



Ben-Gurion University of the Negev

The Lynne and William Frankel Center for Computer Science

Computer Science and
Software Engineering Departments



Register Now for



Technical Course

14 - 18 September, 2008

Daily Lab 09:00 - 16:00

Essentials of Rational Software Architect (2 days)

Course Description

The course helps architects and development leads get started with using Rational Software Architect. You will gain hands-on experience with Rational Software Architect as you are introduced to a number of features, supporting concepts, and integration with other tools.

Learn the basics of model templates and using the Unified Modeling Language (UML) diagram types that Rational Software Architect supports. You also learn about transformations and patterns, and how to analyze the architectural structure of an application.

Course Objectives

- Follow the best practice of using visual modeling
- Use UML to create various types of models (Analysis, Design, etc.)
- Work as part of a team including one or more of the following roles: analysts, architects and developers
- Use patterns to ensure the best practices are reflected in their modeling
- Ensure that solutions are connected to requirements (i.e., Traceability)
- Maintain traceability with ReqPro and WebSphere Business Modeler
- Perform static analysis on Java 2 Platform, Standard Edition (J2SE) systems and UML artifacts
- Apply design patterns in their system design
- Generate J2SE artifacts from their design models

Mastering IBM Rational® Software Architect (3 days)

Course Objectives

- Develop and structure Unified Modeling Language (UML) analysis and design models
- Develop software services as part of a service-oriented architecture
- Reuse existing components in a new architecture
- Describe the organization of use-case, analysis, design and deployment models
- Generate an analysis model from a requirements model and elaborate on the model
- Generate a design model from an analysis model and elaborate on the model
- Incorporate existing code and reusable assets in the development of a new application
- Add elements used for testing and verification to the design
- Model a service in Rational Software Architect using the UML Profile for Software Services
- Create a User Experience model and generate Journaled File System (JFS) elements from that model
- Incorporate the IBM Patterns for e-business in the design of a system

For registration information and more see: <http://www.cs.bgu.ac.il/~frankel/>