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## COURSE OUTLINE

### " Integrated Master Scheduling – Part 2"

Extending the knowledge base from previous courses into larger and more complex project management environments. This course is available in a convenient self-study CD-ROM format. Course explores the complex integration methodologies so essential to managing large, complex projects.

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## Part 2

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### 10. Introduction

*Description:* Workshop Objectives; Thorough exploration of the integration methodologies – Vertical, Horizontal and Cost-Schedule

### 11. Vertical Integration

*Description:* The processes and disciplines of summarizing detail tasks and events to provide the various levels of management schedule information that is appropriate to their level of management and reign of responsibility

*Problem:* Produce and depict a summary schedule from a detail model, and then add and depict status to this schedule

### 12. Horizontal Integration

*Description:* The processes and disciplines of breaking a large project into several detail model files, while still accounting for the work and resource dependencies that exist between these files

*Problem:* Explore the various methods and processes of integrating data (work and resource dependency) that resides in different file structures

### 13. Cost-Schedule Integration

*Description:* The processes and disciplines of spreading project budget among all the detail tasks and using this as the basis for a performance measurement system

*Problem:* Use EV methods to spread budgets on detail tasks and then assess and record their Earned Value; also depict the EV information using the various EV parameters (variances, indexes, etc.)

### 14. Advanced CPM in Large Complex Project Environments

*Description:* The effects of large complex projects on time analysis, and various mechanisms that are used to enhance float analysis – Margin nodes and path tracking; also what is a Schedule Baseline in the context of Earned Value methodologies?

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## 15. Additional Resource Modeling and Analysis Processes

*Description:* Additional resource modeling and analysis processes; specifically using task relationships to simulate resource availability

## 16. Database Auditing

*Description:* What to audit and how to audit a project management database to insure that proper modeling structure and disciplines are being utilized

*Problem:* – Given various audit results, analyze what problems they reflect in the project model and the actions that should be taken with each of them

## 17. Evaluating Your Project Management Tool

*Description:* Test cases and processes to rigorously evaluate all aspects of a Project Management Software Tool; Data and file structure and management, the various output products and their detail requirements, supporting the complex integration methodologies, various anomalies, and needed but not currently available utilities

## 18. Summary / Conclusions

*Description:* Summary of the course and the conclusions that can be realized