

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: BCT 1102

COURSE TITLE: Wood Products, Substitutes, Lumber and Building Materials

PREREQUISITE(S): None

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:

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, 2004 (20051)

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

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Introduction/Safety	10
II. Wood Products and Other Building Materials	15
A. Plywood	
B. Structural plywood components	
C. Glued and laminated lumber	
D. Trusses	
E. Non-wood materials	
III. Construction Lumber	25
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	25
A. Glues	
B. Mastics	
C. Adhesives	

PROGRAM TITLE: Carpentry
COURSE TITLE: Wood Products, Substitutes, Lumber and Building Materials
CIP NUMBER: 0646020106

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.



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 1102</u>	SEMESTER CREDIT HOURS: <u>3</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 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
• Set up a transit and builder's level.	NCCER Module Certification Score 70% or better
• Identify structural timber.	NCCER Module Certification Score 70% or better
• Explain or identify various forms.	NCCER Module Certification Score 70% or better
• Demonstrate an understanding of entrepreneurship.	NCCER Module Certification Score 70% or better
• Demonstrate employability 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