

## M E 543: Linear Systems and Controls

Investigating how to model, analyze, and control linear dynamical systems such as a robotic arm or an inverted pendulum. Topics include state-space systems, dynamical systems, matrix exponential, eigenvalue tests, Lyapunov functions, controllability and observability.

3 Credits

## Prerequisites

• Pre-requisite: Engr 330 or El E 351 or El E 431 or Graduate Standing.

## Instruction Type(s)

Lecture: Lecture for M E 543

## **Subject Areas**

Mechanical Engineering

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

