Washtenaw Community College Comprehensive Report

CIS 278 Java Server Programming
Proposed start term: Fall 2010

Course Cover

Division: Business and Computer Technologies
Department: Computer Instruction
Discipline: Computer Information Systems
Course Number: 278
Org Number: 13410
Full Course Title: Java Server Programming
Transcript Title: Java Server Programming
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Reactivation
Change Information:
Description
Credit Hours
Total Contact Hours
Pre-requisite, Co-requisite, or Enrollment restrictions
Outcomes/Assessment
Objectives/Evaluation
Other: Other change: Equipment/Facilities
Rationale: Reactivate an inactive course
Proposed Start: Fall 2010

Course Description: This course covers Java Servlets, Java Server Pages (JSP), Java Bean Fundamentals and Java Database Connectivity (JDBC). Students taking this class should have a good knowledge of Java Fundamentals. Some knowledge of simple html and SQL is helpful but not mandatory.

Course Credit Hours

Variable hours: No
Credits: 4
Lecture Hours: Instructor: 60 **Student:** 60
Lab: Instructor: 0 **Student:** 0
Clinical: Instructor: 0 **Student:** 0
Other: Instructor: 0 **Student:** 0
Total Contact Hours: Instructor: Student:
Repeatable for Credit: NO
Grading Methods: Letter Grades
Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

Requisites

Prerequisite
Academic Reading and Writing Levels of 6
Prerequisite
CPS 161 minimum grade "C"

General Education

logged 4/1/10 sj ✓

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify Java Servlet programming techniques.
   Assessment 1
   Assessment Tool: Multiple choice and short answer questions on a departmental exam.
   Assessment Date: Fall 2013
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All sections
   Number students to be assessed: All students
   How the assessment will be scored: Departmental exam with fixed answers (multiple choice, fill in the blank, etc.).
   Standard of success to be used for this assessment: The standard for success will be that 70% of the students who take the exam will score better than 70%
   Who will score and analyze the data: Departmental faculty

2. Identify Java Server Page (JSP) programming techniques
   Assessment 1
   Assessment Tool: Multiple choice and short answer questions on a departmental exam.
   Assessment Date: Fall 2013
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All sections
   Number students to be assessed: All students
   How the assessment will be scored: Departmental exam with fixed answers (multiple choice, fill in the blank, etc.).
   Standard of success to be used for this assessment: The standard for success will be that 70% of the students who take the exam will score better than 70%
   Who will score and analyze the data: Departmental Faculty

3. Identify Java Bean programming techniques to create dynamic web applications such as online shopping carts.
   Assessment 1
   Assessment Tool: Multiple choice and short answer questions on a departmental exam.
   Assessment Date: Fall 2013
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All sections
   Number students to be assessed: All students
   How the assessment will be scored: Departmental exam with fixed answers (multiple choice, fill in the blank, etc.).
   Standard of success to be used for this assessment: The standard for success will be that 70% of the students who take the exam will score better than 70%
   Who will score and analyze the data: Departmental faculty

4. Identify JDBC programming techniques to access online databases.
   Assessment 1
   Assessment Tool: Multiple choice and short answer questions on a departmental exam.
   Assessment Date: Fall 2013
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All sections
   Number students to be assessed: All students
   How the assessment will be scored: Departmental exam with fixed answers (multiple choice, fill in the blank, etc.).
   Standard of success to be used for this assessment: The standard for success will be that 70%

of the students who take the exam will score better than 70%
Who will score and analyze the data: Department Faculty

Course Objectives

1. Demonstrate proficiency in creating, configuring and managing a Java-based web server utilizing Java Servlets.
   Methods of Evaluation
   Exams/Tests
   Matched Outcomes
   1. Identify Java Servlet programming techniques.

2. Demonstrate proficiency in using cookies and other methods of session and state management.
   Methods of Evaluation
   Exams/Tests
   Matched Outcomes
   1. Identify Java Servlet programming techniques.

3. Demonstrate proficiency in creating dynamic HTML pages utilizing JavaServer Pages.
   Methods of Evaluation
   Exams/Tests
   Matched Outcomes
   2. Identify Java Server Page (JSP) programming techniques

4. Demonstrate proficiency in utilizing Scriptlets and Expressions to provide the ability to directly insert dynamic content into an HTML document.
   Methods of Evaluation
   Exams/Tests
   Matched Outcomes
   2. Identify Java Server Page (JSP) programming techniques

5. Demonstrate proficiency incorporating JavaBeans into JSPs to create dynamic web applications such as online shopping carts.
   Methods of Evaluation
   Exams/Tests
   Matched Outcomes
   3. Identify Java Bean programming techniques to create dynamic web applications such as online shopping carts.

6. Demonstrate proficiency in utilizing the basic capabilities of the java JDBC class for accessing databases.
   Methods of Evaluation
   Exams/Tests
   Matched Outcomes
   4. Identify JDBC programming techniques to access online databases.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software
Other

Equipment/Facilities

Computer workstations/lab
Data projector/computer