COURSE DETAIL

ENGINEERING INNOVATION
Country Germany
Host Institution Technical University Berlin
Program(s) Technical University Summer
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Business Administration
UCEAP Course Number 102
UCEAP Course Suffix
UCEAP Official Title ENGINEERING INNOVATION
UCEAP Transcript Title ENGR INNOVATION
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

Engineering Innovation introduces students to the concepts of innovative thinking and innovation practices. Using lectures, case studies, team exercises and guest speakers, the course teaches life skills in innovative thought and action that students can use in careers ranging from starting companies to executing research and development projects in large companies. Students examine the innovator’s mindset and explore the culture of innovation. In a real- work, hands-on way, students learn how to be innovative and understand why innovation is integral to commercial success in the 21st Century’s digital revolution. Innovation strategies and tactics are evaluated from the perspective of ideation; that is, transforming innovative problem-solving ideas into viable solutions that are produced, sold, consumed, and or implemented in society. Students develop an understanding of the importance of innovation – and how innovation is applied. A best practices approach is used to demonstrate how innovators conceive and implement impactful solutions for a variety of problems. Students learn how technology can serve as both a pathway and a roadblock in organizations committed to operating with an innovator’s mandate. Students are taught practical and applicable skills that can be applied in enterprises ranging from startup ventures to Fortune 100 companies.

Language(s) of Instruction
English

Host Institution Course Number

Host Institution Course Title
ENGINEERING INNOVATION

Host Institution Course Details
https://www.tu.berlin/international/summer-school/summer-school/summer-school-o…

Host Institution Campus
TUBS

Host Institution Faculty
Host Institution Degree
Host Institution Department
Course Last Reviewed 2023-2024

Print