

GE 101 : ENGINEERING ORIENTATION

Transcript title

Engineering Orientation

Credits

3

Grade mode

Standard letter grades

Contact hours total

50

Lecture hours

20

Lab hours

30

Description

Introduces students to many different engineering fields through guest lectures, field trips, and hands-on engineering projects and problem-solving exercises. Develops understanding of similarities and differences between the engineering fields. Discusses professional engineering testing and licensing requirements.

Learning outcomes

Name and describe engineering disciplines

1. Describe work activities that engineers routinely perform
2. Implement the engineering design method
3. Exhibit creativity in designs and problem solving
4. Apply excel for engineering problem solving and data conversion
5. Work in project groups
6. Write brief technical reports
7. Make public presentations
8. Describe the role of ethics in the engineering profession