

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	CIS 2321
COURSE TITLE:	Information Systems
PREREQUISITE(S):	CGS 1060
COREQUISITE(S):	None
CREDIT HOURS:	3
CONTACT HOURS/WEEK:	4
CONTACT HOUR BREAKDOWN:	
Lecture/Discussion:	3
Laboratory:	1
Other _____:	
FACULTY WORKLOAD POINTS:	3.7
STANDARDIZED CLASS SIZE ALLOCATION:	25

CATALOG COURSE DESCRIPTION:

This course, designed to introduce students to the fundamental concepts of information systems, focuses on the study, analysis and design phases of the system development life cycle. Emphasis is on current system documentation techniques through the use of both classical and high level fourth generation software tools/techniques for describing process flows, data flows, data structures, file design, input and output designs, and program specifications.

SUGGESTED TEXT(S):	<u>Systems, Analysis and Design</u> by Shelly/Cashman & Rosenblatt, 4 th Edition, Course Technology, 2001
IMPLEMENTATION DATE:	November 16, 1987
REVIEW OR MODIFICATION DATE:	Fall Term, 1994 (951) Fall Term, 2003 (20041) Fall Term, 2007 (20081) Fall Term, 2008 (20091) - Outline Review 2007 Spring Term, 2009 (20093) - Proposal 2009-01

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Systems Analysis	12
A. Systems in Business	
B. Systems Analysis	
C. Feasibility Study	
D. Systems Design Tools	
II. Systems Design	12
A. Perspective	
B. Output Design	
C. File Design	
D. Data Base Design	
E. Input Design	
F. Process Design	
G. Program Definition	
III. Systems Development	8
A. Programming/Testing	
B. Documentation	
C. Maintenance	
D. Management of the Systems process	
IV. Computer Applications in Business	20
A. Typical Systems	(8)
B. Systems Design	(8)
C. Systems Maintenance	(4)
V. Project Presentations - (Oral)	8
TOTAL:	60

PROGRAM TITLE: Database Management
COURSE TITLE: Information Systems
CIP NUMBER: 0507030601 (AAS Degree)1507030601 (AS Degree)

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLES(S):

03.0 DEMONSTRATE PROFICIENCY IN DEVELOPING APPLICATIONS AND USING THE PROCEDURE BUILDER TOOL--The student will be able to:

- 03.01 Develop programs in PL/SQL.
- 03.02 Insert and manipulate data with PL/SQL.
- 03.03 Manage and execute program units using the Object Navigator and the PL/SQL Interpreter.
- 03.04 Define and compile procedures using the Program Unit Editor.
- 03.05 Control the execution of a PL/SQL program unit.
- 03.06 Test possible solutions by making changes to variables and procedures at runtime.

05.0 DEMONSTRATE PROFICIENCY IN CREATING A COMPLETE FORMS APPLICATION USING DEVELOPER/2000 WHILE WORKING IN A GRAPHICAL USER INTERFACE (GUI) DEVELOPMENT ENVIRONMENT--The student will be able to:

- 05.01 Build a new data block using an existing table specification.
- 05.02 Save and run a form module from the designer.
- 05.03 Develop a master/detail form module.
- 05.04 Identify characteristics of each forms file storage type.
- 05.05 Create forms containing check boxes, radio groups, containing list items, display items, image items and buttons.
- 05.06 Start additional forms with the same transaction and session.
- 05.07 Enhance the default menu.
- 05.08 Add basic menu items.
- 05.09 Attach a menu module to a forms module.
- 05.10 Saving and running a form module from the designer.

06.0 DEMONSTRATE PROFICIENCY IN DESIGNING MULTIPLE FORMS APPLICATIONS--The student will be able to:

- 06.01 Redefine function keys and determining when key triggers should be used or avoided.
- 06.02 Cause a form module to respond to mouse movement and mouse button actions.
- 06.03 Creating trigger code to interact with windows.
- 06.04 Build robust multiple form transactions.
- 06.05 Choose between different ways of invoking forms.
- 06.06 Pass data between forms using parameter lists.
- 06.07 Control coded events and methods.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

Section 1	
COURSE PREFIX AND NUMBER: <u>CIS 2321</u>	SEMESTER CREDIT HOURS: <u>3.0</u>
COURSE TITLE: <u>Information Systems</u>	

Section 2
TYPE OF COURSE: (Click on the box to check all that apply)
<input type="checkbox"/> AA Elective <input checked="" type="checkbox"/> AS Required Professional Course <input type="checkbox"/> College Prep <input type="checkbox"/> AS Professional Elective <input type="checkbox"/> AAS Required Professional Course <input type="checkbox"/> Technical Certificate <input type="checkbox"/> Other _____ <input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)

Section 3 (If applicable)
INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:
<input type="checkbox"/> Communication <input type="checkbox"/> Social & Behavioral Sciences <input type="checkbox"/> Mathematics <input type="checkbox"/> Natural Sciences <input type="checkbox"/> Humanities

Section 4
INTELLECTUAL COMPETENCIES:
<input checked="" type="checkbox"/> Reading <input checked="" type="checkbox"/> Speaking <input checked="" type="checkbox"/> Critical Analysis <input type="checkbox"/> Quantitative Skills <input type="checkbox"/> Scientific Method of Inquiry <input checked="" type="checkbox"/> Writing <input checked="" type="checkbox"/> Listening <input checked="" type="checkbox"/> Information Literacy <input checked="" type="checkbox"/> Ethical Judgment <input checked="" type="checkbox"/> Working Collaboratively

Section 5		
LEARNING OUTCOMES		METHOD OF ASSESSMENT
•	Explain the concept of a system.	Authentic Learning Tasks, Exams
•	Utilize system design tools and techniques	Written report, Exams
•	Demonstrate proficiency with the OSI seven-layer model.	Authentic Learning Tasks
•	Discuss advantages of input design, file design, database design, and process design	Written Report, Exams
•	Demonstrate proficiency in electronic documentation for systems design	Written Report, Exams.
•	Discuss the system life cycle	Authentic Learning Tasks, Exams
•	Evaluate system designs.	Authentic Learning Tasks, Exams

Section 6
Name of Person Completing This Form: John J. Trifiletti, Ph.D. 4/30/2007