Undergraduate Academic Assessment Plan

Entomology and Nematology

College of Agricultural and Life Science

Rebecca Baldwin
baldwinr@ufl.edu

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Mission Statement

As part of the University of Florida's proud tradition of excellence in teaching, research, scholarship and service, and as part of the College of Agricultural and Life Sciences dedication to fulfilling the Land Grant mission, the Entomology and Nematology department's mission is to be a world leader in entomology and nematology by conducting superior research, delivering quality teaching, and extending knowledge to improve agriculture, the environment, and human health and well-being.

Student Learning Outcomes (SLOs)

Content

Student identifies insects, and describes and explains insect morphology, physiology, and behavior.

Critical Thinking

Student acquires, analyzes, and synthesizes entomological information.

Communication

Student demonstrates oral and written proficiency in the sciences.

https://catalog.ufl.edu/ugrad/current/agriculture/alc/entomology-and-nematology.aspx

Curriculum Map

Curriculum Map for:

Entomology and Nematology College of Agricultural and Life Sciences

Key: **I**ntroduced **R**einforced **A**ssessed

Courses SLOs	Introductory Entomology ENY 3005	Introductory Entomology Lab ENY 3005L	Insect Classification ENY 4161	Oral Communication AEC 3030C	Written and Research Communication AEC 3033C	Additional Assessments
Content Knowledge						
1. **Student identifies insects, and describes and explains insect morphology, physiology, and behavior.**	I, A = comprehensive final exam	A = collection required week 14	R A = collection required week 14; comprehen-sive final exam			
Critical Thinking						
1. **Student acquires, analyzes, and synthesizes entomological information.**	I, A = written assignment week 10	A = written assignments weeks 6 & 11				Academic Learning Compact Written Assignment at Program Completion
Communication						
1. **Student demonstrates oral and written proficiency in the sciences.**	I		R, A = written assignment	A = grade of C of better	A = grade of C or better	Academic Learning Compact Written Assignment at Program Completion

Assessment Cycle

All SLOs will be assessed annually.

Assessment Cycle Chart

Assessment Cycle for:

Entomology and Nematology	College of Agricultural and Life Sciences
Analysis and Interpretation:	January-February each year
Improvement Actions:	Completed by July 15 each year
Dissemination:	Completed by August 15 each year

Year / SLOs	10-11	11-12	12-13	13-14	14-15	15-16
Content Knowledge						
1. **Student identifies insects, and describes and explains insect morphology, physiology, and behavior.**	X	X	X	X	X	X
Critical Thinking						
1. **Student acquires, analyzes, and synthesizes entomological information.**	X	X	X	X	X	X
Communication						
1. **Student demonstrates oral and written proficiency in the sciences.**	X	X	X	X	X	X

Methods and Procedures

AEC 3033C and AEC 3030C – Course grades will be collected each year from the college report. These courses are graded using rubrics developed by a faculty committee.

ENY 3005 and 3005L – Instructor will report assignment (written assignment, lab reports, and collection grade) and final exam grade of majors to undergraduate coordinator at the completion of each term.

ENY 4161 - Instructor will report assignment (written assignment and collection grade) and final exam grade of majors to undergraduate coordinator at the completion of each term.

Academic Learning Compact Written Assessment – this is completed in the penultimate semester of the B.S. program. The assessment will be tailored to individual degree tracks. Each student must select a refereed journal article and receive approval from the undergraduate coordinator to use that article. One approved, the student must provide a written analysis of the article. This analysis will be graded by the undergraduate coordinator and one other faculty from the undergraduate committee based on grammar, syntax, flow and readability; analysis of assumptions; hypotheses and principal aims; analysis of research results; analysis of strengths and weaknesses of experimental design; analysis of possible alternative hypotheses. The scoring rubric was developed by the undergraduate committee.

Example rubric for ALC:

Area	Exemplary (17-20 pts)	Proficient (12-17 pts)	Limited Proficiency (0-12 points)
Grammar, Syntax, Flow and Readability	Writing is in the appropriate style and follows proper grammar and punctuation rules.	A few grammatical, spelling or punctuation errors.	Multiple spelling, punctuation, and grammatical errors.
Analysis of Assumptions, Hypotheses and Principal Aims	Clearly identifies the assumptions, hypotheses and principal aims of the research and successfully communicates the significance.	Identifies the main issues, but does not explain them clearly.	Does not clearly identify the assumptions, hypothesis or principal aims of the research or does not accurately represent them.
Analysis of Research Results	Details are placed in the proper order and results are efficiently summarized.	Details are explained, but some details or not in a logical order.	The writing is not organized. The results are not efficiently summarized.
Analysis of Strengths and Weaknesses of Experimental Design	Strengths and weaknesses of the research are detailed and backed by data from the selected research article.	Strengths and weaknesses are listed, but are not detailed sufficiently.	Strengths and weaknesses of the research are not identified.
Analysis of Possible Alternative Hypotheses	Alternative hypotheses are formulated and communicated clearly.	Alternative hypotheses are identified, but details are omitted.	Alternative hypotheses are not identified.

Exit surveys will be given to graduating seniors to measure job/graduate/professional school placement data.

The undergraduate coordinator will maintain a spreadsheet of all assessment data.

Assessment Oversight

This Academic Assessment Plan for the Entomology and Nematology undergraduate program will be overseen by a committee of three people including the program coordinator and two faculty that teach in the program.

UF/IFAS Entomology and Nematology
970 Natural Area Dr. Box 110620
Gainesville, FL 32611-0620

Name	Department Affiliation	Email Address	Phone Number
Rebecca Baldwin	Undergraduate Coordinator UF/IFAS Entomology and Nematology Department	baldwinr@ufl.edu	352-273-3974
Phil Koehler	Advisor Urban Pest Management Track UF/IFAS Entomology and Nematology Department	pgk@ufl.edu	352-392-2484
Jaret Daniels	Advisor Ecotourism Track UF/IFAS Entomology and Nematology Department	jdaniels@flmnh.ufl.edu	352-273-2022