Hort100 – Horticulture Science
Spring 2014 – 4 Credits
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Instructor

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Office hours
• Monday, Wednesday, and Friday
  - 10:30 to 11:45 (prior to class)
  - 12:00 to 12:30 (after class)
• By appointment (email)
• Feel free to drop in anytime my door is open

Lab Teaching Assistants

Mailboxes for TAs are found in the Dept. of Horticulture & LA Office, 111 Shepardson

Wednesdays at 8 a.m. – Lab Section 1
Jason Young
jyoung1492@gmail.com

Wednesdays at 10 a.m. – Lab Section 2
Tess Additon
tessadditon@yahoo.com

Wednesdays at 1 p.m. – Lab Section 3
Anne Kearney
aakearne@rams.colostate.edu

Wednesdays at 3 p.m. – Lab Section 4
Leila Graves
gravesleila35@gmail.com

Wednesdays at 5 p.m. – Lab Section 5
Arwen Milroy
arwen.milroy@rams.colostate.edu

Thursdays at 8 a.m. – Lab Section 6
Rob Hausmann
nnamsuah@gmail.com

Thursdays at 10 a.m. – Lab Section 7
Tess Additon
tessadditon@yahoo.com

Thursdays at 12 noon – Lab Section 8
Rob Hausmann
nnamsuah@gmail.com

Thursdays at 2 p.m. – Lab Section 9
Dan Long
dlong4484@gmail.com

Thursdays at 4 p.m. – Lab Section 10
Dan Long
dlong4484@gmail.com

General Description

This overview course on the science of horticulture focuses on the application of practical information by professional horticulturists and home gardeners.

Objectives include developing critical thinking skills related to applying horticultural science to real world situations. Topics of discussion include plant growth and development, soil management, diagnostics and pest management, tree planting and pruning, flowers, small fruits, vegetables, lawns, water wise landscape design, and irrigation management.

Lectures

Lecture PowerPoint presentations follow the textbook.

Location: Chemistry A103
Time: Monday, Wednesday and Friday afternoons, 12:00 noon to 12:50
Respecting the learning of others, the following activities are unacceptable during lecture and lab periods. Students disrupting the learning of others will be dismissed from lecture.

- Side conservations
- Cell phone use including text messaging and surfing the web
- Computer use including surfing the web
- Food and beverages
- Leaving during lecture periods (including untimely bathroom breaks)
- Reading newspapers, other books and doing other homework

Online lecture videos: Lecture segments are also available online; access is from RamCT. Students may use these for review, when they miss class, or as an alternative to attending classroom lectures.

Labs

Lab activities give students hands-on experience practicing concepts discussed in lecture. It is expected that each student will come to lab having reviewed the lecture content, being prepared to apply the knowledge in lab. If a student misses a lecture, he/she needs to invest extra time reviewing the missed lecture content prior to their lab period. Students who show up unprepared for lab activities will be asked to leave. Each lab is worth 10 points.

Students may attend only the lab section for which he/she is enrolled.

Location: University Greenhouses R113 (east of Animal Science Parking Lot)

Reading and Reference Materials


Additional reading and reference materials may be placed on the RamCT.

Participation Points

Student *Participation Points* may be earned in two ways; using iClickers in lectures and by taking the online Pre-Tests.

20 *Participation Points* are possible for the block of content around each class exam. (5 exams, 20 points each = 100 points possible)

iClickers

To enhance the learning environment by giving instant feedback to students and instructor, *iClicker* will be used each day in lecture.

Class participation dots are collected with the iClicker system. On each question, one dot is given for participation and one dot for the correct answer. Some questions are survey in nature and will not have correct/wrong answers. On these questions, students receive one dot for participation.

The percentage of dots earned will be calculated from the block of lectures associated with each class exam. The students will receive that percentage out of 20 points possible. For example, if the student earned 90% of the dots, he/she would receive 90% of the 20 participation points possible, or 18 points.

Registration of iClicker numbers – In order to receive credit for your iClicker entries, students need to register their iClicker remote online at [clicker.colostate.edu/registration.aspx](http://clicker.colostate.edu/registration.aspx). Login with the student’s eIdentity (eName and password). In the iClicker ID field, enter the remote ID number and select the "Register" button. The remote ID number is the number found on the back of the iClicker remote. If a student has problems registering his/her iClicker, or cannot read the iClicker number, please talk to David Whiting for assistance.

