

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: BCN 2781

COURSE TITLE: Construction Computing

PREREQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 3

CONTACT HOUR BREAKDOWN:

 Lecture/Discussion: 3

 Laboratory:

 Other _____:

FACULTY WORKLOAD POINTS: 3

STANDARDIZED CLASS SIZE ALLOCATION: 30

CATALOG COURSE DESCRIPTION:

This course covers the study of application computer programs employed in the construction industry. Areas of study include the Internet, construction scheduling, construction cost estimating and construction drawing.

SUGGESTED TEXT(S): Computing Essentials 2007, Complete Edition; By: O'Leary, Timothy J, O'Leary, Linda I ISBN: 0073516678

IMPLEMENTATION DATE: Fall Term, 2007 (20081)

REVIEW OR MODIFICATION DATE: Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. BCN - Introduction to Construction Computing	10
II. Spreadsheets, Excel	12
A. What is it? B. What are its uses?	
III. Scheduling, Primavera	11
A. What is it? B. What are its uses?	
IV. Drawing, AutoCAD	12
A. What is it? B. What are its uses?	

PROGRAM TITLE: Building Construction Technology

COURSE TITLE: Construction Computing

CIP NUMBER: 0615.100101

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLES(S):

01.0 COMMUNICATE EFFECTIVELY--The student will be able to:

- 01.01 Maintain notice board.
- 01.02 Maintain job diary.
- 01.03 Prepare inter-office memos.
- 01.04 Prepare business correspondence.
- 01.05 Set-up surveyors field book.
- 01.06 Prepare daily project report.
- 01.07 Prepare requisitions for equipment and materials.
- 01.08 Write specifications for equipment purchase.
- 01.09 Prepare minutes from job-site meetings.
- 01.10 Write logical and understandable statements, or phrases, to accurately fill out forms/invoices commonly used in business and industry.
- 01.11 Read and understand graphs, charts, diagrams, and tables commonly used in this industry/occupation area.
- 01.12 Read and follow written and oral instructions.
- 01.13 Answer and ask questions coherently and concisely.
- 01.14 Read critically by recognizing assumptions and implications and by evaluating ideas.
- 01.15 Demonstrate appropriate telephone/communication skills.

03.0 PRODUCE, READ, AND INTERPRET DRAWINGS AND SPECIFICATIONS--The student will be able to:

- 03.01 Identify, select and use drafting instruments.
- 03.02 Use technical lettering.
- 03.03 Identify and use architectural symbols.
- 03.04 Use drafting reproduction equipment.

08.0 TAKE OFF QUANTITIES AND ESTIMATE COST--The student will be able to:

- 08.01 Make calculations.
- 08.02 Estimate quantities of concrete.
- 08.03 Compile lists of sub-trades for project.



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>BCN 2781</u>	SEMESTER CREDIT HOURS: <u>3</u>
COURSE TITLE: <u>Introduction to Construction Computing</u>	

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"/> 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 checked="" type="checkbox"/> Scientific Method of Inquiry
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input type="checkbox"/> Information Literacy	<input type="checkbox"/> Ethical Judgment	<input type="checkbox"/> Working Collaboratively

	LEARNING OUTCOMES	METHOD OF ASSESSMENT
•	READ AND UNDERSTAND GRAPHS, CHARTS, DIAGRAMS, AND TABLES COMMONLY USED IN THIS INDUSTRY/OCCUPATION AREA	LECTURE/PROJECTS/EXAMS
•	READ AND FOLLOW WRITTEN AND ORAL DIRECTIONS	LECTURE/PROJECTS/EXAMS
•	MAKE CALCULATIONS	LECTURE/PROJECTS/EXAMS
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Section 6
 Name of Person Completing This Form: JOHN ADCOX Date: 9/01/06