

INSTRUCTOR NOTES for SYL

How to Use SYL

****HIDE THIS CONTENT WHEN DONE** (click icon to the right of this content block)**

To begin "Editing" click **Edit Page** box to the left of this content block of instructions. Each section of content underneath a heading is known as a content block.

Editing Content Blocks: Click the icon with the pencil. Some content blocks are fully editable while others will allow information to be added at the end of the text already presented. Most titles of content blocks can be edited as well. Once edits are finished click "save" at the bottom of content block.

Visibility of EACH Content Block: Click the icon with the eye and a line through it. This will 'hide' the content block from everyone. A line through the title of the content block indicates it is not visible. You can make it visible again by selecting the eye.

Visit the SharePoint site for more SYL training resources (<https://uoguelphca.sharepoint.com/sites/Syllabi/SitePages/Training-Resources.aspx>).

There is no "save" button on the overall course outline. Each content block has a 'save' button when you open to edit.

To align with ADOA practices, when adding text to any text content blocks please ensure *headings* are set to Heading #3 and *text* is set to Normal.

If data has changed in other systems, for example classroom location data from Colleague or course learning outcomes in CIM, use the refresh button (two arrows in a circle) to refresh data that is being pulled into your outline.

Public Visibility: Use the **eye icon** next to refresh button (two arrows in a circle) to open table where you can identify specific content blocks that will be restricted to users who are not signed into the website (public) via single sign on.

Once ready to publish your course outline, click the **Publish Page** box to the left of these instructions. This will send your outline into workflow for review and approval. Once approved, the outline will be published and available to the community.

ENVS*1100 - Fundamentals of Environmental Sciences

Fall 2024 Course Outline

Section: 01

Credits: 0.50

Land Acknowledgement: Guelph

The University of Guelph resides on the ancestral lands of the Attawandaron people and the treaty lands and territory of the Mississaugas of the Credit. We recognize the significance of the Dish with One Spoon Covenant to this land and offer respect to our Anishinaabe, Haudenosaunee and Métis neighbours. Today, this gathering place is home to many First Nations, Inuit, and Métis peoples and acknowledging them reminds us of our important connection to this land where we work and learn.

Calendar Description

This course introduces students to what it means to think critically from an environmental sciences perspective. It covers an introduction to: philosophy of science, philosophy of the environment, the evaluation of scientific evidence, and scientific arguments. The course focuses on how we understand and recognize environmental problems, how we decide what to do about them, and what role science can and should play in these discussions.

Restriction(s): ENVS*1030. Not available to students registered in the B.Sc.(Env.), BIESP, and BBRM.EM programs.

Department(s): School of Environmental Sciences

Lecture Schedule

MonWedFri 10:30am-11:20am in THRN*1200 (9/5 to 12/13)

Instructor Information

Neil RooneyEmail: nrooney@uoguelph.ca

Office: Edmund C Bovey Building 2107

Teaching Assistant Information

Teaching Assistant (GTA):

Email: @uoguelph.ca

Teaching Assistant (GTA):

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Learning Resources

Required Resources

Textbook: Ruxton, G.D. & N. Colegrave. *Experimental Design for the Life Sciences*. Oxford University Press. 3rd or 4th Edition.

Campus Resources

If you are concerned about any aspect of your academic program: Make an appointment with a Program Counsellor (<https://www.uoguelph.ca/uaic/programcounsellors/>) in your degree program. If you are struggling to succeed academically: There are numerous academic resources offered by the Learning Commons (<https://www.lib.uoguelph.ca/using-library/spaces/learning-commons/>) including, Supported Learning Groups for a variety of courses, workshops related to time management, taking multiple choice exams, and general study skills.

Library Course Reserve (Ares)

For this course, you will be required to access course reserve materials through the University of Guelph McLaughlin Library. To access these items, select **Ares** on the navbar in CourseLink. Note that you will need your Central Login ID and password in order to access items on reserve.

For further instructions on accessing reserve resources, visit [How to Get Course Reserve Materials \(https://www.lib.uoguelph.ca/find/course-reserves-ares/\)](https://www.lib.uoguelph.ca/find/course-reserves-ares/).

If at any point during the course you have difficulty accessing reserve materials, please contact the e-Learning Operations and Reserve Services staff at:

Tel: 519-824-4120 ext. 53621 | Email: libres2@uoguelph.ca | Location: McLaughlin Library, First Floor, University of Guelph

Course Learning Outcomes

1. The ability to describe the essential elements of proper scientific study design through: The discussion of course content during lecture periods Course assignments and quizzes.
2. An understanding of the options for employment in the environmental sciences sector through: The discussion of course content during lecture periods. An assignment that plots a course from undergraduate course selection to employment opportunities in the environmental science sector.
3. The ability to describe the scientific process as it pertains to the environmental sciences through: The discussion of course content during lecture periods Course assignments and quizzes.
4. An understanding of how the philosophy of science can inform the environmental sciences through: Course assignments and quizzes
5. An appreciation for environmental ethics and the role that they play in the environmental sciences through: The discussion of course content during lecture periods Course assignments and quizzes.
6. The ability to determine the scientific evidence that underpins media portrayals of issues in the environmental sciences through: The discussion of course content during lecture periods. Research and writing exercises that explore media portrayals of environmental issues.

