

TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Mechanical Engineering

RE: ME 43500 Dynamical Systems – Permanent course number

The Undergraduate Curriculum Committee of the School of Mechanical Engineering has approved a permanent course number (ME 43500) for the course “Dynamical Systems.” The action is now submitted to the Engineering Faculty with a recommendation for approval.

ME 43500 Dynamical Systems (cr: 1).

Prerequisites: MA 303 and ME 365

This course introduces the modeling and analysis of dynamical systems providing the tools for problem-solving of complex mechanical, electromechanical, and aerospace systems. The course focuses on providing a unified approach to derive equations of motion of diverse linear systems the solution of which can be obtained in generic fashion. The course is designed to draw from differential equations, dynamics, and control systems courses, thereby unifying seemingly diverse concepts and tools under the dynamical systems umbrella.

Reason: This course is required for the Concentration in Dynamical Systems Modeling & Analysis for BSME, which was recently approved by the Engineering Curriculum Committee (EFD 43-25). In the concentration, the course is currently listed with a temporary number (ME 49601). The registrar’s office asked us to obtain a permanent number before they can approve the concentration in Curriculog.



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