

NSS Enriching Knowledge for Information  
and Communication Technology Curriculum  
- Briefing cum Sharing Session on Upgraded  
Oracle Academy Curriculum

11 Jul 2007



**ORACLE®**

**Oracle Academy Introduction to Computer Science and Business**

## **Upgraded Curriculum Highlights**

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Oracle Academy Operations Manager, Asia Pacific

# Agenda

- Background
- Upgraded Curriculum Highlights
- Demo Session Announcements



# Background

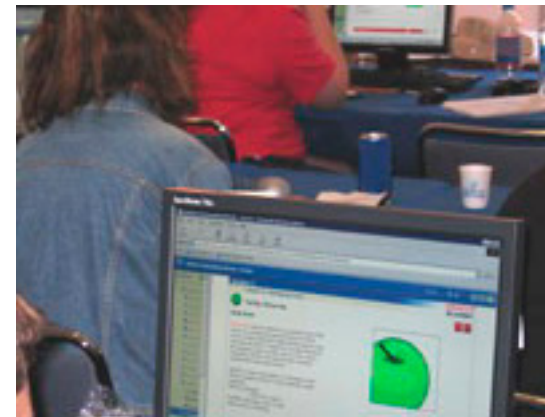
- Hong Kong Oracle Academy Intro-offerings started in 2005
- On January 15 2007, Oracle Academy released a new and improved curriculum format for:
  - "Database Design"
  - "Database Programming with SQL"
- This improved curriculum gives teachers and students access to the latest material and database technologies

# Background

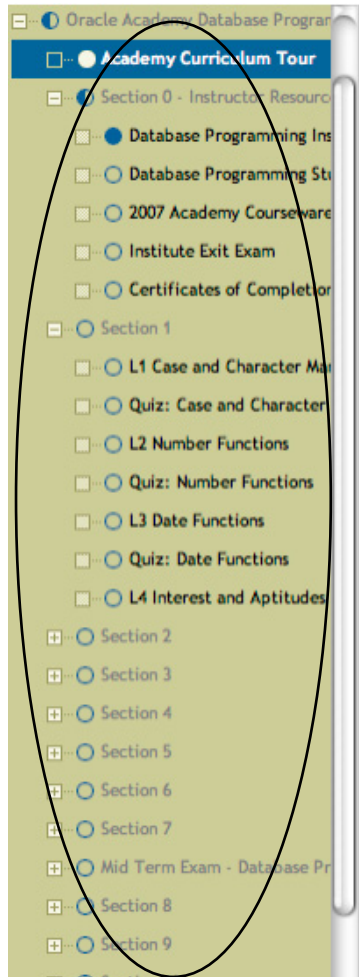
- January 15, 2007: Both Old and New curriculum are available in iLearning
  - Suggested: New Curriculum
  - Reference: Old Curriculum
- After August 31, 2007: Only New Curriculum will be available in iLearning
- All logins remain the same: iLearning and practice environment

# New Curriculum Overviews: Benefits

- Improved user interface and presentation
- Modular sessions and topics
- Upgraded practice environment: Oracle Application Express Studio (former HTML DB)
- Improved and additional content:
  - Quizzes
  - Mid-term and final exams
  - Real-world application and practices



# New Curriculum Overviews: Benefits



CurriculumTourAuto2\_brz  
Presented by:  
Oracle Academy

| Outline              | Thumb | Search   |
|----------------------|-------|----------|
| Slide Title          |       | Duration |
| Slide 1              |       | 00:02    |
| WELCOME              |       | 00:12    |
| Viewing Your Courses |       | 00:20    |
| My Learning          |       | 00:12    |
| My Learning          |       | 00:11    |
| My Learning          |       | 00:15    |
| My Learning          |       | 00:09    |
| My Learning          |       | 00:06    |
| My Learning          |       | 00:09    |
| My Learning          |       | 00:09    |
| Offering Details     |       | 00:23    |

