



## PRODUCTION OF ANNUAL CROPS

PSSC 361 – Fall 2010 Syllabus

<b>Professor:</b>	Dr. Betsy Boyd eaboyd@csuchico.edu	<b>Office:</b>	225 Plumas Hall (530) 898-6879
<b>Lecture:</b>	TTh 8:00 – 9:15 106 Plumas Hall	<b>Office Hours:</b>	MW 9:00 – 10:00 TTh 9:30 – 11:00
<b>Prerequisite:</b>	PSSC 101 Introduction to Plant Science, or equivalent		
<b>Final Exam:</b>	Tuesday, 14 December 2009, 10:00 – 11:50, PLMS 106		

### Course Content:

Students will gain an understanding of the general principles of annual crop production, from land preparation to harvest and processing.

### Required Texts:

Martin, J.H., W.H. Leonard, D.L. Stamp, and R. Waldren. 2006. Principles of Field Crop Production. 4<sup>th</sup> Ed. Upper Saddle River, New Jersey: Prentice Hall, 976 pp.

Vista handouts (including but not limited to: lab handouts, PPT slides, journal articles, other class assignments)

### Assignments and Point Values:

1. There will be three exams (two mid-term exams, one cumulative final exam). Each will be worth 100 points. Exams will include (but not be limited to) multiple choice, true-false, matching, and short-answer questions. Missed exams count as zero. Make-up exams are by arrangement and will be granted only for documented emergencies.
2. There will be 5 unannounced quizzes during the semester. These quizzes may be based on class lecture materials, assigned readings, etc. Not all quizzes will be traditional ‘pen and paper’ quizzes. Missed quizzes count as zero; no make-ups. The lowest quiz score will be dropped and the remaining four will be worth a maximum of 25 points each for a total of 100 points possible.
3. Each student will be required to complete a project worth a maximum of 100 points. The project may require that both an electronic (online to Turnitin) and print (in class) copy be submitted by the date & time due in order to be considered for grading. No late projects will be accepted, no exceptions. A guideline for the project is forthcoming.

*\*\*Students are required to keep all evaluated work until final grades have been submitted, or they will have no evidence in case there is a problem with their final grade (i.e. missing scores).*

**Tentative Lecture Schedule:** (Subject to change depending on class interest and mastery of principles.)

Week	Date	Lecture Topic	Readings
1	24 Aug.	Introduction, Course Outline & Requirements, Questionnaire	Chpt. 1
	26 Aug.	History, Art & Science of Crop Production	Chpt. 1
2	31 Aug.	Population and Food Supply	Chpt. 1
	2 Sept.	Origin, Variation, Spread & Classification of Cultivated Plants	Chpt. 1
3	7 Sept.	Climate, Air, & Soil as Factors in Crop Distribution	
	9 Sept.	Biological Factors in Crop Distribution	Chpt. 2
4	14 Sept.	Biological Factors in Crop Distribution	Chpt. 2
	16 Sept.	Economic Factors in Crop Choice	Chpt. 2
5	21 Sept.	Structure, Function, Reproductive, & Growth Processes	Chpt. 3
	23 Sept.	Structure, Function, Reproductive, & Growth Processes	Chpt. 3
6	28 Sept.	Crop Improvement, Review for Exam	Chpt. 4
	30 Sept.	EXAM #1	
7	5 Oct.	Tillage Practices (1)	Chpt. 5
	7 Oct.	Tillage Practices (2)	Chpt. 5
8	12 Oct.	Fertilizer, Green Manuring, and Rotation (1)	Chpt. 6
	14 Oct.	Fertilizer, Green Manuring, Rotation (2)	Chpt. 6
9	19 Oct.	Organic and Multiple Cropping Practices	Chpt. 6
	21 Oct.	Seeds and Seeding (1)	Chpt. 7
10	26 Oct.	Seeds and Seeding (2)	Chpt. 7
	28 Oct.	Insects, Diseases, and Weeds	Chpt. 11
11	2 Nov.	Integrated Management Practices	See Vista
	4 Nov.	Harvest of Field Crops (1), Review for Exam	Chpt. 8
12	9 Nov.	EXAM #2	
	11 Nov.	VETERAN'S DAY (no class)	Chpt. 8
13	16 Nov.	Harvest of Field Crops (2)	Chpt. 8
	18 Nov.	Handling and Marketing	Chpt. 9
	23 Nov.	THANKSGIVING BREAK	
	25 Nov.	THANKSGIVING BREAK	Chpt. 10
14	30 Nov.	Pastureland and Rangeland	Chpt. 10
	2 Dec.	Crops of the Grass Family	Ch. 12-21
15	7 Dec.	Crops of the Legume Family	Ch. 22-30
	9 Dec.	Crops of Other Plant Families	Ch. 31-40
16	14 Dec.	FINAL EXAM, Tuesday, 10:00 – 11:50 am	

