

# SCRUM AGILE MASTER CERTIFIED (SAMC™) COURSE SYLLABUS

## *Introduction*

### *Agile Overview*

- AGILE Defined
- Why use Agile?
- Adaptive Project Management
- The Agile Manifesto
- Principles of the Agile Manifesto
- Declaration of Interdependence
- What has changed?
- Difference between Waterfall and Agile

### *Domains of Agile Practices*

- Value-Driven Delivery
- Adaptive Planning
- Team Performance Practices
- Agile Tools and Artifacts
- Participatory Decision Models
- Stakeholder Engagement
- Continuous Improvement

### *Lean Kanban Software Development*

- Introduction
- Core Values

### *Understanding Lean Software Development*

- Introduction
- Core Values
- Practices of Lean Software Development
- Iterative Development

### *Understanding Kanban*

- Kanban in software development
- Kanban Values
- Kanban Practices
- Definition of Lean Kanban
- Implementing Lean Kanban

## *Scrum*

- Overview of Scrum
- Brief History of Scrum
- Why Use Scrum?
- Scalability of Scrum
- Scrum Principles
- Scrum Aspects
- Scrum Processes
- Scrum and Kanban

## *Extreme Programming*

- Core Values
- Roles
- Practices
- XP release
- XP Artifacts
- Adopting XP
- XP Events
- Iteration

## *Test-Driven Development DSDM*

- Core Values
- Roles
- Practices

## *Crystal*

- Core Values
- Roles
- Practices
- The Process

## *Feature Driven Development*

- Core Values
- Roles
- Practices
- The Process

## *Comparison of Agile Methods Best Fit Analysis Tool*