7. An appreciation of the broad nature of environmental science issues through: Attending online lectures that include guest scientists Course assignments and quizzes.

Final Exam

No Final Exam

Teaching and Learning Activities

Lecture

Fri, Sep 6 - Wed, Sep 18

Topics: Scientific study design

Fri, Sep 20 - Fri, Oct 4

Topics: How environmental science is done

Mon, Oct 7 - Fri, Oct 18

Topics: Philosophy of science

Mon, Oct 21 - Wed, Nov Oct 30

Topics: Environmental ethics

Month of November:

Topics: An overview of environmental science topics:
Aquatic, atmospheric, terrestrial,
physical, chemical, biological

Throughout the semester:

Topics: Case studies and guest scientists

Wed, Nov 27 - Fri, Nov 29

Topics: Course wrap-up

Marking Schemes and Distributions

Name	Weight (%)
Quiz 1	8
Quiz 2	8
The Job Search	15
Quiz 3	8
Quiz 4	8
Media Article Analysis	20
Quiz 5	8
Peer Review of ENVS 1030 Posters	10
Quiz 6	15
Total	100

Assessment Details

Quiz 1 (8%)

Date: Fri, Sep 20

Quiz 2 (8%)

Date: Mon, Sep 30

The job search (15%)

Date: Fri, Oct 4

Quiz 3 (8%)

Date: Wed, Oct 16

Quiz 4 (8%)

Date: Mon, Oct 28

Media article analysis (20%)

Date: Fri, Nov 8

Quiz 5 (8%)

Date: Mon, Nov 15

Peer Review of ENVS 1030 Posters (10%)

Date: Mon, Nov 18 - Fri, Nov 22

You will review the scientific posters presented by the ENVS 1030 students in lab sessions

Quiz 6 (15%)

Date: Fri, Nov 29

Last Day to Drop Course

The final day to drop Fall 2024 courses without academic penalty is the last day of classes: November 29

After this date, a mark will be recorded, whether course work is completed or not (a zero is assigned for missed tests/assignments). This mark will show on the student's transcript and will be calculated into their average.

Course Grading Policies

Grading Policies of Assignments

Written assignments will be submitted via the dropbox on Courselink, before midnight on the due date. Oral presentations and poster assignments will be due during the appropriate lab period or otherwise as assigned. All late assignments will receive a 10% deduction for each day, or part thereof, that they are late. Contact Dr. Rooney if you wish to request an extension.

Standard Statements for Undergraduate Courses

Academic Integrity

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

The Academic Misconduct Policy (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-misconduct/>) is outlined in the Undergraduate Calendar.

Accessibility

The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required; however, interim accommodations may be possible while that process is underway.

Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability. Use of the SAS Exam Centre requires students to make a booking at least 10 days in advance, and no later than the first business day in November, March or July as appropriate for the semester. Similarly, new or changed accommodations for online quizzes, tests and exams must be approved at least a week ahead of time. For students at the Guelph campus, information can be found on the SAS website. (<https://www.uoguelph.ca/sas/>)

Accommodation of Religious Obligations

If you are unable to meet an in-course requirement due to religious obligations, please email the course instructor within two weeks of the start of the semester to make alternate arrangements.

See the Academic calendar for information on regulations and procedures for Academic Accommodations of Religious Obligations (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-accommodation-religious-obligations/>).

Copies of Out-of-class Assignments

Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

Drop Date

Students will have until the last day of classes to drop courses without academic penalty. The deadline to drop two-semester courses will be the last day of classes in the second semester. This applies to all undergraduate students except for Doctor of Veterinary Medicine and Associate Diploma in Veterinary Technology (conventional and alternative delivery) students. The regulations and procedures for course registration are available in the Undergraduate Calendar - Dropping Courses (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/dropping-courses/>).

Email Communication

As per university regulations, all students are required to check their <uoguelph.ca> e-mail account regularly. e-mail is the official route of communication between the University and its students.

Health and Wellbeing

The University of Guelph provides a wide range of health and wellbeing services at the Vaccarino Centre for Student Wellness (<https://wellness.uoguelph.ca/>). If you are concerned about your mental health and not sure where to start, connect with a Student Wellness Navigator (<https://wellness.uoguelph.ca/navigators/>) who can help develop a plan to manage and support your mental health or check out our mental wellbeing resources (<https://wellness.uoguelph.ca/shine-this-year/>). The Student Wellness team are here to help and welcome the opportunity to connect with you.

Illness

Medical notes will not normally be required for singular instances of academic consideration, although students may be required to provide supporting documentation for multiple missed assessments or when involving a large part of a course (e.g., final exam or major assignment).

Recording of Materials

Presentations that are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, a student, or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

Resources

The Academic Calendars (<http://www.uoguelph.ca/registrar/calendars/?index>) are the source of information about the University of Guelph's procedures, policies and regulations which apply to undergraduate, graduate and diploma programs.

When You Cannot Meet a Course Requirement

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. See the Undergraduate Calendar for information

on regulations and procedures for Academic Consideration. (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-consideration-appeals-petitions/>)