

TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Mechanical Engineering
RE: MSPE 48200 Motorsports Aerodynamics

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:

ME 30800 Fluid Mechanics

MSPE 35000 Computer Aided Design and Manufacturing

To:

Prerequisites:

ME 30800 Fluid Mechanics

MSPE 35000 Computer Aided Design and Manufacturing

MSPE 47200 Vehicle Dynamics

Reason: Clerical errors occurred when the course was transitioned from IUPUI to the School of ME, Purdue University. MSPE 47200 was a prerequisite for the class and was dropped in the transition. Reinstating the prerequisite is consistent with the requirements of the old plan of study.

From:

Course Description:

Study of fluid flow and aerodynamics as applied to race car design and Computational Fluid Dynamics (CFD) Analysis. Credits: 3.00

To:

Course Description:

A focused introductory course into the study of aerodynamics principles as applied to automotive and motorsports vehicles. Broad range of topics introduce students to the complexity of fluid flow in and around the vehicle. Analytical methods including Computational Fluid Dynamics are utilized to emphasize key aerodynamics principles taught in the course. Credits: 3.00

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.



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School of Mechanical Engineering