

Eastern Oregon University

Engineering

ENGINEERING COURSE DESCRIPTIONS

ENGR 101- Engineering Orientation Credits: 2.00

An introduction to the profession of engineering and engineering problem solving. Prerequisite: Strong background in algebra and trigonometry; MATH 112 recommended.

ENGR 110- Selected Topics Credits: 1.00 TO 6.00

ENGR 210- Selected Topics Credits: 1.00 TO 6.00

ENGR 211- Statics Credits: 3.00

Analysis of forces acting upon rigid bodies. Prerequisite: MATH 252, PHYS 222.

ENGR 212- Dynamics Credits: 3.00

Kinematics, Newton's laws of motion, work-energy and impulse-momentum relationships applied to engineering systems. Prerequisite: ENGR 211 or equivalent.

ENGR 213- Strength of Materials Credits: 3.00

Analysis of stresses, strains and deformations of elastic materials. Solutions of elementary problems involving stresses and deflections for both statically determinate and statically indeterminate structures. Prerequisite: ENGR 211 or equivalent.