Scope & Requirements (REQ02)

**Course Introduction**

Section 01 - Effective Listening Skills for Requirements Definition
Effective Listening Skills
Listening Is Good Business
Listening vs. Hearing
Causes for "Tune-Out"
Communication Realities
Exercise: Personal Listening Profile
Listening Approaches
Matching Listening Approaches
Appreciative Listeners
Empathic Listeners
Comprehensive Listeners
Discerning Listeners
Evaluative Listeners
The Function of Listening

15m

Section 02 - Stakeholders
Stakeholders
Who is a Stakeholder?
Responsibility Assignment Matrix (RAM)
The RACI Matrix
Steps in Stakeholder Management
Key Stakeholder Questions
IIBA BOK Stakeholder Questions
Stakeholder Prioritization

11m

Section 03 - Scope Definition
Scope Definition
The Product vs. Project Scope
The IIBA BOK Process Model
Enterprise Analysis
Requirements Planning & Management
Requirements Elicitation
Requirements Analysis
Requirements Communication
Solution Assessment & Validation
Fundamentals
Project Boundaries
The PMI Scope Management Framework
Real World Best Practice
The LGd Process
Project Sponsor Issues Charter
Charter Environmental Factors to Consider
The Project Data Sheet (PDS)
Roles & Responsibilities
Gold Plating
Scope Creep

35m
Section 04 - Creating Effective Work Breakdown Structures

Creating Effective Work Breakdown Structures
Scope Definition
The Work Breakdown Structure
Types of WBS Elements
Components of the WBS
WBS Basic Structure
Code of Accounts
WBS Dictionary
Managing Change
The What and The How
Key Questions
What’s wrong with this WBS?
Why use a WBS?
Introduction to Displayed Thinking

Section 05 - Requirements Basics

Requirements Basics
Definition
What is a Requirement?
IIBA BOK Requirements
Functional vs. Non-Functional
What Makes A Good Requirement?
Examples of Poor Requirements
Business Requirements vs. System Requirement
Requirements Written Individually
Key Requirement Tests
The Problem Pyramid

Section 06 - Use Cases

Use Cases
Overview
Why Create Use Cases?
The WBS and Use Cases
The Basic Use Case Process
Keys to Effective Use Cases
Detailed Use Case - Section 1
Detailed Use Case - Section 2
Detailed Use Case - Section 3
Detailed Use Case - Section 4
Use Case Checklist

Section 07 - Developmental Methodologies

Developmental Methodologies
Methodologies, Frameworks and Processes
Methodology Drivers
The Volere Process
Success with RUP
The Basic RUP Process
Inception Phase
Elaboration Phase
Construction Phase
Transition Phase
Key Modeling Elements of the RUP
Guidelines to Success with RUP
**SCRUM Basics**
The Scrum Roles
The Scrum Flow
The Scrum Tools
The Scrum Skeleton

**Section 08 - Testable Requirements**
Testable Requirements
Standard Testing Activities
Requirements Based Testing (RBT)
RBT Strategy
RBT 12-Step Process
Ambiguity Review
Example
Types of Testing
Test Cases

**Section 09 - The Software Requirements Specification (SRS)**
The SRS
The SRS Defined
SRS Goals
The SRS Components
Getting Started
10 Quality Characteristics of an SRS
Quality Measures Related to Individual SRS
Continuances
Directives
Options
Weak Phrases

**Section 10 - Business Domain Modeling**
Business Domain Modeling
BDM Defined
BDM Roles - The Business Process Analyst
BDM Roles - The Business Model Reviewer
BDM Roles - The Software Architect
BDM Artifacts
BDM Model
BDM Example
BDM Example DB Schema
Why is a Domain Model Needed?
BDM Example - Continued

**Section 11 - Other Advanced Tools**
Tools
Key Techniques
Definitions
The Spectrum Diagram
Activity Diagram
Block/Swimlane Workflow Diagram
Business Process Diagram (BPD)
Cause & Effect Diagram
Decision Tree Analysis
Advanced Decision Tree
Class Diagrams
Section 12 - Final Exam

Final Exam

Total Duration: 3hrs 15min