

Course Description

This course highlights the importance and role of software product management. It also provides an overview of the specialization, as well as its goals, structure, and expectations. The course explains the value of process, requirements, planning, and monitoring in producing better software.

Upon successful completion of this course, you will be able to:

- Relate software product management to better software products
- Recognize the role of a software product manager
- Reflect on how Agile principles will improve your own projects

SOFTWARE PRODUCT MANAGEMENT Specialization

Course I: INTRODUCTION TO SOFTWARE PRODUCT MANAGEMENT

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Module 1 Software Product Management—The Discipline	
Introduction: <b>Specialization Preview</b>	2 minutes
Introduction: <b>Course Difficulty</b>	2 minutes
Course Resources: <b>Introduction to Software Product Management - Course Notes &amp; Glossary</b>	
Lesson 1.1.1: <b>Better Software</b> <i>(Its not just managing people, its creating great products)</i> <ul style="list-style-type: none"><li>Recognize what it means to create better software<ul style="list-style-type: none"><li>List qualities of better software</li></ul></li></ul>	8 minutes
Lesson 1.1.2: <b>Why Software Product Management?</b> <ul style="list-style-type: none"><li>Recognize the importance of SPM and the value in this course</li></ul>	5 minutes
Lesson 1.1.3: <b>The Role of Software Product Manager</b> <ul style="list-style-type: none"><li>Recognize that a SPM is the link between the client and the developers</li></ul>	9 minutes
Lesson 1.1.4: <b>How to be a Better Learner</b> <ul style="list-style-type: none"><li>Determine various learning techniques that will work for you in this specialization</li></ul>	3 minutes
Lesson 1.1.5: <b>Plagiarism</b> <ul style="list-style-type: none"><li>Recognize what is considered plagiarism in this academic environment</li></ul>	2 minutes
Lesson 1.1.6: <b>Specialization Overview</b> <ul style="list-style-type: none"><li>Summarize the general layout of the course<ul style="list-style-type: none"><li>List the four foundational courses</li><li>Summarize the four foundational courses</li><li>Summarize how the foundational courses relate to each other and the capstone</li></ul></li><li>Recognize that participation is a necessary part of the course</li></ul>	7 minutes
Discussion: <b>Introduce Yourself</b> - Similar forum available in each course	
Reading: <b>Module 1: Supplemental Resources</b>	
Module Assessment: <b>Quiz 1 – Graded</b> (4 multiple choice questions) Passing threshold - 75%	
Course weight - 25%	
Discussion: <b>Week 1</b>	

Module 2 Foundations of Software Product Management	
Lesson 1.2.1: <b>Project Success, Why Agile?</b> <ul style="list-style-type: none"><li>Recognize various forms of project success</li><li>Agile as a useful process for project success</li></ul>	7 minutes
Mandatory Reading: <b>There is No Common Definition of Software Development Success - Scott Ambler 2013 IT Project Success Rates Survey Results</b>	
Lesson 1.2.2(A, B, C): <b>Agile Manifesto</b> <ul style="list-style-type: none"><li>Summarize the key concepts of the Agile Manifesto<ul style="list-style-type: none"><li>Summarize the four statements of the Agile Manifesto</li></ul></li><li>Predict how this will relate to the course</li><li>Summarize how the Agile Manifesto relates to software development</li></ul>	19 minutes
Discussion: <b>Your Experience with Agile</b>	
Lesson 1.2.3: <b>Why Process?</b> <ul style="list-style-type: none"><li>Summarize the term <b>process</b></li><li>Summarize the benefits of using processes</li></ul>	6 minutes
Lesson 1.2.4: <b>Why Requirements?</b> <ul style="list-style-type: none"><li>Summarize the term requirement</li><li>Summarize the benefits of using requirements</li></ul>	5 minutes
Lesson 1.2.5: <b>Why Planning?</b> <ul style="list-style-type: none"><li>Summarize the term <b>planning</b></li><li>Summarize the benefits of using planning</li></ul>	6 minutes
Lesson 1.2.6: <b>Why Monitoring?</b> <ul style="list-style-type: none"><li>Summarize the goals of monitoring<ul style="list-style-type: none"><li>Summarize the term <b>monitoring</b></li></ul></li><li>Summarize the benefits of using monitoring</li></ul>	7 minutes
Reading: <b>Module 2: Supplemental Resources</b>	
Module Assessment: <b>Quiz 2 – Graded</b> (8 multiple choice questions) Passing threshold - 70%	
Course weight - 25%	
Course Assessment: <b>Course Final Quiz - Graded</b> (14 multiple choice questions) Passing threshold - 75%	
Course weight - 50%	
Discussion: <b>Week 2</b>	

**NOTE:** The lesson number refers to the course, module, and lesson. For example, lesson 1.2.3 refers to the first course, second module, third lesson.