FRC1010 - GROWING FRUIT FOR FUN AND PROFIT (1 CREDIT)

SPRING 2015

Sections 2560 & 2561
Period 5 (11:45am – 12:35 pm)
Fifield Hall – Rooms: 2316/2318

Section 1247
Period 9 (4:05pm – 5:55pm)
Pugh Hall – Room: 170

INSTRUCTOR

Katchen Julliany P. Silva
frc1010@ifas.ufl.edu
Office hours by appointment only

TEACHING ASSISTANTS

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COURSE DESCRIPTION

Horticulture is the part of agriculture that deals with the propagation, cultivation and improvement of high-value cash crops. This industry accounts for a significant part of the economy of the state of Florida, and is expected to grow in the coming decade. Nevertheless, students are increasingly unaware of the opportunities and challenges facing Florida Horticulture. As a consequence, the 2014 iteration of FRC1010 aims to expose students to the most relevant horticultural crops grown in the state, as well as some of the cutting-edge technologies currently used for their cultivation. Additionally, this course will cover hot-topic national issues like organic agriculture and genetically modified crops. A diverse selection of UF scientists will be invited to deliver talks about these topics in order to keep the lectures both current and topical.

COURSE GRADE

Attendance 25%
Weekly Quizzes 25%
Notebook 25%
Short Project 25%
Extra Credit 5%

Syllabus - 01
1. **Attendance (25 %)**

   Attendance will be taken every class period, based on **assigned seating**. To be marked “present,” a student must attend class, pay attention to the speaker, take notes, and refrain from engaging in disruptive behavior (see Course Policies). It is each student’s responsibility to check his/her attendance in Sakai. Students who wish to dispute an attendance grade must contact their section’s TA via e-mail within **1 week** of the disputed event. If a dispute is not initiated within this time period, attendance grades are final.

2. **Weekly Quizzes (25 %)**

   A 5-question weekly quiz will be posted in Sakai by 6pm on the day of each lecture. Quizzes will be available for 6 days, but once started each student must finish the quiz within 5 minutes. There will be a total of 13 quizzes in the semester, but only the highest 12 scores will be utilized to compute your quiz grade. No late quizzes will be given. Quizzes will cover material presented during the preceding lecture, with a focus on information that cannot be found on search engines. Students must neither give nor receive help in answering quizzes (see Course Policies).

3. **Notebook (25%)**

   The notebook is a collection of each student’s notes from every lecture in the semester. Notebooks must be turned in by **5:00PM on April 16th**. Late notebooks will not be accepted. Graded notebooks can be picked up at **Fifield Hall 1127** on **April 23rd**. Notebooks not picked up by May 1st will be discarded.

   When preparing their class notebooks, students must keep in mind the following:

   1. The class notebook must be a 3-ring binder.
   2. At minimum, each student must have one full page (front and back) of notes for each lecture.
   3. Notes must be handwritten, neat, and legible. Typed notes will not be accepted.
   4. Notebooks must have:
      5. Grading Rubric
      6. Table of Contents
      7. Syllabus
      8. All handouts
      9. Notebook pages must be numbered.

   Notebooks will be graded according to the grading rubric provided in Handout 1.

4. **Short Project (25 %)**

   The short project is the capstone assignment of this course. Students are expected to utilize information from in-class and out-of-class sources to produce a high quality deliverable that illustrates the impact of agriculture on their daily lives.

   Additional details about this assignment, along with a grading rubric, are provided in Handouts 2.
5. **Extra Credit (5%)**

Students can complete one of two *optional* assignments for extra credit.

1. Participate in a 15-minute long interview with the instructor about agricultural awareness. Interviews can be scheduled to happen between March 16\textsuperscript{th} and March 20\textsuperscript{th} in Fifield Hall.

    - or -

2. Participate in a 15-minute long online survey between March 27\textsuperscript{th} and April 10\textsuperscript{th}.

Students who complete either one of the assignments will receive full marks for the extra credit. Students who choose not to complete any of the assignments will neither be penalized nor receive extra credit.

