

# MEEG 301: Systems Dynamics

Explore mathematical modeling of physical systems such as mechanical, fluidic, thermal and/or electrical elements. Students are provided with background in the fundamentals of classical system dynamics and control theory. The programming language such as MATLAB is used for solving complex problems in these areas. Introduction to modern control theory, block diagrams, classical feedback control, and their application to practical electro-mechanical and aerospace problems.

**Credits:** 3

**Prerequisites/Permissions:**

CIEG 302, MATH 159, MEEG 207

**Program:**

## Mechanical Engineering

### COURSE DESCRIPTIONS