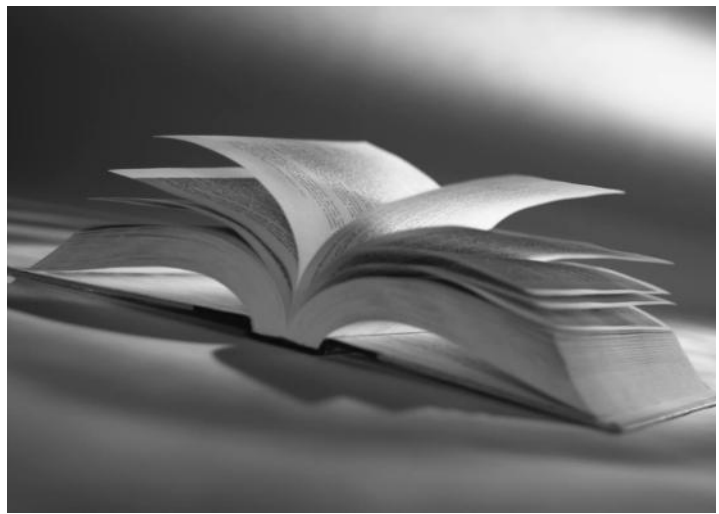


Course Catalog 2009



*Our commitment to our clients
can be described in six
points....*

- **Suitable tools**
- **The best instructors**
- **Hands-on courses**
- **A course guarantee**
- **Quality-price ratio**
- **Personalized courses**



...We understand your needs

Mynsoft is your specialist in software development support. One of our mission is to offer professional expert training. We will help your development team to improve their skills and reach their objectives. Our instructor team is composed of software development experts with many years of practical experience in various technical fields. We give our clients maximum support so that their projects turn into success.

We also offer assessment training services. This analysis helps to identify the strengths and weaknesses of a software development team regarding their process. We will after provide to our customer a detailed plan of training needs. This service is highly recommended when improving a development process or implementing a new one.

If your development team is taking on new challenges, call our expert team. They offer specialized services in most of the disciplines that make up the software development process.

The Unified Process Fundamentals

This course provides an introduction to the concepts, structure, contents and motivation of the Unified Process.

The Unified Process is a disciplined approach to assigning and managing tasks and responsibilities in a development organization. The goal of this process is to produce, within a predictable schedule and budget, high-quality software that meets the needs of its end users.

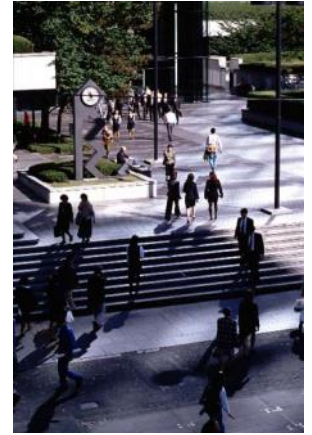
Length: 2 days

Project Management with the Unified Process

Following an introduction to the concepts, structure, contents, and motivation of the Unified Process, this course provides a solid foundation in managing projects that are based on this process. Students acquire an understanding of the Project Manager's responsibilities and practical experience of project management activities in order to play that role successfully.

The Unified Process is a disciplined approach to assigning and managing tasks and responsibilities in a development organization. The goal of this process is to produce, within a predictable schedule and budget, high-quality software that meets the needs of its end users.

Length: 2 Days



Methodology

Writing Effective Use Cases

This course provides students with a solid understanding of basic concepts related to the creation of use cases. They learn how to write and model effective use cases in the context of software requirements management.

Length: 2 days

Requirements Management with Use Cases

This course presents requirements management activities that lead to the production of a clear statement of software requirements using use-case modeling techniques. In this course, students develop skills in eliciting, organizing, documenting, and managing changes to requirements.

Length: 2 days

RequisitePro Fundamentals

This course provides basic skills for creating and managing requirements of a project with the RequisitePro® product. This is a hands-on course with exercises and activities that help users apply requirements management concepts.

