

AEN 4109 INDUSTRIAL CASE STUDY

Lecturers Mr. Allan Komakech (B.Sc. Agric, MSc. Agric Eng)
 Miss Fildah Ayaa (B.Sc. Agric Eng)

Course Type: CORE (B.Sc. Agric. Engineering)

1. COURSE DESCRIPTION

Course Credits (CU): 2 CU i.e. 30 Contact Hours per semester

Course Duration: 15 weeks (45 hours) i.e. 30 LH, 30 PH

COURSE DESCRIPTION

Within the outlined Industrial Training III the candidate chooses an engineering problem. The topic may be chosen by the candidate and discussed with the Engineer under whom the candidate is training. Problems which might be tackled may range from technical feasibility to modification of existing production processes. A Technical Report is prepared: Investigations and discussion of current problems in Agricultural Engineering.

2. COURSE OBJECTIVES

The main objective of the course is to equip students with problem solving and technical report writing skills

The **specific objectives** are to:

- Aid students to Identify Engineering problems in an industry/ community
- To appreciate Engineering Knowledge and its application in solving Engineering challenges
- Write a technical report at the end of the course unit.

3. RECOMMENDED REFERENCES FOR READING

- 1.AGORA :<http://www.aginternetwork.org/en/>
- 2.American Chemical Society: <http://pubs.acs.org/about.html>
3. American Society of Agricultural & Biological Engineers (ASABE): <http://asae.frymulti.com/>
- 4.American Society of Civil Engineers:
<http://ascelibrary.aip.org/journals/doc/ASCERL-home/jrnls/top.jsp>
- 5.Blackwell-Synergy/Wiley InterScience: <http://www3.interscience.wiley.com>
- 6.Cambridge Journals Online:<http://journals.cambridge.org>
- 7.Emerald Group Publishing Limited:<http://www.emeraldinsight.com/login>
- 8.Institute of Electrical and Electronics Engineers <http://ieeexplore.ieee.org/xpl/periodicals.jsp>
- 9.The Royal Society of London: <http://www.pubs.royalsoc.ac>.

4. COURSE CONTENT, METHODS OF INSTRUCTION, TOOLS AND EQUIPMENT REQUIRED

TOPIC	CONTENT	METHOD OF INSTRUCTION / Time allocated	TOOLS / EQUIPMENT NEEDED

