Faculty of Science Course Syllabus (revised August 2017)

Department of Biology

Applied Entomology BIOL 3329

Fall 2017

Instructor(s): Tatiana Rossolimo e-mail trossoli@dal.ca Office location LSC 3123

Lectures: Wednesdays @5:30-8:30 LSC C-244

Laboratories: 1 lab a week, 3 hours

Tutorials: no

Course Description
Insects not only comprise more than half of the world’s biodiversity, but influence human health and economic well-being in many ways. In this course students are introduced to insect pest management, agricultural, forest and medical entomology, forensic entomology, and insects in food science, beneficial and harmful insects.

Course Prerequisites
A grade of C+ or higher in BIOL 1010 (or BIOL 1020.03 or BIOA 1002.03) and BIOL 1011.03 (or BIOL 1021.03 or BIOA 1003.03) or SCIE 1505.18

Course Objectives/Learning Outcomes
Knowledge of basic entomology
Knowledge of insect’s taxonomy, anatomy, life cycles, and physiology
Knowledge of applied entomology including pest, forest, medical, veterinary, and forensic entomology
Skills to collect, identify, and preserve insects
Experience in DNA testing

Course Materials
- lab manual and supplementary materials
- Course website www.tatiana.rossolimo.com

Course Assessment

Assistant Dean (scieasst@dal.ca)

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight (% of final grade)</th>
<th>Date</th>
</tr>
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<tbody>
<tr>
<td>Tests/quizzes</td>
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<tr>
<td>Quiz 1</td>
<td>20%</td>
<td>October 4, 2017</td>
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<tr>
<td>Quiz 2</td>
<td>20%</td>
<td>November 1, 2017</td>
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<tr>
<td>Final lab exam</td>
<td>30%</td>
<td>November 29, 2017</td>
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<tr>
<td>Assignments</td>
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<tr>
<td>Presentation</td>
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<td>September 28 – October 19</td>
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Conversion of numerical grades to Final Letter Grades follows the Dalhousie Common Grade Scale

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<th>Grade</th>
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<tr>
<td>A+</td>
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<td>A</td>
<td>(85-89)</td>
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<tr>
<td>A-</td>
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<tr>
<td>B+</td>
<td>(77-79)</td>
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<tr>
<td>C</td>
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<tr>
<td>F</td>
<td>(&lt;50)</td>
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Course Policies
Do not miss the exam. Any make-up exam (by prior arrangement or in dire emergency) will consist of a two hours oral examination covering the same general areas of the written exam.

Course Content

- Insect control
- Pests of small grains
- Insect pests of corn
- Insects of legumes and cotton
- Vegetable crop insects
- Insect pests of forests
- Stored grain insects
- Household insects
- Livestock insects and related pests
- Poultry insects and related pests
- Forensic entomology
- Medical Entomology Phthiraptera, Hemiptera, Siphonaptera, Coleoptera
- Medical Entomology Lepidoptera, Hymenoptera, Diptera, Arachnida, Acari

Faculty of Science Course Syllabus (Section B) (revised 29-August-2017)

Applied Entomology BIOL3329

Please ensure that the following information on University Policies and Student Resources is available to all students in your course. This document may be posted on your Brightspace course site, or elements may be copied into your Course Syllabus, Section A.

University Policies and Statements

This course is governed by the academic rules and regulations set forth in the University Calendar and by Senate

Academic Integrity

At Dalhousie University, we are guided in all of our work by the values of academic integrity: honesty, trust, fairness, responsibility and respect (The Center for Academic Integrity, Duke University, 1999). As a student, you are required to demonstrate these values in all of the work you do. The University provides policies and procedures that every member of the university community is required to follow to ensure academic integrity.
Accessibility
The Advising and Access Services Centre is Dalhousie’s centre of expertise for student accessibility and accommodation. The advising team works with students who request accommodation as a result of a disability, religious obligation, or any barrier related to any other characteristic protected under Human Rights legislation (Canada and Nova Scotia).

Information: https://www.dal.ca/campus_life/academic-support/accessibility.html

Student Code of Conduct
Everyone at Dalhousie is expected to treat others with dignity and respect. The Code of Student Conduct allows Dalhousie to take disciplinary action if students don’t follow this community expectation. When appropriate, violations of the code can be resolved in a reasonable and informal manner—perhaps through a restorative justice process. If an informal resolution can’t be reached, or would be inappropriate, procedures exist for formal dispute resolution.


Diversity and Inclusion – Culture of Respect
Every person at Dalhousie has a right to be respected and safe. We believe inclusiveness is fundamental to education. We stand for equality. Dalhousie is strengthened in our diversity. We are a respectful and inclusive community. We are committed to being a place where everyone feels welcome and supported, which is why our Strategic Direction prioritizes fostering a culture of diversity and inclusiveness.

Statement: http://www.dal.ca/cultureofrespect.html

Recognition of Mi’kmaq Territory
Dalhousie University would like to acknowledge that the University is on Traditional Mi’kmaq Territory. The Elders in Residence program provides students with access to First Nations elders for guidance, counsel and support. Visit or e-mail the Indigenous Student Centre (1321 Edward St) (elders@dal.ca).

Information: https://www.dal.ca/campus_life/communities/indigenous.html

Important Dates in the Academic Year (including add/drop dates)
https://www.dal.ca/academics/important_dates.html

University Grading Practices
https://www.dal.ca/dept/university_secretariat/policies/academic/grading-practices-policy.html
Student Resources and Support

Advising

General Advising: https://www.dal.ca/campus_life/academic-support/advising.html

Science Program Advisors: https://www.dal.ca/faculty/science/current-students/academic-advising.html

Indigenous Student Centre: https://www.dal.ca/campus_life/communities/indigenous.html

Black Advising Centre: https://www.dal.ca/campus_life/communities/black-student-advising.html

International Centre: https://www.dal.ca/campus_life/international-centre/current-students.html

Academic supports

Library: https://libraries.dal.ca/

Writing Centre: https://www.dal.ca/campus_life/academic-support/writing-and-study-skills.html

Studying for Success: https://www.dal.ca/campus_life/academic-support/study-skills-and-tutoring.html

Copyright Office: https://libraries.dal.ca/services/copyright-office.html

Fair Dealing Guidelines: https://libraries.dal.ca/services/copyright-office/fair-dealing.html

Other supports and services

Student Health & Wellness Centre: https://www.dal.ca/campus_life/health-and-wellness/services-support/student-health-and-wellness.html

Student Advocacy: https://dsu.ca/dsas


Safety


Biosafety: https://www.dal.ca/dept/safety/programs-services/biosafety.html

Chemical Safety: https://www.dal.ca/dept/safety/programs-services/chemical-safety.html

Radiation Safety: https://www.dal.ca/dept/safety/programs-services/radiation-safety.html

Scent-Free Program: https://www.dal.ca/dept/safety/programs-services/occupational-safety/scent-free.html