1. I SY E 321, Simulation Modeling Laboratory
2. Credits: 1 Contact Hours: 0.8

a. Other Supplemental Materials: None

- Specific Course Information:

a. Brief description of the content of the course (Course Catalog Description): Computer exercises involving generation and analysis of random variables, spreadsheet models of queuing systems, use of simulation software packages. Project.
b. Pre-requisites or Co-requisites: Con reg in IE 320 or cons inst
c. This is a Required course.

- Specific Goals for the Course:

a. Course Outcomes:

1. To gain hands-on experience in the use of simulation tools.

- ABET Student Learning Outcomes:

(a) Ability to apply mathematics, science and engineering principles.
(b) Ability to design and conduct experiments, analyze and interpret data.
(d) Ability to function on multidisciplinary teams.
(e) Ability to identify, formulate and solve engineering problems.
(g) Ability to communicate effectively.
(k) Ability to use the techniques, skills and modern engineering tools necessary for engineering practice.

- **Brief List of Topics to be Covered:**