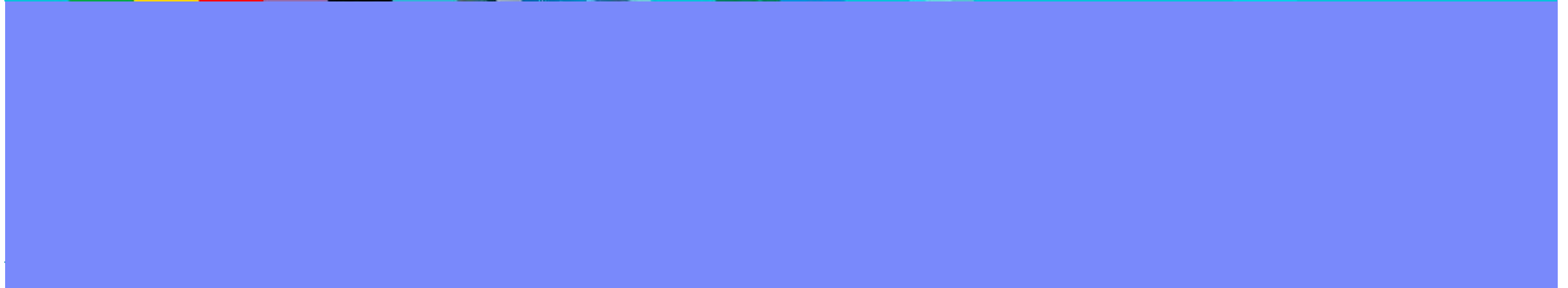




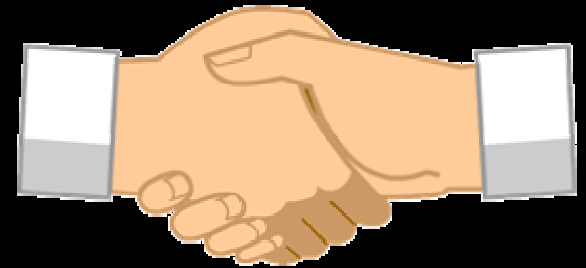
# Module 0: About This Course

Rational. software



# Introductions

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



# Course Objectives

- ◆ Upon completion of the course, participants will be able to:
  - Apply an iterative, use case-driven, architecture-centric process to the development of a robust design model
  - Use the Unified Modeling Language (UML) to represent the design model
  - Apply Object-Oriented (OO) concepts: abstraction, encapsulation, inheritance, hierarchy, modularity, and polymorphism to the development of a robust design model

# Course Objectives (cont.)

- ◆ Upon completion of the course, participants will be able to:
  - Describe the different views of software architecture, and the effect of the architecture on the produced design
  - Define basic design considerations, including the use of patterns

# Intended Audience

## ♦ Intended Audience

- Practitioners who want a basic explanation of Object-Oriented Analysis and Design (OOAD) concepts, as well as hands-on practical experience in applying the techniques
- Analysts, designers, software developers

# Prerequisites

- ◆ Some experience applying the following techniques in a software development environment
  - An exposure to object technology including, how to:
    - Read a use-case model
    - Add classes, objects, associations and how to create simple interaction and class diagrams
    - Find classes and distribute class behavior
    - Distinguish between the UML Analysis class stereotypes: boundary, control, and entity
  - Prerequisites can be achieved through attendance in “Essentials of Visual Modeling with UML” or equivalent experience

