

LookingGlass - Schedule & Cost Control (SCHCC)

Course Overview

This instructor-led course provides participants with real world tools to manage the complex problems surrounding schedule and cost management. Students will learn a variety of tools and techniques to see what works and what does not in the real world of project management.

<u>Course Introduction</u>	3m
Course Introduction	
<u>Section 01 - Quick PM Review</u>	24m
Quick PM Review	
The PMI-SP Process	
The PMI-SP Exam	
The Basics of PM	
The Five Process Groups	
The Basics of PM: The Process	
The Ten Knowledge Areas	
<u>Section 02 - Time Management</u>	58m
Time Management	
6.1 Plan Schedule Management	
6.2 Define Activities	
6.3 Sequence Activities	
6.4 Estimate Activity Resources	
6.5 Estimate Activity Durations	
6.6 Develop Schedule	
6.7 Control Schedule	
Decomposition	
Dependencies	
Types of Dependencies	
Precedence Diagramming: Finish to Start	
Precedence Diagramming: Start to Start	
Precedence Diagramming: Finish to Finish	
Precedence Diagramming: Start to Finish	
Conditional Diagramming	
Leads and Lags	
Duration Estimating Methods	
Bottom-Up Estimating	
Analogous Estimating	
Expert Judgment for Estimating	
Parametric Modeling Estimating	
Program Evaluation & Review Technique (PERT)	
Resource Considerations	
Schedule Creation	

<u>Section 03 - Critical Path Method</u>	29m
Critical Path Method	
CPM Basics	
Critical Paths in Network	
Each Task	
Critical Path Model	
Constraints	
Resource Leveling	
Simulation	
Simulation Advantages & Disadvantages	
Duration Compression	
<u>Section 04 - Basic Cost Management</u>	20m
Basic Cost Management	
7.1 Plan Cost Management	
7.2 Estimate Cost	
7.3 Determine Budget	
7.4 Control Costs	
Types of Cost Estimating	
Bottom-Up Cost Estimating	
Analogous / Top Down Estimating	
Parametric Cost Estimating	
Types of Project Costs	
Accuracy of Estimates	
The Cost Baseline	
Total Project Budget	
<u>Section 05 - Introduction to Earned Value</u>	30m
Introduction to Earned Value	
Intro to Earned Value Graphs	
Basic Terms	
Variances and Performance Indexes	
Basic Formulas	
Analysis	
Forecasting - ETC	
Forecasting - EAC	
Forecasting - TCPI	
Forecasting - ETTC	
Forecasting – Other Calculations	
Cumulative Cost Curve	
EV Performance	
<u>Section 06 - Critical Chain Management</u>	53m
Critical Chain Management	
Section Objectives	
The Current Management Paradigm	
Current Project Schedules	
Project Schedules	
The Results	
What Else Can You Do?	

Overestimate AKA Pad the Schedule
Management's Response
Resources
A New Paradigm
The Theory of Constraints
Theory of Constraints Meets Project Management
Critical Chain Step 1
Critical Chain Step 2
Viable Schedules
Dependencies
Possible Paths
People on the Critical Chain
Resource Buffers
Project Buffers
Feeding Buffers
Critical Chain Project Management
Original Duration Estimate
Measures
Some Key Ideas

Section 07 - Other Cost Calculations

34m

Other Cost Calculations
Present Value (PV)
Net Present Value Calculation
Net Present Value (NPV)
Future Value Calculation
Internal Rate of Return (IRR)
Return On Investment (ROI)
Payback Period
Benefit Cost Ratio (BCR)
Opportunity Costs (OC)
Depreciation
Common Depreciation Conventions
Straight Line Depreciation
Depreciation Examples
Depreciation Examples UP/O
Double Declining Balance (DDB)
Sum of the Years Digits (SYD)
Course Closure

Total Duration: 4h 11m