

**Entomology 837 (1 credit)**  
**IPM in Sensitive Environments**  
**Fall 2021**

**INSTRUCTOR:**

Erin Bauer, Entomology Graduate Lecturer

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**Office Hours:** The best way to reach me is by email. Expect a response within 24 hours on weekdays or 48 hours on weekends (but often much sooner). If you call, leave a message and I will get back with you as soon as possible.

**ABOUT THE COURSE**

This course will introduce students to the concept of Integrated Pest Management (IPM) and how it can be used to control a variety of urban and structural pests in sensitive environments such as schools, day cares, hospitals, nursing homes, zoos, and prisons.

**COURSE OBJECTIVES**

1. Identify and describe common pests found in sensitive environments.
2. Identify IPM concepts and components.
3. Apply IPM treatment strategies in pest management decision making.
4. Develop IPM plans for sensitive environments.

**INSTRUCTIONAL METHOD**

Canvas will be used for delivery of all materials pertinent to this course (lectures, asynchronous discussions, videos, readings, and assignments). Power Point presentations will be used to deliver lectures, which will include text and images and will be strengthened by narration to emphasize key points. In addition, readings and videos will be assigned. Each student is expected to complete all reading assignments and view all supplementary videos for each module.

Because this is an asynchronous class, my role as instructor will be to answer any questions you have about the course or the assignments and begin discussions. Within the discussion board, I may add comments, but primarily would like you and your classmates to guide the discussion with your own thoughts and ideas. I check email frequently and usually get back to students within 24 hours on weekdays or 48 hours if over a weekend.

**TEXTBOOK**

The textbook for this course is the manual *IPM easy as ABC: Integrated Pest Management in Sensitive Environments A How-To-Guide*, which is available online for free as an interactive Flipbook at <https://cloud.3dissue.com/40620/41175/179694/IPM/index.html>. You can get a print copy at

<https://marketplace.unl.edu/pested/commercial-noncommercial-study-materials/ipm-easy-as-abc.html>  
(free, but will need to pay a small shipping fee for the UNL warehouse to send)

It is also available as a free PDF on Canvas if you prefer. Other readings or resources may also be assigned.

## STUDENT ASSIGNMENTS

**Choose Your Own IPM Adventure reports:** Students will choose a sensitive environment and discuss how to set up an IPM program for that location.

**Pest Wanted Poster:** Students will create a “Wanted Poster” about a pest that is found in sensitive environments.

**Exams:** There will be two take home exams in this course, a midterm and a final. Both will be short answer/essay and open book. The midterm will cover the first half of the course, and the final will be comprehensive.

## POINT BREAKDOWN

Assessment	Quantity	Points Per	Total Points
IPM Adventure Report	1	100	100
Pest Wanted Poster	1	25	25
Midterm Exam	1	85	85
Final Exam	1	75	75
<b>Total</b>			<b>285 points</b>

Letter grades will be assigned based on straight percentages of 100 - 90% A range, 89 - 80% B ranges, etc. The department of entomology and the Office of Graduate Studies requires that graduate students receive a **B or better grade** in order for the class to count towards graduation.

## SCALE

100 – 98 A+	89 - 87 B+	79 - 77 C+	69 – 67 D+	59 – 0 F
97 – 94 A	86 - 83 B	76 – 73 C	66 – 63 D	
93 – 90 A-	82 - 80 B-	72 – 70 C-	62 – 60 D-	

## CLASS SCHEDULE

Week	Topic	Assignments
1 (Aug 23-27)	Introduction to IPM	Reading: Chapter 1
2 (Aug 30-Sept 3)	IPM Assessment	Reading: Chapter 2 & 3
3 (Sept 6-10)	IPM Treatment Options	Reading: Chapter 4 & 5
4 (Sept 13-17)	Ants	Reading: Chapter 6
5 (Sept 20-24)	Bedbugs	Reading: Chapter 8
6 (Sept 27-Oct 1)	Cockroaches <b>Midterm exam (opens Sept 27)</b>	Reading: Chapter 7
7 (Oct 4-8)	Fabric and Pantry Pests Fleas	Reading: Chapter 9 & 10

