

Skill-Builders for Engineering Leaders

Engineering Innovation Module

Engineering Innovation Institute or Leadership Institute Faculty
Herbert Wertheim College of Engineering, University of Florida

Contact Hours	1 hour consisting of a 50-minute session	
Target Audience	Undergraduate and graduate students	
Learning Objectives	Students will be able to learn: <ol style="list-style-type: none"> 1. What skills are required to go on the innovation journey 2. What is innovation and what is the difference between an idea vs innovation 3. What does execution mean and why is it important to innovate successfully 4. The relationship between innovation and leadership 	
Session Overview	Being innovative is a required skill in today's economy and market place. This module explores what innovation means and whether it can be achieved through an intentional process. The module will consist of instructor-provided topical overviews, and participant discussions related to examples and exercises that will assist in accomplishing the learning objectives	
Session		
Key Content	Approach	
What it takes to go on the innovation journey	<ul style="list-style-type: none"> • Review of the skills that are required to innovate successfully • Can these skills be acquired or are we born with them? 	
Definition of Innovation	<ul style="list-style-type: none"> • Myths about innovation • What is an idea vs innovation vs commercialization? Discussion of each of these concepts and the relationship between them 	
Types of Innovators	<ul style="list-style-type: none"> • Definitions of different types of innovators • How can you participate in the innovation process even if you are not the inventor 	
Innovation in different settings	<ul style="list-style-type: none"> • The innovation process at universities • The innovation process in industry 	
Resources Provided <ul style="list-style-type: none"> • Presentation materials. Presentation materials include references to literature and articles. • Reading materials 	Assessments <ul style="list-style-type: none"> • Pre and Post-assessment 	

