

AGRI 1203: Soil and Water Management

This course introduces learners to the fundamentals of soil and water management as a pre-requisite for crop production. It covers basic soils genesis, soil formation, and types of rocks. Soil is studied as a three phase system, solid, liquid and air their relationships and measurements. Soil chemical properties inclusive of pH, plant nutrient requirements, their assessment and management using different nutrient sources are presented. Water availability, crop requirements and management through irrigation as well as drainage and moisture conservation are also covered. Finally, learners are exposed to the areas of soil erosion, methods of soil conservation and soil biology. Students are also given the opportunity to do a range of research topics.

Credits: 3

Class Hours: 3

Prerequisites:

CHEM 1001

Department: Agriculture