

Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:

The image shows the cover page of a course material. At the top right is the IBM logo. Below it, centered, is the text 'IBM Software Group'. The main title is 'Essentials of Visual Modeling with UML 2.0' followed by 'Module 0: About This Course'. Below the title is the 'Rational software' logo. At the bottom of the page is a decorative horizontal bar with various icons including a person, a gear, a document, and a snowflake.

Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:

Introductions: instructor and students.

1. Tell them about yourself.
2. Get to know the students.
Find out:
 - Their technical background (i.e., software development and OO experience)
 - What they do in their jobs
 - Course expectations
3. Hand out sign-in and registration form.

Introductions

- ◆ Your organization
- ◆ Your role
- ◆ Your background, experience
 - Object technology experience
 - Software development experience
- ◆ Your expectations for this course



2



Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:

The ideal audience for this course is a group of students working for a software company.

Intended Audience and Prerequisites

◆ Intended Audience

- Software developers who are making the paradigm shift to visual modeling
- Software managers who need to better understand object technology
- Data modelers who need to better communicate with object modelers

◆ Prerequisite

- A desire to learn about visual modeling

3



The assumption here is that those attending this class work for a software company.

Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:

Course Objectives

- ◆ After completing this course, you will be able to:
 - Define the history and current application of object technology.
 - Explain what the UML represents.
 - Explain abstraction, encapsulation, modularity, and hierarchy.
 - Describe the physical structure of a class.
 - Identify the relationship between a class and an object.
 - Define polymorphism and generalization.

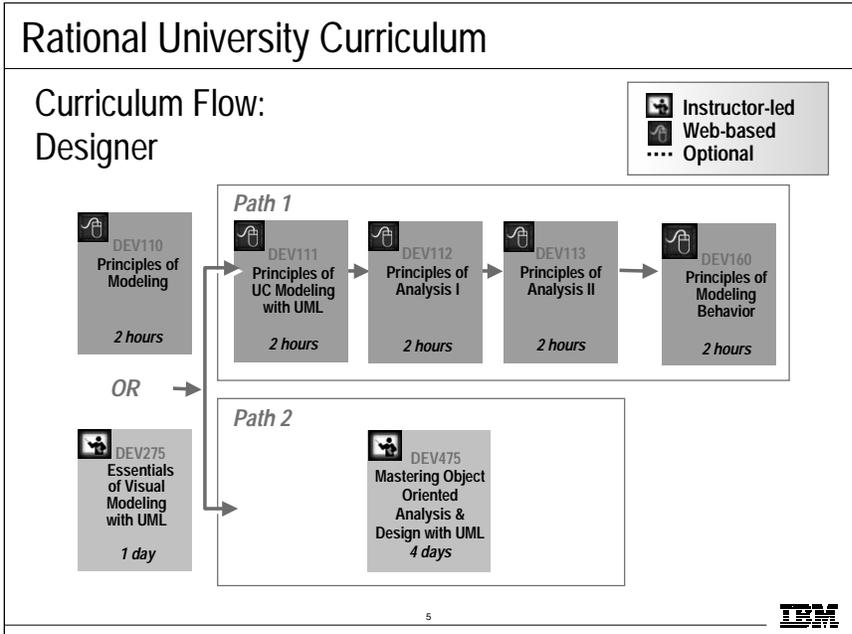
4



Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:

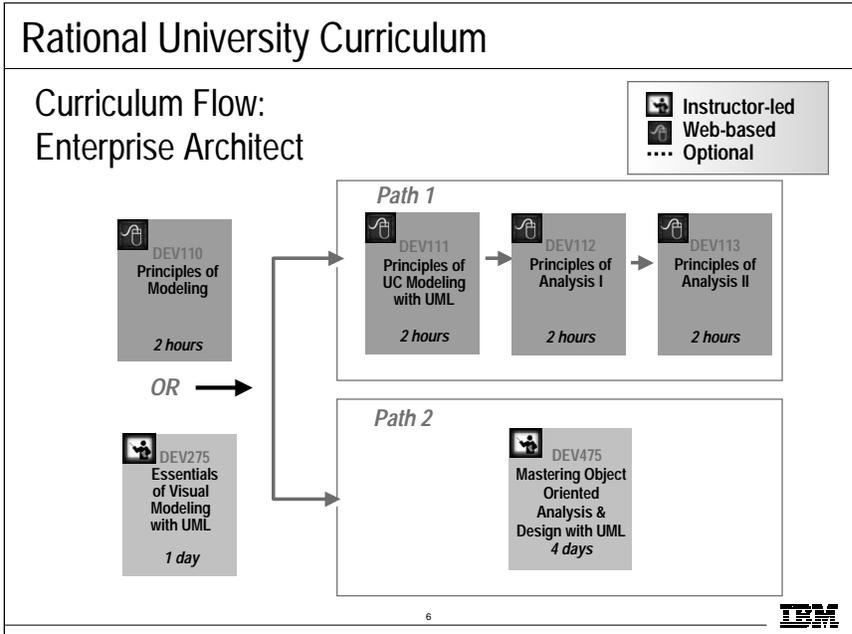
Note that the paths provided are alternate paths. They are not meant to indicate equivalence. The web based training (WBT) courses are available for students that may not be able to attend the instructor led training (ILT) courses, which generally covers more material.



