## ELE2301 INDUSTRIAL TRAINING

| Hours per Semester | | | | Weighted Total Mark | Weighted Exam Mark | Weighted Continuous Assessment Mark | Credit Units |
|---|---|---|---|---|---|---|---|
| LH | PH | TH | CH | WTM | WEM | WCM | CU |
| 0 | 0 | 180 | 45 | 100 | 60 | 40 | 3 |

**Rationale**

The course enables students to experience what happens in industry by allowing them to work alongside practicing engineers on the design, operation and handling of equipment.

**Course Objectives**

- Expose students to practical aspects of engineering and construction activities
- Provide an opportunity to students to relate the knowledge obtained during lectures to actual field operations
- Create an understanding of the roles played by different project personnel during project execution
- Enable students learn how to work in a team (casual workers, technicians, engineers, etc).
- Teach students different engineering ethics necessary for career building
- Enhance problem solving capacity of the students using available appropriate technology and surrounding conditions
- Enable students to have a hands-on with tools and equipment not readily available in the University laboratories and are of great importance in the engineering field.
- Enable students appreciate various challenges faced in the field and critical areas necessitating further research studies.
- To give students an appreciation of engineering practice and introduce them to engineerin decision making in an industrial environment.

**Detailed Course Content:**

The student is required to participate in the day-to-day activities at the organization's premises as a regular worker. This activity lasts at least eight (8) weeks starting immediately after the end of examination of Semester II of the second year of study.

**Learning Outcomes**

At the end of this course, a student should be able to:

- identify and describe the major activities of the sections where he/she was attached
- describe the technical aspects of the training that was undertaken

- identify technical areas of improvement of the sections where he/she was attached
- write a clear and understandable technical report

**Mode of teaching/delivery**

The student will be attached to an organization. During this period, training is provided by the organization's personnel. The activity is closely supervised by a senior member of the organization as the industry supervisor. A member of the academic staff of the department is assigned to visit the organization at least two times and monitor the progress of the attachment. The student keeps a daily log of the activities which is reviewed weekly by the industry supervisor and academic supervisor during the visits.

**Mode of Assessment**

This shall be by the performance of the student in the organization (industry supervisor assessment) and a report written by the student (Academic Supervisor assessment) after the training. The combined assessment will be out of 100%.

**Proposed Staff**

All Academic staff