

## CORE CLASSES

Course Code	Course Title	Fall	Spring	Summer
-------------	--------------	------	--------	--------

EML 3022

	stress analysis and vibrations. The Team-Project-Time Approach.			
EML 4312	<p><b>Mechanical Controls</b>  <b>PR: EGN 3321, EGN 3373, EML 3041</b>  Introduces the concept of dynamic systems. Modeling of dynamic systems. Laplace Transforms. Transfer Functions. Block Diagrams. Characteristic equation. Time response of first and second order systems. Stability of dynamic systems. Routh stability criterion. Frequency response of dynamic systems. Polar plots and Bode plots. Introduction to state space model.</p>	X	X	