



PROJECT MANAGEMENT | PM-039

Project Estimation Techniques

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Course content

Why Attend

Poor estimates are a root cause of unrealistic plans, budget overruns and loss of credibility. Better estimating techniques produce more reliable plans and commitments.

This Aractech course covers estimation principles, analogous, parametric and bottom-up estimating, three-point and PERT estimates, agile estimation, managing uncertainty and bias, estimate reviews and calibration. Participants estimate case projects using multiple techniques.

Course Methodology

- Estimation exercises
- Case studies
- Group estimating games
- Discussions
- Reviews

Course Objectives

- Explain estimation principles and accuracy
- Apply analogous, parametric and bottom-up methods
- Use three-point and PERT estimating
- Apply agile estimation techniques
- Recognise and reduce estimating bias
- Review and calibrate estimates

Target Audience

- Project managers
- Planners

Course content

- Engineers
- Product owners

Course outline

Detailed course outline

Day-by-day outline for Project Estimation Techniques.

Day 1 - Estimation Principles

- 09:00-09:45 | Why estimates fail
- 09:45-10:30 | Accuracy and precision
- 10:30-11:00 | Estimate classes
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Estimate classes (continued)
- 11:45-12:30 | Assumptions
- 12:30-14:00 | Exercise: Estimate critique

Day 2 - Estimating Methods

- 09:00-09:45 | Analogous
- 09:45-10:30 | Parametric
- 10:30-11:00 | Bottom-up
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Bottom-up (continued)
- 11:45-12:30 | Expert judgement
- 12:30-14:00 | Lab: Method comparison

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Day 3 - Uncertainty

- 09:00-09:45 | Three-point estimates
- 09:45-10:30 | PERT
- 10:30-11:00 | Monte Carlo basics
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Monte Carlo basics (continued)
- 11:45-12:30 | Contingency
- 12:30-14:00 | Exercise: Range estimates

Day 4 - Agile Estimation

- 09:00-09:45 | Story points
- 09:45-10:30 | Planning poker
- 10:30-11:00 | Velocity
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Velocity (continued)
- 11:45-12:30 | Forecasting
- 12:30-14:00 | Practice: Planning poker

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Day 5 - Bias and Calibration

- 09:00-09:54 | Cognitive biases
- 09:54-10:48 | Reference class forecasting
- 10:48-11:00 | Reviews
- 11:00-11:30 | Coffee break
- 11:30-12:12 | Reviews (continued)
- 12:12-13:06 | Historical data
- 13:06-14:00 | Capstone: Estimation report

Seminar dates

Available seminar dates

Live dates and pricing for Project Estimation Techniques generated from the course details page.

Date	Location	Format	Fee
9 - 13 November 2026	Vienna	Classroom	€3,225
14 - 18 December 2026	Barcelona	Classroom	€2,815
18 - 22 January 2027	Munich	Classroom	€3,225
15 - 19 February 2027	Dubai	Classroom	€1,845
15 - 19 March 2027	Istanbul	Classroom	€1,978
19 - 23 April 2027	Rome	Classroom	€3,460
17 - 21 May 2027	Istanbul	Classroom	€1,978
21 - 25 June 2027	Cape Town	Classroom	€1,625
19 - 23 July 2027	Barcelona	Classroom	€2,815
16 - 20 August 2027	Munich	Classroom	€3,225

Seminar dates

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20 - 24 September 2027	Dubai	Classroom	€1,845
18 - 22 October 2027	Istanbul	Classroom	€1,978
15 - 19 November 2027	Rome	Classroom	€3,460
20 - 24 December 2027	Istanbul	Classroom	€1,978
9 - 13 November 2026	Online / Live	Online / Live	€1,815
14 - 18 December 2026	Online / Live	Online / Live	€1,815
18 - 22 January 2027	Online / Live	Online / Live	€1,815
15 - 19 February 2027	Online / Live	Online / Live	€1,815
15 - 19 March 2027	Online / Live	Online / Live	€1,815
19 - 23 April 2027	Online / Live	Online / Live	€1,815

Seminar dates

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Date	Location	Format	Fee
17 - 21 May 2027	Online / Live	Online / Live	€1,815
21 - 25 June 2027	Online / Live	Online / Live	€1,815
19 - 23 July 2027	Online / Live	Online / Live	€1,815
16 - 20 August 2027	Online / Live	Online / Live	€1,815
20 - 24 September 2027	Online / Live	Online / Live	€1,815
18 - 22 October 2027	Online / Live	Online / Live	€1,815
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