

FLORIDA STATE COLLEGE AT JACKSONVILLE

NON-COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: BCV 0103
COURSE TITLE: Wood Products, Substitutes, Lumber and Building Materials
PREREQUISITE(S): None
COREQUISITE(S): None
TOTAL CONTACT HOURS: 150 (135-165)

(For Office Use Only:
Vocational Credits 5)

FACULTY WORKLOAD POINTS: 5
STANDARDIZED CLASS SIZE
ALLOCATION: 20

COURSE DESCRIPTION:

This course is designed to teach entry-level job skills in carpentry. Topics include wood, wood substitutes, different kinds of construction lumber, its growth and how wood finally becomes lumber. This course also includes building adhesives, their types and their applications.

SUGGESTED TEXT(S): NCCER Curriculum Level I, II, III, IV
IMPLEMENTATION DATE: Fall Term, 1989
REVIEW OR MODIFICATION DATE: Fall Term, 1998
Fall Term, 2002 (20031)
Fall Term 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Introduction/Safety	23
II. Wood Products and Other Building Materials	42
A. Plywood	
B. Structural plywood components	
C. Glued and laminated lumber	
D. Trusses	
E. Non-wood materials	
III. Construction Lumber	42
A. Growth of wood	
B. Defects/Blemishes in wood	
C. Grading of lumber	
D. Ordering lumber	
E. Working qualities and use of wood	
F. Wood joints	
IV. Adhesives	43
A. Glues	
B. Mastics	
C. Adhesives	

PROGRAM TITLE: Carpentry
COURSE TITLE: Wood Products, Substitutes, Lumber and Building Materials
CIP NUMBER: 0646.020100

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

01.0 DEMONSTRATE SHOP AND OCCUPATIONAL SAFETY SKILLS -- The student will be able to:

01.04 Identify common safety hazards.

06.0 IDENTIFY CHARACTERISTICS OF CONSTRUCTION LUMBER -- The student will be able to:

06.01 Identify the grades and species of lumber.

06.02 Identify the actual and nominal sizes of lumber.

06.03 Identify the grades of plywood.

06.04 Identify defects and blemishes that affect durability and strength in lumber.

25.0 INSTALL DECKING AND SHEATHING -- The student will be able to:

25.01 Identify types of planking.

27.0 DEMONSTRATE APPROPRIATE UNDERSTANDING OF BASIC SCIENCE -- The student will be able to:

27.03 Identify health related problems which may result from exposure to work related chemicals and hazardous materials, and know the proper precautions required for handling such materials.



**FLORIDA STATE COLLEGE AT
JACKSONVILLE
At Jacksonville**

Course Learning Outcomes & Assessment

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>BCV 0103</u>	SEMESTER CREDIT HOURS (CC): _____ CONTACT HOURS (NCC): <u>150</u>
COURSE TITLE: <u>Wood Products, Substitutes, Lumber and Building Materials</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 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 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 type="checkbox"/> Writing	<input type="checkbox"/> Listening	<input type="checkbox"/> Information Literacy	<input type="checkbox"/> Ethical Judgment	<input type="checkbox"/> Working Collaboratively

	LEARNING OUTCOMES	METHOD OF ASSESSMENT
•	Be able to demonstrate shop safety skills.	Test scores 70% or better.
•	Be able to identify construction lumber characteristics.	Lab projects pass or fail per instructor's evaluation.
•	Demonstrate appropriate understanding of basic science.	
•	Be able to install decking & sheathing.	
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Section 6

Name of Person Completing This Form: Sandra Beck Date: 09/11/2007