

Spring 2024 Engineering Leadership

EG 60501 Syllabus

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COURSE DESCRIPTION

Leveraging the learnings from the Engineering Discernment for Graduate Studies course (EG 60500), this course will begin to enhance graduate student's leadership capabilities as they begin to prepare for their permanent career choices. It will cover various leadership styles, management frameworks, emotional intelligence, project leadership, motivating your employees and many other relevant leadership topics through a combination of lectures, case studies and guest speakers. Each student will also personally assess their own emotional intelligence and leadership style through the use of best-in-class, industry assessment tools. After completing this course, you will be better positioned to know what “Leading Like a Champion” really embodies.

LEARNING OUTCOMES

Upon successful completion of EG 60501 students will have achieved the following educational objectives:

1. Learn the tools and techniques required to become an effective leader.
2. Learn how to create and deliver effective business presentations.
3. Learn about the criticality of emotional intelligence skills and how they directly support one's leadership competency and effectiveness.
4. Apply learnings through the analysis of a real-world case study regarding an engineering ethical dilemma.

ASSIGNMENTS

1. Complete personal assessments on emotional intelligence and leadership styles.
2. Create personal action plan leveraging the key takeaways from the course.

EXPECTATIONS

1. Attend every class.
2. Be on-time.
3. Prepare for each class by reviewing the lecture material in advance.
4. Engage throughout the course.
5. Complete all assignments on time.
6. Respect one another.

☑ ***Practice Becoming a Professional***

READINGS

“Why Did The Boeing 737 Max Crash?”, <https://perell.com/essay/boeing-737-max/> (located in Canvas)

EVALUATION

Pass/Fail

HONOR CODE:

Notre Dame students are expected to abide by Academic Code of Honor Pledge. "As a member of the Notre Dame community, I will not participate in or tolerate academic dishonesty."
(<http://honorcode.nd.edu>).

CLASS SCHEDULE

<u>Class #</u>	<u>Date</u>	<u>Topic</u>
1	01/30	Welcome, Introduction to Leading Like Champions
2	02/06	Emotional Intelligence (with Personal Assessment)
3	02/13	Preparing and Delivering Effective Presentations
4	02/20	4 Leadership Personality Profiles - DISC Model
5	02/27	Project Leadership Best Practices
6	03/05	6 Leadership Styles (with Personal Assessment)
7	03/26	Boeing 737 Max Case Study: Integrity and Doing What's Right
8	04/02	Guest Speaker – Leadership Best Practices
9	04/09	Workplace Practices: How do be successful from day 1 and beyond
10	04/16	Personal Action Plan and Wrap-up

INCLUSIVENESS:

The University of Notre Dame is committed to social justice. We share that commitment and strive to maintain a positive learning environment based on open communication, mutual respect, and non-discrimination. In this class we will not discriminate on the basis of race, sex, age, economic class, disability, veteran status, religion, sexual orientation, color or national origin.

MENTAL HEALTH:

Diminished mental health can interfere with optimal academic performance. The source of symptoms might be related to your course work; if so, please speak with Todd or Mike. However, problems with other parts of your life can also contribute to decreased academic performance. The University Counseling Center (UCC) provides cost-free and confidential mental health services to help you manage personal challenges that threaten your emotional or academic well-being. Remember, getting help is a smart and courageous thing to do — for yourself and for those who care about you. For more resources, please see ucc.nd.edu.

ACCESSIBILITY:

Any student who has a documented disability and is registered with Sara Bea Accessibility Services should speak with the professor as soon as possible regarding accommodations. Students who are not registered should contact the Sara Bea Accessibility Services as soon as possible since accommodation typically needs to be arranged well in advance. <https://supportandcare.nd.edu/>

PRIVACY PRACTICES IN THIS COURSE:

Course materials (videos, assignments, problem sets, etc.) are for use in this course only. You may not upload them to external sites, share with any person outside of this course, or post them for public commentary without my written permission. We are recording class meetings to support remote learning and to provide everyone in the class with useful study aids. These recordings will be available for review through Canvas. The University strictly prohibits anyone from duplicating, downloading, or sharing live class recordings with anyone outside of this course, for any reason.