
SECTION HEADING

AGRI 1102: Principles of Agronomy

Description

Principles of Agronomy explores the principles and practices of plant and related sciences as applied to increasing productivity and improvement of field crops. Emphasis is on crop selection and improvement through the breeding of crop varieties, seeds and seedlings, crop growth and development, crop production hazards, and the harvest and storage of field crops.

Credits

3

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Plant Science and Human Welfare
2. Origin and Classification of Field Crops
3. Adaptation and Distribution of Field Crops
4. Varietal Selection and Improvement
5. Crop Propagation
6. Crop Nutrition
7. Maturation, Harvest, and Storage
8. Crop Pests

Learning Outcomes

1. Identify plant anatomy and functions.
2. Classify and identify field crop plants and seeds.
3. Explain the impact of food, fuel, and fiber crops to humankind and their distribution.
4. Describe plant physiology systems and how they relate to plant growth and environment.
5. Explain plant breeding systems and genetic improvement.
6. Describe crop production systems.
7. Collect and Identify crop pests and control methods.
8. Analyze crop nutrition and its relationship with soil fertility.
9. Describe proper harvest timing and storage techniques.

Credit Details

Lecture: 2

Lab: 1

OJT: 0

MnTC Goal Area(s): None