	<b>Midterm exam (closes Oct 4)</b>	
8 (Oct 11-15)	Flies	Reading: Chapter 11
9 (Oct 18-22)	Head Lice	Reading: Chapter 12
10 (Oct 25-29)	Landscape and Turf Pests	Reading: Chapter 16 & 17 <b>Due Oct 25: Pest Wanted Poster</b>
11 (Nov 1-5)	Nuisance Pests Silverfish and Firebrats	Reading: Chapter 14
12 (Nov 8-12)	Spiders	Reading: Chapter 15
13 (Nov 15-19)	Stinging Insects	Reading: Chapter 19
14 (Nov 22-26)	<b>Thanksgiving, no lecture</b>	
15 (Nov 29-Dec 3)	Termites	Reading: Chapter 18 <b>Due Nov 29: IPM Report</b>
16 (Dec 6-10)	<b>Final exam (opens Dec 6)</b>	
17 (Dec 13-17)	<b>Final exam (closes Dec 13)</b>	

### **Academic Dishonesty:**

The University of Nebraska-Lincoln has a clear, succinct, and reasonable policy about academic dishonesty, as indicated in the student code of conduct (<https://studentconduct.unl.edu/student-code-conduct>). As a student at UNL, you enjoy rights and protections under the code and are obligated to conduct yourself in compliance with the code. One area where students occasionally have some confusion regards plagiarism (which is especially important in this course, as most assignments and exams involve writing). The key concept here (and in other misconduct) is misrepresenting the work of another as one's own. The University has a good web site that reviews UNL's policy on academic integrity and academic dishonesty, which you should review (<https://studentconduct.unl.edu/academic-integrity>).

As the Student Code of Conduct indicates, academic sanctions for misconduct (subject to appeal) are at the discretion of the instructor and may include giving the student a failing grade for the course. In this course, the least penalty we will impose for misconduct is a one letter grade reduction in the course grade, however, in most instances (particularly for graduate students) the penalty for cheating in this class will be a failing grade in the course.

If a student wishes to appeal a claim of academic dishonesty, the following process must be followed. First, the student must submit a written appeal to the instructor of the course and state their reason(s) for appealing. If this student appeal cannot be resolved with the course instructor, then the student must immediately submit their appeal statement within seven days to the Department's Curriculum Committee for their recommendation. If a satisfactory solution to this appeal is still not reached with the Department Curriculum Committee, the student's written appeal will then be forwarded to the Department Head. If a satisfactory solution is still not achieved at the Department Head level, the student may then submit their written appeal statement to the College of Agricultural Sciences and Natural Resources (CASNR) Dean's Office. The appeal process for the College of Agricultural Sciences and Natural Resources will then be followed as outlined by the College.

### **Additional Information:**

#### **PLEDGE OF INSTRUCTIONAL STANDARDS**

*Entomology instructors will provide our students a complete syllabus meeting all UNL standards, our classes will be based on current science and will follow published schedules and descriptions, and our instructors will be timely in returning grades and in responding to our students.*

**ADA STATEMENT**

*The University strives to make all learning experiences as accessible as possible. If you anticipate or experience barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can discuss options privately. To establish reasonable accommodations, I may request that you register with Services for Students with Disabilities (SSD). If you are eligible for services and register with their office, make arrangements with me as soon as possible to discuss your accommodations so they can be implemented in a timely manner. SSD contact information: 117 Louise Pound Hall.; 402-472-3787*

**CHEATING**

*The University of Nebraska-Lincoln has a policy about academic dishonesty, as indicated in the Student Code of Conduct (see Undergraduate Bulletin). As a student at UNL, you enjoy rights and protections under the code and are obligated to conduct yourself in compliance with the code.*

*As the Student Code of Conduct indicates, academic sanctions for misconduct subject to appeal are at the discretion of the instructor and may include giving the student a failing grade for the course. In this course, the least penalty that will be imposed for misconduct is a one letter grade reduction in the course grade, but in most instances the penalty for cheating will be a failing grade in the course.*

*“Students are expected to adhere to guidelines concerning academic dishonesty as specified in Entomology policy (insert web link) in accordance with Section 4.2 of the University Student Code of Conduct (<http://stuafs.unl.edu/ja/code/>).”*

**MENTAL AND WELL-BEING RESOURCES**

*UNL offers a variety of options to students to aid them in dealing with stress and adversity. Counseling and Psychological & Services (CAPS) is a multidisciplinary team of psychologists and counselors that works collaboratively with Nebraska students to help them explore their feelings and thoughts and learn helpful ways to improve their mental, psychological and emotional well-being when issues arise. CAPS can be reached by calling 402-472-7450. Big Red Resilience & Well-Being provides one-on-one well-being coaching to any student who wants to enhance their well-being. Trained well-being coaches help students create and be grateful for positive experiences, practice resilience and self-compassion, and find support as they need it. BRRWB can be reached by calling 402-472-8770.*