

# AG 122 : Soil Technology

**Credits:** 3

**Class Hours:** 2 lecture and 3 lab

**Description:** This course (i) studies identification, preparation, and fertilization of soils, (ii) discusses soil formation, soil classification, soil reaction, soil and water relationships, soil protection and irrigation practices, and (iii) emphasizes sustainable management systems.

**Semester Offered:** Spring

**Course Student Learning Outcomes (CSLOs):**

1. Explain soil forming factors as they relate to soil chemical and physical properties.
2. Describe the role of organic matter, water, pH, plant nutrients, essential elements, composts, amendments, and fertilizers on soil fertility.
3. Outline the basic concepts to manage soil health and fertility.