

FSU CURRICULUM FILE SYLLABUS

DATE APPROVED _____ (COMPLETED AT UNIV LEVEL)

COURSE PREFIX/NUMBER: CGS 3416

COURSE TITLE: Java Programming for Nonspecialists

PRE OR COREQUISITES: CGS 3406 REPEAT CODE: 00

LIST COURSE OBJECTIVES:

A student who has completed this course with a passing grade should be able to:

- *Construct well-designed programs using the basic Java constructs.*
- *Demonstrate an understanding of the object-oriented paradigm.*
- *Demonstrate competence with the use of classes, constructors, interfaces, exceptions and I/O.*
- *Demonstrate an understanding of graphics concepts, the compilation process, jar files, applications, applets and APIs.*
- *Demonstrate an understanding of HTML, XML and XHTML.*
- *Construct an object-oriented solution to a problem using appropriately designed classes.*

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):

WEEK-BY-WEEK TOPICS:

Week	Topic
1	Introduction to Java Applications
2	Review of Classes and Objects
3	Review of Control Structures
4	Detailed Look at Methods
5	Detailed Look at Classes and Objects; Exam #1
6	Detailed Look at Classes and Objects (continued)
7	Inheritance
8	Polymorphism

	9	Introduction to GUI Components	
	10	Graphics; Exam #2	
	11	Exception Handling	
	12	Files and Streams	
	13	Introduction to Java Applets	
	14	Applets and Applications	
	15	Final Exam	

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)