**GRADING SCALE**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B+</td>
<td>85-89</td>
</tr>
<tr>
<td>B</td>
<td>80-84</td>
</tr>
<tr>
<td>C+</td>
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<td>C</td>
<td>70-74</td>
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<tr>
<td>D+</td>
<td>65-69</td>
</tr>
<tr>
<td>D</td>
<td>60-64</td>
</tr>
<tr>
<td>E</td>
<td>&lt;60</td>
</tr>
</tbody>
</table>

**COURSE WEBSITE**

E-Learning at Sakai:  [https://lss.at.ufl.edu/](https://lss.at.ufl.edu/)

Digital copies of this syllabus, and other handouts will be made available here. Students must familiarize themselves with the “Grade Book 2”, “Assessments” and “Announcements” tabs of the FRC1010 mini-site in the Sakai platform.

**COURSE POLICIES**

**Disruptive Behavior**

The use of electronic devices (laptops, tablets, and cellular phones) during lecture time is considered disruptive behavior in FRC1010. Talking, sleeping, studying for other classes, and eating are also considered disruptive. Students found engaging in these activities will be penalized with a deduction of \( \frac{1}{2} \) of the attendance grade for that class period. Students who repeatedly engage in disruptive behavior during a class period will be marked absent and/or asked to leave the room.

**Academic Honesty**
In 1995 the UF student body enacted a new honor code and voluntarily committed itself to the highest standards of honesty and integrity. When students enroll at the university, they commit themselves to the standard drafted and enacted by students.

In adopting this honor code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the university community. Students who enroll at the university commit to holding themselves and their peers to the high standard of honor required by the honor code. Any individual who becomes aware of a violation of the honor code is bound by honor to take corrective action. The quality of a University of Florida education is dependent upon community acceptance and enforcement of the honor code.

**The Honor Code:** We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

On all work submitted for credit by students at the university, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

The university requires all members of its community to be honest in all endeavors. A fundamental principle is that the whole process of learning and pursuit of knowledge is diminished by cheating, plagiarism and other acts of academic dishonesty. In addition, every dishonest act in the academic environment affects other students adversely, from the skewing of the grading curve to giving unfair advantage for honors or for professional or graduate school admission. Therefore, the university will take severe action against dishonest students. Similarly, measures will be taken against faculty, staff and administrators who practice dishonest or demeaning behavior.

Students should report any condition that facilitates dishonesty to the instructor, department chair, college dean or Student Honor Court.

It is assumed all work will be completed independently unless the assignment is defined as a group project, in writing by the instructor. This policy will be vigorously upheld at all times in this course. Additionally, the instructor reserves the right to analyze student submissions with originality-checking software to detect any academic misconduct.

**Software Use**

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken when appropriate.

**Campus Resources**

Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. The UF Counseling and Wellness Center provides a wealth of confidential, free counseling services to enrolled students.

- **Counseling and Wellness Center**, 3190 Radio Road, 392-1575, [www.counseling.ufl.edu](http://www.counseling.ufl.edu)
Additionally, on-campus resources are available for students who would like orientation on choosing a major or planning their career.

- **Career Resource Center**, CR-100 Reitz Union, 392-1601, [www.crc.ufl.edu](http://www.crc.ufl.edu)

**Students with Disabilities**

The Disability Resource Center (DRC) coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues.

Students requesting classroom accommodation must first register with the DRC. The DRC will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodations.

- **0020 Reid Hall**, 392-8565, [www.dso.ufl.edu/drc](http://www.dso.ufl.edu/drc)

**Diversity**

Student, faculty, and staff interactions with others from varied backgrounds and experiences foster a superior educational environment and healthier, more accurate understanding of how the world works and contribute to valuable dialogue in our increasingly global and multicultural world. The University of Florida and this instructor place great emphasis on affirming the diversity of the student body.

