

# Introduction to FMEAs Course Outline

## Lesson 1 | What is an FMEA?

- An overview of what an FMEA is; how the FMEA process works; and why an FMEA is used.

## Lesson 2 | Purpose of an FMEA

- An explanation of how an FMEA helps identify risks, prioritizes the risks relative to one another, and focuses efforts on an action plan to reduce the risks.

## Lesson 3 | Adding-Value with FMEAs

- Six important ways FMEAs add-value.

## Lesson 4 | Types of FMEAs

- An explanation of the differences between a Design-FMEAs, Process-FMEAs and Software-FMEAs.

## Lesson 5 | The FMEA Process

- A preview of the 10 steps used to conduct an FMEA. The same basic steps apply to both a DFMEA and a PFMEA.

## Lesson 6 | Assembling an FMEA Team

- Helpful hints on assembling an effective FMEA team.

## Lesson 7 | Best Practices for Conducting FMEAs

- Six best practices to get the most out of FMEA studies.

## Challenge

- An assessment of the learner's progress in this course.