

TO: The Engineering Faculty
FROM: The Faculty of the School of Electrical and Computer Engineering
RE: Changes in Course Description of ECE 552

The faculty of the School of Electrical and Computer Engineering has approved the following course changes. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From:

ECE 552 Introduction to Lasers
Sem. 2. Class 3, cr. 3.
Prerequisite: ECE 311

An introduction to lasers and laser applications which does not require a knowledge of quantum mechanics as a prerequisite. Topics include: the theory of laser operation, some specific laser systems, non-linear optics, optical detection, and applications to optical communications, holography, laser-driven fusion, and integrated optics.

To:

ECE 552 Introduction to Lasers
Sem. 2. Class 3, cr. 3.
Prerequisite: ECE 311

Introduction to lasers and laser applications. Topics include: Theory of optical cavities and laser operation, and applications of this theory to several specific laser systems. Knowledge of quantum mechanics is not a prerequisite.

Reason: The proposed course description better reflects the updated content of the course.

Mark J. T. Smith
Professor and Head