Hence, students in FRC1010 are encouraged to engage in meaningful intra- and inter-culture dialogue and jointly support a climate that is grounded in respect and inclusion for individuals of all races, ethnic backgrounds, genders, and sexual orientations.
# FRC1010 Growing Fruit for Fun and Profit

## Schedule Spring 2015

<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture and Guest Speakers</th>
<th>Speakers</th>
<th>Deliverables Deadlines</th>
</tr>
</thead>
</table>
| Jan 8<sup>th</sup> | No class this week  
Please see online:  
Standing up for the future of agriculture  
**Robb Fraley, Ph.D.**  
Monsanto Chief Technology Officer and 2013 World Food Prize Laureate  
[http://mediasite.video.ufl.edu/Mediasite/Play/015773de712d46c79a16d380c7ff628f1d2891d](http://mediasite.video.ufl.edu/Mediasite/Play/015773de712d46c79a16d380c7ff628f1d2891d) |                                                                                     | Weekly quiz starts                                                               |
| Jan 15<sup>th</sup> | Course Introduction  
Katchen Silva                                                                 |                                                                                     | Sign up for permanent seat                                                       |
| Jan 22<sup>nd</sup> | Horticultural Sciences at UF and beyond  
Dr. Rebecca Darnell                                                                 |                                                                                     |                                                                             |
| Jan 29<sup>th</sup> | Postharvest technology  
Dr. Steven Sargent                                                                 |                                                                                     |                                                                             |
| Feb 5<sup>th</sup> | Citrus  
Flavia Zambon                                                                 |                                                                                     |                                                                             |
| Feb 12<sup>th</sup> | Horticulture Nutrient Management  
Dr. David Liu                                                                 |                                                                                     |                                                                             |
| Feb 19<sup>th</sup> | Chemical Application and Vegetable Production  
Dr. Peter Dittmar                                                                 |                                                                                     |                                                                             |
| Feb 26<sup>th</sup> | Organic Agriculture  
Dr. Danielle Treadwell                                                                 |                                                                                     |                                                                             |
| Mar 5<sup>th</sup> | No class this week (Spring Break)                                                                 |                                                                                     |                                                                             |
| Mar 12<sup>th</sup> | Blueberries  
Dr. James Olmstead                                                                 |                                                                                     |                                                                             |
| Mar 19<sup>th</sup> | Peaches, plums and nectarines  
Dr. Mercy Olmstead                                                                 |                                                                                     |                                                                             |
| Mar 26<sup>th</sup> | Strawberry and Citrus  
Katchen Silva                                                                 |                                                                                     | Short project description due                                                  |
| Apr 2<sup>nd</sup> | Genetically modified crops: Frankenfoods?  
Dr. Kevin Folta                                                                 |                                                                                     | Short project deliverable due                                                  |
| Apr 9<sup>th</sup> | Plants and Spaceflight Environment  
Dr. Anna-Lisa Paul                                                                 |                                                                                     | Notebooks due by 5:00 PM  
Last weekly quiz posted                                                         |
| Apr 16<sup>th</sup> | Algae and Biofuel Research  
Elton Goncalves                                                                 |                                                                                     |                                                                             |

Syllabus - 06
Calendar:

03/23 to 03/25 - Short Project clinic
03/26 by 11:59PM - Short Project description due
03/27 to 04/10 - Extra credit interview / online survey
04/02 by 11:59PM - Short Project deliverable due
04/16 by 5:00PM - Notebooks due
04/23 by 5:00 PM - Notebook must be picked up at Fifield Hall 1127 (Notebooks not picked up by May 1st will be discarded).
FRC1010 : Growing Fruit for Fun and Profit

SPRING 2015

Student's Name: _______________________________
Section: _______________________________

