IS 6910: Independent Study for Java 7 Certification (OCA)

Oversight Professor: Mike Boyle

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Purpose:
This course objective is to learn Java and prepare for the Oracle Certified Associate Java Programmer I Certification Exam. Passing the actual certification exam is not required (but recommended) to fulfill this course.

Course Design:
Read exam prep book and practice exam questions. Create a hands-on mini lab for each chapter if time is available. Applied learned skills to project.

Course Project:
Create a simple but functional Java program, making use of object oriented best practices.

Course Textbook (required):
Mala Gupta 2013.
OCA Java SE 7 Programmer I Certification Guide (562 Pages)

Course Credits: 3 (Approx. 120 Hours)

Course Reading and Activities Schedule

Week/Date	Topic & Reading	Total Hours (~120)
1 Sep 13	Introduction & Chapter 1 Java Basics Sample Questions & Answers Hands-On Practice & Work on Project	12
2 Sep 20	Chapter 2 Working with Java Data Types Sample Questions & Answers Hands-On Practice & Work on Project	12
3 Sep 27	Chapter 3 Methods and Encapsulation Sample Questions & Answers Hands-On Practice & Work on Project	12
4 Oct 4	Chapter 4 String, StringBuilder, Arrays, and ArrayList Sample Questions & Answers Hands-On Practice & Work on Project	12
5 Oct 11	Chapter 5 Flow Control Sample Questions & Answers Hands-On Practice & Work on Project	12
6 Oct 18	Chapter 6 Working with Inheritance Sample Questions & Answers Hands-On Practice & Work on Project	12
7 Oct 25	Chapter 7 Exception Handling Sample Questions & Answers Hands-On Practice & Work on Project	12
8 Nov 1	Mock Exam Review ALL Sample Questions & Answers Take Mock Exam & Work on Project	12
9 Nov 8	Prepare Summary Report Prepare Summary Presentation Schedule & Purchase Certification Exam Finalize Project	22
10 Nov 15	Meet with Professor for Presentation Demo Project Submit Final Report & Presentation	2
11 **Nov 22**	Possible Certification Exam Date	2