

Course Syllabus

GE 100: Introduction to ISE

Fall 2016, W 4:00-4:50 pm, 103 Talbott Labs

Instructor: Prof. Girish Krishnan (gkrishna@illinois.edu msl.ise@illinois.edu)

TA: Sreeshankar Satheeshbabu (sthshbb2@illinois.edu) and Sanjana Jain (sjain49@illinois.edu)

Office Hours:

- **Professor Krishnan:** Mondays 2:00 pm - 4:00 pm am, TB 314
- **Sreeshankar Satheeshbabu (Sree):** Mon 12 noon -1 pm, TB Basement Room 17

Course Objectives:

- Introduce students to the range of technical topics that can be studied within the ISE department.
- Help students develop their own vision for their educational trajectory.
- Help students experience the connection between fundamental math and science topics and real-world engineering problems.

Course Topics:

Introduction to the ISE department, Control Systems, Design and Manufacturing, Operations Research, Financial Engineering, Senior Design Courses, and ISE department Undergraduate advising

Grading:

GE 100 is a one credit course, The one credit is based on participation in in-class activities, group projects, homework assignments, and lab activities. There are no exams in GE 100.

Important: GE 100 has four segments representing the major research areas of the department. Each segment has an in-class activity section and a homework assignment section. The homework assignment section will be administered through compass 2g.

Website for the course: **compass**

Schedule:

Be sure to consult the compass page for detailed due dates for assignments and activities.

Date	Activity	Homework
9/21/16	Introductory Lecture	Online Homework will be posted: Due 9/28
9/28/16	Control Systems Lecture and Activity Introduction	
10/5/16	Control Systems Activity	Online Homework will be posted: Due 10/14
10/12/16	Guest Lecture by Heidi Craddock	
10/19/16	Operations Research Lecture and Tutorial	Online Homework will be posted: Due 10/28
10/26/16	Operations Research Activity	
11/2/16	Guest Lecture Harry Wildblood	
11/09/16	Design and Manufacturing Tutorial	Online Homework will be posted: Due 12/2
11/16/16	Design and Manufacturing Activity	
12/30/16	Financial Engineering	Online Homework will be posted: Due 12/9
12/7/16	Financial Engineering Activity and wrap up	Online Homework will be posted: Due 12/12