

## Eastern Oregon University Course Syllabus

**Number of Course:**

AE 102

**Name of Course:**

Exploring Cropping Agriculture Systems

**Catalog Description:**

This course explores the purpose and sustainability of agricultural cropland systems for food, fiber and fuel production in the U.S. and globally. Content will focus on basic soil management, cropping systems and their general management, major crops of interest, and products derived and marketed to meet consumer needs.

**Credit Hours:**

4

**Instructor:****Time and place of the course:**

TBD

**Required Texts or Suggested Materials:**

Link to the EOU Bookstore: [Eastern Oregon University Bookstore \(opens in new tab\)](#)

**Prerequisites:**

None

**Learning Outcomes:****Upon completion of the course, students should be able to:**

1. Describe and discuss cultivated and non-cultivated cropping systems and the purpose of each for use in the production of food, fiber and fuel for human and animal use. [PLO 2]
2. Describe and discuss the fundamentals of soil science and the impact of soil management practices, environment, and cropping systems on crop production. [PLO 1, 2]
3. Illustrate and describe the basic processes of harvest, storage, processing/packing, and distribution of the major plant crops. [PLO 1, 2]
4. Discuss the benefits, limitations, and social issues associated with modern agricultural cropland systems. [PLO 1, 2, 4]

**Course Requirements:**

- Formal lecture assessments
- Case studies (including site visits/field trips)

**Grading Policies:**

Student grades will be based on formal assessments covering lecture materials and activities. Formal lecture assessments will include weekly quizzes and interim examinations.

Assessment	Total Points	Percent of Total Grade
Weekly Quizzes	200	40%
Interim Examinations	300	60%
Total	500	100%

The following rubric will apply for all graded activities/quizzes/examinations:

Letter Grade	Percentage
A	93.5% or greater
A-	89.5 – 93.4%
B+	86.5 – 89.4%
B	83.5 – 86.4%
B-	79.5 – 83.4%
C+	76.5 – 79.4%
C	73.5 – 76.4%
C-	69.5 – 73.4%
D+	66.5 – 69.4%
D	59.5 – 66.4%
F	<59.5%

**Means of Assessment:**

- Weekly lecture quizzes [CLO 1, 2, 3]
- Interim lecture examinations [CLO 1, 2, 3, 4]

**Brief Outline of Course:**

Week(s)	Topic(s) + Laboratory Activity
1	Overview of cultivated and non-cultivated cropland. U.S. and Global perspectives of cropland systems in relation to human nutrition and food security.
2	Basic Soil Sciences & Nutrient Cycles I

<b>Week(s)</b>	<b>Topic(s) + Laboratory Activity</b>
3	Basic Soil Sciences & Nutrient Cycles II
4	Exploring Cropping Systems
5	Major Dry Grain Crops
6	Major Oilseed Crops
7	Major Pulse Crops
8	Major Vegetable Crops
9	Major Fruit Crops
10	Future outlook on cropland agriculture (including conservation programs)

**General Education Category and Outcomes:**

Gateway

**Classroom Decorum:**

EOU's Classroom Decorum policy can be found on [EOU Policy Website \(opens in new tab\)](#) under Chapter 10 Section 02.10.15

**Academic Misconduct Policy:**

Eastern Oregon University places a high value upon the integrity of its student scholars. Any student found responsible for an act of academic misconduct (including but not limited to cheating, unauthorized collaboration, fabrication, facilitation, plagiarism or tampering) may be subject to having his or her grade reduced in the course in question, being placed on probation or suspended from the University, or a combination of these.

**Accommodations/Students with Disabilities Policy:**

Any student who feels they may need accommodation for any type of disability must contact the Disability Services Office in Loso Hall, Room 233. Phone: 541-962-3081.

**Disclaimer:**

This standard syllabus provides only general information on the course. For those enrolled in the course a detailed syllabus will be provided by the Instructor at the beginning of the term. Please keep in mind that not all courses are offered every year.

**Syllabus Prepared By:**

Dr. Chad J. Mueller

**Date:**

April 24, 2024