

Course Requisite Change EFD Template



College of Engineering

Engineering Faculty Document No.:

EFD# 50-26

October 15, 2025

TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

RE: Requisite Changes to ME 54255 Motorsports Veh Dynamis Fund

The Faculty of the School of Mechanical Engineering has approved the following requisite changes to a graduate course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

Description Change for ME 54255 Motorsports Veh Dynamics Fund:

Underline the changes to be made.

From:

Credit Hours: 3.00. Vehicle dynamics is the study of behavior of vehicles in motion. The study is one of the most important activities in the Vehicle design and development cycle to design vehicles which drive well and are comfortable to ride in. The course focuses on the development of advanced mathematical engineering models that represent the behavior of automotive vehicles and vehicle subsystems. Topical emphasis is focused on rectilinear performance, steady state handling behavior, tire models and suspension models.

To:

Credit Hours: 3.00. Vehicle dynamics is the study of behavior of vehicles in motion. The study is one of the most important activities in the vehicles design and development cycle. The course focuses on the development of advanced mathematical engineering models that represent the behavior of automotive vehicles and vehicle subsystems. Topical emphasis is focused on rectilinear performance, steady state handling behavior, tire models and suspension models.

Requisite Change for ME 54255 Motorsports Veh Dynamics Fund

Underline the changes to be made.

FROM:

None

TO:

Requisites: ME 27400 or Equivalent, Course is not eligible for MSPE students who have completed MSPE 47200

Registration Restriction Change for ME 54255 Motorsports Veh Dynamics Fund

FROM:

None

TO:

MSPE-BSMTE, ME-MEME-MSPE or department approval

RATIONALE:

The updates above more accurately reflect the course and background needed to be successful in the course.



Dr. Eckhard A. Groll

William E. and Florence E Perry Head of the School of Mechanical Engineering

Link to Curriculog entry:

<https://purdue.curriculog.com/proposal:34380/form>