

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: BCT 1131

COURSE TITLE: Roof Framing II and Timber Construction

PREREQUISITE(S): BCT 1130

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 5

CONTACT HOUR BREAKDOWN:

    Lecture/Discussion: 2

    Laboratory: 3

    Other\_\_\_\_\_:

FACULTY WORKLOAD POINTS: 3.5

STANDARDIZED CLASS SIZE ALLOCATION: 24

COURSE DESCRIPTION:

This course is a continuation of Roof Framing I. Topics include layout and construction of a combination roof.

SUGGESTED TEXT(S): NCCER Curriculum Level I, II, III, IV

IMPLEMENTATION DATE: Fall Term, 2004 (20051)

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

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Introduction/Safety	2
II. Hip Rafters	10
A. Compute Length	
B. Layout	
C. Back	
D. Cut	
E. Install	
III. Valley Rafters	15
A. Compute Length	
B. Layout	
C. Cut	
D. Install	
IV. Jack Rafters	15
A. Types	
B. Compute Length	
C. Layout	
D. Cut	
E. Install	
V. Hip Valley Cripple Jack Rafters	15
A. Compute	
B. Layout	
C. Cut	
D. Install	
VI. Erection of the Roof	15
A. Shed	
B. Gable	
C. Hip	
D. Combination	
VII. Employability Skills	3



LIST PERFORMANCE STANDARD ADDRESSED: (CONTINUED)

NUMBER(S):            TITLES(S):

- 25.04 Describe the installation and bracing (temporary and permanent) of roof trusses.
- 25.05 Install roof trusses, using temporary and permanent bracing.

26.0 INSTALL AND DRY-IN SHEATHING -- The student will be able to:

- 26.01 Install sheathing
- 26.02 Select and install nails and fasteners according to the specifications.
- 26.03 Dry-in a roof.

35.0 INSTALL FINISHED ROOFING COMPONENTS -- The student will be able to:

- 35.01 Install composition shingles in a valley.
- 35.02 Install roof-flashing components and accessories.
- 35.03 Install ridge vent.
- 35.04 Frame, sheath and flash a cricket.



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>BCT 1131</u>	SEMESTER CREDIT HOURS: <u>3</u>
COURSE TITLE: <u>Roof Framing II and Timber Construction</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 type="checkbox"/> AS Professional Elective	<input checked="" type="checkbox"/> AAS Required Professional Course	<input checked="" 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"/> Communication	<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 type="checkbox"/> Speaking	<input 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 type="checkbox"/> Information Literacy	<input type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

<i>Section 5</i>	
LEARNING OUTCOMES	METHOD OF ASSESSMENT
• Utilize manual and power tools.	NCCER Module Certification Score 70% or better
• Identify the characteristics of building materials.	NCCER Module Certification Score 70% or better
• Identify fasteners and hardware.	NCCER Module Certification Score 70% or better
• Read basic blueprints.	NCCER Module Certification Score 70% or better
• Install finished roofing components.	NCCER Module Certification Score 70% or better
• Identify structural timber.	NCCER Module Certification Score 70% or better
• Identify roof trusses.	NCCER Module Certification Score 70% or better
• Comply with hurricane codes.	NCCER Module Certification Score 70% or better
• Demonstrate problem solving skills.	NCCER Module Certification Score 70% or better
• Identify safe working conditions and observe safety precautions.	NCCER Module Certification Score 70% or better

*Section 6*

Name of Person Completing This Form: Jim Yurko