

Technical Innovation

COURSE SYLLABUS/SCHEDULE

Notes

- Items below preceded by a star (★) are graded.
- All activities are due at the end of the course.

GET STARTED (30 MINS)

	Content/Activity	Estimated Time
<i>This week you'll take a Pre-Assessment to get a baseline of your understanding of the course material. During this period, you'll become familiar with the platform and course design.</i>	Welcome to the Course	5 min
	Entrance Survey	3 min
	★ Pre-Assessment	10 min
	Getting Started:	
	Syllabus	5 min
	Discussion Forum: Introduce Yourself	5 min
	Course Team	5 min
	Software Requirements and Accesibility	10 min

WEEK 1: INTRODUCTION TO RADICAL INNOVATION (3 HRS 40 MIN)

<i>In week one, you will be introduced to radical innovation. Learn the core features of technical innovation in the modern world and the philosophy and strategies needed in an organization to execute various forms of innovation.</i>	Radical Innovation	30 min
	Applying Radical Innovation	30 min
	Theories of Innovation	30 min
	Technology of Innovation	30 min
	★ Week 1 Scenario Activity	30 min
	★ Week 1 Graded Activity: Peer Review	50 min
	★ Submit Your Response	
	★ Review the Work from Three Peers	10 min

WEEK 2: URGENCY AND SPIRIT OF RADICAL INNOVATION (3 HOURS)

In week two, you will be introduced to how innovation is broken and what can be done to fix it. You'll also explore what could potentially stop an organization from being innovative, known as innovation threats, and how to solve them.

How Innovation is Broken	30 min
Innovation Threats	60 min
★ Week 2: Analyze the Scenario	50 min
★ Week 2: Discussion	30 min

WEEK 3: LEADING IN INNOVATION (3 HOURS)

In week three, you will further explore lean and agile. Topics such as testing, rapid prototyping, and design will all be covered. Additionally, a number of examples from companies will be provided such as Uber, Apple, Tesla, and Google. You'll also learn about the most important elements on how to innovate.

Lean and Agile	60 min
How to Innovate	30 min
★ Week 3 Graded Activity: Peer Review	50 min
★ Week 3 Submit Your Response	
★ Week 3 Review the Work from Your Peer	30 min
★ Post-Assessment	10 min
EXIT SURVEY	10 min