**

1. Discussions will revolve around classic or renowned papers relevant to the aquatic sciences. In consultation with Dr. Hudson, each student will choose a topic of interest and the relevant associated papers. The participation mark will be based on a variety of factors, for example, quality of discussion around such topics, willingness to ask meaningful questions on a topic, and preparedness (advanced reading). Each discussion may be delivered in one or more formats (seminar, workshop, tutorial or all of the above). Additional students interested in the topic of discussion, but not registered in the course are welcome to participate.

2. Each student is required to provide an oral presentation at the end of the course. These presentations should run for approximately 45 minutes in length not including questions (typical length for campus seminars). The seminars will be judged on content and delivery (e.g., organization of topics, ease of understanding, technical presentation). Topics must cover an aquatic subject. Presentation topics can be diverse and the subject may overlap with your essay topic. However, please choose a topic adjacent to, or different from your thesis research. The idea of a graduate course is to expand your understanding in related areas, not to repeat what you already know or will know for your thesis. Seminars will be evaluated by Dr. Hudson and possibly other faculty members (typically those who have contributed a seminar). Additional people are welcome to attend as part of the audience. Student presentations will be held at the end of the course. Please rehearse your presentation.

3. Although not mandatory, students often choose a topic for their paper that is related to the content of their oral presentation. Again, please choose a topic adjacent to, or different from your research thesis. The paper should review, synthesize, and **evaluate** the latest information in a scientific field (e.g., the effect of riparian vegetation on water quality). The format may be essay, report or scientific article (please consult with me in advance). You may want to consider a topic that may eventually result in a publication (e.g., a review article in a journal). I expect papers to be five thousand words in length and contain the most up to date literature. Late papers will be deducted 3% per day.

## **STUDENTS WITH A DISABILITY**

Access and Equitability Students (AES) provides accommodations and services to part-time and full-time students with temporary and permanent disabilities. Services include exam accommodations, note-taking services, referrals for assessments, counselling and other advocacy support.

Although services are free of charge, students are required to register with appropriate medical documentation. If you are a student with a disability or would like more information about the services, please contact AES at 966-7273 or visit their website at:

<https://students.usask.ca/health/centres/access-equity-services.php>

Students requiring an elevator for access to the second or third floors in the Biology Building (teaching labs and some faculty offices) may use the elevator at the north end of the research wing, opposite Room 130. The second floor may also be accessed using the elevator in the Natural Sciences Museum.

### **ACADEMIC HONESTY**

It is the responsibility of all students to uphold the highest standard of integrity and honesty with respect to all of their academic work. It is in the best interest of all students to make themselves aware of the implications and consequences of engaging in academically dishonest activities as described by the University of Saskatchewan Council. Therefore, it is a requirement of this course that the student must read the following webpage:

[http://www.usask.ca/university\\_secretary/pdf/dishonesty\\_info\\_sheet.pdf](http://www.usask.ca/university_secretary/pdf/dishonesty_info_sheet.pdf)

Penalties vary depending on the seriousness of the offence. A common punishment for a minor first-offence in the College of Arts and Sciences is a grade of 0 on the exam or assignment and an additional -10% on the final course grade.