



Risk Management

Duration: 35 hours

Class size: Up to 24

Languages: English/Spanish/Portuguese

Description: Compared to project work done in the past, all high-tech projects are more time-constrained, pose greater technical challenges, and rarely seem to have enough resources, leading to increased project risk. This course is aiming to help Project Management practitioners to choose wisely under conditions of uncertainty, introducing risk and decision analysis using probabilistic techniques for all types of evaluations.

Contents:

1. Risk and Decision Analysis
2. Decision Analysis Process
3. Decision Policy
4. Utility and Multi-Criteria Decisions
5. Decision Trees
6. Value of Information
7. Monte Carlo Simulation
8. Project Risk Management
9. Modeling Techniques
10. Probability Distribution Types
11. Judgments and Biases
12. Relating Risks
13. Stochastic Variance
14. Exploiting the Best of Critical Chain and Monte Carlo Simulation
15. Optimizing Project Plan Decisions
16. Probability Rules
17. Expert Systems in Project Management
18. Planning for Risk Management
19. Identifying Project Scope Risk
20. Identifying Project Schedule Risk
21. Identifying Project Resource Risk
22. Managing Project Constraints and Documenting Risks
23. Quantifying and Analyzing Activity Risks
24. Managing Activity Risks
25. Quantifying and Analyzing Project Risk
26. Managing Project Risk
27. Monitoring and Controlling Risky Projects
28. Closing Projects