



Schedule Management

Duration: 35 hours

Class size: Up to 24

Languages: English/Spanish/Portuguese

Description: This course is aiming to help Project Management practitioners to understand and apply key scheduling terminology, apply the logic to create activity networks, develop an activity network based on Activity-on-Node (AON) techniques, perform activity duration estimation based on probabilistic techniques, construct the critical path using forward and backward passes, identify activity float, understand the steps to reduce the critical path, understand the trade-offs required in the decision to crash project activities, understand the difference between common cause and special cause of variation, and finally distinguish between critical path and critical chain project scheduling techniques.

Contents:

1. Introduction
2. Work Breakdown Structure
3. Resource Breakdown Structure
4. Bottom-up Estimating
5. Parametric Estimating
6. Analogous Estimating
7. Expert Judgment
8. Normalization
9. Dependencies
10. Critical Path Method (CPM)
11. Program Evaluation and Review Technique (PERT)
12. Common Calculations
13. Lags in Precedence Relationship
14. Gantt Charts
15. Crashing Projects
16. Theory of Constraints
17. Critical Chain Project Scheduling
18. Causes of Project Delay
19. How Project Teams Waste Time
20. Earned Value
21. Schedule Variance
22. Schedule Performance Index
23. Change Management