If a student changes his/her iClicker during the course, please talk to Professor Whiting.
so his/her iClicker registration can be updated. A student can NOT borrow a friend’s iClicker for a class as it will not be registered in their name.

**Bring the iClicker to lecture EACH day, ready to participate.** If a student forgets his/her iClicker or it fails to work (dead battery) in a class, credit for participation points may be turned in on paper. However, points will not be given for correct answers.

**Pre-Tests**

The Pre-Tests on RamCT gives students sample questions for the upcoming exams. This is designed as a self-assessment tool for students in preparation for the class exams.

The percentage for pre-test questions answered correctly will be calculated for the content block for each of class exams. The students will receive that percentage out of 20 points possible. For example, if the student earned 80% on the pre-tests, he/she would receive 80% out of the 20 participation points possible, or 16 points.

This option for participation points accommodates students who miss class due to University excused activities, illness, and other time conflicts. It also accommodates students who elect to view lecture segments online rather than participate in classroom lectures.

**Total Participation Points Earned**

For the content block with each class exam, the Participation Points earned from iClickers and from Pre-Tests will be added together, **up to 20 points maximum plus 10 points maximum extra credit (30 points maximum)**.

Participation points will be added to RamCT after each exam block is completed.

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**Grading**

Students earn grades by earning points. A student’s current point status can be found on RamCT.

**Letter Grade Based on TOTAL POINTS**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>750</td>
<td>97.0%</td>
</tr>
<tr>
<td>A</td>
<td>720</td>
<td>93.0%</td>
</tr>
<tr>
<td>A-</td>
<td>700</td>
<td>90.0%</td>
</tr>
<tr>
<td>B+</td>
<td>670</td>
<td>87.0%</td>
</tr>
<tr>
<td>B</td>
<td>640</td>
<td>83.0%</td>
</tr>
<tr>
<td>B-</td>
<td>620</td>
<td>80.0%</td>
</tr>
<tr>
<td>C+</td>
<td>600</td>
<td>77.0%</td>
</tr>
<tr>
<td>C</td>
<td>560</td>
<td>72.0%</td>
</tr>
<tr>
<td>D</td>
<td>500</td>
<td>65.0%</td>
</tr>
<tr>
<td>F</td>
<td>lower than 500</td>
<td></td>
</tr>
</tbody>
</table>

Note: Letter grades are assigned based on points, not percentages. Percentages are given only to help students evaluate their progress during the course.

**Points**

<table>
<thead>
<tr>
<th>Category</th>
<th>Point Possible</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Exams</strong></td>
<td>5 @ 100 = 500 points</td>
</tr>
<tr>
<td><strong>Class Participation Points</strong></td>
<td>5 blocks @ 20 points each = 100 points</td>
</tr>
<tr>
<td><strong>Lab activities</strong></td>
<td>13 @ 10 = 130 points</td>
</tr>
<tr>
<td><strong>Reports/Projects:</strong></td>
<td></td>
</tr>
<tr>
<td>o Write-up on houseplant</td>
<td>15 points</td>
</tr>
<tr>
<td>o Perennial Presentation</td>
<td>30 points</td>
</tr>
<tr>
<td><strong>TOTAL</strong>*</td>
<td>775 points</td>
</tr>
</tbody>
</table>

*Total Points subject to change without notice based the potential for snow days, additional work and/or class performance.
Extra Credit

• The two dropped labs will be added back to the total points as extra credit.

• Participation Points: Up to 10 points extra credit is possible per exam block, for a total of 50 extra credit points.

Missed Work

Exams – Exams should be taken as scheduled. Students away from class on exam days for official University related activities should arrange with Professor Whiting to take the exam early.

It is the student’s responsibility to make up any misses exam within 7 days. No make-up is offered after 7 days.

Lab activities – No make-up work on missed lab activities. The lowest two lab activity scores will be dropped.

Students who will miss more than two lab periods due to University excused absences should arrange with Professor Whiting for special make-up work. These arrangements must be made in advance of the missed labs and paperwork documenting the University activity is required.

iClicker Participation Points – No make-up work on iClicker participation points. When you miss lectures, make up the points by taking the Pre-Tests.

