

ENGR - ENGINEERING

ENGR 100 - Introduction to Engineering Design **Units: 3**

This course is an overview of engineering practice and provides exposure to the environment in which engineers work. The course introduces the design process including initial conceptualization (sketching), detailed drawings (drafting), and prototype fabrication (machine shop). Learning to work as part of an engineering team is a central part of this course.

Term Offered: Spring and Fall

ENGR 110 - Introduction to Renewable Energy **Units: 3**

This course is designed to give the student basic knowledge in the following areas of solar energy: history, sun movement, climatological data for Reno, Nevada; energy reflection, transmission and absorption, heat transfer, heat storage, collector systems and sizing.

Term Offered: Spring and Fall

ENGR 241 - Statics **Units: 3**

Static force systems. Topics include resolution and composition of forces, equilibrium of force systems, friction, centroids, moments of inertia, cables, beams, fluid statics, work. Same as ME 241.

Enrollment Requirements: Prerequisites: PHYS 180 and Co or prerequisite: MATH 182.