

## Scope & Requirements (REQ02)

<b><u>Course Introduction</u></b>	2m
<b><u>Section 01 - Effective Listening Skills for Requirements Definition</u></b>	15m
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	
<b><u>Section 02 - Stakeholders</u></b>	11m
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	
<b><u>Section 03 - Scope Definition</u></b>	35m
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	

## **Section 04 - Creating Effective Work Breakdown Structures**

21m

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**

17m

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**

11m

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**

29m

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**

9m

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)**

12m

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**

6m

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**

26m

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

Class Diagrams – Key Terms  
Class Diagram Example  
Data Flow Diagrams (DFD)  
Data Flow Diagram – Key Terms  
FURPS+  
Course Closure

**Section 12 - Final Exam**

Final Exam

0m

Total Duration: 3hrs 15min