TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Mechanical Engineering

RE: MSPE 41400 Motorsports Design II – Change in Requisite and Course Description

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

From:
Prerequisites:
MSPE 32000 Motorsports Design I
MSPE 47200 Vehicle Dynamics

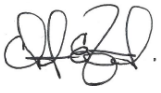
To:
Prerequisites:
MSPE 32000 Motorsports Design I
Co-requisites:
MSPE 48200 Motorsports Aerodynamics

Reason: In the transition of the Motorsports Program from IUPUI to the School of ME, Purdue University, the co-requisite of MSPE 48200 Motorsports Aerodynamics was clerically dropped. Additionally, MSPE 47200 Vehicle Dynamics is a prerequisite for MSPE 48200 Motorsports Aerodynamics therefore the material knowledge from MSPE 47200 as utilized in MSPE 41400 is satisfied.

From:
Course Description:
This is the culminating course in the Motorsports Engineering Plan of Study, tying together concepts from all the other courses in the curriculum, and requires a capstone design project representative of a real-world project with the Motorsports Industry. Credits**:** 3.0

To:
Course Description:
Application of the design process to the design of automotive or motorsports systems or subsystems. Evolution of the design process are emphasized from analytical design, conceptual design, core design, and detail design. As the culmination course in the Motorsports Engineering Plan of Study each design project requires students to tie together concepts from all the other courses in the curriculum.

Reason: The new course description better aligns the evolution of the learning outcomes of the course to the feedback from alumni, industry partners, and members of the motorsports Industry Advisory Board.



1/15/2025

Christopher E Finch, Professor of Practice and Site Director Motorsports Engineering
School of Mechanical Engineering