Entomology

Assessment Plan for the PhD Program

Program Learning Outcomes

The Ph.D. program in Entomology will produce graduates who:

1. Have comprehensive knowledge of the factual information, theoretical principles, and methodological approaches in the core areas of subcellular-cellular disciplines, suborganismal-organismal disciplines, and supraorganismal disciplines in the entomological sciences; are able to apply knowledge of these core areas to address complex problems in the entomological sciences.

   **Assessment Methods:** Assignments and examinations in the graduate core course sequence ENTM 201, ENTM 202, and ENTM 203; ENTM 250; written comprehensive examination that addresses the relationship of these core areas to the research prospectus.

2. Are able to (1) critically read, understand, and evaluate scholarly literature; (2) integrate and synthesize ideas; (3) identify and evaluate novel and relevant research questions; (4) develop appropriate and effective research strategies; (5) communicate clearly and effectively.

   **Assessment Methods:** Qualifying Examination with written and oral components; research prospectus defense; annual presentation at Student Seminar Day; annual 2-credit seminars (ENTM 250x-series 2-credit seminars. Requirement recently changed from annual requirement to a total of four taken during course of study for Ph.D. degree).

3. Are able to (1) apply appropriate, responsible, and ethical research methods; (2) evaluate, analyze, and interpret evidence; (3) develop and sustain evidence-based arguments; (4) convey findings clearly and effectively; (5) identify broader implications of findings; (6) produce publishable results.

   **Assessment Methods:** Annual progress reports; Student Seminar Day presentations; dissertation defense.

4. Are able to produce acceptable results within reasonable timeframes.

   **Assessment Methods:** Advancement to candidacy within 1 year of normative time of six quarters (2 years); degree conferral within 1 year of normative time of five years.

5. Are effective teachers.

   **Assessment Methods:** Assignments and examinations in teaching practicum course; student teaching evaluations.

6. Are capable professionals.

   **Assessment Methods:** Conference presentations, fellowship and grant awards, publications, reviewer activities, job placement.
7. Are satisfied graduates.

**Assessment Method:** Exit interview
Assessment Plan for the MS Program

Program Learning Outcomes

The M.S. program in Entomology will produce graduates who:

1. Have comprehensive knowledge of the factual information, theoretical principles, and methodological approaches in the core areas of subcellular-cellular disciplines, suborganismal-organismal disciplines, and supraorganismal disciplines in the entomological sciences; are able to apply knowledge of these core areas to address complex problems in the entomological sciences.
   
   **Assessment Methods:** Assignments and examinations in the graduate core course sequence ENTM 201, ENTM 202, and ENTM 203; ENTM 250.

2. Are able to (1) critically read, understand, and evaluate scholarly literature; (2) integrate and synthesize ideas; (3) identify and evaluate novel and relevant research questions; (4) develop appropriate and effective research strategies; (5) communicate clearly and effectively.
   
   **Assessment Methods:** Research prospectus presentation to the Thesis Committee; annual presentation at Student Seminar Day; annual 2-credit seminars (ENTM 250-series 2-credit seminars).

3. Are able to (1) apply appropriate, responsible, and ethical research methods; (2) evaluate, analyze, and interpret evidence; (3) develop and sustain evidence-based arguments; (4) convey findings clearly and effectively; (5) identify broader implications of findings; (6) produce publishable results.
   
   **Assessment Methods:** Annual progress reports; Student Seminar Day presentations; thesis defense.

4. Are able to produce acceptable results within reasonable timeframes.
   
   **Assessment Methods:** Degree conferral within 1 year of normative time of two years.

5. Are capable professionals.
   
   **Assessment Methods:** Conference presentations, fellowship and grant awards, publications, reviewer activities, job placement

6. Are satisfied graduates.
   
   **Assessment Method:** Exit interview