The above courses are the courses that Rational University offers. As you can see for each major software development team role, Rational University offers a professional development course.

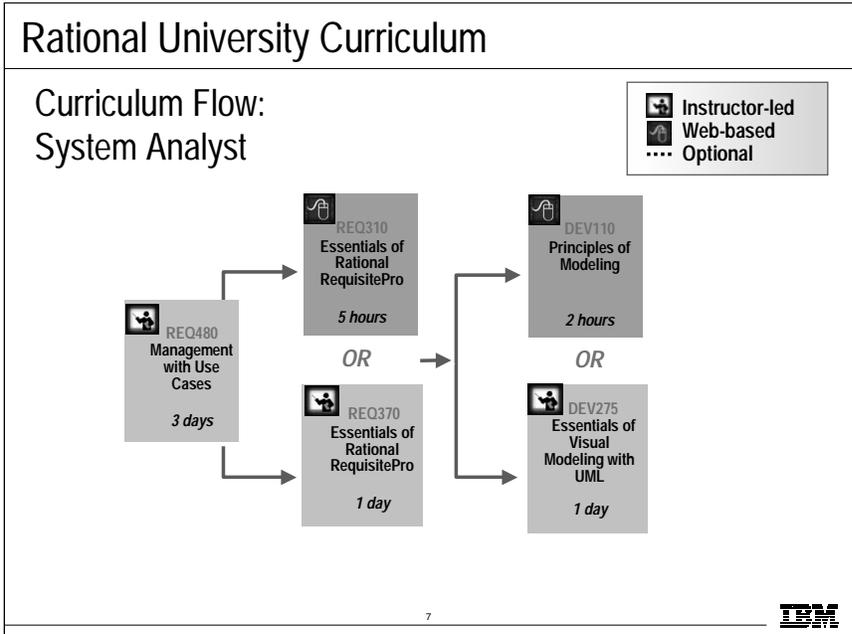
Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:



Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:



Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:

Each slide provides an explanation of what your focus should be for that slide. The main points are underlined and *italicized* in the instructor notes.

☆ When you see a star (such as the one to the left of this paragraph), it indicates that you should emphasize this material. Only 20 percent of the course material shows this star.

Course Materials

◆ Student Manual

8



The **Student Manual** contains copies of the slides as well as detailed Student Notes.

Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

Instructor Notes:

Other Sources of Information

- ◆ Rational Web site
 - <http://www-306.ibm.com/software/rational/>
- ◆ Rational developerWorks
 - <http://www-136.ibm.com/developerworks/>
- ◆ UML Resource Center
 - <http://www-306.ibm.com/software/rational/uml/>
- ◆ Rational Edge
 - <http://www-106.ibm.com/developerworks/rational/rationaledge/>

9



- The Rational Web site provides the latest information on new products, visual modeling and development, events, customer support, documentation and training, to name just a few.
- Rational developer Works, a **customer-only** site is IBM's resource for developers.
- The UML Resource Center provides additional UML resources like Whitepapers and recommended reading. It facilitates newsgroups and information about services and training.
- *The Rational Edge* is a **free new e-zine** dedicated to the practitioners and decision-makers in the Rational community. Brought to you monthly by Rational Software, this publication will help you use Rational products and services to their very best advantage, and develop high-quality software at the speed today's marketplace demands.

Essentials of Visual Modeling w/ UML 2.0 - Instructor Notes

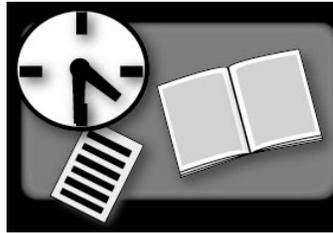
Instructor Notes:

Familiarize the students with the facility:

- Restrooms
- Phones
- How people from the outside can reach them/leave messages
- Where they can connect to the Internet

Discuss guidelines such as: what time class starts and ends each day; the number of breaks; how long breaks are; and what time to break for lunch.

Logistics



Morning

2 Fifteen minute breaks

Lunch

1 Hour

Afternoon

2 Fifteen minute breaks

10

IBM