

AG 271 : Introduction to Crop Improvement

Credits: 3

Class Hours: 2 lecture and 3 lab

Prerequisites: "C" or higher in AG 200, BOT 101, or both SCI 121 and SCI 121L.

Description: This course includes fundamentals of genetic theory using biotechnological procedures in insect and plant pathogen control and plant and animal breeding as practical applications.

Semester Offered: Spring

Designation:

Diversification: Biological Sciences — DB

Course Student Learning Outcomes (CSLOs):

1. Describe the structure, function, and replication of DNA as the genetic material.
2. Describe basic concepts of genomics.
3. Describe genetic variation and its use in crop improvement.
4. Identify major methods used for crop improvement.