

CROPS/HORT 102 CULTIVATED PLANTS

FALL 2008

Goals

The goal of the course is to introduce you to the importance of agronomic and horticultural plants in Washington by highlighting the production, innovative research practices, processing, and utilization of the state's major crops.

Instructors

Dr. Kathleen Williams, 103 Johnson Hall, 335-3613, kathleenwilliams@wsu.edu

Office hours: 8:30 – 10:30 a.m. MWF or by appointment

Dr. Teresa Cerny-Koenig, 155 Johnson Hall, 335-3462, tckoenig@wsu.edu

Office hours: – 9:30 am to 10:30 a.m. MWF or by appointment

Guest Lecturers

Information literacy – Mr. Steve Borelli

Genetics/Genomics/Biotech – Dr. Cameron Peace

Turfgrass – Mr. Matt Williams

Barley – Dr. Steve Ulrich

Legumes – Dr. Clarice Coyne

Potatoes – Dr. Mark Pavsek

Wheat – Mr. Steve Lyon

Sustainable and organic farming – Dr. Carol Miles

Class Time

Time: MWF 11:10 am to noon

Location: Johnson Hall Room C105

Text Book

None required.

Objectives and Outcomes

1. To increase awareness of the cultural and economic importance of plant production in Washington,
2. To develop an understanding of the agronomic and horticultural production, innovative research practices, processing, and utilization of the state's major crops,
3. To develop team skills for solving problems and completing group projects,
4. To build effective written and oral communication skills,
5. To evaluate and properly use quality information sources that are relevant, balanced and current.

Grades

- 1) Participation in group discussions, class attendance, and assignments (40 pts).
- 2) Weekly quizzes given on each of the 11 crops/topics covered during lecture. *These quizzes cannot be made up if missed. However, the lowest quiz grade will be dropped.* (10 weekly quizzes x 30 points each = 300 pts).
- 3) Modules to help you find and use information more efficiently for your crop presentation have been created by the Library Instruction Department. There are four information literacy modules to work through; each is comprised of Module Objectives, Tutorials, and Assignments. To access them, go to <http://www.wsulibs.wsu.edu/ile/> and choose the course HORT/CROPS 102. For each module, you will view a brief set of tutorials related to specific aspects of your crop presentation assignment. After completing the tutorials for each module, you will be given a short multiple choice quiz (10 points) and then asked to apply the information to elements in your crop presentation in the Assignment section (10 points). We will evaluate your responses and provide feedback before your presentation is due. (There are 4 modules x 20 points each = 80 points).
- 4) Grower interview Due: Oct. 15 (50 pts)
 - Interview a grower involved in any area of cultivated plant production (i.e. field crop producer, greenhouse producer, orchard owner, etc.) If you aren't sure if the person you are considering for the interview is appropriate, ask the instructor.
 - *The grower cannot be a relative.*
 - Present your interview in a 3 page, double-spaced, type written paper (not in a question and answer format).
 - The interview should include:
 - a) The name of the person you are interviewing
 - b) What they grow
 - c) Where they are located
 - d) How they got involved/interested in growing the crop
 - e) General production requirements/schedule for the crop
 - f) Some of their challenges in producing/selling the crop
 - g) Two (2) other original questions
 - h) What you learned from the interview
 - i) How you could apply this information
- 5) Crop presentation: Due: Dec, 1 (80 pts)
 - Choose a crop of interest to you (other than the crops listed on the lecture part of the syllabus).
 - Work with 1 of your classmates to create a 10 to 15-minute Power Point presentation on the crop of your choice. The presentation will be graded on completeness and accuracy of the crop information and effectiveness of the presentation. (See page 5 of the syllabus for specific details on what should be covered).
- 6) References: Due: Dec. 1 (20 points)
 - **Each group member** must create and turn in a 1-page type written paper discussing the different types of information found in each of the sources you used. Describe how each was useful in creating your paper. Include a separate page with your 4 references correctly cited.

A 10% grade penalty per day will be applied for each day a project or assignment is late.

- 1) Class participation, attendance, and class assignments = 40 pts
 - 2) 10 weekly quizzes x 30 points each = 300 pts
 - 3) Information literacy assignments and quizzes = 80 pts
 - 4) Grower interview = 50 pts
 - 5) Group crop presentation = 80 pts
 - 6) Discussion of references used in presentation – 20 points
- Total = 570 points

Grading scale

100-93% A	76-79% C+
90-92% A-	73-75% C
86-89% B+	70-72% C-
83-85% B	66-69% D+
80-82% B-	62-65% D
	<62 F

DATE	LECTURE OUTLINE
Aug. 25	Course introduction
27	Geography, geology, and cultivated plant production in WA
29	Geography, geology, and cultivated plant production in WA
Sept 1	CLASS HOLIDAY
3	Introduction to information literacy modules
5	Introduction to information literacy modules
8	Bedding plants
10	Bedding plants
12	<i>Quiz 1</i> and introduction of class assignments
15	Barley
17	Barley - Module 1 'Needed Information' due*
19	<i>Quiz 2</i> and scientific nomenclature
22	Tulips
24	Tulips
26	<i>Quiz 3</i> and Opportunities in organic production
29	Genetics/genomics/biotech
Oct. 1	Genetics/genomics/biotech - Module 2 'Assessing information due*
3	<i>Quiz 4</i>
6	Turfgrass
8	Turfgrass
10	<i>Quiz 5</i>
13	Legumes
15	Legumes- Grower interview due
17	<i>Quiz 6</i> and legume tasting
20	Wheat
22	Wheat
24	<i>Quiz 7</i> and Wheat Quality Lab tour
27	Sustainable and organic farming
29	Sustainable and organic farming - Module 3 'Evaluating information' due*
31	<i>Quiz 8</i> and Opportunities in undergraduate research
Nov. 3	Wine grapes
5	Wine grapes
7	<i>Quiz 9</i> and perspectives from a vineyard owner
10	Potatoes
12	Potatoes – Module 4 'Using information due*
14	<i>Quiz 10</i>
17	Apple
19	Apple
21	<i>Quiz 11</i> and apple and grape tasting
24-28	Thanksgiving Vacation
Dec. 1	Start class presentations – All presentations due!
3	Presentations for class
5	Presentations for class
8	Presentations for class
10	Presentations for class
12	Presentations for class

History, production strategies, processing, utilization, and innovative research practices of each of the crops will be discussed on Mondays and Wednesdays.

