Essentials of Visual Modeling with UML

Module 0: About This Course

Rational. software

Introductions

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

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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
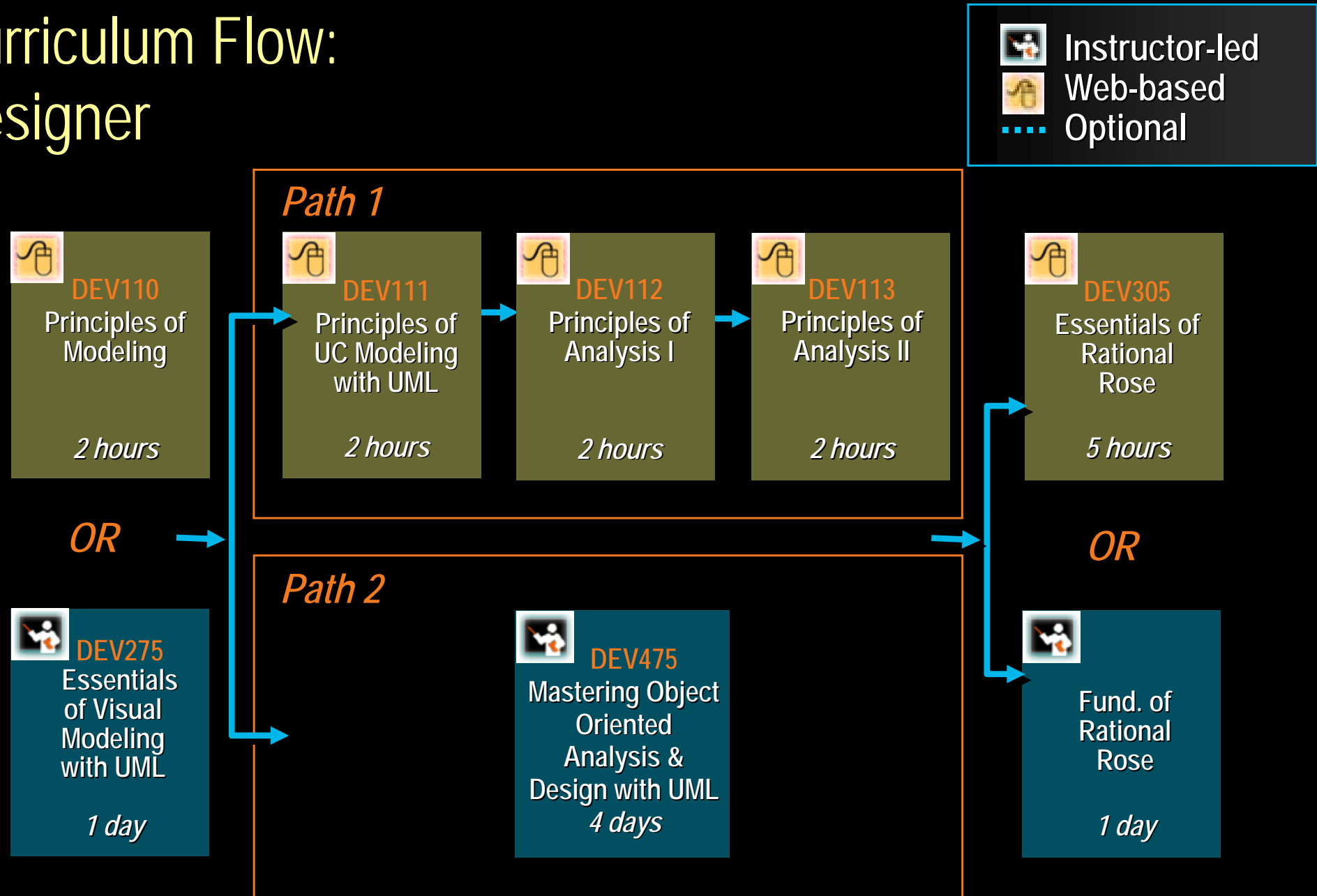- ◆ **Prerequisite**
  - ▪ A desire to learn about visual modeling

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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.

