OKLAHOMA STATE UNIVERSITY
HORT 3113: GREENHOUSE MANAGEMENT
FALL 2008

INSTRUCTOR: Tim R. Hooper
Teaching Greenhouse
744-6452 Work   612-0125 Cell
E-mail: tim.hooper@okstate.edu

OFFICE HOURS: An open door policy is maintained; however, appointments may be made if preferred.

TECHNICAL SUPPORT: IT Help Desk 405-744-4357
OSU’s Online Classroom (https://oc.okstate.edu/)

   (provided) The Ecke Poinsettia Manual.

   Gillette Communications Publications (http://www.gpnmag.com)
Horticulture Extension Fact Sheets and Current Reports, available on the WWW from the
HORT 3113 Online Classroom course website.

PREREQUISITES: BOT 1404 — Plant Biology, HORT 1013 — Principles of Horticultural Science, and
   MATH 1483 — Math Functions or higher.

OBJECTIVES: — to learn to formulate and knowledgably discuss one’s thoughts with respect to
   problem solving as a member of a team
   — to address crop production as a cooperative production-management team
   — to develop skills essential for management of controlled environments and the crops
     which they are used to produce

FORMAT: Discussion and problem solving units, will be inserted which will be discussed during the
“theory” portion of the course. See the HORT 3113 website for links to many on-line
resources. The OSU Edmon Low Library is an excellent location for printed resources.

PRODUCTION-MANAGEMENT TEAMS — The lab portions of the class will consist of project
education (PE) themes of practical experiences and horticultural crop production, designed to
reinforce the PBL thematic units and to prepare each student for working in a greenhouse as a
member of a production-management team. Labs will meet in the headhouse of the Teaching
Greenhouses on Farm Road (south side of the Colvin Center).

EXPECTATIONS: Participation in all scheduled class activities is expected. Absenteeism and/or non-
participation not only preclude a student’s learning the material in this course, but also will
adversely affect his/her grade. Each student is expected to take responsibility and initiative to
be an active, collaborative learner and a contributing member of his/her P-M Team.

A missed quiz or exam may be taken prior to the date scheduled; however, a 25% penalty will
apply, reducing the student’s score by 25%.

In the case of other required academic activity, a quiz or exam may be taken at full value prior
to the scheduled date as shown on the course schedule. Arrangements for taking a quiz or
exam in advance must be made in person with at least one week prior to the class’s scheduled
date as shown in the course schedule, and a letter from the advisor or professor of the
conflicting activity must be presented at that time. No quiz or exam may be taken after the
scheduled date. This situation will result in a score of zero.
GRADING:  **QUIZZES & EXAMS** — Quizzes and exams will primarily consist of problem solving, short answer essays, fill-in the blank, multiple choice, matching, true/false, etc. Quizzes will be taken in **Ag. Hall 306** during the first or last 15 minutes of the theory period and exams will be given during the theory period of the course, and each student will be expected to express his/her knowledge of the course’s content and his/her ability to solve greenhouse management problems. The Final Exam is **cumulative**, i.e. all course information will be covered.

**GREENHOUSE MANAGER’S LOG** — Depending on enrollment in the course, students will sign-up for seven days’ monitoring and recording of current and forecasted weather conditions, greenhouse environment, equipment status, etc. Data must be collected, presented to me at the Teaching Greenhouse, and recorded in the “Greenhouse Manager’s Log” database **each weekday before 10:00 AM**. Use your O-Key username and the password “cowboys” to access the database the first time. You will be prompted to change the password to your O-Key password at the first log-in. Failure to enter the data by the deadline will result in zero points for that day.

**FIELD TRIP TOUR OPTION** — DURING ONE LAB A SHORT FIELD TRIP MAYBE OFFERED.

**P-M TEAM’S ORAL PRODUCTION REPORTS** — Each P-M Team will select a member to serve as “head grower” each week. It will be that person’s responsibility to present an oral crop production report for his/her week, during which the FloraTrack data will be discussed along with the weekly pH and EC media testing, and management decisions defended. Reports will be made during labs as indicated on the “Course Schedule.”

