

"PMI-SP Exam Prep: Master Project Scheduling Essentials"

Course Introduction:

The "PMI-SP: PMI Scheduling Professional Exam Prep" course is designed to equip aspiring project scheduling professionals with the knowledge and skills necessary to excel in the PMI-SP certification exam. Over the span of four days, participants will delve into the intricacies of project scheduling, learning to develop, manage, and maintain schedules that meet project objectives. Each module is carefully crafted to build upon the last, ensuring a comprehensive understanding of the scheduling function within project management. By the end of this course, participants will be well-prepared to tackle the PMI-SP exam with confidence.

Day 1: Introduction to Project Scheduling

- Understanding the Role of a Scheduling Professional

Gain insight into the responsibilities and impact of a scheduling professional within project management.

- Overview of Project Management and Scheduling

Explore the fundamentals of project management and the critical role of scheduling in project success.

- Key Scheduling Terminologies and Concepts

Familiarize yourself with essential terms and concepts that are foundational to effective project scheduling.

- Introduction to Scheduling Tools and Techniques

Discover various tools and techniques used in the development and management of project schedules.

Day 2: Schedule Planning and Development

- Identifying Project Activities and Milestones

Learn to accurately define and sequence activities and milestones to ensure smooth project

progression.

- Estimating Activity Durations and Resources

Master techniques for estimating the time and resources required to complete project activities.

- Developing a Project Schedule Network Diagram

Understand how to create and interpret network diagrams that visually represent project schedules.

- Utilizing Critical Path Method (CPM) and Program Evaluation and Review Technique (PERT)

Explore the application of CPM and PERT in optimizing project schedules and managing uncertainties.

Day 3: Schedule Monitoring and Controlling

- Techniques for Schedule Monitoring

Learn methods for tracking progress and identifying variances in project schedules.

- Implementing Schedule Control Processes

Discover strategies to implement effective control processes to keep schedules on track.

- Analyzing Schedule Variances and Performing Earned Value Management (EVM)

Understand how to analyze variances and apply EVM techniques for schedule performance assessment.

- Utilizing Scheduling Software for Monitoring and Control

Gain practical experience in using scheduling software to enhance monitoring and control efforts.

Day 4: Advanced Scheduling Concepts and Exam Preparation

- Risk Management and Schedule Risk Analysis

Study the integration of risk management into scheduling and how to conduct schedule risk analysis.

- Resource Optimization Techniques

Explore methods for optimizing resource allocation to enhance schedule efficiency.

- Exam Strategies and Practice Questions

Review exam strategies and engage with practice questions to reinforce knowledge and test readiness.

- Final Review and Course Conclusion

Recap key concepts, address remaining questions, and prepare for the PMI-SP certification exam.

By following this structured curriculum, participants will gain a robust understanding of project scheduling principles and practices essential for the PMI Scheduling Professional (PMI-SP) certification.