TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Industrial Engineering

RE: Change to IE 58100 prerequisite

From: IE 58100 – Simulation Design and Analysis
Term Offered: Spring; Lecture 3, Cr. 3

Prerequisites: Graduate Standing or Junior/Senior standing and CS 15600 and IE 33000 and IE 33600
Description: An introduction to simulation of stochastic systems on digital computers. Emphasis is on the fundamentals of simulation as a statistical experiment. Topics include uniform random numbers, input modeling, random variate generation, output analysis, variance reduction, and optimization. Typically offered Spring.

To: IE 58100 – Simulation Design and Analysis
Term Offered: Spring; Lecture 3, Cr. 3

Prerequisites: Graduate Standing or Junior/Senior standing and CS 15900 and IE 33000 and IE 33600
Description: An introduction to simulation of stochastic systems on digital computers. Emphasis is on the fundamentals of simulation as a statistical experiment. Topics include uniform random numbers, input modeling, random variate generation, output analysis, variance reduction, and optimization. Typically offered Spring.

Reason: The current prerequisites for IE 58100 do not reflect the changes in the Computer Science course numbering.

Abhijit Deshmukh
Professor and Head
School of Industrial Engineering
### Course Description

An introduction to simulation of stochastic systems on digital computers. Emphasis is on the fundamentals of simulation as a statistical experiment. Topics include uniform random numbers, input modeling, random variate generation, output analysis, variance reduction, and optimization.

**Restrictions:** Graduate OR Junior OR Senior classification

**Prerequisites:** Graduate OR (CS 15900 (minimum grade of D-) AND IE 33000 (minimum grade of D-) AND IE 33600 (minimum grade of D-))