

ENGINEERING (ENGR)

ENGR 131 Engineering Graphics (3 Credits)**Lecture:** 3

A freshman level course which provides the undergraduate engineering student with a background in descriptive geometry, orthographic projection, engineering drawing standards and annotation, and computer-aided engineering graphics.

College/School: Col of Science, Engr & Tech**Department:** Department of Engineering**ENGR 310 Introduction to Project Management (1 Credits)****Lecture:** 1

The course emphasizes of a given engineering project, such as plananing, timie and cosst management, scope, human resource management, communications management and conflict management. One hour of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Engineering**ENGR 331 Engineering Economy (3 Credits)****Lecture:** 3, **Lab:** 0

Overview of the methodologies for evaluating engineering and technology projects in terms of the selection and justification of design alternatives, operating policies, and capital expenditures. Two hours of lecture per week. Pre- Requisite MATH 242

Prerequisite(s): MATH 242**College/School:** Col of Science, Engr & Tech**Department:** Department of Engineering**ENGR 333 Ethics in Prof Engr Practice (1 Credits)****Lecture:** 1, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Engineering**ENGR 433 Alternative Energy (3 Credits)****Lecture:** 3, **Lab:** 0

The course discusses the use of solar (thermal and photovoltaic), hydro-electric, wind, geothermal, ocean thermal, wave, tidal and geothermal energy, as well as energy from biomass. The use of fuel-cell and heat pump systems is dealt with. Issues relevant to energy efficiency and energy storage are discussed. Three hours of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Engineering**ENGR 480 Construction Management (3 Credits)****Lecture:** 3, **Lab:** 0

Principles common to construction management processes; planning estimating, contacts and specification, quantity surveying and bid preparations. Three hours of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Engineering