*Both the Quiz and the Assignment sections are due by midnight on the date indicated.

CROP PRESENTATIONS

To help you become more familiar with plant production throughout the state, you will complete a group project on an important Washington crop. Groups will have no more than 2 members. This project will be worth 80 points and will be graded on completeness and accuracy of the crop information, information delivery, and completion of all the required information. Please select a crop of importance to Washington that we will not be covering in class and get approval from the instructor before beginning work. See the USDA top Washington crops for ideas http://www.nass.usda.gov/Statistics_by_State/Washington/Publications/Annual_Statistical_Bulletin/2007/ab6.pdf

You will be asked to evaluate yourself and your group member at the end of the project to determine if everyone is contributing equally. *However, if your group is having problems anytime during the semester, please let one of the instructors know.*

You will begin your crop presentations to the class on December 1st. *Participation in the class presentations is mandatory!*

Presentations should include (80 points):

1. A title describing the focus of your presentation and names of group members
2. An introduction to your crop and its importance to Washington
 - a. Where it is grown in Washington (a map to illustrate this would be helpful!)
 - b. Why it is grown in that location
3. Information on crop
 - a. Production practices
 - b. Processing and use
4. Challenges involved in production or processing of the crop
5. New/innovative uses for the crop
6. An example of a current research project (published after 2000) involving the crop, preferably a WSU research project. *Take advantage of all the researchers in the building who would be knowledgeable in your crop area!*
7. Use at least 8 information sources – Each group member must use no more than one of each of the following: scholarly journals, newspapers, books, personal communication, trade journals, and websites.
8. Cite your references within the presentation in parenthesis as well as in the list of references at the end. See Module 4 'Citation Style' or http://www.wsulibs.wsu.edu/electric/quickguides/docs/sssa_prepare_list.html for the correct format.
9. **Make sure all charts, graphs, and pictures are cited on the slides as well as in the list of references at the end.**
 - **Each group member** must create and turn in a 1-page type written paper discussing the different types of information found in each of the sources you used. Describe how each was useful in creating your paper. Also include a separate page with your 4 references correctly cited. **(20 points)**

Please feel free to bring in additional materials (samples, handouts, etc) on the day of your presentation.

Grading criteria used for final presentation:

Accuracy of information and ability to answer questions correctly	40 points
Delivery of presentation (effectiveness of slides and speaking ability)	20 points
<u>Completeness of required information</u>	<u>20 points</u>
Total	80 points

Students with Disabilities

Reasonable accommodations are available for students with a documented disability. If you have a disability and may need accommodations to fully participate in this class, please visit the Disability Resource Center (DRC). All accommodations MUST be approved through the DRC (Admin Annex Bldg, Room 205). Please stop by or call 509-335-3417 to make an appointment with a disability specialist. If you have any questions, please contact Rosie Pavlov at pavlovr@wsu.edu or 332-3417.

Cheating (WAC 504-25-310)

Cheating is the intentional use of, or attempt to use, unauthorized material, information, or study aids in any academic activity to gain advantage. Cheating includes, but is not limited to, communicating improperly with others, especially other students, during tests or the preparation of assignments for classes; copying from books, notes, or other sources during a test when this is not permitted; copying from another student's work (reports, laboratory work, computer programs, files, etc.); making improper use of calculators or other devices during a test; illegitimately procuring or using copies of current examinations; allowing a substitute to take an examination or write a paper for oneself.

Plagiarism (WAC 504-25-310)

Plagiarism is knowingly representing the work of another as one's own, without proper acknowledgment of the source. The only exceptions to the requirement that sources be acknowledged occur when the information, ideas, etc., are common knowledge. Plagiarism includes, but is not limited to, submitting as one's own work the work of a "ghost writer" or work obtained from a commercial writing service; quoting directly or paraphrasing closely from a source without giving proper credit; using figures, graphs, charts, or other such material without identifying the sources.

Academic Integrity Processes (WAC 504-25-315)

Every act of academic dishonesty affects academic evaluation of the student and also is a violation of the University's standards of conduct. Responsible instructors retain the authority and responsibility to assign grades to students, considering from an academic standpoint the nature of the student's action. This is the case even when the case is referred to the University Academic Integrity Process. Students have recourse to appealing the responsible instructor's assignment of grades according to usual academic policy. See Academic Regulation 104.

All clear instances of academic dishonesty shall be reported to the Office of Student Conduct as outlined in 504-35-335(2). The first reported instance at WSU of academic dishonesty by a student will be treated as purely an academic matter unless, in the judgment of the responsible instructor, more serious action should be taken through the disciplinary process. Any allegation of subsequent academic dishonesty will be treated as a matter to be referred to the Office of Student Conduct

Reports of Academic Dishonesty (WAC 504-35-320)

Any member of the University community who witnesses an apparent act of academic dishonesty shall report the act either to the instructor responsible for the course or activity or to the Office of Student Conduct.