

TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

RE: Deletion of ME 30900 Fluid Mechanics

The Faculty of the School of Mechanical Engineering has approved the following deletion of ME 30900 since it has now been replaced by ME 30800 (3 cr Lecture) and ME 30801 (1 cr Lab). This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM:

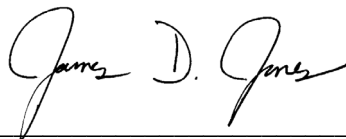
ME 30900 Fluid Mechanics, Sem. 1, 2, Lecture 1, Lab prep 1, Lab 1, cr. 4. Prerequisites: ME 20000, ME 26300, ME 27400, MA 26200, or MA 26500 and MA 26600, or MA 35000 and MA 36000 or equivalents.

Continuum, velocity field, fluid statics, manometers, basic conservation laws for systems and control volumes, dimensional analysis. Euler and Bernoulli equations, viscous flows, boundary layers, flow in channels and around submerged bodies, one-dimensional gas dynamics, turbomachinery.

TO:

Deletion of Course

Reason: The lab component of the course has been split into a separate 1 cr course ME 30801 Fluid Mechanics Laboratory to allow for better enrollment load balancing in the existing ME undergraduate laboratory facilities. The material covered in ME 30800 (3 cr) Fluid Mechanics lecture course does not change, and the material covered in ME 30801 (1 cr) Fluid Mechanical Laboratory remains the same as the current laboratory component of the current/existing ME 30900 (4 cr) Fluid Mechanics lecture and laboratory course. Thus, ME 30900 (4 cr) is no longer required and needs to be deleted.



James D. Jones, Associate Professor and Associate Head
School of Mechanical Engineering