Purpose: It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe within which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

Course Title – Plant Protection – Entomology

Course Prefix and Number – AGRI 2313

Department - Agriculture
Division – Math & Science

Course Type: (check one)

☐ Academic General Education Course (from ACGM – but not in WCJC Core)
☐ Academic WCJC Core Course
☐ WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

Semester Credit Hours #: Lecture hours #: Lab/other hours # 3:2:2

Equate Pay hours for course - 3

Course Catalog Description – The principal orders of insects, collection and identification, anatomy and physiology of insects related to control methods, and economic importance of common insect pests and control methods.

Prerequisites/Co requisites – THEA Reading and Writing requirements met

Prepared by Sean Amestoy

Reviewed by department head Gene Bahnsen

Accuracy verified by Division Chair Kevin Dees

Approved by Dean of Vocational Instruction or Vice President of Instruction Leigh Ann Collins

List Lab/Other Hours
Lab Hours 2
Clinical Hours
Practicum Hours
Other (list)
I. Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non-lecture instruction):

Any introductory entomology course should include at least the following topics/materials:

- Overview of insects and related animals
- Growth and metamorphosis of insects
- Subclass Apterygota
- Orders Orthoptera and Isoptera
- Orders Hemiptera
- Orders Coleoptera
- Orders Trichoptera and Lepidoptera
- Orders Hymenoptera
- Collecting, Mounting and Preserving insects
- Insect Control

II. Course Learning Outcomes

<table>
<thead>
<tr>
<th>Course Learning Outcome</th>
<th>Method of Assessment</th>
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<tbody>
<tr>
<td>1. Describe the economic importance of insect pests.</td>
<td>1. Lecture, exams, and assignments.</td>
</tr>
<tr>
<td>2. Have knowledge of the biology, ecology and morphology of selected insects.</td>
<td>2. Lecture, exams, and assignments.</td>
</tr>
<tr>
<td>3. Classify the more common insects to order and to common name.</td>
<td>3. Lecture, exams, and assignments.</td>
</tr>
<tr>
<td>4. Have collected, mounted, and identified at least 50 insect species.</td>
<td>4. Lecture, exams, and assignments.</td>
</tr>
<tr>
<td>5. Be able to recognize harmful and beneficial insect and will have knowledge of pest control programs.</td>
<td>5. Lecture, exams, and assignments.</td>
</tr>
</tbody>
</table>

III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.


IV. Suggested Course Maximum - 25
V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.

The lecture room should include sufficient dry erase (or chalk) board for notes and illustrations, a computer with internet access and overhead computer projector, and a traditional overhead projector.

Laboratory classroom required

Insect collecting equipment (nets, collection boxes, insect pins, killing jars, etc.)

VI. Course Requirements/Grading System – Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course

4 major exams and class attendance – 66%
Lab grades - 34%

The grade classifications as outlined in the College Catalog are employed:

A – 90 – 100% Excellent
B – 80 – 89% Good
C – 70 – 79% Average
D – 60 – 69% Poor
F – Below 60% Failure
W – Withdrawn

VII. Curriculum Checklist

☐ - Academic General Education Course (from ACGM – but not in WCJC Core)
   No additional documentation needed

☐ - Academic WCJC Core Course
   Attach the Core Curriculum Checklist, including the following:
   • Basic Intellectual Competencies
   • Perspectives
   • Exemplary Educational Objectives

☐ - WECM Courses
   If needed, revise the Program SCANS Matrix & Competencies Checklist.