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Rational University Curriculum

Curriculum Flow: Designer

Legend:
- Instructor-led
- Web-based
- ···· Optional

Path 1

DEV110
Principles of Modeling

2 hours

DEV111
Principles of UC Modeling with UML

2 hours

DEV112
Principles of Analysis I

2 hours

DEV113
Principles of Analysis II

2 hours

DEV305
Essentials of Rational Rose

5 hours

OR

Path 2

DEV275
Essentials of Visual Modeling with UML

1 day

DEV475
Mastering Object Oriented Analysis & Design with UML

4 days

OR

Fund. of Rational Rose

1 day

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Rational University Curriculum

Curriculum Flow: Enterprise Architect

Instructor-led
Web-based
Optional

PRJ110
Principles of Rational Unified Process
3 hours

DEV275
Essentials of Visual Modeling with UML
1 day

OR

DEV110
Principles of Modeling
2 hours

Path 1

DEV111
Principles of UC Modeling with UML
2 hours

DEV112
Principles of Analysis I
2 hours

DEV113
Principles of Analysis II
2 hours

Path 2

DEV475
Mastering Object Oriented Analysis & Design with UML
4 days

Principles of Architecting Software Systems
3 days

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Rational University Curriculum

Curriculum Flow: Analyst

Instructor-led
Web-based
···· Optional

REQ310
Essentials of Rational RequisitePro

5 hours

DEV110
Principles of Modeling

2 hours

DEV305
Essentials of Rational Rose

2 hours

Req. Management with Use Cases
3 days

OR

OR

OR

Fund. Of Rational RequisitePro

1 day

DEV275
Essentials of Visual Modeling with UML

1 day

Fund. of Rational Rose

1 day

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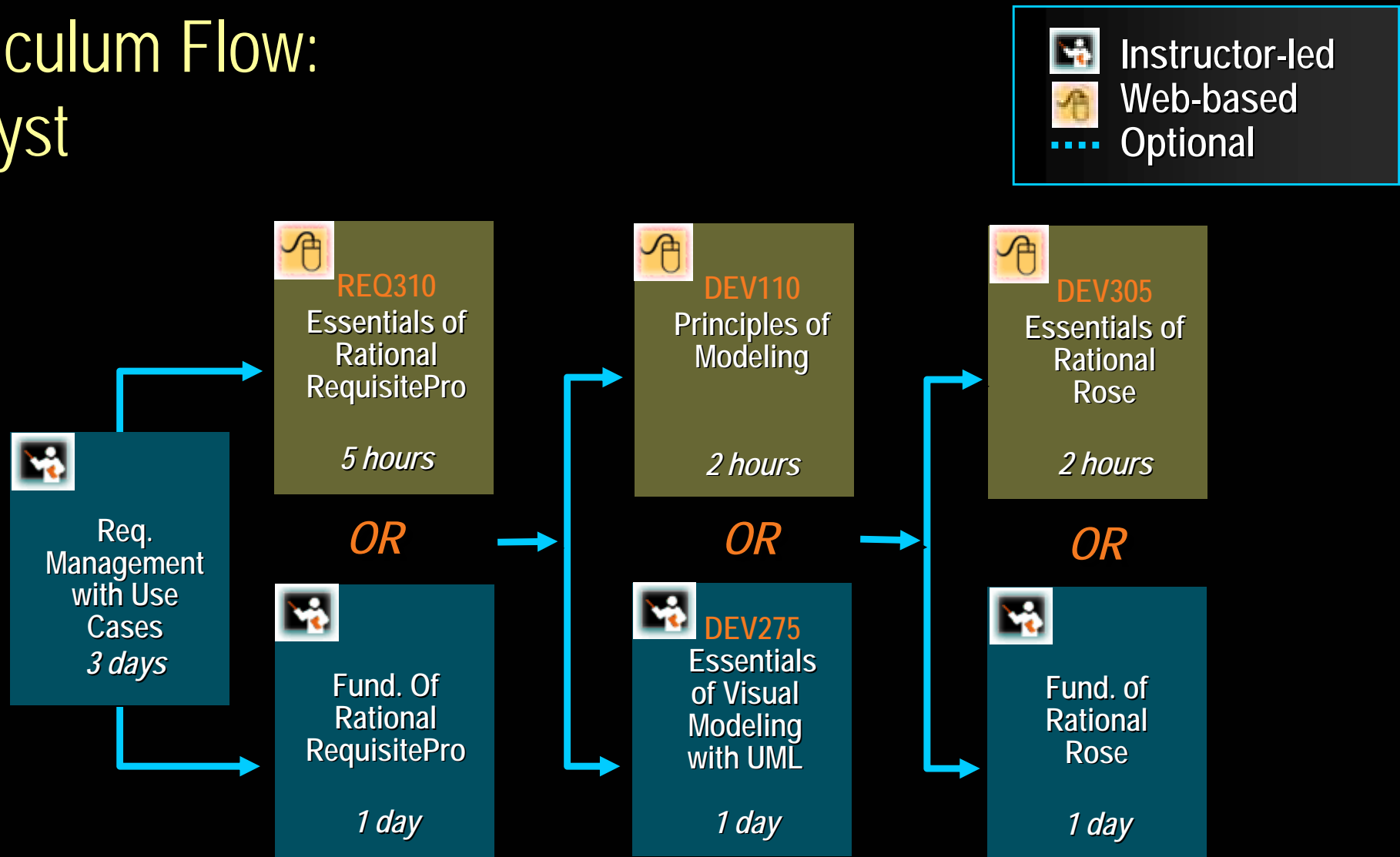
Course Materials

