

Syllabus SOIL 5110 Section 379
Cropland Irrigation Management
Fall 2014
1-2 credits

Instructor: Jason G. Warren

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Course Website: <http://soilwater.okstate.edu/courses/soil-5110-irrigation>

Course meeting time and location:

1030-11:30 Monday, 401 Ag Hall

Office Hours:

The best time to talk to me will typically be immediately after class if that time does not work for you, you may call or e-mail to schedule an appointment. You are also welcome to stop by my office at any time. I can usually make time to talk to you.

Course Description:

This course will provide a detailed discussion of irrigation systems used for crop production including the limitations and benefits of each system. Factors affecting irrigation water use efficiency, including crop water use efficiency, application efficiency, uniformity and timing for major crops will be presented. Irrigation technologies and their application under different production environments will also be discuss.

Textbook:

Currently there is no text book assigned to this course. Reading assignments will be provided as needed..

Performance evaluation:

Student performance will be evaluated using frequent in-class quizzes, homework assignments and 2 exams including a final exam. Students taking this course for 2 credit hours will be evaluated on the completion of a project outlined below. The maximum points that can be earned for each activity are listed below.

Distribution of Points:

Assignment	Quantity	Total Points
Quizzes	15	150
Midterm exam	1	100
Final Exam	1	150
Homework assignments	3	100
Project (applicable for 2 credits)	1	400
Total Points Possible*		500 (900 for those with project)

*The quantity of quizzes and homework assignments is subject to change during the semester, which will cause the total points to change.

Grades will be assigned at the end of the semester using the follow scale:

> 90% = A, 89-80% = B, 79-70% = C, 69-60% = D

Quizzes:

-Quizzes may be announced or unannounced in class. They will cover material from assigned readings or from lectures.

-A missed quiz may not be made up.

-The lowest quiz score will be dropped from the final grade calculation.

-Some quizzes will require you to complete calculations. Therefore, you should bring a calculator (NOT a cell phone) to each class

Class Policies

1. It will be necessary to attend all scheduled class periods and take all exams at their assigned date and time in order to fulfill the requirements and receive an acceptable grade in this class.
2. Students missing any class period should make arrangements with others students in the class to obtain lecture notes.
3. Make-up exams will be available for officially permitted absences that occur on the scheduled exam dates and times. Valid reasons for absences include, but are not limited to, serious illnesses, death in the immediate family, and university-sanctioned extracurricular activities. Students are responsible for providing valid documentation of the permitted absence. This should be done prior to the date of the exam. If notification cannot be made before the exam date, then validation of the absence must be completed within two class periods of the original exam date.
4. There will be no make-up quizzes, and unexcused absences will result in a score of 0 for that day's quiz. Permitted absences will result in no score, and thus will not count against the student.

General Description of Project for 2 credit hours:

Students who sign up for 2 credit hours in this course will be required to determine irrigation water requirements given a production scenario. This project will require that student account for irrigation system efficiencies, target crop/s to be grown, environmental conditions and soil characteristics when determining water needed to optimize crop performance.

Special Accommodations for Students:

If you have a disability and need special accommodations of any nature, I will work with you and the Office of Disabled Student Services, 326, Student Union, to provide reasonable accommodation to ensure that you have a fair opportunity to perform in this class. Please let me know of your need for accommodation as soon as possible.