# Rational University Curriculum

## Curriculum Flow: Designer



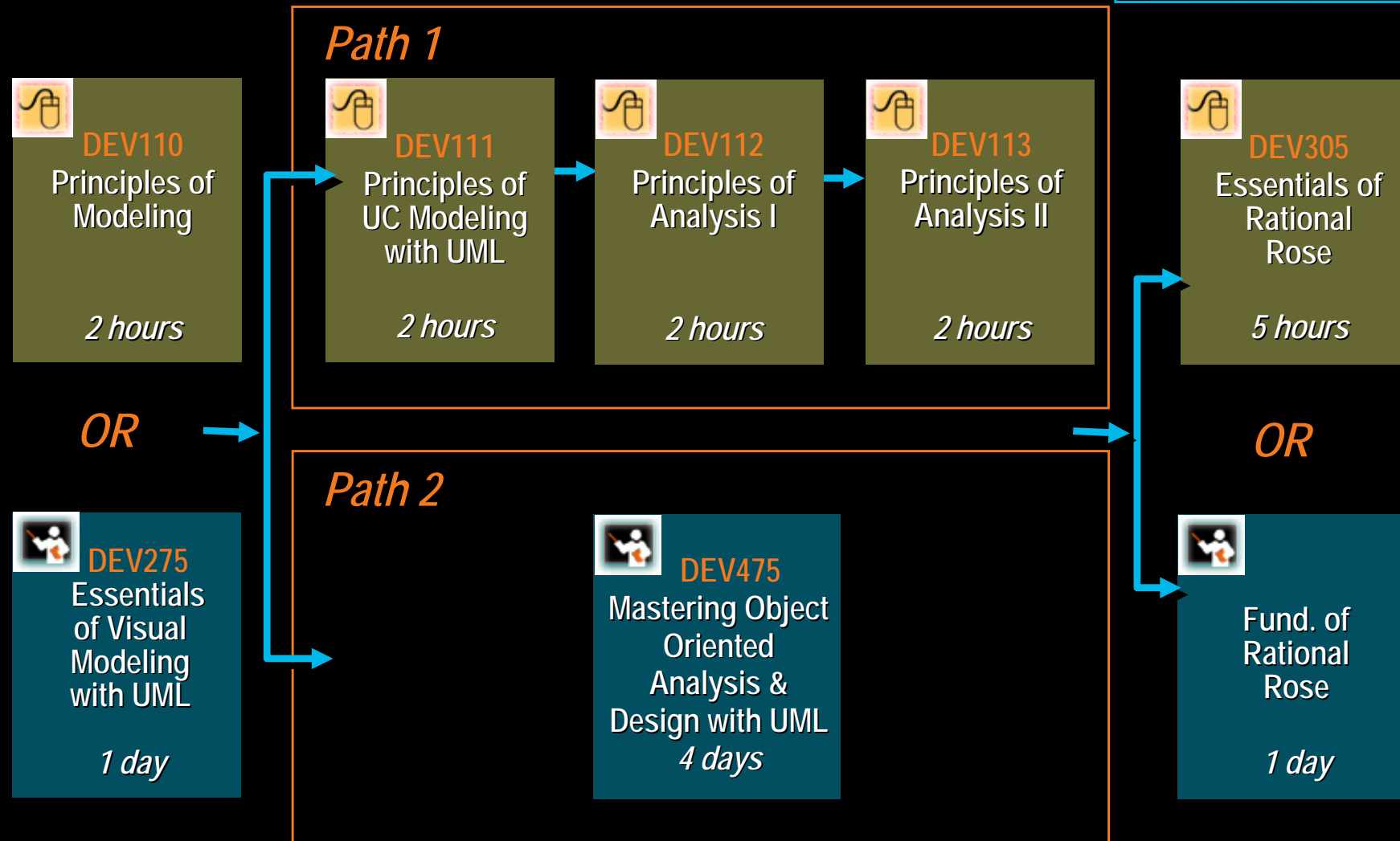
Instructor-led



Web-based

