

KOENIG SOLUTIONS • COURSE OUTLINE

Scrum Developer Certified

Learn to apply Scrum principles, roles and processes to plan, execute and release projects through each sprint phase.

13

MODULES

65

TOPICS

COURSE OVERVIEW

This course covers the foundations of Scrum, including its principles, aspects and processes, along with the core and non-core roles that make up a Scrum organisation. It addresses business justification, quality management, change handling and risk management within a Scrum environment. The course then follows the project lifecycle through the Initiate, Plan and Estimate, Implement, Review and Retrospect, and Release phases, concluding with approaches to scaling Scrum across larger organisations.

WHO THIS COURSE IS FOR

Scrum Masters

Product Owners

Scrum Team Members

Project Managers

Software Developers

LEARNING OBJECTIVES

- Explain Scrum principles, aspects and processes
- Describe the responsibilities of core and non-core Scrum roles
- Assess business justification techniques and tools for planning value
- Apply quality management and quality control practices in Scrum
- Manage change requests and balance flexibility with stability
- Identify risks and apply risk mitigation techniques
- Plan a sprint from user stories through to sprint backlog
- Conduct release planning and scale Scrum across teams

13 Modules, 65 Topics

01

Introduction

TOPICS

Scrum Overview · Scrum Principles · Scrum Aspects · Scrum Processes · Scrum Summary · Scrum Advantages

02

Organization

CORE ROLES

Core Role: Product Owner · **Core Role:** Scrum Master · **Core Role:** Scrum Team

Non-core Roles

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Business Justification

TOPICS

- Responsibilities of Scrum Roles in Business Justification
- Factors used to Determine Business Justification
- Business Justification Evaluation Techniques
- Tools for Planning Value
- Continuous Value Justification
- Summary of Responsibilities

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Quality

TOPICS

- Quality Defined
- Acceptance Criteria and the Prioritized Product Backlog
- Quality Management in Scrum
- Quality Planning
- Continuous Integration and Sustainable Pace
- Quality Control and Quality Assurance
- Summary of Responsibilities

05

Change

TOPICS

- Unapproved and Approved Change Requests
- Change in Scrum
- Balancing Flexibility and Stability
- Achieving Flexibility
- Changes to a Sprint
- Impact of Expected Change on the Length of Sprint
- Managing Changes through Prioritized Product Backlog Grooming
- Managing Changes During Demonstrate and Validate Sprint

06

Risk

TOPICS

- What is Risk?
- Risks and Issues
- Risk Management Procedure
- Risk Identification
- Risk Assessment
- Risk Assessment Techniques
- Risk Mitigation
- Risk Communication
- Minimizing Risks through Scrum
- Summary of Responsibilities

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Introduction to Scrum Project Phases

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Initiate Phase

TOPICS

- **Process 1:** Create Project Vision
- **Process 2:** Identify Scrum Master and Stakeholder(s)
- **Process 3:** Form Scrum Team
- **Process 4:** Develop Epic(s)
- **Process 5:** Create Prioritized Product Backlog
- **Process 6:** Conduct Release Planning

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Plan and Estimate Phase

TOPICS

- **Process 1:** Create User Stories
- **Process 2:** Approve, Estimate, and Commit User Stories
- **Process 3:** Create Tasks
- **Process 4:** Estimate Tasks
- **Process 5:** Create Sprint Backlog

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Implement Phase

TOPICS

Process 1: Create Deliverables · **Process 2:** Conduct Daily Standup · **Process 3:** Groom Prioritized Product Backlog

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Review and Retrospect Phase

TOPICS

Process 1: Convene Scrum of Scrums · **Process 2:** Demonstrate and Validate Sprint · **Process 3:** Retrospect Sprint

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Release Phase

TOPICS

Process 1: Ship Deliverables · **Process 2:** Retrospect Project

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Scaling Scrum

TOPICS

Scalability of Scrum · Transition to Scrum · Resistance to Change · Mapping Traditional Roles to Scrum · Importance of Executive Support

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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