Course:
H 450 E, Viticulture-- Grape Production; 1 Semester Credit
Offered during the first half of the semester (8/20-10/14)
Shepardson, Rm. 102 from 2:00-2:50 MW

Instructor: Dr. Harrison Hughes, Professor        Office: 210 Shepardson
Dept. of Horticulture & L. A.        Office Hours: Monday
Work phone: (970) 491-7050        3:00-4:00 pm; Tuesday
                                10:00-noon; Friday 9-10
Fax: (970) 491-7745
Email: Harrison.Hughes@colostate.edu

Course Description:
Selection of grape varieties and their establishment, training, and general cultural characteristics for the Rocky Mountain region.

Objectives:
1. Students will understand the historical and species background of cultivated grapes.
2. The student will understand the basic morphology/anatomy and physiology of grapes.
3. The student will learn basic aspects of production of grapes focusing primarily on the biological issues involved in the establishment, growth and harvesting of grapes.
4. The student will become familiar with sources of current and reliable grape production information.

Grading system:
1. Participation in class discussions.
2. Quiz on biological issues (flowering, temperature requirements, biology of pruning/training, rootstocks, irrigation, grafting, and nutrition); as well as integrated pest management,
3. Final Exam.
Grading Points:

1. Quizzes (3)-----------------25 pts each  75  A = >270
2. Class participation                25  B = 240-269
3. Final exam                        100  C = 210-239
4. Report summary                   100  D = 180-209
    300  F = <180

References:


Selected Journal Articles, grower’s publications, and scientific societies will be posted at the Morgan Library through the E-Reserve system. World Wide Web links will be noted through WebCT.

Topic Outline

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<th>Topic</th>
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<td>1</td>
<td>08/20/12</td>
<td>Grape species cultivated and production areas of the world.</td>
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<td>08/22/12</td>
<td>Grape morphology and anatomy.</td>
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<td>3</td>
<td>08/27/12</td>
<td>Grape cultivars and climatic influences on cultivar selection.</td>
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<td>08/29/12</td>
<td>Site location and soil requirements of grapes.</td>
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<td>5</td>
<td>09/05/12</td>
<td>Establishment of the vineyard; cultivars &amp; rootstocks.</td>
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<td>6</td>
<td>09/10/12</td>
<td>Trellising.</td>
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<td>7</td>
<td>09/12/12</td>
<td>Training systems to maximize light interception &amp; minimize disease.</td>
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<td>8</td>
<td>09/17/12</td>
<td>Continued training systems &amp; pruning.</td>
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<td>9</td>
<td>09/19/12</td>
<td>Irrigation and nutrition analyses.</td>
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<td>Fertility applications and management for winter hardiness.</td>
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<td>09/26/12</td>
<td>Fruit maturity and harvesting.</td>
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<td>12</td>
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<td>Pest management of the vineyard with focus on problems of Colorado.</td>
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<td>10/03/12</td>
<td>Continued pest management.</td>
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<td>14</td>
<td>10/08/12</td>
<td>Marketing and processing of grapes.</td>
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<td>15</td>
<td>10/10/12</td>
<td>Final Exam.</td>
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Course Policies

Learning is a privilege that is facilitated by the instructor. The responsibility for learning lies with the student. Learning is better accomplished when students attend class regularly, are prepared to learn and become actively involved in discussions and learning activities.

All students’ rights are respected and all university policies are strictly enforced to ensure a healthy learning environment in the classroom. Students should adhere to all university policies on issues including but not limited to plagiarism, cheating, disruptive classroom behavior, drug-free workplace, and nondiscrimination.

It is our expectation that you will honor the following statement throughout this course: I pledge on my honor that I have not received or given any unauthorized assistance on this academic work.

Disruptive Classroom/Laboratory Behavior

“The classroom is a special environment in which students and faculty come together to promote learning and growth. It is essential to this learning environment that respect for the rights of others seeking to learn, respect for the professionalism of the instructor, and the general goals of academic freedom are maintained. Differences of viewpoint or concerns should be expressed in terms that are supportive of the learning process, creating an environment in which students and faculty may learn to reason with clarity and compassion, to share of themselves without losing their identities, and to develop an understanding of the community in which they live. Student conduct which disrupts the learning process shall not be tolerated and may lead to disciplinary action and/or removal from class.”

Cell phones should be turned off during class.

Talking, texting, reading newspapers in class, or otherwise distracting behavior is not acceptable.

Cheating and plagiarism

“Cheating is the actual or attempted practice of fraudulent or deceptive acts for the purpose of improving one’s grade or obtaining course credit; such acts also include assisting another student to do so. Typically, such acts occur in relation to examinations. However, it is the intent of this definition that the term ‘cheating’ not be limited to examination situations only, but that it is to include any and all actions by a student that are intended to gain an unearned academic advantage by fraudulent or deceptive means. Plagiarism is a specific form of cheating which consists of the misuse of the published and/or unpublished work of others by misrepresenting the material (i.e., their intellectual property) so used as one’s own work.” Penalties for cheating and plagiarism range from a 0 or F on a particular assignment, through an F for the course, to expulsion from the university. For more information on the University Policy on Cheating and Plagiarism refer to the University Catalog (Policies and Regulations).