

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.

Course Title – Computers in Agriculture

Course Prefix and Number – AGRI 1309

Department - Agriculture

Division – Life Sciences

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 # 3:3:0

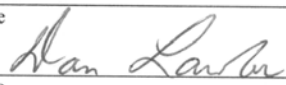

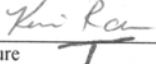
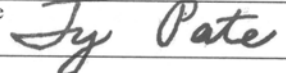
Equated Pay hours for course – 3 equated pay hours per course

List Lab/ Other Hours
Lab Hours
Clinical Hours
Practicum Hours
Other (list)

Course Catalog Description - Use of computers in agricultural applications. Introduction to programming languages, word processing, electronic spreadsheets and agricultural software.

Prerequisites/Corequisites - None

Approvals – the contents of this document have been reviewed and are found to be accurate.

Prepared by Dr. Dan Lawlor	Signature 	Date
Department Head Dr. Dan Lawlor	Signature 	Date
Division Chair Kim Raun	Signature 	Date 10-31-07
Vice President Dr. Ty Pate	Signature 	Date 11-1-07



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):

Lecture:

TOPICAL OUTLINE	DEDICATED INSTRUCTIONAL TIME
Computer operating system; use of windows	Two weeks
Working on the Web.	Three weeks
Disk and file management system.	One week
Word processing software.	Three weeks
Spreadsheet software.	Four weeks
Presentation software.	One week
Agricultural software.	Two weeks

II. Course Learning Outcomes

Course Learning Outcome	Method of Assessment
Students will :	
1. Demonstrate a basic understanding of the Windows operating system and its interface with Office 2003.	1. Lecture exams and assignments
2. Demonstrate the ability to use and navigate through the World Wide Web.	2. Lecture exams and assignments
3. Demonstrate the ability to create, rename, copy and move computer files and folders using disk and file management.	3. Lecture exams and assignments
4. Develop an understanding of word processing programs and utilize word processing programs in creating, formatting, and editing documents.	4. Lecture exams and assignments
5. Develop an understanding of spreadsheet programs, and create, modify and save worksheets with a spreadsheet program.	5. Lecture exams and assignments
6. Develop an understanding of presentation programs, and create, modify and save a presentation with a presentation graphics program.	6. Lecture exams and assignments
7. Utilize computers in agricultural applications, for example: farm budgets, crop budgets, herd management, financial record management, calculation of feed rations, farm records management, agricultural application of the global positioning system (GPS)/geographic information system (GIS) such as mapping, precision farming, etc.	7. Lecture exams and assignments

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

A Guide to Microsoft Office 2003 for Information and Communication Technologies. 2004. Brown, Malfas and Marrelli. Lawrenceville Press, Inc., Pennington, NJ 08534. ISBN 1-58003-077-7 (required)

IV. Suggested Course Maximum – 30*

V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.

*A computer classroom is required such that each student has a computer at which to work. The room also should include sufficient dry erase (or chalk) board for notes and illustrations, a computer with internet access and overhead computer projector (for instructor's use) and a traditional overhead projector.

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

Three major exams, quizzes, assignments, and attendance/participation.

Each exam counts 1/6 of the final grade along with attendance/participation counting 1/6 of the final grade, and the quizzes and assignments counting 2/6 of the final grade.

Total 100% --- 100-90=A
89-80=B
79-70=C
69-60=D
below 60=F

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**
Attach the following:

- Program SCANS Matrix
- Course SCANS Competencies Checklist