TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Industrial Engineering

RE: Change to IE 55900 prerequisite

From: IE 55900 – Cognitive Engineering of Interactive Software
Term Offered: Spring; Lecture 3, Cr. 3

Prerequisites: Graduate Standing or Junior/Senior standing and CS 15600 and IE 33000
Description: (PSY 55500) Theory and applications of software design to improve productivity and job satisfaction on information processing and cognitive tasks in the work place. Human information processing models and cognitive theories will be used to provide a theoretical basis for how to choose and display information to the user. Other topics include user-friendly displays and empirical approaches to software design. Applications of the design theory are stressed by class projects. Typically offered Spring.

To: IE 55900 – Cognitive Engineering of Interactive Software
Term Offered: Spring; Lecture 3, Cr. 3

Prerequisites: Graduate Standing or Junior/Senior standing and CS 15900 and IE 33000
Description: (PSY 55500) Theory and applications of software design to improve productivity and job satisfaction on information processing and cognitive tasks in the work place. Human information processing models and cognitive theories will be used to provide a theoretical basis for how to choose and display information to the user. Other topics include user-friendly displays and empirical approaches to software design. Applications of the design theory are stressed by class projects. Typically offered Spring.

Reason: The current prerequisites for IE 55900 do not reflect the changes in the Computer Science course numbering.

Abhijit Deshmukh
Professor and Head
School of Industrial Engineering
### Proposed Course Information

**Subject Abbreviation:** IE  
**Course Number:** 55900

**Course Title:** Cognitive Engineering Of Interactive Software

**COURSE ATTRIBUTES:**
- **Credit:** 3
- **Variable Credit Range:**
  - Minimum Credit Hours: [ ]
  - Maximum Credit Hours: [ ]
- **Credit by Examination:** [ ]
- **Offered during:** Fall, Spring, Summer

**COURSE DESCRIPTION:** Theory and applications of software design to improve productivity and job satisfaction on information processing and cognitive tasks in the workplace. Human information processing models and cognitive theories will be used to provide a theoretical basis for how to choose and display information to the user. Other topics include user-friendly displays and empirically based approaches to software design. Applications of the design theory are stressed by class projects.

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

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