



## Agile Project Management Syllabus

**Delivery Method:** *Online, Asynchronous*

**Contact:** [support@mindedge.com](mailto:support@mindedge.com)

**Prerequisites/Co-requisites:** *None*

**Required Texts and Resources:** *MindEdge course bundle*

### **Course Description:**

This online course introduces learners to Agile methods of project management. Beginning with an introduction to the core philosophy of Agile and the basic structure of an Agile project, the following modules address specific challenges that may be encountered by teams using Agile, best practices for integrating Agile methods into Waterfall environments, and the principles of Scrum, one of several specialized Agile methods. The self-paced course offers an assortment of interactive exercises, videos, selected readings, case studies, and self-assessments that engage students and provide opportunities to practice their project management skills in an Agile context.

Topics covered in the course:

- Introduction to Agile
- Principles of Scrum
- Challenges for Agile Teams
- Integrating Agile into a Waterfall Environment

For any questions or concerns related to content, IT, and accommodations, please contact [support@mindedge.com](mailto:support@mindedge.com)

Students will have access to the course for 1 year. Completion of all components of the material will take approximately 30.5 hours. Students are able to self-pace their progress through the material, as all content is delivered online and asynchronously.

### **Grading:**

A student's grade in the course will be based on their performance on a final, cumulative exam. The final exam is composed of 40 multiple-choice questions. Students will have 1.5 hours to complete the exam.

If students do not earn a passing score of 70% on their first attempt, they will have the opportunity to take the exam 1 additional time (2 total attempts). Students must wait 24 hours between exam retakes.

### **Honor Code:**

At MindEdge, we believe in the power of online learning and the power of learners to improve their lives through education. We believe in the honesty and integrity of our learners and the ability of our courses to further competencies in critical subjects crucial to personal and professional development.

When taking MindEdge courses that may confer college credit equivalency, we use additional measures to ensure the integrity of end-of-course exams and projects. This includes the use of online proctoring software. End-of-course exams are those built in a self-contained MindEdge “course” — separate from the material used for learning review and study. It’s expected that learners focus exclusively on the exam when taking the exam.

- Referencing the course materials used for learning is not permitted.
- Reviewing other course materials on separate devices or screens is not permitted.
- Working in tandem or communicating with others — either in your immediate proximity or via digital methods (text, chat, FaceTime, etc.) — is not permitted.
- Using alternate browsers or browser windows and search engines of any kind to aid in answering exam questions is not permitted.

The use of the proctoring software is to help ensure these activities don’t happen. Learners are expected to abide by the proctoring process, including the verification of a learner’s true identity as the registered exam taker by providing appropriate and valid identification.

Should the proctoring process raise any flags of suspicion on the items above, MindEdge will contact the learner with the information provided by our provider.

Should MindEdge have sufficient proof that the rules of this honor code were not followed — the learner will not have the opportunity to earn college credit or other continuing education units, as applicable. Any applicable fees paid to any party to take the course are not eligible for a refund of any kind.

### **Learning Objectives**

Below, learning objectives are listed according to topic.

#### **Introduction to Agile**

- Explain common terms and concepts related to Agile development
- Define Agile development and differentiate it from traditional Waterfall practices
- Identify the similarities and differences among several Agile tools and methodologies
- Describe the stages of the Agile development cycle and identify the factors that promote project success
- Understand the nuances of leading and working with Agile teams

#### **Principles of Scrum**

- Define essential Scrum terms and identify the interdependent nature of key concepts
- Summarize the specific, distinct roles that practitioners assume in effective Scrum frameworks
- Identify the stages of the Scrum cycle and explain how these stages combine to meet evolving customer needs and requirements
- Compare and contrast the three primary Scrum artifacts and detail how they integrate to ensure a common understanding of project expectations
- Describe several tools and techniques that help project participants meet and exceed customer needs and wants

### **Challenges for Agile Teams**

- Identify the underlying issues that lead to common problems for Agile teams
- Recognize negative behaviors that inhibit team development
- Describe ways to keep an Agile team focused on delivering value
- List strategies for uncovering additional stakeholders and project participants to enhance project feedback
- Give examples of the "must have" skills that product owners should possess
- Describe how to reorganize daily stand-ups to improve their performance
- Summarize options for overcoming velocity estimation mistakes
- Outline effective rewards and acknowledgments that promote team cohesion and interaction

### **Integrating Agile into a Waterfall Environment**

- Describe tools and techniques that could assist in Agile integration
- Recognize the problems that Agile and Waterfall collaborators contend with on a regular basis
- Recognize the advantage of "failing fast"
- Uncover impediments or obstacles that may occur when running Agile and Waterfall in parallel
- Examine several project artifacts that can be used to show progress during transitional states
- Identify the essential elements of an integration framework
- Describe ways to temper expectations as integration takes hold