

# Agronomy 105 Crop Production Fall 2009 Syllabus

**Instructor: Dr. Lori Unruh Snyder**

**Office: Lilly 2-414E**

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**Office Hours: Thursday, 9:30-10:30 am (and by appointment)**

**Teaching Assistants: TUESDAY LAB**

<b>Lab 1: Dr. Lori Unruh Snyder</b>	9:30 to 11:20	<a href="mailto:lusnyder@purdue.edu">lusnyder@purdue.edu</a>
<b>Lab 2: Ms. Anna Verseman*</b>	11:30 to 1:20	<a href="mailto:aversema@purdue.edu">aversema@purdue.edu</a> , Lilly 2458
<b>Lab 3: Ms. Samantha Ambrose*</b>	1:30 to 3:20	<a href="mailto:sambrose@purdue.edu">sambrose@purdue.edu</a> , Lilly 2-417
<b>Lab 4: Ms. Samantha Ambrose*</b>	3:30 to 5:30	<a href="mailto:sambrose@purdue.edu">sambrose@purdue.edu</a>

**\*Dr. Snyder will occasionally attend and visit Anna and Samantha's labs. There will be labs were Dr. Snyder will be team teaching with Anna and Samantha.**

**Lab Room: Lilly 2-407**

**Lecture Room: Lilly 3-118**

8:30 to 9:20 AM Tuesday and Thursday

**Recitation Room: Lilly 2-417.** Crops Resource Center. Hours will be arranged by professor and student.

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*“The small landholders are the most precious part of a state. Cultivators of the earth are the most valuable citizens. They are the most vigorous, the most independent, the most virtuous, and they are tied to their country, and wedded to its liberty and interests by the most lasting bonds.”*

*--Thomas Jefferson*

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**Office Hours:**

Office hours are currently on Thursday immediately following class until 10:30 am. The best way to reach me is via e-mail. However, there may be times when I cannot comply with the hours posted. It is best that you schedule an appointment ahead of time to ensure that I will be available to help you. If you are unable to meet with me during my office hours, it is required that you make an appointment to meet with me.

**Class Website: <http://www.agry.purdue.edu/courses/agry105/>**

From the class website, you can access blackboard, a copy of the syllabus, find the instructor's and TA's contact information, study information for crop/weed ID quizzes, and the lab schedule.

**Text for Class and Lab:**

There will be two parts to this year's book for the class. The first part should be available by the second week of class. The book will be available at The University book store and Follett's bookstore. Title of the book: Introduction to Crop Production Part I: by Dr. Lori Unruh Snyder ISBN: 978-1-58874-881-2. If any information should change, I will inform you as soon as possible.

**Required Purchase: 3 ring binder that is at least 1 ½ inch for additional class or lab handouts.**

We will also supply each student with a free copy of the 2009 Corn and Soybean Guide. If you lose your free copy, no other copies can be provided. Copies are limited so don't lose it.

**Crops Resource Center:** Lilly 2-417

The CRC is a great study tool for all students taking this class. Graduate TAs and undergraduate teaching assistants who will be available Monday-Thursday from 8am-5pm; and on Friday from 8am-3:00 pm. The undergraduate TAs will be there to help you and to answer any questions you might have about course materials, assignments, labs, etc. Not only that, but there are magazines with current agriculture topics (good for finding a news article), models and diagrams of plants, computers with internet access, posters with information about each week's lab, study materials for crop/weed ID quizzes, and much, much, more.

**Blackboard**

Blackboard will be used for posting information related to class and lab on the internet. Not only that, but grades will be updated periodically through blackboard, most likely by Friday by 5:00 PM. . Blackboard can be found at: <http://www.itap.purdue.edu/ilt/blackboard/>

**Class Grades:**

We base your grade in this course on the points you accumulate for online and in class assignments, pre-lab lectures with questions, in-lab quizzes, in-lab assessments, final lab practical exam, and written quiz exams. Each week we total your accumulated points and post them in your Blackboard grade book in the "MyTotal" column. We also calculate your percentage of possible points each week, and post that percentage in your grade book in the "MyPercent" column. Additionally, you will see a traffic signal icon on your Blackboard home page that shows a green, yellow or red light. The color traffic signal light tells you how you are doing in this class, *i.e.*, it is a reflection of your weekly calculated percentage of possible points: green for doing well, yellow for not doing as well as you could, and red for doing very poorly.

