

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: BCN 1251

COURSE TITLE: Construction Drawing

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: 24

CATALOG COURSE DESCRIPTION:

This course provides a basic knowledge on how to create and read building construction and architectural drawings. Topics include hand sketching, scaling of drawings, basic construction abbreviations and the extraction of information from construction drawings.

SUGGESTED TEXT(S): Professional Practice of Architectural Drafting, O.A. Wakita. New York: Wiley & Sons.

Reading Architectural Plans for Residential and Commercial Construction, Ernest R. Weidhaas. Massachusetts: Allyn and Bacon.

SUGGESTED REFERENCE: Architectural Drawing and Light Construction, Edward Muller. Englewood Cliffs, NJ: Prentice Hall.

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. Introduction: Use of Equipment; Lines and line quality	3
II. Blueprints, Lettering & Dimensioning	3
III. Architectural Graphics & Symbols; Geometric Construction	3
IV. Residential Planning	3
V. Sketching	3
VI. Floor Plans	3
VII. Foundation Plan	3
VIII. Elevations	3
IX. Framing Plans	3
X. Plot Plans	3
XI. Plumbing Plans	3
XII. HVAC Plans	3
XIII. Schedules	3
XIV. Structural Members	3
XV. Review/Evaluation	3

PROGRAM TITLE: Building Construction Technology

COURSE TITLE: Construction Drawing I

CIP NUMBER: 0615.100101

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLES(S):

05.0 SURVEY AND INVESTIGATE CONSTRUCTION SITES--The student will be able to:

- 05.01 Lay out and measure site.
- 05.02 Use surveying rods.
- 05.03 Make measurements utilizing surveying rods and levels.
- 05.04 Make measurement using transit.
- 05.05 Survey construction sites.
- 05.06 Evaluate site and existing services for services required.
- 05.07 Survey and lay out building lines and levels.
- 05.08 Use digital and electronic survey equipment.
- 05.09 Identify types of sub surface investigations.
- 05.10 Determine sample requirements.
- 05.11 Conduct soil test.
- 05.12 Interpret soil reports.
- 05.13 Conduct vane shear test.
- 05.14 Compile boring log.



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

<i>Section 1</i>	
COURSE PREFIX AND NUMBER: <u>BCN 1251</u>	SEMESTER CREDIT HOURS: <u>3</u>
COURSE TITLE: <u>Construction Drawing</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 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
•	IDENTIFY, SELECT AND USE DRAFTING INSTRUMENTS	LECTURE/PROJECTS/EXAMS
•	INTERPRET ARCHITECTURAL DRAWINGS AND SPECIFICATIONS	LECTURE/PROJECTS/EXAMS
•	EVALUATE SHOP DRAWINGS	LECTURE/PROJECTS/EXAMS
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*Section 6*

Name of Person Completing This Form: JOHN ADCOX                      Date: 9/01/06