

**TO:** The Engineering Faculty

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

**DATE:** August 23, 2000

**RE:** ME 413 Course Description Changes

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

**FROM:**

**ME 413 Noise Control** Sem. 2. Class 3, cr. 3 (el.). Prerequisite: differential equations and basic physics.

Fundamentals: acoustic waves, reflection, scattering, absorption, tones, noise. Psychoacoustics: voice, ear, theories of hearing, loudness, deafness. Environmental acoustics: sound in buildings, acoustic tiles, sound insulation, sound absorption. Measurement: microphones, accelerometers, sound level meters, data taking, and reduction. Noise control: use of absorbing and damping materials; vibration isolation and enclosures. Machinery noise: gear, bearing, fan, compressor, heating and ventilating system noise, automobile and aircraft noise. Community reaction. Legal aspects. Professors Bernhard and Bolton.

**TO:**

**ME 413 Noise Control** Sem. 2. Class 3, cr. 3. Prerequisite: differential equations and basic physics.

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**REASON:** The course description has been updated to better describe the content covered in the class. The elective course designation "(el.)" will also be deleted because it is inconsistent with the rest of the Undergraduate Catalog. Also, the faculty listing is being deleted from the undergraduate course description as recommended by the Committee on Faculty Relations for all undergraduate courses.

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

*E. Daniel Hirleman*  
E.D. Hirleman, Head  
School of Mechanical Engineering

CFR Minutes # 929

Date 10/11/00

Chairman CFR C.D. Lutton