

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: BCN 2760

COURSE TITLE: Construction Design and Codes

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:

Exploration of building design and construction that conform to federal, state, county, and municipal codes, as well as the authority and responsibility bestowed in the several agencies. Research of the standard building codes required.

SUGGESTED TEXT(S): Florida Building Code 2004 (Latest Edition); Code Check - Building and Code Check - Field Guide

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. | Orientation | .5 |
| II. | Chapters assigned - Building components | 2 |
| III. | Research - field assignment | 2 |
| IV. | Building/Design components | 2 |
| V. | Exam 1/Plans approved | 2 |
| VI. | Research - field assignment | 2 |
| VII. | - Permit group 1 Administration | 2 |
| VIII. | - Permit group 2 Occupancy Classification | 2 |
| IX. | Research - field assignment | 2 |
| X. | Permit group 3 Building Limitations | 2 |
| XI. | Presentation 1 - Permit group 4 Construction Types | 2 |
| XII. | Research - field assignment | 2 |
| XIII. | Presentation 2 - Permit group 5 Fire Resistant Materials | 2 |
| XIV. | Presentation 3 - Permit group 6 Interior Finishes | 2 |
| XV. | Exam 2 | 2 |
| XVI. | Presentation 4 - Permit group 7 Fire Protection Systems | 2 |
| XVII. | Presentation 5 - Permit group 8 Egress | 2 |
| XVIII. | Research - field assignment | 2 |
| XIX. | Presentation 6 - Permit group 9 Interior Environment | 2 |
| XX. | Presentation 7 - Permit group 10 Roofs | 2 |
| XXI. | Research - field assignment | 2 |
| XXII. | Presentation 8 Structural Loads | 2 |
| XXIII. | Research field assignment | 2 |
| XXIV. | Final Exam (Exam 3) | .5 |
| XXV. | Permit Exercise Due | |

PROGRAM TITLE: Building Construction Technology

COURSE TITLE: Construction Design and Codes

CIP NUMBER: 0615.100101

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLE(S):

04.0 INTERPRET AND APPLY LAWS, CODES, REGULATIONS, AND CONTRACT DOCUMENTS--The student will be able to:

- 04.01 Interpret federal and state safety codes.
- 04.02 Interpret pre-qualification documents.
- 04.03 Interpret, apply, and control addenda.
- 04.04 Interpret bonding insurance procedures.
- 04.05 Interpret, apply, and control change orders.
- 04.06 Interpret and apply state standard building code.
- 04.07 Interpret and apply workmen's compensation requirements.
- 04.08 Interpret and apply standard form of tender.
- 04.09 Compile a complete set of contract documents.



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

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| <i>Section 1</i> | |
| COURSE PREFIX AND NUMBER: <u>BCN 2760</u> | SEMESTER CREDIT HOURS: <u>3</u> |
| COURSE TITLE: <u>CONSTRUCTION DESIGN AND CODES</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:

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|---|---|---|---|--|
| <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 |
|---|--|------------------------|
| • | STUDENT WILL BE ABLE TO UNDERSTAND THE FLORIDA BUILDING CODE | LECTURE/PROJECTS/EXAMS |
| • | INTERPRET, APPLY FLORIDA BUILDING CODE | LECTURE/PROJECTS/EXAMS |
| • | UNDERSTAND THE ARCHITECTURAL DESIGN PROCESS | LECTURE/PROJECTS/EXAMS |
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Section 6

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