Grades in this class are administered on a point-based scale. Once the course is over, each student's points will be tabulated (both class and lab points) and the total points received will be used to determine the student's final grade.

Student's can earn points in the following categories:

**Lecture Class Participation:**

For practical purposes, attendance is required, especially on quiz days (which are announced at least one week in advance) and those days when there is an in-class assignment due (while some in-class assignments are announced in advance, others are not). There will be several in-class assignments administered. Sometimes, I will give a short questionnaire about "What in this lecture/chapter was not clear?" or we will have movies and questions to ask while watching the in class movie. Make-ups for in-class assignments will only be administered if the student can provide a valid excuse (*i.e.* doctor's note).

**Homework:**

Periodically, students will be assigned homework that is related to topics being discussed in class. Each homework assignment will have a specific due date. All assignments are due on their exact date, and there will be no exceptions to this rule; assignments can always be turned in early. Grades will be posted each Friday to blackboard and all homework should be turned in to ensure grading time to ensure posting time. LATE ASSIGNMENTS WILL NOT BE ACCEPTED.

**Quizzes:**

There will be four announced quizzes worth 25 points each. Quizzes will cover material from

lectures and class assignments. In addition, we will have 2 extra credit quizzes scheduled on the same day of two of the announced quizzes that will focus on 2009 corn and soybean guide. I will announce the pages covered for the bonus quizzes. There will be no make-up quizzes offered unless you have a university official note.

### **Class Exam:**

The class exam will be comprehensive and cover material that has been presented over the entire semester. In preparation for the class exam, students are encouraged to look over quizzes, class assignments, and powerpoints from lecture. Students should also be able to explain the concepts of each quiz and assignment question. At least 20% or more of the questions on each exam will be identical or very similar to the subject matter on past quizzes and class assignments. Question formats on each exam will include: true/false, multiple choice, short answer, fill-in-the blank, and matching.

### **Recitation Hours:**

#### **Crop and Weed Identification:**

There are two crop and weed identification quizzes for this class. The student must schedule to study for and take both of these quizzes outside of class time. A chart stating what plants will be on each quiz is located in the Crops Resource Center. Student's must sign up and schedule a time to take each quiz, if you miss your time that you signed up for 5 points will be deducted from your score. However, if the student is sick or is unable to show up (i.e. death in the family) on their scheduled day, as long as there is sufficient documentation (i.e. doctor's note) the student will be able to make up their quiz.

#### **iFARM Activities:**

iFARM (internet Fundamental Agriculture Resource Materials) will take place during the course of the semester as a tool to help retain information learned in both class and lab. You will have a pretest, worksheet and a post test to complete for each iFARM assignment. You can use the computers within the CRC room or any computer where you have access to blackboard. Part of iFARM activities will also be doing a few activities with a program I created called Cropview, which will introduce you to the top important crop plants around the world.

#### **Plant of the week extra credit and Pre-quiz bonus for Crop and Weed ID**

Not only can you earn extra credit from quizzes, but you can earn extra credit by identifying the plant of the week (which is located in the CRC). Each week, a new plant will be placed in the CRC for identification. In order to receive full credit, students must fill out and turn in a questionnaire about each plant.

### **Lab Grade:**

#### **Lab Activities:**

Students are required to participate in all labs. Some labs will feature a movie, group games, or material reviews. During each of these activities, students will be required to participate in and fill-out and turn in any paper work/assignments associated with those activities. There are several in lab assignments distributed throughout the semester which are due by the end of lab or the next following lab.

#### **Quizzes and Lab Participation**

There will be about 5 lab quizzes this semester. The lab quizzes will be cumulative and cover at times at least 2 or more labs. They will benefit you for the lab final exam.