Length: 1 day

User Scenarios and Storyboards

This course provides students with skills for capturing and documenting requirements on the user interface of a system using storyboarding techniques.

Length: 1 day

Object-Oriented Analysis with UML

This course introduces students to the basics of object-oriented development using the Unified Modeling Language (UML) and teaches how to create an object-oriented analysis model.

First, concepts such as abstraction, polymorphism, and encapsulation are presented and students learn what classes and objects are and how they can be used to build software. Then students learn to step into analysis and build a simplified version of a design model that is created independently from any development environment (C++, Java TM, .Net, etc). Class lessons show students how to identify classes that carry out use-case behaviour, how to construct use-case realizations, and how to use architectural artefacts to help constrain their design.

Length: 2 days



Object-Oriented Design with UML

The purpose of this course is to introduce students on how to optimize a design model for a specific development environment. The course addresses some advanced design topics such as architectural issues, patterns, implementation mechanisms, and tips on optimizing the design model.

Length: 2 days

Object-Oriented Architecture with UML

This course presents a use case-driven approach to the development of software architecture. It addresses architectural considerations that influence the organization and the key mechanisms of a software system and their presentation as architectural views using the UML.

Length: 3 days

Rose Fundamentals

In this course, participants develop their tool competence through hands-on use of Rational® Rose®, a visual modeling tool.

From understanding team development basics to creating diagrams and running reports to watching a forward and reverse engineering demonstration, participants will practice all basic aspects of the tool and leave with an understanding of the most useful Rose features and the value of visual modeling.

Note that this course is a basic tool class and does not cover advanced features such as language-specific round-trip engineering, RoseScripts, or the Rational Rose Extensibility Interface (REI).

Length: 2 days

Design Patterns

Patterns and pattern languages are ways to describe best practices, good designs, and capture experience in a way that it is possible for others to reuse this experience.

This course teaches how to solve object-oriented design problems that do not have obvious solutions using proven concepts with a track record, not theories or speculation.

Length: 1 day

Patterns: from Business to Design

Building flexible information systems that meet the business requirements and allow short product release cycles is a challenge for many organizations. Despite the fact that many projects do near identical things, these projects are still a little bit like black magic. This course provides a collection of patterns that helps explain the basic forces and solutions for the design of information systems that are aligned with the core business model of organizations.

Length: 3 days

Component-based Development

This course introduces students to the general concept of component, the specific concept of business component and the different categories of business components. It shows them how to identify business components from business models, distribute business components according to a specific architecture, integrate business components to create applications, and describe the roles and responsibilities associated to component-based development.

Length: 1 day

Java Programming

This course provides a solid foundation in Java. The students gain an understanding of key object-oriented programming concepts and valuable hands-on experience developing Java applets and applications.

Length: 3 days



Programming Java for C++ Developers

This course provides a solid foundation in Java by building on the programming knowledge students already have in C and C++. Students deepen their understanding of key object-oriented programming concepts and acquire valuable hands-on experience developing Java applets and applications.

Length: 3 days

Advanced Java: Swing and JavaBeans

The Swing package, a major part of the Java Foundation Class (JFC), is a development kit that simplifies the task of creating graphical components from the more simple ones, such as menus, labels, and buttons, to the more sophisticated ones, such as trees, tabbed panes, images, and tool tips.

JavaBeans are portable and reusable software components that help you make modular applications. The main strengths of this technology are its cross-platform capabilities and security features provided by Java. Together, Swing and JavaBeans allow you to create graphic based applets and applications that are both user friendly and easy to develop, deploy, and maintain.

Length: 3 days

Advanced Java: Web Applications with JSP and Servlets

Java has gained wide acceptance for the development and deployment of Web applications. This course provides valuable hands-on experience in using Servlets, Java Server Pages (JSP) and XML-based technology to create dynamic Web applications, and using portable Java APIs to access server-side resources.

