

Welcome to sign up for MATLAB training course (*Courses Taught in English*)
 MATLAB is a high-performance language for technical computing. It combines a desktop environment tuned for iterative analysis and design processes with a programming language that expresses matrix and array mathematics directly. The course provides a comprehensive introduction to the MATLAB® technical computing environment. **No prior programming experience or knowledge of MATLAB is assumed.** Themes of data analysis, visualization, modeling, and programming are explored throughout the course.

Course	Date	Time	Location
MATLAB Basic I	12/11 (三)	13:10~16:10	R2624
MATLAB Basic II	12/18 (三)	13:10~16:10	R2624
MATLAB Advance	12/25 (三)	13:10~16:10	R2624

For Question: Email to Bruce (bruce@saturn.yzu.edu.tw) or contact (03)463-8800#2531



Yuan-Ze Univ MATLAB Course

▶ **Time**

13:10-16:10

▶ **location**

Classroom 2624, 6F, Building 2

▶ **Registration or question**

Email to Bruce (bruce@saturn.yzu.edu.tw) or contact #2531

▶ **Course Detail**

MATLAB Basic I

Data : 12/11

Start to use MATLAB

1. Introduction for MATLAB User Interface
2. How to plot in MATLAB
3. Introduction for MATLAB variables

Working with the MATLAB User Interface

- Reading data from file
- Saving and loading variables
- Plotting data

Variables and Expressions

- Entering commands
- Creating variables & Data Type
- Getting help
- Accessing and modifying values in variables
- Creating character variables

MATLAB Basic II

Data : 12/18

Introduction for

programming process in MATLAB environment

Automating Commands with Scripts

- A modeling example
- The Command History
- Creating script files
- Running scripts
- Code sections
- Publishing scripts

MATLAB Adv

Data : 12/25

1. How to write and call function M file in MATLAB
2. Introduction for different type of function

Writing Functions

- Creating functions
- Calling functions
- Workspaces
- Path and precedence

Structuring Code

- Private functions
- Subfunctions
- Nested functions
- Function handles
- Anonymous functions
- Precedence rules
- Comparison of function types