

# 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](mailto:gkrishna@illinois.edu) [msl.ise.illinois.edu](http://msl.ise.illinois.edu))

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## 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.

| <b>Date</b> | <b>Activity</b>                                   | <b>Homework</b>                           |
|-------------|---|---|
| 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    | <b>Guest Lecture by Heidi Craddock</b>            |   |
| 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     | <b>Guest Lecture Harry Wildblood</b>              |   |
| 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 |