Length: 3 days

Advanced Java: Distributed Applications

This course presents multiple Java technologies that facilitate the development of distributed applications. The course covers all the architectural layers from the bottom, with basic Java networking services such as TCP and UDP, to the top, with Java services such as RMI, JMS, Java Mail and JNDI.

Length: 3 days

Advanced Java: Enterprise JavaBeans

Enterprise JavaBeans (EJB) is a server-side component architecture that simplifies the process of building enterprise-class distributed component applications in Java. By using EJB, you can write scalable, reliable, and secure applications without writing your own complex distributed component framework.

This course provides a solid foundation in EJB concepts, methodology, and development. It contains a number of advanced EJB topics, giving you a practical and real-world understanding of the subject.

Length: 3 days

J2EE Best Practices and Architecture

This course presents architectural techniques used to develop high-quality distributed applications. The course presents involved J2EE technologies and their impacts on the software architecture.

Length: 3 days

C++ Programming

This course provides a solid foundation in C++. The students gain an understanding of key object-oriented programming concepts and valuable hands-on experience developing C++ programs.

Length: 3 days

Advanced C++ Programming

This course allows students to increase their productivity and to produce industrial strength C++ code. Hands-on exercises make them practice developing high-quality reusable code.

Length: 3 days

C# Programming

This course provides a solid foundation in C#. The students gain an understanding of key object-oriented programming concepts and valuable hands-on experience developing C# programs.

Length: 3 days

Advanced C# Programming

This course allows students to increase their productivity and to produce industrial-strength C# code. Hands-on exercises make them practice developing high-quality reusable code.

Length: 2 days

Introduction to VB.NET

This course has been designed to address the requirements of developers who are new to .NET environment or know only the basics. It is an introduction to the Oriented Object programming concepts using VB.NET.

The course will include theory concepts followed by hands-on exercises which will allow students to acquire the fundamentals of the usual concepts of VB.NET language as well as those used in .NET application development.

Length : 3 days

Advanced VB.NET

This course is aimed to developers who wish to acquire advanced notions of VB.NET language. By the end of this training course, participants will be able to localize an application and create Help files within an application, deploy an application, implement object-access event code and security based on control role assignment, etc.

Length : 3 days

Developing WEB services with .NET

At this stage, participants will learn how to develop WEB services using XML in order to integrate their applications. They will design application architecture based on the WEB. Especially aimed at experimented developers, this course is a perfect add-on to the existing skills of a WEB developer.

Length : 3 days

XML Fundamentals

The course is an exhaustive introduction to the world of XML and related technologies. The students will learn the purpose, advantages, and syntax of XML. By the end of the course, they will be able to create and work with XML documents and grammars that are based on a systematic approach so that they are validatable, interoperable, and maintainable. In class quizzes and self paced exercises interspersed throughout the course will help the participants meet these objectives.

Length: 2 days

XML Applications

The course is a detailed study of approaches to XML processing and applications. The participants will become familiar with the most important XML processing tools in the market and learn how to effectively apply XML to various environments, including that of mobile, speech, and the Web. An engineering driven approach based on "best practices" will help participants create applications that are time tested. In class quizzes and self paced exercises interspersed throughout the course will help the participants meet these objectives.

Length: 3 days

VoiceXML: Engineering Speech Applications For The Web

Voice is the bridge connecting the Internet and telephone network. VoiceXML is lowering the entry barrier to creating speech applications. This course takes a systematic approach towards building high-quality VoiceXML applications for the Web. It illustrates the life cycle of a VoiceXML application using "best practices" that benefit both the engineer and the end-user. Special emphasis is made towards usability, efficiency, and manageability of VoiceXML applications. Use of state-of-the-art VoiceXML processing software is made at appropriate places.

