

## COURSE DESCRIPTIONS

### **MapInfo Professional Level I**

#### **Description**

This course defines the concept of a Geographic Information System (GIS) and provides trainees with an understanding of MapInfo functionality that will enable them to create maps and analyse their data in a spatial context. We have also included several self-paced problem-solving exercises that are designed to reinforce the various topics and features covered.

#### **Who should attend**

The course has been specifically developed for the novice MapInfo Professional user and those who have not had any formal training seeking well rounded knowledge.

#### **Course Duration**

2 days

#### **Course Cost**

\$1,430.00 (including GST)

#### **Course Modules**

MapInfo Professional Basics

- Layers, Tables and Workspaces
- Displaying and Manipulating Spatial Information

Selections and Analysis

- Gathering and Querying Information from MapInfo
- Creating Thematic Maps

Creating and Manipulating Data

- Geocoding and Creating Points
- Creating Buffers
- Opening Data Files

Data Presentation / Output

- Layouts
- Electronic Output

### **MapInfo Professional Level II – Map Creation & Data Management**

#### **Description**

The MapInfo Level II Course covers materials that will allow the user more control with the functionality that lies behind MapInfo. Have MapInfo automatically clean your data, both tabular and spatial. Learn about all the options that will make Geocoding easier.

#### **Who should attend**

This course is recommended for advanced users of MapInfo Professional who wants to take MapInfo to the next level and would like to learn more advanced Data Creation and Manipulation techniques.

#### **Duration**

2 days

#### **Course Cost**

\$1,430.00 (including GST)

#### **Course Modules**

MapInfo Professional in a Multiple User Environment

- Share Data Between Multiple Users
- Installation Strategies

Object Editing and Cleaning

- Creating and Editing Objects
- Exploring the Objects Menu
- Cleaning Spatial Data

Advanced Geocoding

- Geocoding using server
- Exploring Additional Advanced Geocoding Options

Table Maintenance & DBMS

- Managing Metadata
- Exploring ODBC and DBMS
- Importing Data from other formats
- Using the Universal Translator
- Opening Raster Images: Display / Register within MapInfo
- Accessing WMS and WFS Servers

Automating Data Processes

- Exploring MapBasic Tools
- Creating Scripts and Editing Workspaces

### **MapInfo Professional Level II – Geographic Analysis & Presentation**

#### **Description**

Discover techniques that are invaluable for analysis such as Thematic and Bivariate Thematic Mapping and Advanced SQL. Create reusable templates for your presentations and techniques used for better layouts.

#### **Who should attend**

This course is recommended for advanced users of MapInfo Professional who wants to take MapInfo to the next level and would like to learn more advanced Spatial Analysis techniques.

#### **Duration**

2 days

#### **Course Cost**

\$1,430.00 (including GST)

#### **Course Modules**

MapInfo and MapBasic Functions

- Using MapInfo functions
- Updating Data
- Exploring MapBasic tools supplied with MapInfo
- Creating Scripts and Editing Workspaces

Analysing Data

- Creating Thematic Maps & Bivariate Thematic Maps
- Exploring different types of Thematic Maps (incl 3D Maps and Prism Maps)
- Region Analysis
- Redistricting

Advanced SQL (Structured Query Language)

- Essentials of Data Querying
- Geographic Operators and Functions
- Advanced Querying

Creative Map Annotation, Presentation and Output

- Improve the presentation of your maps

## **MapCAD Tools**

### **Description**

This is a comprehensive half day course dedicated to the MapCAD tools in MapInfo Professional . You will learn how to use the MapCAD tools which add functionality to create the right location-data for any analysis needed. The MapCAD tools expand the scope of asset data creation and management capabilities by the ability to create more precise location data. These tools also improve productivity by providing the right tool for the task.

### **Who should attend**

This course is ideal for those individuals who may already be using CAD tools in other programs and then importing that data into MapInfo Professional. Individuals employed in roles such as engineering, planning and utilities may also benefit greatly from this course.

### **Duration**

1/2 day

### **Course Cost**

\$660.00 (including GST)

### **Course Modules**

- Create, edit and update individual property (parcel) boundaries
- Draw buildings of fixed size
- Change the angle of the building to match roads and parcels
- Move or position buildings, cable, wire, and other assets at specific distances from other buildings, roads or other objects
- Easily create aligned, paired, matching or "mirrored"
- Buildings by copying, aligning, flipping and rotating objects
- Create parcels according to descriptive definitions ("metes and bounds") – and/or with boundaries relative to other objects and at specific angles

## **Customising MapInfo with MapBasic**

### **Description**

A MapBasic Programming course introduces the MapBasic programming language for users who intend to customise MapInfo. The course is presented using hands-on examples of programming in MapBasic in association with realistic and up-to-date MapInfo data.

### **Who should attend**

Experienced Users who aim to customise or enhance MapInfo to suit their needs.

### **Duration**

2 days

### **Course Cost**

\$1,548.80 (including GST)

### **Course Modules**

This comprehensive introductory course will cover the syntax of MapBasic, as well as examining and coding programs that will automate repetitive tasks, read and write from tables, utilise MapInfo SQL capability and more.

- Begin developing your own customised applications
- Understand the MapBasic language elements
- Use MapBasic to open, read, create and modify data
- Create a user interface with customised menus and dialogs
- Integrate your program with MapInfo Professional
- Manipulate graphical objects and maps using MapBasic

This course is instructed using MapInfo Professional and MapBasic for Windows.

