MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

CARRY OUT MEASUREMENTS & CALCULATIONS

"Precision on Site Starts with Accurate Data"

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

► **Available delivery methods:** In-House Training

Introduction

This hands-on training equips participants with the skills to perform precise measurements and carry out essential calculations for construction, civil, and technical tasks. Emphasizing accuracy, practical application, and safety, the course enhances foundational knowledge critical for quality project delivery.

Objectives

By the end of this course, participants will be able to:

- Accurately interpret technical drawings and site plans.
- Perform linear, area, and volume measurements using standard tools.
- Apply essential mathematical concepts to construction scenarios.
- Ensure measurement accuracy aligned with safety and quality standards.
- Document and communicate findings effectively.

MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

Why Attend

This course is ideal for professionals who need to sharpen their measurement skills, reduce project errors, and contribute more effectively to field operations. Whether you're a site technician, supervisor, or junior engineer, mastering measurement fundamentals is essential to your daily work.

Target Audience

- Site Engineers & Technicians
- Construction Supervisors
- Surveyors and Inspectors
- Technical Officers
- Vocational/Apprentice Trainees

Individual Benefits

- Improved accuracy in onsite measurements
- Confidence in applying construction math
- Reduced errors and rework
- Professional development and employability

Organizational Benefits

- Enhanced productivity through fewer measurement errors
- Better compliance with project specifications
- Accurate data for cost estimation and material planning
- Improved communication between technical teams

Instructional Methodology

- Interactive lectures and live demonstrations
- Hands-on use of measuring tools
- Scenario-based group activities
- Quizzes and guided calculations
- Field practice with feedback

MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

Course Outline

DETAILED 5-DAY COURSE OUTLINE (Customizable) Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Measurement Basics and Tools

- Module 1: Introduction to Measurement Systems (07:30–09:30)
- Module 2: Tools – Tapes, Rules, Laser Devices, Calipers (09:45–11:15)
- Module 3: Field Practice: Linear and Angular Measurements (11:30–01:00)

Day 2: Construction Math Applications

- Module 4: Units, Conversions, Ratios (07:30–09:30)
- Module 5: Area, Volume, and Perimeter Calculations (09:45–11:15)
- Module 6: Practical Calculations in Blueprints (11:30–01:00)

Day 3: Technical Drawings and Interpretation

- Module 7: Reading Plans and Sections (07:30–09:30)
- Module 8: Scaling and Dimensions (09:45–11:15)
- Module 9: Translating Drawings to Field Measurements (11:30–01:00)

Day 4: Complex Site Calculations

- Module 10: Slopes, Elevations, and Angles (07:30–09:30)
- Module 11: Estimating Quantities and Material Needs (09:45–11:15)
- Module 12: Documentation and Error Checks (11:30–01:00)

Day 5: Integration and Practice

- Module 13: Field-Based Measurement Project (07:30–09:30)
- Module 14: Review and Troubleshooting Techniques (09:45–11:15)
- Module 15: Final Evaluation and Certificate Ceremony (11:30–01:00)

Certification

Participants will receive a Certificate of Completion, demonstrating their practical competence in conducting measurements and calculations in construction environments, supporting future roles and further certifications.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

Follow us: **Facebook** **Twitter** **YouTube** **LinkedIn** **Instagram**

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.