TRAINING GOALS:

Agile success demands a strong and stable foundation. A common misconception is that Agility means lack of order or discipline. This is simply not the case. Those who try to incorporate an Agile methodology or practice into their SDLC with an expectation of shedding the discipline are on a path to failure. Agility in software development requires strong discipline. In order to successfully create Agility, you must have a solid foundation in the practices and procedures you wish to adapt and learn how to follow those practices correctly while tying them to rigid quality goals.

This workshop will give you the foundation of knowledge and experience you need to begin. This course is a starting point for you to acquire the techniques, skills and tools that enable you to build Agile discipline. In addition to defining Agile principles, we will cover the advantages and disadvantages of Agile development. Get first-hand experience by organizing and participating in an Agile team. Put the concepts you learn to practice instantly in the classroom project. Understand and learn how to take advantage of the opportunities for Agile. Finally gain an understanding and practice the collaboration and communication needed between customer and developers for Agile to succeed. Agile methods forming the basis for this course include:

- Scrum
- Extreme Programming
- AgileUP
- Feature Driven Development
- Lean Development
- Dynamic Systems Development Method (DSDM)

Upon successful completion of this course, you should be able to:
Understand Agile principles and how to build the discipline to support those principles in your everyday practice

Appreciate the history of Agile and how the collection of principles and practices came together to enable customer success

Examine Agile methods, including: Scrum, Extreme Programming, AgileUP, Feature Driven Development, Lean Development and DSDM

Draw best practices from the various methodologies that will contribute to your team success

Talk the talk: learning the Agile terminology, roles and forums with their context

Walk through the processes that support Agile principles to enable the delivery of great products

Begin to map the transition of your existing team or enterprise-level processes, artifacts and forums to Agile

Discover the power of Agile teams through communication, collaboration and cadence

Uncover the pitfalls that teams will encounter in an Agile transition and understand how to overcome those challenges

Lay the foundation upon which you can build a learning team and Immediate Benefits of Attending This Class:

Gain a solid understanding of Agile principles and why they are important

Understand the iterative approach and it's benefits

Apply relative estimating to create better development plans and communicate those plans more effectively with your customers to manage expectations

Establish a firm understanding of what it takes to make a transition to Agile

Incorporate retrospectives into your team processes to promote continuous improvement

Apply principles and practices of technical excellence to enhance your agility

Learn how requirements emerge during development and practice how to successfully prioritize and collaborate with stakeholders on the development of requirements

Understand Agile planning at all levels of execution from product vision down to daily development of features

Learn next steps for your current situation to apply these principles and practices within your team

This information packed course will expose you to an array of ideas, techniques, tools and practices that you can incorporate immediately — all offered to help you successfully integrate Agile development techniques into your SDLC. You will immediately understand the concepts of how to:

Deliver better products more consistently that will enable your customer's success

Establish, empower and protect high-performing teams

Eliminate waste from your processes

Create transparency in your communication

Create collaborative forums with development and customer resources out of which amazing products will emerge
Understand the basic structure of Agile processes that will enable success

Embrace ever-changing requirements and leverage constraints to your advantage

In-Class Workshops and Group Exercises: get real-world, hands-on experience in our classroom. Ensure you get the most benefit out of your decision to move to Agile practices by taking the time to become familiar with those practices before you begin.

This course is a stimulating combination of class interaction, group exercises and the classroom Agile case studies — each is designed to allow you to easily grasp new concepts and techniques. Specifically you will cover:

- Self-organized teams
- Project introduction and creating a product vision and set of requirements
- Release planning
- Customer/Product Owner interaction and collaborating to create User Stories
- Relative estimation — becoming more accurate by letting go of perceived precision
- Creating a development cadence with teams
- Identification of Agile best practices
- Identification of the advantages and challenges of implementing an Agile framework

This Agile software development training course is designed for anyone who is considering the use of Agile Methods for software development, including:

- Project Managers
- Program Managers
- Analysts
- Developers
- Programmers
- Testers
- IT Manager/Directors
- Software Engineers
- Software Architects
- Customers/Stakeholders
- Product Managers

CONCEPT:

- Section 1:

  Agile Overview — In this section we will explore the motivating factors for teams adopting Agile practices. Further we will examine the various Agile methods and the principles and
practicesthey embrace. Agile success with real-world examples across many industries will be shared to highlight the benefits that Agile can bring to teams. Finally, we will explore the power behind Agile teams and how they differ from traditional project teams.

- What is Agile?
- Agile Methods — Principles and Practices
- Agile Benefits — what you can expect
- Why Agile works
- Agile Teams
- Exercise: Understanding the Agile Team — in this exercise we will explore the unique factors of why Agile teams work and learn to recognize the key factors for successful Agile implementation.

Section 2:

Agile Basics & Practices — In this section we will establish a foundation of the basic roles, artifacts and forums utilized by Agile teams. Agile terminology will be reviewed and we will review the complete “process” or framework which Agile teams utilize to achieve success. For many teams, Agile merely means having Daily Stand-up Meetings and conducting a Retrospective every two weeks... but this is far from truly being Agile.

- User Roles and Personas
- Definition of Agile Methods
- Agile Practices
- Sprinting: Agile Practices in Motion
- Product vision, roadmap and planning
- Product Backlog and User Stories
- Prioritization techniques
- Relative Estimating
- Agile’s iterative approach
- Exercise: Transition to an iterative approach — teams will engage in a fun exercise that will highlight the benefits behind why iterations work.

Section 3:

Becoming Agile — In this section, we will review the information you need to know to begin your journey to “Becoming Agile.” Many organizations/teams try to implement Agile without knowing the roadblocks they will face and what it takes to become an Agile team. In this section of the course, you will cover key focus areas to becoming successful with Agile:

- The Top 10 Agile Myths How to “Become Agile”
- Ten Pitfalls when Implementing Agile Setting your Course Forward
- Exercise: Working through Roadblocks — As with any implementation, the implementation process itself should not be a distraction. So it is with the implementation
of Agile in a development environment. In order to achieve that desired state of agility, a plan is needed, team members must know what to expect, and how you plan to get there. This exercise will help you understand the roadblocks you must face — and how to address them — as you move forward with your Agile implementation.

REQUIREMENTS:

To be successful in this course, you should have the following prerequisites or knowledge:

- Have working knowledge of Windows, websites, and browsers
- Understand the basic testing concepts

CERTIFICATE:

The participants will obtain certificates signed by Micro Focus (course completion). This course prepares you also for such related Micro Focus certification exam: 7PDU

TRAINER:

Authorized Micro Focus Trainer