INTRODUCTION TO DESIGN THINKING AND INNOVATION IN ENGINEERING (6.9021 [J], 2.7231 [J], 16.6621 [J])

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Introduces students to concepts of design thinking and innovation that can be applied to any engineering discipline. Focuses on introducing an iterative design process, a systems-thinking approach for stakeholder analysis, methods for articulating design concepts, methods for concept selection, and techniques for testing with users. Provides an opportunity for first-year students to explore product or system design and development, and to build their understanding of what it means to lead and coordinate projects in engineering design.