**Course Grading:**

Due to privacy concerns, grades will only be discussed in person between the instructor and the student, (not through email or by phone). Grades are earned on accuracy and quality of the final product, not effort. Some students need to put more effort to learning the material, some less. Experience and previous knowledge all affect students' grades. *Trying hard is not equivalent to learning or mastering the material.*

3 Exams @ 100 points each = 300

5 Quizzes @ 25 points each (drop 1, no make-ups) = 100

1 Project @ 100 points = 100

Grand Total = 500 points possible

**Grading Scale:**

Grades will be calculated to tenths of a percent, not whole numbers. For example, 92.8% is an A- and 93.0% is an A.

**Attendance:**

Attendance in lectures, laboratories, and field trips is critical to your success in this course. Lack of attendance will affect your grade through missed quizzes, assignments, and/or laboratory/field trip activities, as well as failure to receive essential information provided during class hours.

**Academic Integrity:**

This course will abide by the university policy (EM 04-36) for academic honesty and integrity. Plagiarism and cheating are grave violations of the academic integrity policy of the California State University, Chico. If there is evidence that you have been involved in any form of academic dishonesty, you will receive an "F" grade for the course and a report will be provided to Student Judicial Affairs for further action.

This policy is posted at [http://www.csuchico.edu/prs/EMs/EM04/em04\\_36.htm](http://www.csuchico.edu/prs/EMs/EM04/em04_36.htm)

More resources: <http://www.csuchico.edu/sjd/integrity/cheating.pdf>

### **Expected Student Conduct and Classroom Disruption:**

If your behavior is distracting to the professor or students, you will be verbally asked to 1) cease that behavior, 2) adhere to class vote, and/or 3) leave the classroom. Any noises from electronic devices will be considered a distraction to the class. Students are expected to **turn off** all pagers, cell phones, and other electronic devices during class time. Students are expected to pay attention and participate in class meetings. Students may not read non-PSSC 361 materials (newspapers, magazines) during class. Students are to remain in class during the entire session with the exception of breaks. All class participants are expected to exhibit respectful behavior to other students and the professor. All students have the right and privilege to learn in the class, free from harassment and disruption. Inappropriate or disruptive behavior will not be tolerated. **\*\*Consequences for class disruptions will be decided by class vote at the time of the infraction.\*\*** Failure to adhere to class vote *or greater than two infractions* will result in dismissal from class, 0 points for that class session with no make-up, and the student must visit with the professor about correcting the behavior prior to entry into the next class session.

Examples of classroom disruption include, but are not limited to: 1) Repeatedly leaving and entering the classroom without authorization, 2) Making loud or distracting noises, 3) Persisting to speak without being recognized, 4) Repeated answering of cellular phone or allowing pagers to beep, 5) Repeated use of text messaging, 6) Resorting to physical threats or personal insults. The class follows the standards set in the Code of Students Rights and Responsibilities (EM 96-38) and students are subject to disciplinary action for violation of that code. For more info: [http://www.csuchico.edu/sjd/SJA\\_Forms/classroom\\_disruption.pdf](http://www.csuchico.edu/sjd/SJA_Forms/classroom_disruption.pdf)

### **Plagiarism:**

Using someone else's words or ideas without properly citing them is plagiarism. CSU Chico students are responsible for ethical scholarship and for knowing what plagiarism is and how to avoid it. Please review the following guidelines and tutorials for how to avoid plagiarism:

<http://www.csuchico.edu/sjd/integrity/Avoiding%20Plagiarism.pdf>

<http://www.csuchico.edu/sjd/integrity/Unauthorized%20Collaboration.pdf>

[http://www.csuchico.edu/rs/pdf/Plagiarism\\_Tutorial.pdf](http://www.csuchico.edu/rs/pdf/Plagiarism_Tutorial.pdf)

### **Disabilities:**

If you have a disability that requires special accommodations, you must contact a counselor at Disability Support Services (DSS), University Center, (530) 898-5959. In addition, please let me know as soon as possible and I will work with you to receive services. It is the student's responsibility to submit all DSS requests to the DSS office in a timely manner. No exceptions will be made for late submissions/requests. DSS: <http://www.csuchico.edu/dss/index.shtml>

### **Instruction Disclaimer:**

The professor(s) are in no way responsible for the application of use of the chemicals mentioned or described in this course. They make no warranties, expressed or implied, as to the accuracy or adequacy of any of the information presented in the course, nor do they guarantee the current status of registered uses of any of the chemicals. Mention of commercial products or brand names is for the convenience of the student only, and implies neither endorsement of the product or manufacturer nor criticism of products or manufacturers not mentioned by the professor(s).