



## CONTINUING EDUCATION

### Course Outline

# Agile Project Management: Scrum & Kanban

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Many companies use a combination of both traditional and Agile PM methods to implement requirements. Additionally, Agile is a focus area on the PMP® Certification exam. This course features Agile methodology, highlighting Scrum and Kanban. Learn the Agile process, explore roles and responsibilities of the product owner, ScrumMaster and team, develop product and sprint backlogs, and build “fun” products using the methodology. Our goal -- prepare you to enter an Agile environment and succeed. This class can be accomplished virtually or in-class with similar positive results.

## Who Should Take This Course?

All project managers, leaders, managers and contributors who work in an environment where Agile Project Management is practiced need this class! In addition, those desiring Project Management Institute (PMI)® certifications such as Project Management Professional (PMP)® or Certified Associate in Project Management (CAPM)® will greatly benefit from knowledge learned in this course. This is the fifth required course in the Project Management Certificate.

## Course Objectives

- Describe Agile Project Management with a focus on Scrum
- Identify key roles and responsibilities associated with an Agile framework
- Determine the proper framework to implement a project
- Describe the Product Backlog and User Stories
- Demonstrate ability to implement a project using Scrum
- Demonstrate ability to develop a Product Backlog and User Stories
- Summarize Agile estimation techniques
- Define the concept of velocity
- Define Agile Risk Management
- Define Sprint goal settings and backlogs
- Summarize User Story analysis and prioritization techniques
- Describe Agile tools
- Describe Kanban as a method to achieve project goals
- Summarize challenges in an Agile environment

## Course Info

- Length: 15 hours
- Format: Classroom instruction and hands-on activities
- Prerequisite: Project Management Basics: Initiating the Project or knowledge of Agile Project Management

## Course Content

### **Describe Agile Project Management with a focus on Scrum**

- Describe Agile and how it differs from traditional project management frameworks.

### **Identify key roles and responsibilities associated with an Agile framework**

- Identify the overall Scrum process and team
- Identify the role of the Product Owner
- Identify the role of the ScrumMaster
- Identify the role of the Development Team
- Summarize the Scrum process

### **Determine the proper framework to implement a project**

- Define the Stacey Analysis Diagram Tool
- Demonstrate the ability to use the Stacey Analysis Diagram Tool

### **Describe the Product Backlog and User Stories**

- Define the Product Backlog
- Describe User Stories

### **Demonstrate the ability to implement a project using Scrum**

### **Demonstrate the ability to develop a Product Backlog and User Stories**

- Summarize details of User Stories
- Summarize details of Product Backlogs

### **Summarize Agile estimation techniques**

- Define estimation challenges
- Summarize Relative Estimation

### **Define the concept of velocity**

- Define velocity
- Define what impacts velocity
- Determine velocity based on a scenario
- Summarize velocity

### **Define Agile Risk Management**

- Define risk

### **Define Sprint goal settings and backlogs**

- Define content of a Sprint Goal
- Summarize the Sprint Backlog

### **Summarize User Story analysis and prioritization techniques**

- Describe the INVEST model
- Summarize prioritization best practices

### **Describe Agile Tools**

- Describe the Kanban or Task Board
- Explain Burndown Charts
- Define the stand-up meeting
- Explain and summarize Planning Poker

### **Describe Kanban as a method to achieve project goals**

- Define the role of the Product Owner in effective communications
- Define how personas can assist project planning
- Summarize the Kanban process

### **Summarize challenges in an Agile environment**

- Define key challenges in implementing Agile
- Discuss how to “sell” Agile

## **Assessment /Evaluation**

This course is not assigned a letter or numerical grade. However, in some cases, skill assessments may be administered during the course to gauge progress and comprehension.

## **Course Completion/Continuing Education Unit (CEU) Letter**

If your company requires proof of course completion, or if you would like to have proof for your own records, you may request a Course Completion/Continuing Education Unit (CEU) letter **after the final session of your course**. You must attend\* 80 percent of the course (calculated by number of sessions) to qualify for the letter. You can [request a Course Completion/CEU letter online](#).

\*Attendance for CEU letters and certificate programs is verified via the sign-in sheets provided at each class session. It is your responsibility to sign-in.

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The accommodations authorized on your forms should be discussed with your instructor. All discussions will remain confidential. Accommodations are not provided retroactively, so it is essential to discuss your needs at the beginning of the quarter. Additionally, only accommodations approved by Disability Support Services will be provided. This syllabus is available in alternate formats upon request. Green River College is an equal opportunity educator and employer. Learn more at [www.greenriver.edu/accessibility](http://www.greenriver.edu/accessibility).