

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	CIS 2513
COURSE TITLE:	Software Project Management
PREREQUISITE(S):	None
COREQUISITE(S):	None
STUDENT ADVISING NOTES:	Suggested Course: COP 1000 and a COP Programming Course
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:

This course is an introduction designed for individuals who would like to learn more about Software Project Management. This course will benefit software program managers, programmers who work on software projects or anyone interested in how to put a software project together. You will be introduced to the key concepts and ideas about the planning, monitoring and control of software projects. Projects are largely about meeting objectives. Projects need to produce software that satisfies real needs. The student will learn to recognize and identify stakeholders in a project and their objectives. A successful project cannot be completed unless there is accurate information, and how this is provided will be explored. Prerequisite is COP 1000 and a COP* programming course. A working knowledge of programming is required.

SUGGESTED TEXT(S): Hughes, Bob, and Cotterell, Mike (2002). Software Project Management 3rd Ed. McGraw-Hill Publishing Company. ISBN 0-07-709834-X.

Shoppenhangers Road, Maidenhead, Berkshire, SL6 2QL, England.

Conway, Kieron. (2001). Software Project Management: From Concept to Deployment. Coriolis Publishing Company.
ISBN: 1576108074.

IMPLEMENTATION DATE:

Fall Term, 2003 (20041)

REVIEW OR MODIFICATION DATE:

Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. A Framework for Entrepreneurship	6
II. Resources and Capabilities	3
III. The Environment for Entrepreneurship	6
IV. Entrepreneurial Strategies	6
V. The Business Plan	6
VI. The E-entrepreneur	3
VII. Foundations of New Venture Finance	6
VIII. Securing Investors	3
IX. Creating the Organization	3
X. Corporate Venturing and Networking	3
XI. 15 hours of IT Entrepreneurial Project Management activities	15
Total:	60

PROGRAM TITLE: Computer Programming and Analysis
COURSE TITLE: Software Project 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:

- 01.0 Perform data file activities.
- 02.0 Perform analysis activities
- 03.0 Perform Program design activities
- 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.

02.0 Perform analysis activities -The student will be able to:

- 02.01 Communicate with users.
- 02.02 Define requirements.
- 02.03 Analyze user requirements.
- 02.04 Evaluate alternatives.
- 02.05 Analyze system requirements.
- 02.06 Create a plan for design.
- 02.07 Develop a timeline.
- 02.08 Communicate the plan.
- 02.09 Develop systems specifications.
- 02.10 Develop systems documentation.
- 02.11 Evaluate system.

03.0 Perform program design activities - The student will be able to:

- 03.01 Demonstrate knowledge of computer concepts and terminology
- 03.02 Identify basic computer components and their functions.
- 03.03 Develop design specifications.
- 03.04 Select development.
- 03.05 Validate design specifications.
- 03.06 Document design.
- 03.07 Communicate design specifications.
- 03.08 Develop prototype.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S): TITLES(S):

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.

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.

LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S): TITLES(S):

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.

Section 1	
COURSE PREFIX AND NUMBER: <u>CIS 2513</u>	SEMESTER CREDIT HOURS (CC): <u>3</u> CONTACT HOURS (NCC): _____
COURSE TITLE: <u>Software Project Management</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"/> 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 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 process of project management	Authentic Learning Tasks, Exams
• Distinguish software project management from IT	Written Report, Exams
• Use iterative model to diagram software development	Authentic Learning Tasks, Project
• Use current tools to analyze projects	Written Report, Exams
• Use MS Project to manage a project	Authentic Learning Tasks, Exams
• Describe processes, flows and structures of a software management system	Authentic Learning Tasks, Exams
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Section 6
Name of Person Completing This Form: John Trifiletti, Ph.D. Date: 9/19/2007