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*4100 - Integrated Management of Invasive Insect Pests

Winter 2026 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 explores the concept of integrated pest management as it applies to the mitigation of invasive insect pests associated with agricultural and forest ecosystems.
Prerequisite(s): 1 of CROP*3300, CROP*3310, ENVB*2040, ENVB*3090, ENVS*2040, ENVS*3090, HORT*3280, HORT*3350, HORT*3510
Department(s): School of Environmental Sciences

Course Description

This course explores the concept of integrated pest management as it applies to the mitigation of insect pests associated with agricultural and forest ecosystems. During this course, students will develop a basic understanding of insect morphology, taxonomy, behaviour, life history, and ecology; insect pest traits; the concept and history of IPM; insect pest monitoring and detection methods; the IPM decision-making process; and management tactics. Throughout the course, examples and case studies of native and invasive insect pest species in different cropping systems in Canada will be used to illustrate the core concepts of IPM.

Course Fit Within Program/Curriculum

<Optional content block - title and content block fully editable>: Instructors may add additional content if necessary. This content block can be removed by clicking the 'eye' icon.

Lecture Schedule

MonWedFri 9:30am-10:20am in MCKN*115 (1/5 to 4/21)

Lab / Seminar Schedule

*<instructor can choose which table they'd like to use. **Title and Content within this block is fully editable & removeable**>*

NOTE: To add another ROW, go to the bottom right cell of table and press 'tab' button. To delete a ROW contact courseleaf@uoguelph.ca

Day	Time	Location
Thursday	8:30 - 11:20 AM	Graham Hall 3309

Day	Time	Location	Sections
Friday	2:30 - 5:20 PM	Graham Hall 3309	01

Instructor Information

Angela Gradish
Email: agradish@uoguelph.ca

Additional Support

Graduate Teaching Assistant: Natalie Savoia, nsavoia@uoguelph.ca

Learning Resources

Recommended texts:

Integrated Pest Management: Concepts, Tactics, Strategies and Case Studies. (2009). E.B. Radcliffe, W.D. Hutchison, and R.E. Cancelado. Cambridge University Press.

Insect Pest Management, 2nd ed. (2000) D.R. Dent. CAB International.

Occasionally, I will post supplementary readings on CourseLink. These readings are to aid in your understanding of topics I cover in lecture, and their content will not be included on quizzes.

Required Resources
Some instructors may want to notify students of what type of information (lectures, assignments, etc) is posted on the course website: Course link (Website) (https://courselink.uoguelph.ca/)

Course Resources
Additional resources can be added. Instructors can list software requirements and other material (lab equipment, scientific calculator, etc).

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.

Cost of Textbooks and Learning Resources

Textbook / Learning Resource	Required / Recommended	Cost
		0

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/).

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. Understand the concept of integrated pest management and the strategies/tactics used to ensure economical, effective, and environmentally sustainable insect pest mitigation.
2. Understand the importance of integrated pest management on a regional, national and international scale.
3. Become familiar with resources for insect pest identification.
4. Interpret insect pest monitoring data, and summarize and apply them in an IPM context.
5. Interpret signs and symptoms of crop injury to diagnose insect pest problems and make recommendations for their management.
6. Prepare case studies on individual insect pest species and pest complexes of specific cropping systems.
7. Develop literacy, written communication, and data interpretation skills through participation in written assignments.

Course Level Learning Outcomes

Faculty able to add a new set of Course Learning Outcomes if they don't want to use the prepopulated ones from the content block above (from Curriculum Inventory Management [CIM] system).

OR - fully editable content block - Instructors may add additional content if necessary. This content block can be removed by clicking the 'eye' icon.

Open Text Field

open text box for faculty to edit (can change title and content)

Schedule of Topics and Assignments

Day	Date:	Activities	Due
Mon	2/16	Winter Break	
Wed	2/18	Winter Break	
Fri	2/20	Winter Break	
Fri	4/3	Holiday	

Lab / Seminar Schedule

Teaching and Learning Activities

Weekly Activities

<Optional content block - title and content block fully editable>

Instructors may add additional content if necessary. This content block can be removed by clicking the 'eye' icon.

Assessment Breakdown

{NOTE: instructor can add another row by hitting "TAB" button when they are at the end of the row}

Description	Weighting (%)	Due Date
Pest Diagnostic Assignment	10	Jan 26
Quiz 1	15	Jan 29/30 (in lab)
Lab Assignment (Barcoding)	5	Feb 5/6 (in lab)
Quiz 2	15	Mar 5/6 (in lab)
Pest Monitoring Assignment	20	Mar 13
Quiz 3	15	Mar 26/27 (in lab)
Lab Report	20	Apr 6

Assessment Details

Grading Schemes

<Optional Instructor Input> Can use this content area to show different grading schemes OR change the title and content to build your own content block of information

There are two grading schemes in this course in order to minimize the effect of poor performance on Term Tests or Data Analysis Assignments. The scheme that will give you the highest grade will be selected automatically.

Scheme 1

`Term Tests Total: 30%`

- Term Test 1 (10%)
- Term Test 2 (10%)
- Term Test 3 (10%)

`Data Analysis Total: 25%`

- Data Analysis Assignment 1 (12.5%)
- Data Analysis Assignment 2 (12.5%)

`Online Final Exam (45%)`

Scheme 2

`Term Tests Total: 45%`

- Best 2 term tests weighted 40%
- Worst term test weighted 5%

`Data Analysis Assignments Total: 25%`

- Best assignment weighted at 15%
- Worst assignment weighted at 10%

Online Final Exam (45%)

Last Day to Drop Course

The final day to drop Winter 2026 courses without academic penalty is the last day of classes: April 06

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

Submission of Assignments

Assignments will be submitted to CourseLink by posted deadlines.

Late Assignment

Late assignments will be penalized 10% per day and will no longer be accepted a week after the due date. If you cannot meet a course requirement, let Dr. Gradish know as soon as possible, and preferably before the due date. Extensions will be granted at the discretion of the instructor.

Course Standard Statements

<Optional content block - title and content block fully editable>: Instructors may add additional content if necessary. This content block can be removed by clicking the 'eye' icon.

Course Policies

More course policies can be added (class attendance, extra credit (accepted or not), course offering information disclaimer, lab safety, computer lab policy)

Course Technology Requirements

Some courses have statements about specific technology needed in the course.

Open Text Field #2

<Optional Instructor Input>: If desired, instructors may add any additional content they so choose to. The title of this content block is editable.

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/)