Course Title – Plant Protection
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
Equated Pay hours for course - 3

Course Catalog Description - Principles and practices of controlling and preventing
economic loss caused by plant pests. Includes instruction in entomology, plant pathology,
weeds science, crop science, environmental toxicology, and related environmental protection
measures.

Prerequisites/Co-requisites – TSI Reading and Writing requirement met

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 by 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.

Prepared by       Sean Amestoy                      Date 12-10-13
Reviewed by Department Head       Sean Amestoy          Date 12-10-13
Accuracy Verified by Division Chair  Kevin Dees          Date 1/28/2014
Approved by Dean or Vice President of Instruction  gghunt    Date 1/29/14
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
Anatomy and physiology of insects
Classification of insects
Subclass Pterygota
Orders Demoptera, Thysanoptera, Mallophaga and Anaplura
Orders Homoptera
Orders Neuooptera and Mecoptera
Orders Diptera
Ecological aspects and insect behavior
Collecting, Mounting and Preserving insects
Insect Control

II. Course Learning Outcomes

Learning Outcomes
Upon successful completion of this course, students will:
1. Describe the economic importance of insect pests.
2. Have knowledge of the biology, ecology and morphology of selected insects.
3. Classify the more common insects to order and to common name.
4. Have collected, mounted, and identified at least 50 insect species.
5. Be able to recognize harmful and beneficial insect and will have knowledge of pest control programs.

Methods of Assessment
1. Lecture, exams, labs, and assignments.
2. Lecture, exams, labs, and assignments
3. Lecture, exams, labs, and assignments
4. Lecture, exams, labs, and assignments
5. Lecture, exams, labs, and assignments

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.