

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	BCT 1040
COURSE TITLE:	Blueprint Reading
PREREQUISITE(S):	None
COREQUISITE(S):	None
CREDIT HOURS:	2
CONTACT HOURS/WEEK:	2
CONTACT HOUR BREAKDOWN:	
Lecture/Discussion:	2
Laboratory:	
Other _____:	
FACULTY WORKLOAD POINTS:	2
STANDARDIZED CLASS SIZE ALLOCATION:	25
CATALOG COURSE DESCRIPTION:	
This course teaches the fundamentals of blueprint reading and sketching common to all the construction trades. The course covers plans, elevations, shapes, details, and views in sections.	
SUGGESTED TEXT(S):	<u>Building Trades (Printreading - Part 2) Residential & Light Commercial Construction (3rd ed.)</u> American Technical Publishers by: Thomas E. Proctor (2000)
IMPLEMENTATION DATE:	Fall Term, 1980 (811)
REVIEW OR MODIFICATION DATE:	Fall Term, 1996 (971) Fall Term, 2002 (20031) Fall Term, 2006 (20071) (was BCT 1113)

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Language of Blueprint Reading	4
A. Shape Descriptions	
B. Size	
C. Conventional	
D. Verbal	
II. Materials of Construction	3
A. Basic Materials	
B. Nature of Materials	
C. Sizes of Materials	
D. Application of Materials	
III. Specifications	3
A. Outline Specifications	
B. Description of Materials Analysis	
C. Set of Specifications	
IV. Light Frame Construction	5
A. Frame Construction	
B. Plank and Beam Construction	
C. Cement Masonry Construction	
D. Unit Construction	
E. Brick Veneer Construction	
F. Cavity Wall Construction	
G. Metal Frame Construction	
V. Study of Blueprints	15
A. Brick Veneer Residence	(6)
B. Commercial Building	(3)
C. Frame Residence	(3)
D. Branch Bank	(3)

Student Competencies:

The student will, upon completion of this course, be able to: define terms associated with blueprint reading, identify the lines, symbols and dimensions used to convey the architect's ideas, to measure scaled lines, list items included in a set of specifications and extract information from a set of specifications. The student will demonstrate mastery of the material through oral, written and performance measures administered by the instructor.

PROGRAM TITLE: Building Construction Technology

COURSE TITLE: Blueprint Reading

CIP NUMBER: 1615.100101

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLES(S):

03.0 PRODUCE, READ AND INTERPRET DRAWINGS AND SPECIFICATIONS--The student will be able to:

- 03.01 Identify, select and use drafting instruments.
- 03.02 Use technical lettering.
- 03.03 Identify and use architectural symbols.
- 03.04 Use drafting reproduction equipment.
- 03.05 Take site notes and measurements.
- 03.06 Identify and use electrical symbols.
- 03.07 Prepare site sketches.
- 03.08 Identify and use mechanical symbols.
- 03.09 Identify and use topographical symbols.
- 03.10 Interpret land surveyor's notes.
- 03.11 Prepare topographic drawings.
- 03.12 Prepare working sketches and "as built" drawings.
- 03.13 Prepare architectural drawings.
- 03.14 Interpret architectural drawings and specifications.
- 03.15 Evaluate finishing hardware schedules.
- 03.16 Prepare structural drawings.
- 03.17 Interpret structural drawings and specifications.
- 03.18 Interpret reinforcing steel drawings and bar list.
- 03.19 Interpret and apply A.S.T.M. standards.
- 03.20 Interpret and apply C.S.A. standards.
- 03.21 Prepare presentation drawings.
- 03.22 Evaluate shop drawings.
- 03.23 Prepare mechanical drawings.
- 03.24 Interpret mechanical drawings and specifications.
- 03.25 Prepare electrical drawings.
- 03.26 Interpret electrical drawings and specifications.