**GRADING RUBRIC**

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
</tr>
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<tbody>
<tr>
<td>Table of Contents</td>
<td>_____</td>
</tr>
<tr>
<td>Syllabus</td>
<td>_____</td>
</tr>
<tr>
<td>All handouts</td>
<td>_____</td>
</tr>
<tr>
<td>Complete notes from every lecture</td>
<td>_____</td>
</tr>
<tr>
<td>Numbered pages</td>
<td>_____</td>
</tr>
<tr>
<td>Neatness and Legibility</td>
<td>_____</td>
</tr>
</tbody>
</table>

**TOTAL**  _____ / 25
Short Projects

This short project is the capstone assignment for this course. The objective is to encourage you to reflect on the impact of agriculture on your daily life and the multitude of ways in which human beings experience this impact. You are expected to select one of the following project options and produce a high-quality, original deliverable for on-line submission.

These are the options from which you can choose:

Option A: A 1000-word Document

You are expected to select the topic of the course that was most impactful to you and produce a 1000-word, high-quality, original manuscript describing your personal perspective on this issue. There are fourteen different lectures this semester (and innumerable topics therein). Pick a topic about which you can compose a quality document. Your manuscript can be crafted as a “typical” college-level essay (with appropriate bibliographical research, APA-style formatting, and citations) or a creative piece (e.g., interview, short story, blog entry, etc). Regardless of the style you choose, your manuscript must evidence at least 4-5 hours of work on your part. Guidelines for submission will be provided in Handout 3.

Grading Rubric

Understanding of agricultural issue _____ / 10.0
Style-appropriate argument / approach _____ / 5.0
Style-appropriate formatting _____ / 5.0
Overall quality of writing _____ / 5.0
**Option B: A letter to the Editor**

You are expected to select an article from a provided list and write a 750-word, and submit a high quality reaction paper in the form of a “Letter to the Editor”. In this letter, you must develop a position of agreement or disagreement with one of the points in the prompt article and include scientific information (from peer-reviewed journals) that supports your position. This short project will require bibliographic research capacity and critical thinking skills. Your deliverable must be formatted as a letter (directed to the editor of the newspaper or magazine where your article was published) and come accompanied by a list of your references (minimum of 3). Your letter to the editor must evidence at least 4-5 hours of work on your part. Guidelines for submission will be provided in Handout 3.

**Grading Rubric**

- Understanding of agricultural issue: _____ / 10.0
- Scientific argument / issue: _____ / 5.0
- Formatting of letter and references: _____ / 5.0
- Overall quality of writing: _____ / 5.0

**Guidelines for submission of the Short Project:**

- Use Times New Roman, 12-point font, and 1.5-point line spacing.
- All four margins should be 1 inch.
- Place your first and last names at the top-right corner of each page.
- Under your name, identify which option you choose for your short project.

  For example:
  
  Jack Williams
  Option B: A letter to the Editor

- Be certain that your work satisfies the expectations described in Handout 2.
- Double check your word count and keep in mind the grading rubric.
- Check closely for spelling and grammar errors (or pay dearly).
- Save your work as a PDF – only PDFs will be accepted.
- Name your file following this convention:
First Initial + Middle Initial + [space] + Last Name + [space] + FRC1010
For example, John C. Perez would name his file: **JC PEREZ FRC1010**

- In Sakai, go to “Assessments” → “Short Project” → “Choose File.”
  Find and select your file and click “Upload.”
  Uploading larger files will require more time. Plan accordingly.

1. **Critical Dates**

**03/23 to 03/25 - Short Project clinic**

Special office hours will be held for students to discuss their ideas for the short project with the instructor in a one-on-one basis. You are highly encouraged to take advantage of this opportunity. Hours and location to be announced.

**03/26 by 11:59PM - Short Project description due**

A brief description (±10 words) of your Short Project must be submitted through the “Assessments” tab in Sakai.

**04/02 by 11:59PM - Short Project deliverable due**

Short project deliverables must be submitted through the “Assessments” tab in Sakai. Instructions for submission can be found in Handout 3.