

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

**BECOME A GREATER ENGINEER, INNOVATOR,  
AND DESIGNER!**



**OFFERED FALL 2021 | MONDAYS 7-9PM EDT  
(IN-PERSON) | 3 UNITS**

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.