

**TO:** The Engineering Faculty

**FROM:** The Faculty of the School of Mechanical Engineering

**DATE:** August 23, 2000

**RE:** ME 274 Course Description Changes

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

**FROM:**

**ME 274 Basic Mechanics II** Sem. 1 and 2. SS. Class 3, cr. 2–3. Hours and credits to be arranged for each school. Prerequisite: three credit hours of ME 270 or equivalent; corequisite: MA 262.

Review and extension of particle motion to include energy and momentum principles. Planar kinematics of rigid bodies. Kinetics for planar motion of rigid bodies, including equations of motion and principles of energy and momentum. Introduction to three-dimensional kinematics and kinetics of rigid bodies. Introduction to linear vibrations, with emphasis on single-degree-of-freedom systems.

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**ME 274 Basic Mechanics II** Sem. 1 and 2. SS. Class 3, cr. 2–3. Hours and credits to be arranged for each school. Prerequisite: three credit hours of ME 270 or equivalent; corequisite: MA 262.

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**REASON:** "Three dimensional kinetics" is no longer covered in ME 274. In its place the emphasis in linear vibrations has been expanded.

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

E. Daniel Hirleman / JDF  
E.D. Hirleman, Head  
School of Mechanical Engineering