**P-M TEAM’S PRODUCTION OF POINSETTIA CROP** — Students will be evaluated throughout the semester with respect to their attitude and care toward their crop’s production. All crops will be checked by Tim Hooper at **10 AM** and, again, at **3 PM daily**. If a crop is found to be water stressed (too wet or too dry), **10 points per occurrence will be deducted** from the responsible student’s final crop evaluation for the neglected crop. **If a student fails to check on watering status of his/hers team crops for their assigned day, 50 points will be taken off Production of Poinsettia Crop total points.**

Final evaluation of the crops will be by Tim on the market date specified for the crop. Evaluation will be based on symmetry, proportion, and abundance of flowers on each specimen, uniformity of the plants composing a specimen as well as uniformity among the specimens, and freedom from diseases, pests, and nutritional/environmental disorders. (See Poinsettia Crop Evaluation Rubric on the course’s Online Classroom site.) Crops missing the specified market date by maturing too early or too late will be discounted severely.

**ACADEMIC INTEGRITY:** Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration on homework or assignments, plagiarism, multiple submissions of the same assignment, cheating on examinations, fabricating information, helping another person cheat, having unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript, and being suspended from the University. You have the right to appeal the charge. Contact the Office of Academic Affairs, 101 Whitehurst, 405-744-5627, [http://academicintegrity.okstate.edu](http://academicintegrity.okstate.edu)
## ESTIMATED POINTS:

<table>
<thead>
<tr>
<th>PRODUCTION-MANAGEMENT TEAM:</th>
<th>points</th>
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<tbody>
<tr>
<td>Head Growers’ Oral Production Reports (5 pts./ea)</td>
<td>50</td>
</tr>
<tr>
<td>Production of Poinsettia Crop</td>
<td>100</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>INDIVIDUAL ACTIVITIES:</th>
<th></th>
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<tbody>
<tr>
<td>Greenhouse Manager’s Data Collection &amp; Entry (5 pts./day up to 35 pts.)</td>
<td>35</td>
</tr>
<tr>
<td>Poinsettia Sales (5 pts/hr up to 25 pts.)</td>
<td>25</td>
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<thead>
<tr>
<th>QUizzes &amp; Exams:</th>
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<tbody>
<tr>
<td>Quizzes (7 @ 15 pts. each)</td>
<td>105</td>
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<tr>
<td>OK Pesticide Applicator’s Certification Exams (Core + 3c)</td>
<td>100</td>
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<tr>
<td>Mid-Term Exam</td>
<td>100</td>
</tr>
<tr>
<td>Final Exam</td>
<td>200</td>
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### TOTAL POINTS

715

Total points may fluctuate based on unforeseen changes; however, your final grade will be based on your percent of total possible points.

### GRADING SCALE:

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

Grading scale is strictly observed; no curve will be made.

### SAFETY:

Throughout the semester each student may utilize chemicals for disinfection, propagation, production, post harvest handling, and/or marketing of horticultural commodities. It is each student’s responsibility to be aware of and practice appropriate safety procedures when contacting chemicals used in these instances or horticultural materials treated with such chemicals. Material Safety Data Sheets (MSDS) are publicly available at the OSU Teaching Greenhouses. Appropriate protective equipment is provided at this location for your use. MSDSs for all chemicals in the Department of Horticulture and Landscape Architecture are available in 360 AG Hall.

Students are advised to become familiar with this information by taking OSU’s Hazardous Communications Training Module at [http://www.pp.okstate.edu/ehs/training.htm](http://www.pp.okstate.edu/ehs/training.htm)

### ACCESSIBILITY:

According to the Americans with Disabilities Act, each student with a disability is responsible for notifying the University of his or her disability and to request accommodations. If any member of this class thinks that he/she has a qualified disability and needs special accommodations, he/she should notify the instructor and request verification of eligibility for accommodations from the Office of Student Disability Services, 315 Student Union. Please advise the instructor of such disability as soon as possible, and contact Student Disability Services, to ensure timely implementation of appropriate accommodations. Faculty have an obligation to respond when they receive official notice of a disability but are under no obligation to provide retroactive accommodations.

### COURSE SCHEDULE:

See HORT 3113 Course Schedule available on the WWW at [http://www.okstate.edu/ag/asnr/hortla/hooper/courses/3113/](http://www.okstate.edu/ag/asnr/hortla/hooper/courses/3113/)

or on the Online Classroom at: [https://oc.okstate.edu/](https://oc.okstate.edu/)

### OSU SYLLABUS ATTACHMENT:

[http://osu.okstate.edu/acadaffr/aa/syllabusattachment -Fall.htm](http://osu.okstate.edu/acadaffr/aa/syllabusattachment -Fall.htm)