

May 3, 2007

TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Electrical and Computer Engineering

RE: Deletion of ECE 681

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

ECE 681 Discrete Event Systems

Sem. 1. Class 3, cr. 3. (Offered in alternate years.)

Prerequisite: ECE 302, ECE 580. Authorized equivalent courses or consent of instructor may be used in satisfying course pre- and co-requisites.

Presents models and tools for the design and analysis of discrete event systems, which are dynamic systems that evolve in accordance with the occurrence of events at discrete instants of time. Topics include: deterministic and stochastic models of discrete event systems, supervisory control, simulation, gradient estimation, stochastic optimization methods, and hybrid systems. Application examples in communication/computer networks, real-time computer systems, and manufacturing systems are provided. Topics for further research also are considered.

Reason: Course has not been taught for an extended period of time. Course content has been deleted from the curriculum.

Mark J.T. Smith

Professor and Head