TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

DATE: August 29, 2000

RE: ME 309 Course Description Changes

The Faculty of the School of Mechanical Engineering has approved the following change in course title and description effective Spring Semester 2001. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM:
ME 309 Fluid Mechanics Sem. 1 and 2. Class 3, problem 1, lab. 2, cr. 4. Prerequisite: ME 263, differential equations, dynamics, and a first course in thermodynamics.

Continuum, velocity field, fluid statics, 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.

TO:
ME 309 Fluid Mechanics Sem. 1 and 2. Class 3, problem 1, lab. 2, cr. 4. Prerequisite: ME 263, differential equations, dynamics, and a first course in thermodynamics.

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.

REASON: The updated description more accurately describes the current content of the course. The changes represent some slight changes in emphasis because of the evolution of the course. Specifically, "manometers" and "turbomachinery" are covered in the course.

E. Daniel Hirleman

E.D. Hirleman, Head
School of Mechanical Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE COMMITTEE ON
FACULTY RELATIONS

CFR Minutes #929

Date 10/11/00

Chairman CFR C. D. Sutton