



AGILE CERTIFICATE

Syllabus

Course Introduction

Purdue University's Agile Certificate online course will provide you with 21 contact hours over five weeks on the topic of Agile project management methodology. Agile project management is gaining momentum across companies and industries. By using agile methods, companies are improving customer satisfaction and ROI. We are pleased to share agile approaches with you and provide you with tools so you can start experiencing the benefits as well. The course content is aligned with the Agile Practice Guide, Project Management Institute, Inc., September 2017.

The content throughout the online course was developed by Subject Matter Experts (SMEs) in project management in collaboration with the highly-experienced Purdue online course development team. The SMEs maintain PMP® certifications and teach project management in corporate and institutional settings. The instruction and facilitation of the course within the online learning management system is completed by a highly-qualified Project Management Professional. There will be ample opportunities for you to interact with your instructor and the other learners in the course. Interaction is possible through discussion boards, emails, and phone appointments.

Course Outcomes

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

- Define agile project management and benefits of using agile approaches
- Summarize the agile mindset and Agile Manifesto and how they both contribute to project success
- Describe how to prepare for an effective agile implementation, including key tools needed for a successful agile approach
- Explain methods used to manage agile projects
- Describe popular agile approaches, including scrum, kanban, and extreme programming
- Explain measurement methods to ensure ongoing success

Prerequisites

This course is a stand-alone course. There are no prerequisites. Familiarity with the Microsoft Office Suite of products (MS Word, MS Excel) is desirable. Familiarity with the terminology of agile project management will put you a step ahead when you start the course.

Textbook

There are two textbooks used for this course: *Agile Practice Guide*, Project Management Institute, Inc., September 2017 (ISBN: 978-1-62825-199-9) and *Agile Project Management: 2 Books in 1: Beginner's Guide & Methodology, The Definitive Guide to Master Scrum, Kanban, XP, Crystal, FDD, DSDM*, January 1, 2020 (ISBN: 9781654040789). You are responsible for obtaining your own copies of both of these textbooks.

Course Outline

- Week One Modules:
 - Introduction
 - Agile vs. Traditional Project Management
 - Agile Mindset
- Week Two Modules:
 - Project Life Cycles
 - Implementation Preparation
- Week Three Modules:
 - Implementing Agile
 - Managing Agile
- Week Four Modules:
 - Scrum
 - Kanban
 - Additional Agile Approaches
- Week Five Modules:
 - Measuring Agile Projects
 - Ensuring Success

Summary of Online Course Activities

- Reading the following textbook: *Agile Practice Guide*, Project Management Institute, Inc., September 2017
- Reading the following textbook: *Agile Project Management: 2 Books in 1: Beginner's Guide & Methodology. The Definitive Guide to Master Scrum, Kanban, XP, Crystal, FDD, DSDM*, January 1, 2020
- Watching lecture videos that cover key topics in course material (available 24 hours a day/7 days a week throughout the 5-week course)
- Completing workbooks for each module, which will facilitate your learning as well as provide a personalized future reference
- Completing five (5) assignments to develop a better understanding of the key concepts, tools, and techniques in this course
- Taking online self-tests and quizzes
- Participating in optional one-on-one coaching via email or through a phone appointment with your instructor

What to Expect Each Week

Each week will consist of two to three modules. For each module, there will be specific learning outcomes and learning activities.

At the end of each week, you will need to complete several activities. Weekly activities will be listed in a table similar to the one below:

ACTIVITIES	ESTIMATED TIME TO COMPLETE
Assignment	60 minutes
Self-test	15 minutes
Quiz	15 minutes

Student Commitment

This online course is designed to meet the requirements of a working professional, but keep in mind that an online learning environment requires an increased level of commitment on your part. Participants will be expected to complete the learning activities each week and assignments by each deadline. Depending on your background and experience with project management, you can expect to commit about 4 to 5 hours of your time per week. The total time required for the course is comparable to a three-day short course conducted in person in a traditional classroom environment.

Course Schedule and Grading

Each week of learning starts on a Wednesday morning and ends the following Tuesday at 11:59 PM (Eastern Time). Note that learning content for all weeks, except Week One, will be available one week before the start date of that week.

To earn a certificate of achievement in Agile Project Management from Purdue University, you need to earn at least 80% of the available points in the course (see the table below for details), and you must submit all of the assignments and quizzes. You also have the option of earning up to 2.1 CEUs (Continuing Education Units) upon successful completion of the Agile Certificate online course.

Points Possible / Points Required

Week	Assignments	Quizzes
Each week of learning begins on Wednesday and ends the following Tuesday at 11:59 PM (Eastern Time).	There are five (5) assignments due throughout the five weeks of the course. Assignments are due by Tuesday at 11:59 PM (Eastern Time) each week.	Quizzes must be completed by the end of each week - Tuesday at 11:59 PM (Eastern Time). You can take each quiz up to three (3) times during the week (your highest score will be saved).
Week 1	10 points	10 points
Week 2	10 points	10 points
Week 3	10 points	10 points
Week 4	10 points	10 points
Week 5	10 points	10 points

Total Points Possible:	100 points
Points Required for Completion:	80 points

Technology Requirements

In this course, you will need:

- Your assigned login and password each time you enter the course.
- Access to a computer (PC or Mac). *Some functions in Brightspace are not as reliable on a mobile device or tablet.*
- A reliable Internet connection (with the ability to stream video).
- An updated browser (e.g., Chrome and Firefox or Safari for Mac).
- Word Processor (i.e., MS Word).
- MS Excel and MS PowerPoint

Discussion Guidelines

You have the option to participate in casual conversation with your peers in this course - to connect, ask questions, and share thoughts. Please follow the following Discussion Guidelines when contributing to discussions in this course. Here are a few of the key points you should remember:

- Keep posts to 250 words or less.
- Do not use offensive language. Present ideas appropriately.
- Be cautious in using Internet language. For example, do not capitalize all letters since this suggests shouting.
- Avoid using vernacular and/or slang language. This could possibly lead to misinterpretation.
- Keep an “open-mind” and be willing to express even your minority opinion.
- Make substantive posts or comments. Avoid comments that do not contribute to the discussion, like “thanks” or “good post.”
- Do not hesitate to ask for feedback.
- Be concise and to the point. Give other students the opportunity to join in the discussion.
- Think and edit before you push the “Send” button.