

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	CIS 2234
COURSE TITLE:	Computational Finance for IT Management
PREREQUISITE(S):	APA 1001 or ACG 2021
COREQUISITE(S):	None
CREDIT HOURS:	3
CONTACT HOURS/WEEK:	4
CONTACT HOUR BREAKDOWN:	
Lecture/Discussion:	
Laboratory:	
Other: <u>Lecture/Lab Combination</u>	4
FACULTY WORKLOAD POINTS:	3.7
STANDARDIZED CLASS SIZE ALLOCATION:	24
CATALOG COURSE DESCRIPTION:	
<p>This course will provide the student with the basic concepts of how to manage Information Technology (IT) within organizational settings. Topics covered in the course include technology topics such as hardware, software, and networking. Other areas covered are IT applications, methodologies and techniques for developing, purchasing and implementing information systems (IS) and user support. Special focus will be on alternative approaches to planning and managing IT resources and the IS organization. Prerequisite is APA 1001 or ACG 2021. A working knowledge of accounting is required.</p>	
SUGGESTED TEXT(S):	Moyer, R.C., McGuigan, J.R. Rao, R.P. <u>Fundamentals of Contemporary Financial Management</u> , latest edition. South-Western
IMPLEMENTATION DATE:	Fall Term, 2003 (20041)
REVIEW OR MODIFICATION DATE:	Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOUR <u>PER TOPIC</u>
I. The Role and Objective of Financial Management	3
II. The Domestic and International Financial Marketplace Taxes	3
III. Evaluation of Financial Performance	3
IV. The Time Value of Money Continuous Compounding and Discounting	3
V. Analysis of Risk and Return	3
VI. Fixed-Income Securities: Characteristics and Valuation Bond Refunding Analysis	3
VII. Common Stock: Characteristics, Valuation and Issuance	3
VIII. Capital Budgeting and Cash Flow Analysis Depreciation	3
IX. Capital Budgeting: Decisions and Real Option Considerations Mutually Exclusive Investments Having Unequal Lives	3
X. Capital Budgeting and Risk	3
XI. The Cost of Capital	3
XII. Capital Structure Concepts	3
XIII. Capital Structure Management in Practice Breakeven Analysis	3
XIV. Dividend Policy	3
XV. Financial Forecasting and Working Capital Policy	3
XVI. 15 hours will be computational finance projects throughout the course.	15
	<b>Total: 60</b>

PROGRAM TITLE: Computer Programming and Analysis  
 COURSE TITLE: Computational Finance for IT Management  
 CIP NUMBER: 1507.030500 (AS)/ 0507.030500 (AAS)

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

INTENDED OUTCOMES: After successfully completing this course, the student will be able to:

- 04.0 Perform coding activities.
- 05.0 Perform testing activities
- 09.0 Perform evaluation activities.
- 10.0 Demonstrate professional development skills.
- 12.0 Demonstrate general organizational computing workplace competencies.

04.0 Perform coding activities -- The student will be able to:

- 04.01 Identify modules.
- 04.02 Design module.
- 04.03 Code module.
- 04.04 Document module.
- 04.05 Test module.
- 04.06 Debugging code.
- 04.07 Revise module code.
- 04.08 Assemble modules.
- 04.09 Demonstrate proficient use of programming development tools.

05.0 Perform testing activities -- The student will be able to:

- 05.01 Develop test plan.
- 05.02 Develop test data.
- 05.03 Validate input(s).
- 05.04 Perform test(s).
- 05.05 Validate expected outcomes.
- 05.06 Determine system boundaries.
- 05.07 Load test the system.
- 05.08 Revise program code.
- 05.09 Document results.

09.0 Perform evaluation activities -- The student will be able to:

- 09.04 Assist in revisions and enhancements.
- 09.05 Assist in project evaluation.
- 09.06 Recommend improvements.
- 09.07 Provide feedback.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S):                      TITLES(S):

10.0    Demonstrate professional development skills -- The student will be able to:

- 10.01    Use on-line resources related to employee job requirements
- 10.02    Read industry journals and magazines.
- 10.03    Attend trade shows and seminars.
- 10.04    Participate in professional organizations.
- 10.05    Develop insights and skills through structured experimentation.
- 10.06    Anticipate future industry trends.
- 10.07    Attend continuing education opportunities.
- 10.08    Develop professional contacts for future projects.
- 10.09    Embrace change.

12.0    Demonstrate general organizational computing workplace competencies - The student will be able to:

- 12.01    Follow oral and written instructions.
- 12.02    Prepare, outline, and deliver a short oral presentation.
- 12.03    Participate in group discussion as a member and as a leader.
- 12.04    Obtain appropriate information from graphics, maps, or signs.
- 12.05    Prepare visual material to support an oral presentation.
- 12.06    Demonstrate self-motivation and responsibility to complete an assigned task.



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

<b>Section 1</b> <b>COURSE PREFIX AND NUMBER:</b> <u>CIS 2234</u>	<b>SEMESTER CREDIT HOURS (CC):</b> <u>3</u> <b>CONTACT HOURS (NCC):</b> _____
<b>COURSE TITLE:</b> _____	

**Section 2**  
**TYPE OF COURSE: (Click on the box to check all that apply)**

<input type="checkbox"/> AA Elective	<input type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input checked="" type="checkbox"/> AS Professional Elective	<input type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____	<input type="checkbox"/> PSAV	<input type="checkbox"/> Apprenticeship
<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"/> Communications	<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 checked="" 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

	LEARNING OUTCOMES	METHOD OF ASSESSMENT
•	Discuss role and objective of financial management	Evaluation of authentic learning task, exams
•	Discuss strategies for financial performance	Evaluation of authentic learning task, exams
•	Discuss strategies based on time value of money	Evaluation of authentic learning task, exams
•	Discuss strategies based on stocks and bonds	Evaluation of authentic learning task, exams
•	Discuss strategies based on depreciation	Evaluation of authentic learning task, exams
•	Discuss strategies based on risk and return	Evaluation of authentic learning task, exams
•	Discuss strategies based on use of capital	Evaluation of authentic learning task, exams
•	Perform breakeven analysis	Evaluation of authentic learning task, exams
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**Section 6**

Name of Person Completing This Form: Gail Gehrig                      Date: 9/17/2007