

# Collin College - Continuing Education

## COURSE SYLLABUS

### COURSE INFORMATION

**Course Number:** JAVA 6515

**Course Title:** Java Web Application Development I

**Course Description:** Learn how to design and develop dynamic web sites using Java technologies. This course will cover the basics of both Java Servlets and JavaServer Pages, based on the J2EE Servlet specification version 2.5/3.0. Basic database connectivity using the Java JDBC API is also covered. The course involves extensive hands-on development. The student will also learn how to install, configure and administer a basic Java application server.

**Suggested Course Prerequisite(s):** Java II, HTML

**Course Resources:** Do not purchase text before first class meeting. Murach Java Servlets and JSP 3 rd Ed. Murach/Urban; Murach Publisher ISBN: 978-1-890774-78-3

#### **Student Learning Outcomes:**

1. Become familiar with modern web (application) server architectures.
2. Understand the difference between client side and server side programming.
3. Understand the Servlet life-cycle model, and the Servlet 2.5/3.0 API
4. Understand JSPs, and be proficient in the use of the JSP 2.1/2.2 API
5. Be proficient in Basic Server-side Java Programming.
6. Be able to use HTML, JSPs, Servlets, and database functionality to produce comprehensive dynamic web sites.

**Next course recommendation:** Java Web Application Development II, Introduction to Spring.

#### **Lesson Plan – by week or session:**

**Session 1:** Intro to Web Applications, Tomcat, HTML (chaps 1,2,4)

**Session 2:** Intro to Servlets (chap 6)

**Session 3:** Intro to JSPs (chap5)

**Session 4:** MVC Applications (chap 7)

**Session 5:** Sessions, Javabeans (chaps 8,9)

**Session 6:** Using JDBC (chap 13,14)

**Session 7:** Project Work

**Session 8:** Recap, Misc.

#### **Course Sessions:**

Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

#### **Method of Evaluation:**

Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

#### **Refund Policy:**

Please refer to [www.collin.edu/ce/inforegistrat.html](http://www.collin.edu/ce/inforegistrat.html) for our refund policy. No refunds after the start time of the first class.

**Americans with Disabilities Act:**

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.