

EML 4730L ó MECHANICAL ENGINEERING LABORATORY
Common Course Syllabus

Catalog Data: 3 Credits, Experimental work related to heat transfer, fluid mechanics, mechanical systems, materials and solid mechanics.

Course Objectives: This course is designed to have students perform laboratory experiments in xctkqu'ctgcu"qh'o gej cplēcn'gpi kpggtkpi "vq'tgkphqteg"eqpegr w'r tgugpvgf "kp'yj g'F gr ctvo gpwū'eqtg" courses. Students will work with pre-arranged experiments and new experimental setups they design in the class. They will collect experimental results and analyze and interpret the data. In addition to discussion on the experiments, class lectures will cover topics such as: Design of experiments, Statistics, Filtering and Errors analysis.

Prerequisites:

1. Experimental Methodology ó