

## Rational Principles of Software Testing for Testers v2002.05.20

### Sample Agenda

These are approximate timings over two days. The agenda is suggested. It is up to the Instructor to pace the class appropriately for the audience.

<b>Agenda</b>		<b>Timings</b>
<b>Day 1</b>	<b>Module 0: About This Course (10 slides)</b>	45 minutes
	<b>Module 1: Software Engineering Practices (32 slides)</b>	60 minutes
	Break	
	<b>Module 2: Core Concepts of Software Testing (28 slides)</b> 2.1 Discussion Exercise – Define Quality 2.2 Discussion Exercise – Quality Has Many Stakeholders 2.3 Discussion Exercise – Brainstorm Test Ideas 2.4 Discussion Exercise – Where do Test Ideas Come From? 2.5 Your Own Test Ideas List (with homework)	2.5 hours
	Lunch	
	<b>Module 3: The RUP Test Discipline (26 slides)</b>	30 minutes
	<b>Module 4: Define Evaluation Mission (24 slides)</b> 4.1 Which Group is Better? 4.2 Which Group is Better (with more data)? 4.3 What is Your Mission? 4.4 Purpose for Your Test Documentation?	2 hours
	Break	
	<b>Module 5: Test and Evaluate (70 slides)</b> 5.1 Discussion Exercise – Test Techniques 5.2 Optional Exercise – GUI Equivalence Analysis 5.3 Optional Exercise – Data Equivalence	2.5 hours total

<b>Day 2</b>	<b>Recap and review Test Ideas Homework from Module 2</b>	30 minutes
	<b>Module 5: Test and Evaluate (continued)</b> 5.4 Optional Exercise – Numeric Range Output 5.5 Optional Exercise – What “Specs” Can You Use? 5.6 Optional Exercise – Risk-Based Testing 5.7 Optional Exercise – Soap Operas for Testing 5.8 Which Techniques Should You Use? 5.9 Optional Exercise – Characterize Testing Techniques	2.5 hours total
	Break	
	<b>Module 6: Analyze Test Failures (66 slides)</b> 6.1 What Happens to Your Defect Report? 6.2 Optional Exercise - Fault, Critical Condition, and Failure 6.3 Defect Reporting 6.4 Editing Bugs – Practice at Home 6.5 Optional Exercise – Change Requests	2 hours total
	Lunch	
	<b>Module 6: Analyze Test Failures (continued)</b>	2 hours total
	<b>Module 7: Achieve Acceptable Mission (22 slides)</b> 7.1 Discussion Exercise – Reporting Status	1.25 hours
	Break	
	<b>Module 8: The RUP Workflow as Context (32 slides)</b> 8.1 Discussion Exercise – Testing Project Risks 8.2 Optional Exercise – Improving Testability 8.3 Discussion Exercise – Build Verification Tests 8.4 Discussion Exercise – Cost Considerations	1.25 hours