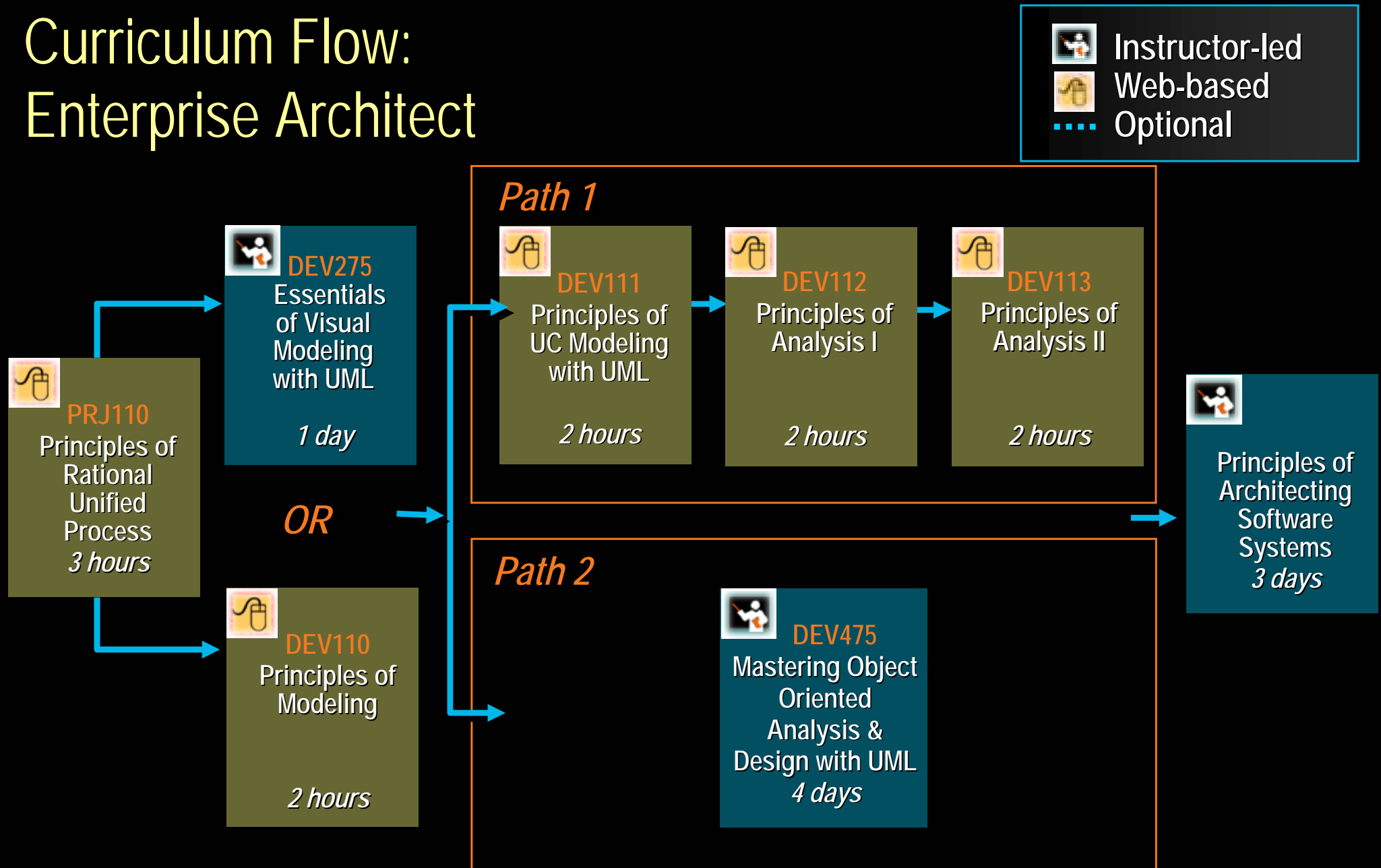


Optional



# Rational University Curriculum

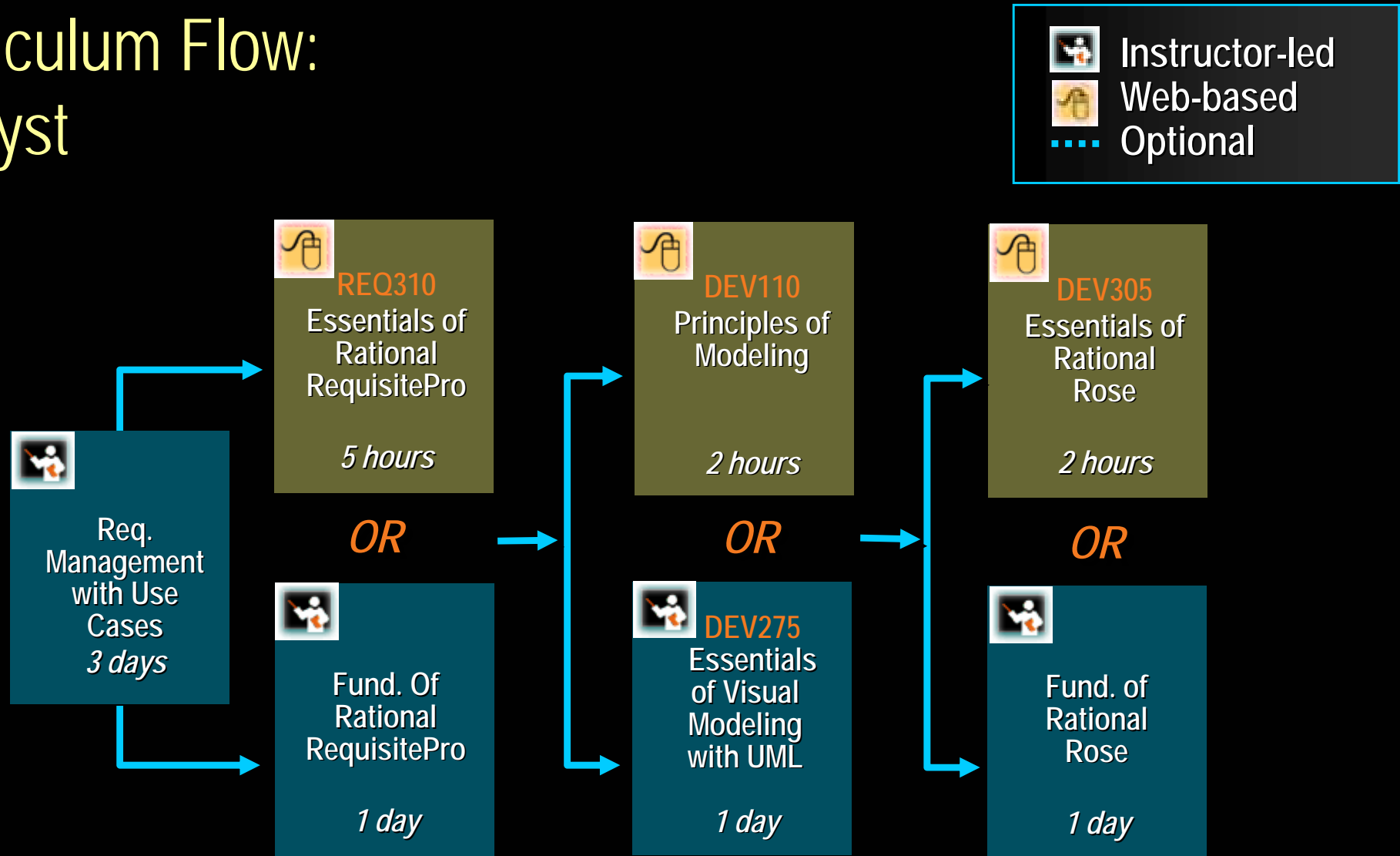
## Curriculum Flow: Enterprise Architect





