

Class Information		Instructor Information		First day of classes:	
<b>Days</b>	M,T,W	<b>Instructor:</b>	Graeme Gissing, M.Sc.	<b>Last day to add/drop:</b>	End of the first day
<b>Time:</b>	10:00 - 4:00	<b>Email:</b>	ggissing@ambrose.edu	<b>Last day to request revised exam:</b>	N/A
<b>Room:</b>	A2210	<b>Phone:</b>	403-410-2000 x 5940	<b>Last day to withdraw from course:</b>	1 pm on the 4 <sup>th</sup> day of classes
<b>Final Exam day</b>		<b>Office:</b>	G2204	<b>Last day to apply for time extension for coursework:</b>	One month before final due date
There are no final exams for spring classes.		<b>Office Hrs:</b>	N/A	<b>Last day of classes:</b>	May 04 (classroom) and July 14 (field training)

**Textbook:** None (online content)

### Course Description:

An introduction to aquatic ecosystem ecology with practical, hands-on training in the techniques used for the biomonitoring of aquatic macroinvertebrates. Instruction will consist of in-class completion of Canadian Aquatic Biomonitoring Network (CABIN) training modules at the level of Field Technician. This course includes a field practicum (approximately 16 hours) in aquatic bio-monitoring techniques that culminates in the student becoming a Certified CABIN Field Technician.

### Expected Learning Outcomes:

- 1) Gain an introductory level of ecological theory relating to freshwater aquatic ecosystems.
- 2) Understand the current environmental challenges facing freshwater ecosystems in Alberta.
- 3) Connect theoretical concepts with practical field research methodologies and aquatic biomonitoring programs using aquatic macroinvertebrates as indicators of ecosystem health. For freshwater rivers and streams, benthic macroinvertebrates are the most commonly used indicators in biomonitoring programs.
- 4) Acquire the requisite skills associated with the CABIN training program culminating in CABIN certification at the level of Field Technician. The Canadian Aquatic Biomonitoring Network (CABIN) is the national biomonitoring program developed by Environment Canada that provides a standardized sampling protocol for assessing aquatic ecosystem health.
- 5) Participate in an applied field practicum using sampling techniques for aquatic macroinvertebrates.

**Course Schedule:**

May 02-04 (classroom), July 13-14 (field practicum)

**Requirements:**

Course evaluation is based on completion of training modules tests (section quizzes), one data entry assignment, and completion of field practicum. If students successfully achieve CABIN Field Technician Certification they will receive an "A" in the course. However, the performance on tests, assignments, and the practicum will affect their final percentage and letter grade.

**Attendance:**

Attendance at ALL components of the course are mandatory and cannot be made up if missed. Missing any part of the field practicum will result in an incomplete for the course.

**Grade Summary:**

The available letters for course grades are as follows:

**Grade Summary:**

A+	97-100%
A	93-96%
A-	89-93%
B+	83-89%
B	77-82%
B-	70-76%
C+	67-69%
C	63-66%
C-	60-62%
D+	54-59%
D	50-53%
F (Fail)	Below 50%

Because of the nature of the Alpha 4.00 system, there can be no uniform College-wide conversion scale. The relationship between raw scores (e.g. percentages) and the resultant letter grade will depend on the nature of the course and the instructor's assessment of the level of each class, compared to similar classes taught previously.

Please note that final grades will be available on student registration system. Printed grade sheets are not mailed out.

**Other**

## Policies:

### Communication

All students have received an Ambrose e-mail account upon registration. It is the student's responsibility to check this account regularly as the Ambrose email system will be the professor's instrument for notifying students of important matters (cancelled class sessions, extensions, requested appointments, etc.) between class sessions. If students do not wish to use their Ambrose accounts, they will need to forward all messages from the Ambrose account to another personal account.

### Registration

During the **Registration Revision Period** students may enter a course without permission, change the designation of any class from credit to audit and /or voluntary withdraw from a course without financial or academic penalty or record. Courses should be added or dropped on the student portal by the deadline date; please consult the List of Important Dates. After that date, the original status remains and the student is responsible for related fees.

Students intending to withdraw from a course after the Registration Revision Period must apply to the Office of the Registrar by submitting a "Request to Withdraw from a Course" form or by sending an email to the Registrar's Office by the **Withdrawal Deadline**; please consult the List of Important Dates on the my.ambrose.edu website. Students will not receive a tuition refund for courses from which they withdraw after the Registration Revision period. A grade of "W" will appear on their transcript.

### Exam Scheduling

Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

Students, who find a conflict in their exam schedule must submit a Revised Examination Request form to the Registrar's Office by the deadline date; please consult the List of Important Dates. Requests will be considered for the following reasons only: 1) the scheduled final examination slot conflicts with another exam; 2) the student has three final exams within three consecutive exam time blocks; 3) the scheduled final exam slot conflicts with an exam at another institution; 4) extenuating circumstances. Travel is not considered a valid excuse for re-scheduling or missing a final exam.

### Electronic Etiquette

Students are expected to treat their instructor, guest speakers, and fellow students with respect. It is disruptive to the learning goals of a course or seminar and disrespectful to fellow students and the instructor to use electronics for purposes unrelated to the course during a class session. Turn off all cell phones and other electronic devices during class. Laptops should be used for class-related purposes only. Do not use iPods, MP3 players, or headphones. Do not text, read, or send personal emails, go on Facebook or other social networks, search the internet, or play computer games during class. Some professors will not allow the use of any electronic devices in class. The professor has the right to disallow the student to use a laptop in future lectures and/or to ask a student to withdraw from the session if s/he does not comply with this policy. Repeat offenders will be directed to the Dean. If you are expecting communication due to an emergency, please speak with the professor before the class begins.

### Academic Policies

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Academic Calendar. Personal information (information about an individual that may be used to identify that individual) may be required as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at [privacy@ambrose.edu](mailto:privacy@ambrose.edu).

### Extensions

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a course Extension from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the deadline date; please consult the List of Important Dates. Course extensions are only granted for serious issues that arise "due to circumstances beyond the student's control."

### Appeal of Grade

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Registrar's Office

in writing and providing the basis for appeal within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal. If the appeal is sustained, the fee will be refunded.

### **Academic Integrity**

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Academic dishonesty is taken seriously at Ambrose University as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to acknowledge to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.

**Note:** Students are strongly advised to retain this syllabus for their records.