J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number:  ITP 220  
Credits:  4

Course Title:  Java Programming II

Course Description:  Covers the application of advanced object-oriented techniques to application development using Java. Emphasizes database connectivity, inner classes, collection classes, networking, and threads. Prerequisite: ITP 120 or school approval. Lecture 4 hours per week.

Course Prerequisites/Corequisites

ITP 120 or school approval

Course Objectives  (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

a. Read and write Java input/output.
b. Define utility and collection classes.
c. JDBC database connectivity.
d. Define threads.
e. Setup simple Java networking programming.
f. Define nested and inner classes.
g. Write database application with a GUI interface.
h. Use and create a project with the MVC model.

Major Topics to be Included

a. Java input/output
b. Utility and Collection classes
c. JDBC Database connectivity
d. Threads
e. Networking
f. Nested and inner classes
g. Advanced AWT and swing

Effective Date of Course Content Summary:  October 21, 2008