- ◆ Student Manual

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Other Sources of Information

- ◆ IBM Rational Web site
  - http://www.ibm.com/cn/software/rational/index.shtml
- ◆ IBM Rational Developer Network
  - www.rational.net
- ◆ IBM UML Resource Center
  - http://www.ibm.com/software/rational/uml
- ◆ IBM Rational Edge
  - http://www.ibm.com/developerworks/rational/rationaledge

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Logistics
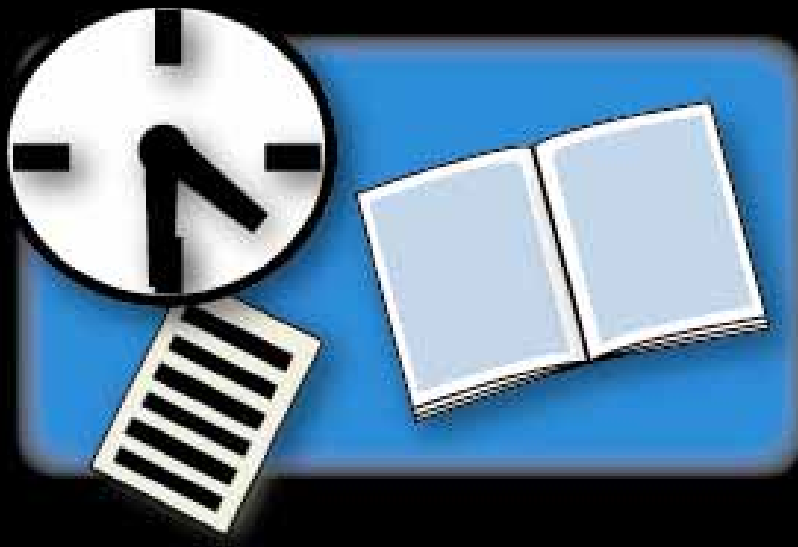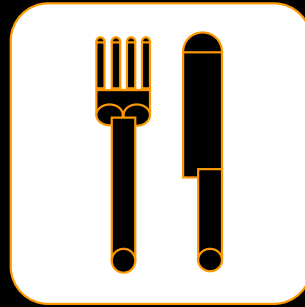
Morning
 2 Fifteen minute breaks
Lunch
1 Hour
Afternoon
2 Fifteen minute breaks