



QUALITY AND PRODUCTIVITY | QP-027

Work Measurement and Time Study

Contact

+31 85 7444446
info@aractech.com
https://aractech.com

Address

Waarderweg 50, 2031PB Haarlem - Netherlands.

Course content

Why Attend

Reliable time standards are needed for capacity planning, costing, scheduling, staffing and productivity improvement. Work measurement provides objective methods to establish them.

This Aractech course explains method study and work measurement techniques: time study, rating, allowances, predetermined motion time systems, work sampling, standard data, and the use of standards in planning and improvement. Participants conduct time studies and calculate standard times.

Course Methodology

- Practical exercises
- Video-based time studies
- Calculation workshops
- Case studies
- Group discussions

Course Objectives

- Explain the purpose of method study and work measurement
- Conduct time studies and apply rating
- Apply allowances to calculate standard times
- Use work sampling and predetermined time systems
- Develop standard data
- Apply standards to planning and improvement

Target Audience

- Industrial engineers
- Production planners

Course content

- Operations managers
- Continuous improvement professionals

Course outline

Detailed course outline

Day-by-day outline for Work Measurement and Time Study.

Day 1 - Work Study Foundations

- 09:00-09:39 | Productivity and work study
- 09:39-10:18 | Method study
- 10:18-10:57 | Work measurement
- 10:57-11:00 | Ethics and transparency
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Ethics and transparency (continued)
- 12:05-12:43 | Uses of standards
- 12:43-14:00 | Exercise: Method study

Day 2 - Time Study

- 09:00-09:39 | Equipment
- 09:39-10:18 | Breaking work into elements
- 10:18-10:57 | Timing techniques
- 10:57-11:00 | Performance rating
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Performance rating (continued)
- 12:05-12:43 | Number of cycles
- 12:43-14:00 | Lab: Time study

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Day 3 - Standard Times

- 09:00-09:39 | Allowances
- 09:39-10:18 | Calculating standard time
- 10:18-10:57 | Validating standards
- 10:57-11:00 | Documentation
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Documentation (continued)
- 12:05-12:43 | Updating standards
- 12:43-14:00 | Exercise: Standard time calculation

Day 4 - Other Techniques

- 09:00-09:39 | Work sampling
- 09:39-10:18 | Predetermined motion time systems
- 10:18-10:57 | Standard data
- 10:57-11:00 | Estimating
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Estimating (continued)
- 12:05-12:43 | Technology tools
- 12:43-14:00 | Lab: Work sampling

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Day 5 - Applying Standards

- 09:00-09:45 | Capacity planning
- 09:45-10:30 | Staffing
- 10:30-11:00 | Costing
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Costing (continued)
- 11:45-12:30 | Performance measurement
- 12:30-13:15 | Improvement
- 13:15-14:00 | Capstone: Work measurement study

Seminar dates

Available seminar dates

Live dates and pricing for Work Measurement and Time Study generated from the course details page.

Date	Location	Format	Fee
2 - 6 November 2026	Barcelona	Classroom	€2,815
21 - 25 December 2026	Frankfurt	Classroom	€1,875
18 - 22 January 2027	Dubai	Classroom	€1,845
15 - 19 February 2027	Istanbul	Classroom	€1,978
15 - 19 March 2027	Vienna	Classroom	€3,225
19 - 23 April 2027	Barcelona	Classroom	€2,815
17 - 21 May 2027	Paris	Classroom	€3,825
21 - 25 June 2027	Frankfurt	Classroom	€1,875
19 - 23 July 2027	Barcelona	Classroom	€2,815
16 - 20 August 2027	Frankfurt	Classroom	€1,875

Seminar dates

Available seminar dates

Live dates and pricing for Work Measurement and Time Study generated from the course details page.

Date	Location	Format	Fee
20 - 24 September 2027	Geneva	Classroom	€4,315
18 - 22 October 2027	Istanbul	Classroom	€1,978
15 - 19 November 2027	Cape Town	Classroom	€1,625
20 - 24 December 2027	Barcelona	Classroom	€2,815
2 - 6 November 2026	Online / Live	Online / Live	€1,815
21 - 25 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
15 - 19 November 2027	Online / Live	Online / Live	€1,815
20 - 24 December 2027	Online / Live	Online / Live	€1,815