

Introduction to Innovation, Leadership, and Engineering Entrepreneurship

TE 100, University of Illinois at Urbana-Champaign

1 credit hour

Course Purpose

The purpose of this course is to enhance your innovation leadership skills and gain a deeper understanding of the innovation and entrepreneurship ecosystem at the University of Illinois.

Course Questions

1. What is innovation, leadership, and **innovation leadership**?
2. Who are some innovation leaders and what are some of their defining **attributes**?
3. What **skills** are important to innovation leadership and which would you like to enhance?
4. What innovation and entrepreneurship **resources** are available through TEC and on campus?

Course Objectives and Topics

As a result of this course, you will be able to:

1. Define innovation, leadership, entrepreneurship, and innovation leadership.
2. Identify several innovation leaders, past and present, and identify their defining attributes or skills. Determine which skills are most important to you. Select one or more innovation leaders as role model(s) and, as possible, mentor(s).
3. Identify resources and opportunities on campus and in Champaign-Urbana through which you can practice innovation leadership.
4. Innovate, and use a model for innovation.
5. Lead, and use a model for leadership.
6. Complete a team project to identify and pitch a compelling problem, reframed as an opportunity, with a wide range of innovative solution directions.

Course Description

You will learn about innovation, including how to have ideas and bring them to be, and about leadership, including seeing what needs to be done and initiating action. You will learn about innovation leaders past and present, and you will select role models and mentors that inspire your own growth as an innovation leader. You will learn about entrepreneurship and how it is one path for innovation. You will reflect on introducing innovation leadership into your academic, professional, and extracurricular experiences in the years ahead. Finally, you will work with a diverse team to identify candidate problems for innovation and pitching the problem and potential solutions to the rest of the class.

Course Philosophy

This course advocates for your development of vital skills that can be enhanced by learning. You enhance your skills by becoming proficient with a set of *techniques*, developing a *mindset* that favors innovative behaviors, and by establishing a *lifestyle* that promotes seeing what is needed, having ideas and bringing them to be. For many students this learning happens best in an environment of

acquiring knowledge, practicing applications, and receiving feedback, analysis, and evaluation. It is expected that you will attend every class, participate in discussions and activities, and complete the assignments to the best of your ability.

Ethics and Integrity

We expect you to uphold the highest ethical standards, to be honest, and to practice academic integrity. This includes doing original work and citing sources, including the work of other students. Please give special care to prepare high-quality submissions with proper grammar and spelling.

Technology Policy

The use of laptops, tablets, electronic handheld devices, music players, and phones are *strictly prohibited* in class, except for presentations and designated small group work activities.

Accommodations

To obtain disability-related accommodations for this class, students with disabilities are advised to contact the course instructor and the Division of Disability Resources and Educational Services (DRES) as soon as possible. Please contact the instructor after class, during regularly posted office hours, by phone, or by email to discuss your needs. To contact DRES you may visit 1207 S. Oak St., Champaign, call 333-4603 (V/TDD), or e-mail a message to disability@uiuc.edu.

Course Management System

We will use Compass 2g (compass.illinois.edu) for posting documents and submitting assignments.

Instructor

Keilin Jahnke (deahl1@illinois.edu)

Office Hours

Before and after class and by appointment

