

FSU CURRICULUM FILE SYLLABUS

DATE APPROVED _____ (COMPLETED AT UNIV LEVEL)

COURSE PREFIX/NUMBER: COP 3252

COURSE TITLE: Internet Applications Programming with Java

PRE OR COREQUISITES: COP 3330, COP 3331 REPEAT CODE: 00

LIST COURSE OBJECTIVES:

Upon completion of the course, the student will:

- Understand and be able to program with all of the essential elements of the Java language
- Be able to take an existing Java program and add functionality.
- Be able to design and write Java programs and classes, using both procedural techniques and object-oriented techniques.
- Be able to effectively program with all of the current Java language features
- Be able to effectively use a variety of important existing Java library packages, including, but not limited to: Strings, GUI with Swing classes, Event Handling, Files, Streams, Exceptions, Multi-threading, Sockets
- Be able to use a variety of common Java development tools from the latest Java SDK (especially the javac compiler, java loader, jar utility, and javadoc)

OBJECTIVES SHOULD BE BROADLY STATED TO ALLOW FACULTY DIFFERENCES AND ALLOW CHANGES IN MODE OF DELIVERY. ENOUGH DETAIL SHOULD BE GIVEN TO DISTINGUISH FROM OTHER COURSES IN ASSIGNMENT OF A SUS COURSE NUMBER. COMMITTEE APPROVALS ARE REQUIRED FOR A CHANGE IN OBJECTIVES.

GIVE BRIEF OUTLINE OF TOPICS TO BE COVERED (NO DATES):

Topic
Introduction to Internet Applications using Java
Review of Classes and Objects
Review of Control Structures and Methods
Inheritance and Polymorphism
GUI Components
Event Handling
Strings, Files and Streams
Multi-threading and Sockets
Graphics

Exception Handling	
Java Development Tools	

EVALUATION CRITERIA CHECK ONE (CHANGE IN EVALUATION CRITERIA REQUIRES THE DEPARTMENT TO SUBMIT A NEW SYLLABUS FOR THE FILE)

EXAMS ONLY (THE NUMBER AND WEIGHT OF EACH TO BE REFLECTED ON THE STUDENT SYLLABUS)

EXAMS AND OTHER (SUCH AS LAB REPORTS OR ASSIGNMENTS, TERM PAPER OR WRITTEN PROJECT, ORAL PRESENTATION; THE WEIGHT OF EACH TO BE REFLECTED ON THE STUDENT SYLLABUS.

NO EXAMS - ONLY ASSIGNMENTS (TO BE DESCRIBED CLEARLY ON THE STUDENT SYLLABUS)