Length: 3 days

XHTML

HTML has evolved to give rise to the XHTML Framework. This course takes a systematic approach towards building high-quality XHTML applications for mobile access, technical publishing, vector graphics, and the Web. Using UML diagrams, it illustrates the life cycle (from analysis to implementation) of an XHTML application using "best practices" (patterns) that benefit both the engineer and the end-user. Special emphasis is made towards accessibility, efficiency, usability, and manageability of XHTML applications.

Length: 3 days

Developing J2EE with WAS 5

This course presents various techniques and advanced capabilities for the development of distributed applications with J2EE technologies. Each technique or capability is presented in the context of development best practices to facilitate the maintenance and expansion of Web applications. The training includes lectures and exercises to reinforce the student newly acquired skills.

Length: 3 days

Web Development with Struts

This course introduces the participants to the development of Web applications with the Struts Framework. The course focuses on using Struts with JSP to structure the presentation layer.

Length: 2 days

WML: Engineering Wireless Applications for the Web

WAP and WML are the current ways to reach people using Web-enabled cell phones and other wireless devices. This course takes a systematic approach towards building high-quality WML applications for the Web. It illustrates the life cycle of a WML application using "best practices" that benefit both the engineer and the end-user. Special emphasis is made towards usability, efficiency, and manageability of WML applications. Use of state-of-the-art WML processing software is made at appropriate places.

Length: 3 days



ClearCase Essential

At the end of this course, students understand the concepts of ClearCase and its role in configuration management. They are able to use ClearCase tools and procedures in their work environment.

Length: 2 days

ClearCase Administration

At the end of this course, students understand ClearCase administrative processes and are able to perform administrative procedures.

Length: 2days

ClearQuest

At the end of this course, students are able to install and customize a ClearQuest environment.

Length: 2 days

Writing Effective Test Cases

This course introduces different techniques for deriving test cases from use cases. It demonstrates techniques for validating every possible path and data by extrapolating the results on a matrix (positive and negative method). It also shows how to use sequence diagrams to define and capture some of the backend data or hidden flow to make sure every possible test case is identified, along with user scenarios and storyboards.

Length: 1 day

Unit and Component Testing

This course introduces students to tools allowing the automation of unit and component testing.

Length: 2 day

Functional Testing

This course is tailored for testing professionals to get them familiar with the basis of automated testing. Among other things, this course allows students to get an appreciation for the power of automated testing through testing scripts and sophisticated testing suites, the generation of personalized reports and the management of anomalies in the context of a complete quality assurance process.

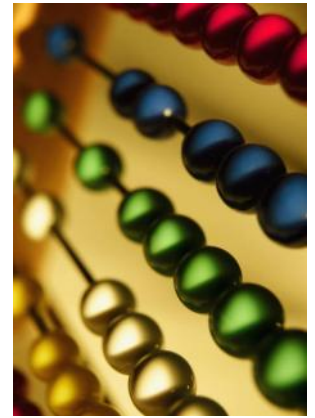
The students learn to define test requirements, test plans, test types, follow-up of test execution, and follow-up of anomalies. At the end of the course, the students have the necessary skills to plan a testing effort (including manual and automated tests).

Length: 2 days

Performance Testing

This course allows students to learn about planning and defining performance models, creating scripts using data parameter techniques, modifying scripts to simulate dynamic environments, elaborating sophisticated test suites in terms of scenarios and analysing test results.

Length: 2 days



Test

Test Manager

This course introduces students to the Test Manager ® product that allows testers to manage their suites of tests from requirements to test cases and test results.

Length: 1 day

Robot/RobotJ

This course introduces students to the automation of functional tests using Robot® and RobotJ®.

Length: 2 days

Test



During our on-site training sessions, we know how to adapt to the working environment. Because we know how difficult it is sometimes to make a lot of employees available for training, we also offer very flexible schedules.

If you need a detailed description plan for one or more courses included in the catalog, please call our sales department at (514) 697-5554.



....We understand your needs

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Please look forward for our new courses in the next catalog edition.

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- LoadRunner Fundamentals
- WinRunner
- CMMI
- Project Management

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