Syllabus
PSS 127 Greenhouse Operations and Management
Spring 2003, 2 credit modular course.
Instructor: Buddy Tignor, Ph.D.
Mondays, 1:25 - 5:00 pm; 314 Dewey Hall

Course Concept
This course will introduce students to many of the basic principles utilized in greenhouse operations and management. Operating and managing a greenhouse requires a basic understanding of horticulture, plant physiology, and other applied plant sciences. Thus, completion of PSS 011 is a prerequisite for this course. Lecture material will be covered in class by a variety of means. Extensive reading outside of class will provide the necessary background for active student participation in classroom discussions. Further practice in the application of principles and concepts covered in class will be provided by weekly problem sets. This is an upper-division PSS course and a high level of student performance is expected.

Required Materials


Computer: You do not need your own computer for success in this course, but you will need to access the Internet regularly. Answer keys for problem sets, e-mail, and other information will be available at http://webct.uvm.edu You need to be prepared to check the course website several times a week. Computers are available for student use in several places on campus. For more information on locating a computer see http://www.uvm.edu/cit/computers/

Calculator: A calculator will facilitate the completion of many of the problem sets. At least some of the problems each week will require computation

Student Responsibilities
1. Be Professional
2. Seek Help From Instructor When Needed
3. Turn In All Work On Time (NO LATE WORK is ACCEPTED)
4. Follow All University Policies

Instructor Responsibilities
1. Be Professional
2. Be Fair
3. Provide Time for Student Help Outside of Class
4. Follow all University Policies

“Building a good functional understanding requires active intellectual engagement. Hands on activities are not enough. They have to be brains on as well” – Edward Redish (1999)
Lecture Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Assigned Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 13th</td>
<td>Introduction to the Greenhouse Industry</td>
<td>Nelson: 1,2,10,18 Reed: 10,11</td>
</tr>
<tr>
<td>January 20th</td>
<td>Martin Luther King Day – NO LECTURE</td>
<td></td>
</tr>
<tr>
<td>January 27th</td>
<td>Heating, Cooling, and Environmental Controls</td>
<td>Nelson: 3,4,5</td>
</tr>
<tr>
<td>February 3rd</td>
<td>Root Substrates, Irrigation, and Fertilization</td>
<td>Nelson: 6,7,8,9,11 Reed: 2,5,6,9,12</td>
</tr>
<tr>
<td>February 10th</td>
<td>Light, Temperature, G. Regulators, and Pest Control</td>
<td>Nelson: 12,13,14,15</td>
</tr>
<tr>
<td>February 17th</td>
<td>President’s Day – NO LECTURE</td>
<td></td>
</tr>
<tr>
<td>February 24th</td>
<td>Quality, Marketing, and Business Management</td>
<td>Nelson 16,17,18</td>
</tr>
<tr>
<td>March 3rd</td>
<td>FINAL EXAM</td>
<td></td>
</tr>
</tbody>
</table>

Problem Sets

There will be four problem sets assigned (one each on 1/13, 1/27, 2/3, and 2/10). The problem sets are due at the BEGINNING of the following class meetings. The problem sets will be based on material covered in lecture and the textbook readings. All work must be completed individually. If you need help don’t wait until the last minute see the instructor during office hours or make an appointment. You should plan on a minimum of 2-3 hours to complete each problem set.

Grading

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation in class discussions</td>
<td>50</td>
</tr>
<tr>
<td>Problem sets (150 pts X 4)</td>
<td>600</td>
</tr>
<tr>
<td>Final Exam</td>
<td>350</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>1000</td>
</tr>
</tbody>
</table>

Contacting the Instructor

Office Hours: Friday 8:00 am – noon; or by appointment; Hills Room 4**
Voice: (802) 656-0466
Home: (802) 899-1768 – use discretion
E-mail: Milton.Tignor@uvm.edu

**I expect that every student will either stop by during my office hours or make an appointment to meet with me during the course. This time can be used to discuss anything. However, it would probably be most advantageous to the student if the discussions are relative to the class, but other topics are welcomed. If you do not stop by it will be noticed.

One final note

The instructor reserves the right to adjust final grades based on factors related to course performance and participation. If an adjustment is made the student will be informed of the exact cause and nature of the grade change.

Evaluating the Instructor

At the end of the semester you will have an opportunity to extensively evaluate the course and the instructor. However, you may also send me an e-mail with constructive criticism at anytime.

“The concept is interesting and well-formed, but in order to earn better than a ‘C’, the idea must be feasible” – Yale University Management Professor.