# Rational University Curriculum

## Curriculum Flow: Analyst



# Other Sources of Information

## ◆ IBM Rational Web site

- <http://www.ibm.com/cn/software/rational/index.shtml>

## ◆ IBM Rational Developer Network

- [www.rational.net](http://www.rational.net)

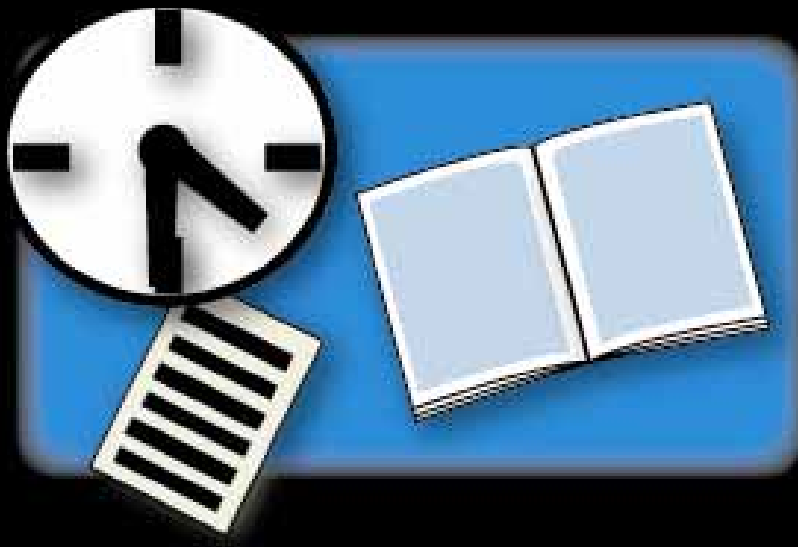
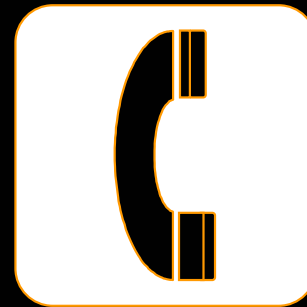
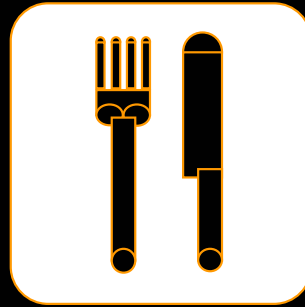
## ◆ IBM UML Resource Center

- <http://www.ibm.com/software/rational/uml>

## ◆ IBM Rational Edge

- <http://www.ibm.com/developerworks/rational/rationaledge>

# Logistics



## *Morning*

2-Fifteen-minute breaks

## *Lunch*

1 Hour

## *Afternoon*

2-Fifteen-minute breaks