



This course supports the assessment for Software II – Advanced Java Concepts. The course covers 4 competencies and represents 6 competency units.

Introduction

Overview

Welcome! The Java programming language is present in a myriad of devices ranging from car stereos to enterprise mainframes. Not only is Java very popular, but it is also a mature language which brings with it a plethora of support from online communities and learning resources.

This course covers advanced Java concepts and prepares you for the Oracle certification: 1Z0-809 (Oracle Certified Professional, Java SE 8 Programmer II). Before getting started you should have a basic understanding of the java programming language.

Watch the following welcome video for an introduction to this course:

Note: To download this video, right-click the following link and choose "Save as...": [download video](#).

Getting Started

Click on the "Launch Course" button to start learning in your uCertify course. If this is your first time using uCertify, take a look at [Navigating uCertify](#) before you begin. Follow your personalized Study Planner: access the Study Planner from anywhere in the course by opening the course menu, selecting "Dashboard," then clicking "Open Study Planner."

The course is divided into ten lessons, each of which is subdivided into several chapters (for example, 1.1 or 3.5). Each of these chapters is designed for you to complete in less than an hour: try to move through several chapters each day that you work on the course. Once you are ready for the practice exams, be sure to complete them in "test mode" to effectively prepare for your certification exam.

Competencies

This course provides guidance to help you demonstrate the following 4 competencies:

- **Competency 4025.1.1: Class Design**
The graduate designs advanced Java Classes and objects.
- **Competency 4025.1.2: Error Control**
The graduate implements error control in Java.
- **Competency 4025.1.3: Input, Output, and Storage**
The graduate implements read statements and writes data from the file system and databases.



- **Competency 4025.1.4: Threads**

The graduate takes advantage of multithreading capabilities in Java.

Course Instructor Assistance

As you prepare to demonstrate competency in this subject, remember that course instructors stand ready to help you reach your educational goals. As subject matter experts, mentors enjoy and take pride in helping students become reflective learners, problem solvers, and critical thinkers. Course instructors are excited to hear from you and eager to work with you.

Successful students report that working with a course instructor is the key to their success. Course instructors are able to share tips on approaches, tools, and skills that can help you apply the content you're studying. They also provide guidance in assessment preparation strategies and troubleshoot areas of deficiency. Even if things don't work out on your first try, course instructors act as a support system to guide you through the second attempt process. You should expect to work with course instructors for the duration of your coursework, and you are encouraged to contact them as soon as you begin. Course instructors are fully committed to your success!

Launch Your Course

[Launch Course](#)

Preparing for Success

Your learning resource for this course is:

- [uCertify: OCP Java SE 8 Programmer II](#)

The readings in uCertify are taken from the following text:

- Boyarsky, J., & Selikoff, S. (2015). *OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide: Exam 1Z0-809*. Indianapolis, IN: Wiley & Sons. ISBN 9781119067900.

If you prefer working from a hard copy, you may purchase this book from any retailer.

Lock In Your Progress

Once you are ready to start or are actively working in the uCertify learning resource, lock in your progress. You only need to complete this step once; any future activity in uCertify will be saved.

Mark this Activity Complete to Lock In Your Progress

Click the check mark above or below if you are actively engaged in this course.

Assessment Tips

Congratulations on completing the activities in this course! You are now prepared to complete the associated assessment. If you have not already been directed to complete it, schedule and



complete the assessment now.

First Attempt Checklist

To make sure you have the best chance possible to pass the exam on your first attempt, the following steps should be completed successfully before you take it:

1. Complete all 15 pre-assessment questions in UCertify. If you get them all correct, you have a sound Java foundation and you might be able to skip some of the steps in the course.
2. Follow all the steps necessary within in the course and study all the chapters in the textbook.
3. Complete the 5 tests in the Practice Test section. Each test has 90 questions; please make sure you go through all 450 questions and understand the explanation for every single one. (Please make sure you use the compiler when in doubt to understand the concepts better. Remember, you will NOT be allowed to use the compiler during the test.)
4. Complete the post assessment. You are ready to take the test when you score 80% or better in the post assessment.

If you have completed the steps above and you feel comfortable with all of the concepts presented, you are most likely ready to attempt the exam.

If you fail your first attempt, you will be required to contact the course instructor to see what went wrong and how you can prepare to ensure a successful second attempt. After determining you are ready, your course instructor will approve your request once to make another exam attempt.