

Professional Scrum with Kanban (PSK I)

This PSK I training prepares you for the Professional Scrum with Kanban certification by teaching you to apply Kanban practices within the Scrum framework. You will learn how Scrum and Kanban work together using flow metrics and work-in-progress limits to make delivery more predictable. The course covers the Kanban Guide for Scrum Teams, essential Kanban practices, and key Agile metrics for the assessment. You will also strengthen your understanding of Scrum theory, artifacts, events, and the Definition of Done, including common antipatterns. By the end of this course, you'll be ready to pass the PSK I assessment and use flow metrics and Kanban practices to improve delivery across your Scrum team.

[CBT Nuggets course material](#) →

WEEK 1

Scrum Foundations for Flow

Scrum Before Kanban
Making Reality Observable
Lean Thinking and the Flow of Value
Scrum Values as Flow Enablers
Self-Management Guided by Evidence
Scenario Lab- Responding to a Delivery Problem
Test Your Knowledge

Scrum Framework Essentials for PSK

Introduction
One Scrum Team - Three Accountabilities
Scrum Events Create a Rhythm for Decisions
The Product Backlog and Product Goal
The Sprint Backlog and Sprint Goal
The Increment and Definition of Done
Protecting Scrum While Improving Flow
Test Your Knowledge

How Kanban Complements Scrum

Introduction
Kanban as a Strategy for Optimizing Flow
The Four Flow-Based Practices
Defining and Visualizing Workflow
Controlling WIP and Actively Managing Work
Strengthening Scrum Through Flow Evidence
Scenario Lab
Test Your Knowledge

Visualizing Flow and Defining the Workflow

Introduction

A Board Is Not Yet a Definition of Workflow

Defining the Work and Its Boundaries

Showing Active Work and Waiting

Exposing Flow Problems

Completing the Definition of Workflow

Build, Test and Critique the Workflow

Test Your Knowledge

Explicit Policies, WIP Limits, and Pull

Introduction

Policies That Change Behavior

When Work Is Ready to Move

WIP Limits Make Capacity Visible

Pull Means Capacity Before Commitment

The WIP We Pretend Not to See

Workflow Walkthrough

Test Your Knowledge

Understanding the Four Flow Metrics

Introduction

Work In Progress- What Is Open Now?

Throughput- What Finished During the Period?

Work Item Age - What Needs Attention Now?

Cycle Time - What Did Finished Work Experience?

Four Metrics, One Flow System

Orion Flow Metrics Walkthrough

TWiG- The WIP Game

Test Your Knowledge

Service Level Expectations and Aging Work

Introduction

What an SLE Is and What It Ain't!

Building an SLE From Cycle Time Evidence

Reading and Communicating the SLE

Work Item Age as an Early-Warning Signal

Responding to Aging Work

Orion Team SLE and Aging Work Walkthrough

Test Your Knowledge

Actively Managing Flow

Introduction

From Watching Work to Managing It

Reviewing the Workflow from Right to Left

Deciding What Requires Action Now

Managing Bottlenecks and Queues

Choosing the Right Flow Intervention

Daily Scrum Walkthrough - Restoring Flow

Test Your Knowledge

Reading Flow Analytics

Introduction

Anatomy of a Cumulative Flow Diagram

Reading the Shape of Flow

Anatomy of a Cycle-Time Scatterplot

Reading Distribution, Outliers and Change

Little's Law Connects the System

Orion's Flow Analytics Investigation

Test Your Knowledge

Forecasting and Inspecting Flow in Scrum

Introduction

Forecasting Is Not Estimating or Committing

Forecasting When One Item Might Finish

Forecasting Scope and Delivery with Throughput

Communicating an Honest Forecast

Using Flow Evidence in Scrum Events

Orion Team Forecast and Adaptation Walkthrough

Test Your Knowledge

PSK Assessment and Final Prep

Introduction

Reading and Answering PSK Questions

Protecting Scrum While Applying Kanban

Assessment Walkthrough

Assessment Walkthrough

Assessment Walkthrough

Final PSK I Prep

Test Your Knowledge