**Exam:**

There will be a cumulative lab final at the end of the semester worth 100 points. The lab final consists of a written portion, worth 30 points, and a station section, worth 70 points. The written portion will have questions consisting of, but not limited to: multiple choice, short answer, math problems, and matching. For the station section, different diagrams, models, pictures, tools, and various other things will be set up around the room and the student must go from one station to the next and answer each question.

At any time during lab, if you feel that you do not understand a concept or a procedure, please see one of the lab instructors so that we can clear things up for you. It is important that you do this because homework assignments and lab quizzes will be based off of lab concepts.

**Planning to Miss Class?**

A letter memo in advance from the faculty member in charge of a field trip or other activity is usually adequate for an excused absence. In the event that an unforeseen event occurs (i.e. illness), a written excuse (i.e. doctor's note) should be presented to the instructor upon your return to ensure that you have the opportunity to make up missed work. ALWAYS, the student is responsible for getting lecture notes from a classmate or picking up any class handouts from the box in the CRC. If you do not know a friendly classmate, make friends with one that you can count upon to provide you with needed/missed information. Please remember, that if you don't let the instructor or one of the TAs know what is going on with you, we cannot help you.

**Course Policy on Academic Dishonesty**

University Policy States: "The commitment of the acts of cheating, lying, stealing and deceit in any of their diverse forms (such as the use of ghost-written papers, the use of substitutes for taking examinations, the use of illegal cribs, plagiarism and coping during examination) is dishonest and must not be tolerated. Moreover, knowingly to aid and abet, directly or indirectly, other parties in committing dishonest acts is in itself dishonest (University Senate Document 72-18, December 15, 1972)."

Academic dishonesty in this course will not be tolerated. Academic dishonesty will consist of the following actions:

1. Obtaining or using work other than your own on tests and quizzes.
2. Unauthorized use of study aids, answer or crib sheets.
3. Soliciting or providing answers on tests or quizzes.

Students who violate the above policy can expect disciplinary action. Disciplinary action may consist of receiving a zero on the assignment, failing the course, being reported to the Dean of Students, or other action as deemed appropriate by the course instructor.

**Grading Procedure:****LECTURE****LECTURE PARTICIPATION**

1	In class participation activities and homework	50
2	Lecture Quizzes (4@ 25 pts each)	100
3	Class Exam	100
	<b><u>Lecture Total:</u></b>	<b><u>250</u></b>

<b>RECITATION</b>	Crop and Weed ID Quizzes (2 @ 35pts each)	70
	IFARM Activities on Blackboard	120
	<b><u>Recitation Total:</u></b>	<b><u>190</u></b>

<b>LAB</b>	Lab Participation Points/Activities	140
	Quizzes	70
	Laboratory Final	100
	<b><u>Lab Total:</u></b>	<b><u>310</u></b>

	<b><i>GRAND TOTAL (CLASS AND LAB)</i></b>	<b>750</b>
<b>EXTRA CREDIT</b>	2009 Field Guide Quizzes	16
	Plant of the Week (14 @ 1pt each)--in CRC room	28
	Miscellaneous Extra Credit	6
	<b><u>Extra Credit Total:</u></b>	<b><u>50</u></b>

***POTENTIAL with Extra Credit Total:*** **800** \*\*\*\*\*

**Evaluation & Grading:**

The following scale will be used to determine the final letter grade:

**750-675 = A** (90-100%)

**674-600 = B** (80-89%)

**599-524 = C** (70-79%)

**523-449 = D** (60-69%)

**448-000 = F** (Below 60%)

## Tentative Schedule—Quiz Dates and Subject Materials are Subject to Change.

Week & Date	Tuesday Lecture	Tuesday Lab	Thursday Lecture
1. August 24	Course Introduction	First Lab-Tour the CRC and Lab Introductions, Rules and Goals	Intro to Crops Special Guest from Costa Rica
2. August 31	Intro to Soils Cropping Regions IFARM* HMK	Soils in the Field- FIELD TRIP.	Soils Continued
3. Sept 7	Soils Completed- Web Soils Survey*HMK	Soils in the Lab- <b>Lab Quiz #1</b>	Crops Terminology/Crops Classification
4. Sept 14	Tropical <b>Cropping Systems</b> -Lecture Guatemala, Honduras and Costa Rica	IPM-Weeds- FIELD TRIP	<b>Quiz 1 + Bonus Quiz</b>
5. Sept. 21	IPM-Weeds	IPM-Insects- FIELD TRIP <b>Lab Quiz #2</b>	IPM-INSECTS and DISEASE
6. Sept 28	IPM-Scouting Video- Complete IPM SERIES	Calibration & Operation FIELD TRIP	<b>Tillage and Equipment Videos</b>
7. Oct. 5	Crop Residue Mgt/Video	Crop Residue-FIELD TRIP <b>Lab Quiz #3</b>	<b>Quiz2</b>
8. Oct. 12	FALL BREAK	NO LAB-FALL BREAK	Movie Day- SEEDS
9. Oct. 19	Corn and Soybean Production	Precision Farming- GUEST LECTURE- Tablet Pcs	Guest Lecture
10. Oct. 26	<b>Quiz 3+ Bonus Quiz</b>	Seed Quality-Self Guided in CRC <b>Lab Quiz #4</b>	Corn +Soybean Production
11. Nov. 2	CLIMATE ISSUES- ON LINE LECTURE	Grain Grading- Self Guided in CRC	Harvest Movie Day
12. Nov 9	<b>Quiz 4/ Plant Growth Lecture</b>	Early Growth & Stems & Leaves <b>Lab Quiz #5</b>	Corn Movie.
13. Nov. 16	<b>Guest Lecture Plant Breeding</b>	Roots	Plant Growth Cont
14. Nov.23	REPRODUCTION ISSUES-ON LINE LECTURE	Reproduction & Seeds- Self Guided Lab	THANKSGIVING
15. Nov. 30	Class Exam Review	Plant Breeding- Biotech/iFARM evaluation	<b>Class Cumulative Exam</b>
16. Dec. 7th	**Class-Review Session for Lab Final Exam**	Lab Final Exam	Class- Wrap Up

	DEADLINES FOR PLANT AND WEED ID
<b>Quiz A</b>	9/7 to 9/30
<b>Quiz B</b>	10/01 to 10/30

Agronomy 105 FALL 2009

Name: \_\_\_\_\_ Laboratory time: \_\_\_\_\_

(Last)

(First)

Semester Classification: \_\_\_\_\_ Major \_\_\_\_\_ Department \_\_\_\_\_

School Address: \_\_\_\_\_

School Phone: \_\_\_\_\_ E-mail address \_\_\_\_\_ -

Major Area of Interest: \_\_\_\_\_

Background:

Rural Farm \_\_\_\_\_ Rural Non-farm \_\_\_\_\_ Urban \_\_\_\_\_

Farm acreage owned:  small (0-99 acres)  medium (100-500 acres)  large (>500 acres)Farm acreage rented:  small (0-99 acres)  medium (100-500 acres)  large (>500 acres)

Home Address \_\_\_\_\_ Home Phone \_\_\_\_\_

\_\_\_\_\_

Career plans after graduation:

\_\_\_\_\_  
\_\_\_\_\_

Why did you decide to take this course?

\_\_\_\_\_  
\_\_\_\_\_**RETURN OF GRADED MATERIALS IN AGRY 105**

Please put a check on the proper line and sign your name on the line at the bottom of the page.

\_\_\_\_\_ I give Dr. Snyder, Ms. Ambrose, and Ms. Verseman permission to return graded class material, homework, examinations and quizzes by putting them in piles in the front of the room and by placing them in the box in Lilly 2-417. I understand that these places are open to inspection by other students and staff.

\_\_\_\_\_ I decline permission to return my graded materials through the above mentioned methods

Signed \_\_\_\_\_