Reports/Projects – Any report/project turned in after the due date will be docked 5 points. No reports or projects will be accepted more than 7 days after the due date.

Exams

Exams are designed to measure a student’s understanding of concepts and critical thinking skills (sorting out appropriate management options for specific situations).

Exams use Scantron sheets with multiple choice and matching type questions. Exams cover materials presented in lecture, labs, and reading. Questions evaluate the students understanding to apply the concept, thus in-depth understanding is required.

Scantron sheets must be marked in pencil. Photo ID (CSU ID or driver license) is required to take exams. No hats, jackets, food item, drink items, cell phones, or music players of any type are allowed during exams.

Students should use study questions with each chapter to direct their preparation for exams. Exams questions are developed from these study questions.

When the student feels they are prepared for the exam, take the Pre-Tests on RamCT. This will help the student self-evaluate their knowledge level.

Suggested Study Approach

Learning occurs when the mind identified new concepts expanding the student’s current knowledge base and concepts updating the knowledge base. To maximize the learning potential, actively look for those concepts that expand and update your knowledge.

To enhance learning, the course is designed with multiple exposures to concepts and self-assessment tools. The following approach is suggested.

1. Complete the chapter reading. In reading, highlight concepts that expand and update your current level of understanding. It is suggested to highlight key word phrases as a place marker in the reading rather than large blocks of text.

2. Reinforce the learning: When you complete a chapter reading, reinforce your learning by quickly reviewing the concepts that you highlighted (concepts that expand and update your understanding).

3. Lectures – Attend the lectures (or view the lecture videos online), following along in the textbook. The lectures follow the
textbook paragraph by paragraph. For note taking, highlight in the textbook concepts that expand and update your current level of understanding (if these have not highlight in your reading).

4. **Reinforce the learning:** Within 24 hours, reinforce your learning by quickly reviewing the concepts that you have highlighted (concepts that expand and update your understanding).

5. Complete the **lab activity**, giving you hands-on experience applying the concepts.

6. **Self-Assessment: Chapter Review Questions** – Spend time reviewing the chapter review questions. They represent the learning objectives in the chapter and exams are written from this list of questions. Focus on those specific questions that expand and update your understanding.

7. **Self-Assessment: Pre-Test** – Complete the pre-test (online quiz found on RamCT). Review text and video on any questions that you missed.

8. **Exam**

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**Academic Integrity Policy**

This course will adhere to the **CSU Academic Integrity Policies and Guiding Principles** as found in the General Catalog and the **Student Conduct Code**. At a minimum, violations will result in a grading penalty in this course and a report to the Office of Conflict Resolution and Student Conduct Services.

Academic integrity is conceptualized as doing and taking credit for one’s own work. Violations of the university’s academic integrity standards include, but are not limited to:

- **Cheating**—includes using unauthorized sources of information and providing or receiving unauthorized assistance on any form of academic work or engaging in any behavior specifically prohibited by the faculty member. This includes:
  - Turing in work done by another student as their own work.
  - Copying work done by another students rather than doing the work themselves. (This includes lab worksheets).
  - Using crib notes or other sources of information during a test.
  - Changing answers after a test or assignment is graded.
  - Copying from another students work.

- **Plagiarism**—includes the copying of language, structure, ideas, or thoughts of another, and representing them as one’s own without proper acknowledgment.

- **Unauthorized Possession or Disposition of Academic Materials**—includes the unauthorized selling or purchasing of examinations or other academic work; stealing another student’s work; unauthorized entry to or use of material in a computer file; and using information from or possessing exams that an instructor did not authorize for release to students.

- **Falsification**—includes any untruth, either verbal or written, in one’s academic work.

- **Facilitation**—includes knowingly assisting another to commit an act of academic misconduct. This includes using an iClicker for a student not in attendance.

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**CSU Honor Pledge and Cheating**

In a large class, the CSU Honor Pledge is especially important to create a level playing field for grading. Grading is not on a curve, but rather based on the individual student’s performance.

Professor Whiting fully expects that each student will not give, receive, our use any unauthorized assistance on exams, lab worksheets, and written assignments.