8 Minutes 45 Seconds Remaining

ORACLE Academy  
STUDENT CURRICULUM TOUR

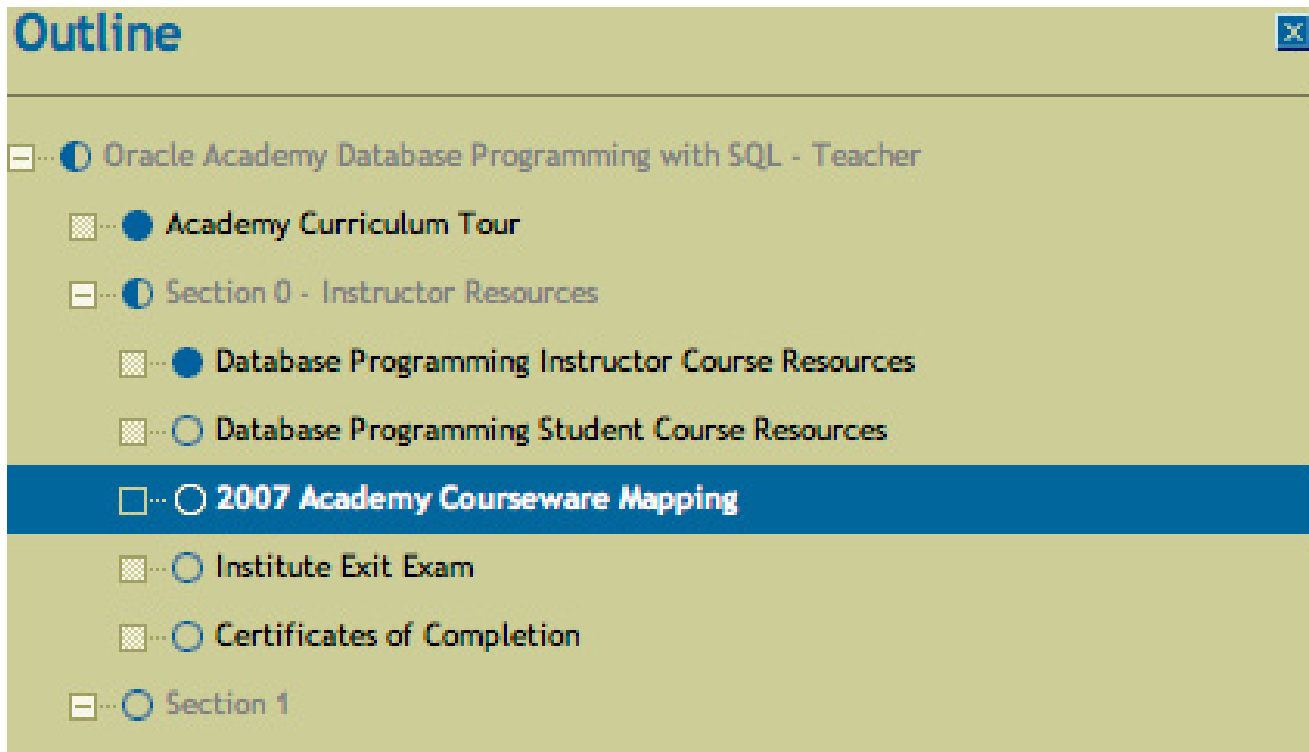
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Slide 1 / 46 | Stopped 00:00 / 00:02

A screenshot of a presentation slide. The slide features the Oracle Academy logo at the top, followed by the text 'STUDENT CURRICULUM TOUR' in large, bold, black letters. Below the text, there is a copyright notice: 'Copyright © 2007, Oracle. All rights reserved.' At the bottom of the slide, there is a navigation bar with a play button, a progress indicator showing 'Slide 1 / 46 | Stopped', and a timer showing '00:00 / 00:02'. A black oval highlights the play button and the progress indicator.

# New Curriculum Overviews: Mapping

- '2007 Academy Courseware Mapping' document at Section 0 of the new curriculum



**Outline**

- [-] Oracle Academy Database Programming with SQL - Teacher
  - [x] Academy Curriculum Tour
  - [-] Section 0 - Instructor Resources
    - [x] Database Programming Instructor Course Resources
    - [x] Database Programming Student Course Resources
    - [ ] 2007 Academy Courseware Mapping**
    - [x] Institute Exit Exam
    - [x] Certificates of Completion
  - [-] Section 1



# New Curriculum Overviews: Mapping

## 2007 Academy Curriculum Differences Outline Database Design

| <u>If you are here in Version 1 (Old)</u>   | <u>Here is where to go in Version 2 (New)</u>   |
|---|---|
| <u>Database Design - Section 1</u><br>Lesson 1 - Introduction to the Oracle Academy<br>Lesson 2 - History of Computing: Abacus to Video Games<br>Lesson 3 - Introduction to the Oracle Corporation<br>Lesson 4 - History of the Database<br>Lesson 5 - Major Transformations in Computing | <u>Section and Lesson</u><br>Section One Lesson 1. Introduction to the Oracle Academy<br>Section One Lesson 4. Major Transformations in Computing<br>Section One Lesson 4. Major Transformations in Computing<br>Section One Lesson 3. History of the Database<br>Section One Lesson 4. Major Transformations in Computing          |
| <u>Database Design - Section 2</u><br>Lesson 1 - Conceptual and Physical Models<br>Lesson 2 - Entities and Instances<br>Lesson 3 - Attributes and Unique Identifiers<br>Lesson 4 - DJs on Demand (Example Project)<br>Lesson 5 - The Missing Link   | <u>Section Two Lesson 1. Conceptual &amp; Physical Models</u><br>Section Two Lesson 2. Entities, Instances, Attributes and Identifiers<br>Section Two Lesson 2. Entities, Instances, Attributes and Identifiers<br>Section Two Additional Resources<br>Section Two Lesson 4. Effective Questioning: Finding the Missing Link        |
| <u>Database Design - Section 3</u><br>Lesson 1 - Identifying Relationships<br>Lesson 2 - ER Diagramming Conventions<br><br>Lesson 3 - Drawing Relationships and Speaking ERDish<br>Lesson 4 - Data vs. Information<br>Lesson 5 - Matrix Diagram   | <u>Section Three Lesson 1. Identifying Relationships</u><br>Section Two Lesson 3. Entity Relationship Modeling and ERDs,<br>Three Lesson 2. ER Diagramming Conventions<br>Section Three Lesson 3. Speaking ERDish and Drawing Relationships<br>Section One Lesson 2. Data vs Information<br>Section Three Lesson 4. Matrix Diagrams |

# Announcements

- Detailed Oracle Academy new curriculum demo session (Strongly encouraged):
  - July 12, 2007 Thursday (Tomorrow)
  - 3:00pm - 5:00pm
  - New Method College

