

## **AEN4204 DESIGN PROJECT**

Mode of delivery: Each student carries out an individual Design project under the supervision of an academic member of staff

Course Type: CORE (BSc. Agricultural Engineering)

### **1. COURSE DESCRIPTION**

Course Credits (CU): 5 CU i.e. 60 Contact Hours per semester

Course Duration: 15 weeks (60 hours) i.e. 30 TH, 90 PH

#### **Brief course description**

This course involves carrying out an engineering design project in the field of agricultural engineering

#### **Course objectives/Learning outcome**

By the end of this course, the student will have developed an engineering system or product aimed at solving a problem related to agricultural engineering

#### **Detailed course description/outline**

Under supervision, the students engage in: the identification, analysis, and synthesis of an authentic problem of an engineering nature in the agricultural sector. Solution of the problem will involve making engineering decisions tempered by real-time restraints, economic realities, and data collection with due consideration for environmental and social implications.

#### **Mode of Assessment**

The student will provide a physical and an oral project presentation and final bound project report. The assessment:

- Physical and oral project presentation 40%
- Project report 60%

#### **Resources**

Students will need financial assistance to carry out the project activities