## **Vertical Mapper**

### **Description**

This training course covers the main features and functionality of Vertical Mapper. It covers the Key areas of how to create Grids and how to analyse Grids. Different methods for creating grids are explored and compared. There are practical exercises in each section to reinforce the concepts covered.

### **Who should attend**

Those wanting to use Vertical Mapper for creation or analysis of Spatial Data, using methods that are not available in other mapping products. Students are expected to be familiar with MapInfo professional as a pre-requisite for this course.

### **Duration**

2 days

### **Course Cost**

\$1,430.00 (including GST)

### **Course Modules**

Vertical Mapper Fundamentals

- Vector versus Raster Graphics
- What are Grids
- Numerical versus Classified Grids

Creating Grids

- Interpolation Methods
- How to choose an Interpolation Method

Cross Sections

- Creating a Cross-Section

Contouring

- Creating Contours from Grids

Viewshed Analysis

Grid Querying

Grid Tools

Point Density Grids

Creating Grids Using Spatial Modelling

Using the 3D Grid View Function

## **Exponare – Administrator**

### **Description**

This training course covers the setup and configuration of Exponare.

This two day course is designed to give designated Administrators a working knowledge of the administration and configuration of the system. Attendees must have a good grounding in the basic operation of Exponare.

The configuration tool within Exponare provides administrators with complete control over the user interface, functionality, data sets, queries and print templates. All aspects of the above will be covered in the training.

### **Who should attend**

This course is recommended for the System Administrator's, GIS Officers, or person's assigned to configuring Exponare within your organisation. Attendees should have completed the End User Training program, or have a good operational knowledge of the system.

### **Duration**

2 days

### **Course Cost**

\$1,562.00 (including GST)

### **Course Modules**

Installing Exponare  
Users and User Interfaces  
Menus and Toolbars  
Work Contexts  
Databinds and Queries  
External Databases

Print Templates  
External Application Links  
Workspaces

#### Course Aims

At the conclusion of this course the participant should:-  
Be able to setup and configure Exponare using own data.  
Be able to control of the user interface and functionality.  
Be able to manage user access to the Exponare functionality and associated data.

#### Course Availability

This course is offered on a-demand basis, with a minimum of 4 attendees at one time.

#### **AnySite Australia**

This introductory course covers the use of AnySite Australia for reliable site analysis and is perfect for those working in either the Commercial Business or Public Sectors. The course covers the fundamentals of AnySite, such as use of the Configurator to Customise Reporting and Map Preferences, Site Location, Mapping Tools, Labelling, Working with Layers, Site Analysis, Working with and Customising Reports, Creating Thematics and Analysing Hot Spots.

Attendees will then be able to incorporate their own data layers and make important decisions about customers and site locations with greater confidence, with this knowledge.

#### Who should attend

The course has been specifically developed for analysts in retail, property, telecommunications, banks, insurance and the public sector. This training will give you.....

#### Value to customers in the Commercial sector:

Which locations provide the highest chance for success? Early mistakes can be very costly.  
How many sites can each territory support?

#### Value to customers in the Public Sector:

How far are people travelling to access our services and facilities?  
Where should we locate the new education facility? Is the course mix appropriate for the needs of the local community? (i.e. TAFE institution)  
Assess potential locations for a skating half pipe or children's park.

#### Course Duration

1 day

#### Course Cost

\$990.00 (including GST)

#### Course Modules

- Site location techniques via address or coordinates.
- Analyse demographic information around a potential location using rings, drivetimes, or population captures.
- Generate customisable reports that contain demographic and proprietary information critical to your business needs.
- Mapping tools, setting favourite views, viewing an entire site, setting custom zoom widths.
- Working with layers, such as custom locations, adding a location layer by address.
- Labelling objects, modifying their styles, text and annotations and autolabelling objects.
- Integrate your proprietary data into the application

- Create and manage standard and personal map preferences.
- Customise report and map layout by user or groups of users.
- Create hot spots to identify concentrations of your customers.
- Create a graphical representation of the demographic data using thematics.

#### **MapXtreme 2005**

This course is a full 2 day training course for both desktop and simple web application development. All classes will be held with a maximum of 8 attendees to guarantee a high degree of personal attention.

#### Description

This training course is an introduction to using MapXtreme 2005. This course has been designed to include a maximum amount of hands on, problem solving work. You will use MapXtreme 2005 to build desktop and web based applications. A mixture of instructor led and self paced exercises is used throughout the class. This course is taught using the currently shipping version of MapXtreme 2005.

#### Who should attend

This course is valuable for software developers and programmers who want to add mapping to their Windows applications.

#### Duration

2 days

#### Course Cost

\$2,425.50 (including GST)

#### Pre-requisites

Some programming experience in a .NET language is assumed. The programming exercises will be conducted using Microsoft VB.NET or C#. A familiarity with the Visual Studio .NET development environment is extremely useful. An understanding of desktop mapping concepts or previous attendance on the Introduction to MapInfo Professional course will also be beneficial.

#### Goals and Objectives of this Course

After completion of this course you will be able to:

- Learn the Architecture of MapXtreme 2004
- Create a Desktop Map Application
- Create a Web-based Map Application
- Add Different Formats of Data to the Map
- Analyse Data with Thematic Maps
- Analyse Data with Queries
- Utilize Map Tools
- Work with Selections
- Create Data
- Modify Styles