



Wolfram Mathematica

The world's most advanced global computing environment

Expository Workshop of Mathematica V7

Date: 15 July 2009

Course Objective

To provide in a one-day training course direct experience with all of the basic features of *Mathematica* as well as a comprehensive foundation for developing advanced applications of the system.

Presenter

Mr. Peter Lim / Mr. Fred Ng

Course Outline

MODULE 01: Mathematica basic operations and computations

MODULE 02: Mathematics (Part 1 and Part 2)

MODULE 03: Graphics

MODULE 04: Notebooks and Typesetting

MODULE 05: Mathematica Programming I

MODULE 06: Data Handling and Data Sources

RM100 ONLY!



Training Benefits:

- A set of printed course notes.
 - A copy of 15-day full Mathematica Trial.
 - Free refreshment, door gift & drink included.
 - Practical, hands-on workshop to bring users up to speed quickly
 - Course certificate.
 - Small class size & trainee-focused
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Coordinator

Mazlinda Binti Zainy

mazlinda@science.upm.edu.my

TIME: 9.30am~5.00pm (1 day)

Venue

Faculty of Science

Tel: +6 03 8946 6652

Fax: +6 03 8945 4454

Call NOW for more details! Mr. Fred Ng 03-33241474 / 03-2096 9025

Email: Fred@oemscorp.com Website: <http://www.oemscorp.com>



OPTIMAL Expert Management Solutions Sdn Bhd

12-1(1st Flr), Jalan Jasmin 2, Bandar Botanik, 41200, Klang, Selangor, D.E.

Phone: 03-2096 9025 Fax: 03-2096 9026

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Expository Workshop of *Mathematica* V7

Course Objective

To give a broad overview as well as direct experience of the major new & basic features in Mathematica, including information on graphics and visualization, dynamic interactivity, core language, symbolic interface construction, importing and exporting, and using example-driven materials, as a comprehensive foundation for university students & lecturers.

Target Audience

The fundamental course is designed primarily for people who have little or no experience with the system. This course can also be helpful for experienced users who would like to broaden their basic understanding of *Mathematica* and for those interested in learning exactly what the system can do.

Delivery Type

Courses are delivered as instructor-led classes in computer classroom facilities. Course topics are presented with alternating sessions of lectures and exercises.

Syllabus

This basic course is organized into Six segments.

1 Introduction

Step-by-step instruction on performing basic operations, building up computations, and navigating the user interface as well as a description of sources for additional information and a tour of the features of the system.

2 Mathematics

Tour of the mathematical features of the system with a focus on symbolic and numerical calculations

3 Graphics

Two- and three-dimensional plotting, plotting data, using options, labeling plots, and manipulating graphical expressions

4 Notebooks and Typesetting

Introduction to the notebook interface, cells and cell styles, style sheets, typesetting, and formatting features

5 Programming I

Introduction to the *Mathematica* programming language with emphasis on familiar programming tasks involving procedural, functional, and rule-based styles of programming

6 Data Handling & Data Sources

Powerful primitives and sources for large volumes of data in hundreds of formats. Access to an ever-growing library of carefully curated and continually updated data maintained by Wolfram Research.

Prerequisites

Course attendees are expected to have experience with common features of modern computer software. Also helpful are knowledge of mathematics through elementary calculus and experience with computer programming at the level of an introductory course in any computer programming language. No prior *Mathematica* experience is required for this course.

Expository Workshop of Mathematica V7 2009

MO101: Expository Workshop of Mathematica V7

Date: 15 July 2009

Venue: Universiti Putra Malaysia

Time: 9.30am to 5.00pm

REGISTRATION FORM

APPLICANT'S DETAILS:

Full Name:					
Email:					
Faculty / Department:					
In which year:					
Postal Address:					
City:		State:		Nationality:	
Mobile Phone:		Telephone:		Fax:	

.....
Signature

.....
Date

TERMS & CONDITIONS:

1. You may submit the registration by Fax (**03-20969026**), By Email (INFO@OEMSCORP.COM) or By Post directly to OPTIMAL Expert.
2. The registration form is also available for download from www.oemscorp.com/wolfram.asp
3. All registrations must be received by OPTIMAL Expert **seven (7) days** before the training date so that your seat booking can be officially confirmed by IGS.
4. Each class is limited for 20 seats on the first-come-first-served basis.
5. All successful registrations will be notified by Email/SMS **three (3) days** before the training date.
6. Last-minute failure of class attending might result in denial of future registrations.
7. OPTIMAL Expert reserves the right to cancel or reschedule any courses. Every effort will be made to inform participants of the change.

ENQUIRIES:

- Kindly contact **Mazlinda Zainy**, University of Putra, **Tel: +603-8946 6652**
- You may also browse <http://www.oemscorp.com> or call +03-33241474 for further information.



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