

Unleash
your potential

McGill Certified Agile and SCRUM Master (MCASM) – Online

Practice using agile project
management techniques



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Program Overview

Agile project management is a value-driven approach that focuses on continuous improvement, agility, team input, and delivering quality products and services on time and on budget.

Participants will learn about applying this iterative development methodology to products, solutions, and software.

Once the seminar has been completed, participants will be eligible to become a McGill Certified Agile and SCRUM Master (MCASM) by completing an online exam.

Key Benefits

- Understand and use Agile and SCRUM principles
- Understand when to apply iterative project management techniques
- Set up and manage a SCRUM-based or Agile project
- Initiate the project with the relevant tools
- Plan and estimate projects and sprints (project iterations)
- Understand how to scale SCRUM for small to large projects
- Understand how to review project outcomes and plan releases

Who should attend?

This seminar is designed for managers or team leaders at all levels interested in fast-paced and iterative product or service development. Any of these participants will benefit from the early adoption of these competitive methods.

What is included?

The registration fee includes facilitation by our highly rated faculty members, a comprehensive digital workbook, results-oriented exercises, and a **McGill Certified Agile and SCRUM Master Certificate (MCASM)** - awarded upon the completion and correction of the online exam.



Key Themes

Agile Manifesto and Principles

- Difference between traditional waterfall project management and Agile
- Multi-generational product plan
- Industry benchmarks
- Who is using Agile and SCRUM?

SCRUM Principles

- Self-control, collaboration, and prioritization
- Time boxing and iterative development
- Lean and Agile comparison

Iterative Project Management Conditions

- Key conditions
- Modularization and design structure matrix

Project Management Roles

- Product owner
- Project team and profiles
- SCRUM master
- RACI

Setting up and Managing a SCRUM Project

- Overall phases
- Visual management
- Kanban and pull principle
- Risk management cycle

Initiation of the Project – Tools

- Project vision
- SCRUM team selection and support
- Develop the epics
- Prioritized product backlog and its management
- Kano model and MoSCoW
- Plan the release

Planning and Estimating Tools

- Write user stories
- Define acceptance criteria definition
- Enablers identify user stories
- Test strategies and levels
- Benefits of using personas
- User stories estimation techniques
- Critical path management
- Critical chain optimization technique
- Approval and breakdown into tasks

Implementing and Reviewing Tools

- Sprint process
- Team interactions and daily management standups (SCRUM meeting)
- Three fundamental questions
- The SCRUM board and visual management
- Metrics, burndown chart, Kanban board
- Rapid prototyping

Release Planning Tools

- Sprint review
- Acceptance and rejection management
- Lessons learned sessions (retrospect)
- Release planning schedule
- Plan for the next cycle and integrate program

Final Case Study

- McGill Certified Agile and SCRUM Master (MCASM) exam administered online two weeks post-seminar

