



Practical Project Scheduling

Easy CPM 1-Day Workshop

Session 1: Introduction to scheduling & the 5-STEPS to success

Introductions & house keeping

Introduction to 5-STEPS and Easy CPM

Step 1- Planning the planning

- Designing a 'Useful Schedule'
 - o Key schedule design questions
 - o Level of detail needed
 - o Planning the work
- Establish the Schedule Framework
 - o Development sequence
 - o Define the project scope
 - o Understand the schedule stakeholders
 - o Schedule levels & Rolling Wave
 - o The update cycles
 - o Calendars, codes and resources
- Obtain signoff on the plan

Session 2: Build the baseline

Step 2 - Develop the Schedule

- Define the project Milestones
- Design the project Activities
- Sequence the Activities
 - o Link types
 - o Issues and problems with Links
- **Exercise #1 (build logic network)**
- Determine Activity Durations
- Critical Path Analysis
- **Exercise #2 (Analyse the network)**
- Float and the critical path

Session 3: Resources and Updating

- Constraints
- Crashing and Fast Tracking
- Validate the schedule

Step 3 - Set Reasonable Objectives

- Resources
 - o Identify resources
 - o Negotiate to acquire
 - o Resource aggregation, smoothing and levelling
 - o Impact on Float and the Critical Path
- **Exercise #3 (resource flows)**
- Set the project baseline schedule
- Contingencies

Step 4 – Maintaining the plan & Manage for success

- The power of regular updates
 - o Involve stakeholders
 - o Gain and maintain commitment
- Statusing and Updating
 - o Data collection
 - o Statusing & Review
 - o Updating & Agree
 - o Information distribution
- **Exercise #4 (update)**
- Roles and responsibilities

Session 4: Quality, Contracts, and Claims

Step 5 – Reviewing and validating the schedule

- Validating the schedule
- Measuring conformance
 - o Standards
 - o DCMA 14 Point assessment
 - o Assessment tools
- Understanding Risk and Uncertainty
 - o PERT
 - o Monte Carlo (the moving critical path)
 - o **Exercise #5 Estimate the required contingency**
- Contracts and 'the schedule'
 - o The 'Delay and Disruption Protocol'
 - o **Exercise #5 (problem solving) – the value of teams**
 - o Useful resources

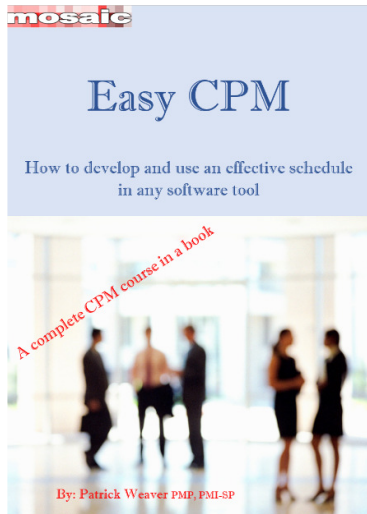
Conclusion

- Wrap-up and final remarks

Course inclusions

Each trainee will receive a free copy of:

Easy CPM - How to develop and use an effective schedule in any software tool



Easy CPM is a self-paced course-in-a-book, supported by Mosaic Project Services Pty Ltd. The purpose of this 'course-in-a-book' is to provide practical guidance to people involved in developing, or using schedules based on the Critical Path Method (CPM). The book is designed to act as a reference and practice guide to enhance the effectiveness of their scheduling practice after they have learned to use the CPM scheduling software of their choice.

The book is divided into six sections, each section includes guidance on an aspect of CPM scheduling, references, and a set of 20 questions; with the answers in Section 7. Section 8 incorporates the appendix.

Open the Book2Look preview to see the full table of contents, sample pages, and sample questions & answers. The free preview is available at: <https://www.book2look.com/book/kjAKgHncnf>

For more information see: <https://mosaicprojects.com.au/shop-easy-cpm.php>

To discuss your CPM scheduling training requirements, contact:

Mosaic Project Services Pty Ltd.

Tel: +61 (0)3 9696 8684

Email: training@mosaicprojects.com.au

Web: <https://mosaicprojects.com.au/contact.php>

For more on our CPM Training see:

<https://mosaicprojects.com.au/Training-WS-CPM.php>