

SE100: Introduction to ISE

Time & Place: Wednesday 4:00pm–5:00pm
Materials Science 100

Instructor: Jeff Shamma
jshamma@illinois.edu

Office Hours: Monday 3:00pm–4:00pm

TA: Ginikachi Anyene
ganyene2@illinois.edu

TA Office Hours: To be announced

Course objectives: Introduce students to the range of technical topics in ISE.
Help students develop their own vision for their educational trajectory.
Illustrate the connection between fundamental math and science topics and engineering applications.

Course structure: SE100 is a one credit course. The one credit is based on participation in classroom activities, group projects, homework assignments, and lab activities. There are no exams in SE100.

SE100 has multiple segments representing an area of ISE. Each segment has an in-class activity and a homework assignment.

All homework assignments and communications will be administered with Canvas.

Modifications: The instructor reserves the right to modify any and all parts of this syllabus throughout the semester. Any modifications will be announced to the students and posted on Canvas.

Schedule

	Date	Topic	Detail
Week 1	08/24	Introduction	HW due: 8/31
Week 2	08/31	Decision & Control Lecture	Speaker: Jeff Shamma
Week 3	09/07	Decision & Control Activity	HW due: 9/14
Week 4	09/14	Data Analytics Lecture	Speaker: Rich Sowers
Week 5	09/21	Data Analytics Activity	HW due: 09/28
Week 6	09/28	Advising	Speaker: Heidi Craddock
Week 7	10/05	Senior Design	Speaker: Tom Titone
Week 8	10/12	TBD	
Week 9	10/19	Design Lecture	Speaker: Molly Goldstein
Week 10	10/26	Design Activity	HW due: 11/02
Week 11	11/02	Operations Research Lecture	Speaker: Lavanya Marla
Week 12	11/09	Operations Research Activity	HW due: 11/16
Week 13	11/16	TBD Lecture	
Week 14	11/23	Fall Break	
Week 15	11/30	TBD Activity	HW due: 12/07
Week 16	12/07	TBD	

Campus Policies

Covid: Please visit: <https://covid19.illinois.edu/on-campus/on-campus-instructors/#responsibilities>

Emergency Response Recommendations: Emergency response recommendations can be found at the following website:

<http://police.illinois.edu/em/>

You are encouraged to review this website and the campus building floor plans website within the first 10 days of class:

<http://police.illinois.edu/em/building-emergency-action-plans/>

Academic Integrity: Students are expected to adhere to the Student Code:

<http://studentcode.illinois.edu>

and in particular, *Article 1, Part 4: Academic Integrity and Procedure*.

Academic dishonesty will result in a sanction proportionate to the severity of the infraction, with possible sanctions described in 1-404 of the Student Code (<https://studentcode.illinois.edu/article1/part4/1-404/>). Every student is expected to review and abide by the Academic Integrity Policy as defined in the Student Code: <https://studentcode.illinois.edu/article1/part4/1-401/>. As a student it is your responsibility to refrain from infractions of academic integrity and from conduct that aids others in such infractions. A short guide to academic integrity issues may be found at <https://provost.illinois.edu/policies/policies/academic-integrity/students-quick-reference-guide-to-academic-integrity/>. Ignorance of these policies is not an excuse for any academic dishonesty. It is your responsibility to read this policy to avoid any misunderstanding. Do not hesitate to ask the instructor(s) if you are ever in doubt about what constitutes plagiarism, cheating, or any other breach of academic integrity.

In this course you are expected to produce your own work in all assignments. Written assignments will be submitted through SafeAssign, a software tool that compares your writing against a large database as well as to the work of your current classmates and previously submitted assignments. Assignments with close matches to other work will be flagged and investigated.

Religious Observances: In the case of missed activity for religious observations, students should complete the *Request for Accommodation for Religious Observances* form:

https://cm.maxient.com/reportingform.php?UnivofIllinois&layout_id=19

Please make requests for absence letters as early as possible in the semester.

Privacy & FERPA: Any student who has suppressed their directory information pursuant to Family Educational Rights and Privacy Act (FERPA) should self-identify to the instructor to ensure protection of the privacy of their attendance in this course. See

<https://registrar.illinois.edu/academic-records/ferpa/>

for more information on FERPA.

Accommodations: To obtain disability-related academic adjustments and/or auxiliary aids, students with disabilities must contact the course instructor and the as soon as possible. To ensure that disability-related concerns are properly addressed from the beginning, students with disabilities who require assistance to participate in this class should contact Disability Resources and Educational Services (DRES) and see the instructor as soon as possible. If you need accommodations for any sort of disability, please speak to me after class, or make an appointment to see me or see me during my office hours. DRES provides students with academic accommodations, access, and support services. To contact DRES you may visit 1207 S. Oak St., Champaign, call 333-4603 (V/TDD), or e-mail disability@illinois.edu. For more information, please visit:

<http://www.disability.illinois.edu/>

Misconduct Reporting: The University of Illinois is committed to combating sexual misconduct. Faculty and staff members are required to report any instances of sexual misconduct to the University's Title IX and Disability Office. In turn, an individual with the Title IX and Disability Office will provide information about rights and options, including accommodations, support services, the campus disciplinary process, and law enforcement options.

A list of the designated University employees who, as counselors, confidential advisors, and medical professionals, do not have this reporting responsibility and can maintain confidentiality, can be found here:

<http://wecare.illinois.edu/resources/students/#confidential>

Other information about resources and reporting is available here:

<http://wecare.illinois.edu>