MODULE DESCRIPTION:

This module introduces students to an alternative methodology to the more traditional project management approaches. The course work introduces students to the Agile Project Management and the Scrum Development Process. The introduction to both of these topics occurs during VET390: Project Management Fundamentals.

Successful completion of the course familiarizes students with Scrum concepts. Students interested in becoming a Certified ScrumMaster still need to take a Scrum Alliance® Certified ScrumMaster course independently.

Prerequisite Course: VET390

Upon completion of VET39 students should be able to:

- Identify the levels and benefits of agile planning
- Describe activities that take place during the different phases of agile planning
- Recognize the essential elements of a business case, use case, and user stories
- Establish project scope using Agile Methods
- Create project estimates for a Release Plan
- Utilize Agile Tools for Prioritizing Requirements
- Utilize iterative planning and estimating processes
- Describe the 3 phases of the Scrum process in action
- Identify the characteristics of the charts used in Scrum to track progress
- Recognize the benefits of having a plan for an agile project
- Create an iteration backlog
- Monitor and Report on Agile Project Work
- Lead Agile Project Teams
- Actively Engage Stakeholders in Agile Projects
- Recognize Agile practices that promote quality
- Describe strategies for ensuring quality on an Agile project
**MODULE CONTENT (SUGGESTED ORDER):**

<table>
<thead>
<tr>
<th>Topic 1: Six Sigma Black Belt</th>
<th>Assessment Required?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 SS Course: Agile Planning: Project Initiating and Requirements Gathering (1.5 hrs)</td>
<td>✓</td>
</tr>
<tr>
<td>1.2 SS Course: Agile Planning: Doing Estimates and Completing the Release Plan (2.0 hrs)</td>
<td>✓</td>
</tr>
<tr>
<td>1.3 SS Course: Planning and Monitoring Iterations on an Agile Project (2.5 hrs)</td>
<td>✓</td>
</tr>
<tr>
<td>1.4 SS Course: Leading an Agile Team (2.0 hrs)</td>
<td>✓</td>
</tr>
<tr>
<td>1.5 SS Course: Managing Stakeholder Engagement on an Agile Project (2.0 hrs)</td>
<td>✓</td>
</tr>
<tr>
<td>1.6 SS Course: Ensuring Delivery of Value and Quality in Agile Projects (2.0 hrs)</td>
<td>✓</td>
</tr>
</tbody>
</table>

**SUCCESSFUL MODULE COMPLETION REQUIREMENTS:**

1. Full completion of each of the above topics and a minimum assessment grade of 80% where an assessment is designated as required.

   OR

   SS Course Assessment of 100%

*Note: The advisor has the discretion to adjust requirements as needed on an individual student basis.*

**TIPS FOR SUCCESS:**

The courses in this module build on the Introduction to Agile Project Management courses provided in VET390: Agile Project Management Essentials, Adopting an Agile Approach to Project Management, and Overview of the Scrum Development Process. If it's been awhile since completion of VET390, students may wish to review these courses before completing the VET339 coursework.
INDUSTRY CERTIFICATION REQUIREMENTS

This course does not directly prepare students for Certified ScrumMaster. Prior to taking the industry Certification Exam the following requirements must be met:

- **Prerequisite Industry Certification:**
  - None

- **Work and Education Requirements (minimum):**
  - Completion of a Scrum Alliance® approved CSM course.

- **For further information, please visit:**
  - [http://www.scrumalliance.org/pages/certification_path](http://www.scrumalliance.org/pages/certification_path)