

TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

DATE: August 23, 2000

RE: ME 452 Course Description Changes

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

FROM:

ME 452 Machine Design II Sem. 1 and 2. Class 3, cr. 3. Prerequisite: ME 352.

Design and analysis of mechanical systems, based on critical studies of high-performance machinery. Application of design fundamentals to mechanical components, and integration of components to form systems. Advanced techniques, such as optimization and finite-element analysis.

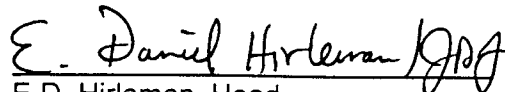
TO:

ME 452 Machine Design II Sem. 1 and 2. Class 3, cr. 3. Prerequisite: ME 352.

Design and analysis of mechanical systems for fluctuating loading. Fatigue analysis. Application of design fundamentals to mechanical components, and integration of components to form systems.

REASON: The updated description more accurately describes the current content of the course. The changes are largely editorial with some slight changes in emphasis because of the evolution of the course. Specifically, finite element methods are no longer covered in the course and fatigue analysis is addressed.

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


E.D. Hirleman, Head
School of Mechanical Engineering

CFR Minutes #929

Date 10/11/00

Chairman CFR C.D. Sutton