

MDD USING STRUCTURED TECHNIQUES

3 DAYS



COURSE OVERVIEW

This MDD course is very practically-oriented and will help students not only in learning the basic principles and techniques of non-real-time and real-time analysis and design but also how to apply these principles and techniques for the purpose of producing an understandable platform independent model of requirements from a set of (perhaps) vague and unclear needs/requirements.

OBJECTIVES

At completion of the course, students will know how to construct both a clear Platform Independent Model (PIM) of requirements (specification) and a good Platform Specific Model (PSM) of design. They will also develop a clearer understanding of the need for undertaking the analysis and design processes in the context of a software development where both time to market and maintainability are serious issues/constraints.

AUDIENCE

Anyone including programmers/developers who want to become involved in the analysis and design processes and who wish to understand more clearly the essential steps in the progression from a requirements document to a design specification using a structured approach.

PREREQUISITES

An understanding that the software life-cycle is more than just programming and debugging together with a capability to think clearly and logically.

FORMAT

- Class
- 4 days
- Handouts - course notes
- Course certificate

COURSE OUTLINE

DAY 1

Introduction

Eliciting & collecting systems needs & requirements

- Case study "Creating an operational concept document (OCD) or Vision & Scope Document (VSD)"

Preliminary analysis of requirements

- Workshop on use cases and event action lists

DAY 2

Modeling requirements – forming a PIM

- The Demarco model (a PIM)
- The Hatley/Pirbhai model (a PIM)

Workshop on building a PIM

DAY 3

Transforming the PIM into a PSM (Design Model)

- The structured chart
- Modules
- The requirements dictionary
- Coupling and cohesion
- Fanout/fanin
- Case study/workshop "Creating the initial PSM"

Wrap up

Courses can be tailored to suit the needs of individual customers



HOW TO REGISTER

To find out more about **MDD using Structured Techniques** or one of the other training courses offered by Software Improvements:

EMAIL info@softimp.com.au
PHONE +61-2-6273 2055

OR

COMPLETE THE FOLLOWING AND FAX TO +61-2-6273 2082

NAME	
ORGANISATION	
PHONE	
EMAIL	

I WOULD LIKE MORE INFORMATION ON:

- MDD using Structured Techniques**
- Aspect Oriented Thinking
- Developer Testing for Java using AgitarOne
- Model Driven Development (MDD)
- Systems Development using Ada
- Translational Development with MDD

CONTACT DETAILS

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