

2/5/13 DATE
X REQUIRED COURSE
ELECTIVE COURSE

Technology DIVISION
X NEW COURSE
REVISION

LAKE LAND COLLEGE Course Information Form

COURSE NUMBER BCT062 TITLE Architectural Drafting II
SEM CR HRS 4 LT HRS 1 LAB HRS 7 SOE HRS _____ ECH _____

COURSE PCS# _____ (Assigned by Administration)

Prerequisites: **BCT045, BCT050, TEC045**

Catalog Description (40 Word Limit):

Emphasis is placed on residential and small commercial design. Problems presented have varied materials and structural systems. Some emphasis is placed on building code requirements. CAD Incorporated.

List the Major Course Segments (Units)	Lt Hrs	Lab Hrs
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This course is set up to require the student to develop a complete set of working drawings for a residential and small commercial project. The break down is as follows:

EVALUATION: Quizzes _____ Exams X Oral Pres _____ Papers _____
Lab Work X Projects _____ Comp Final X Other _____

Textbook: Title: Architectural Drawing and Light Construction

Author: Muller/Fausett/Grau

Publisher: Prentice Hall

Volume/Edition: 8th Edition

Copyright Date: 2009

Workbook: Title: Architectural Drafting

Author: Earle

Publisher: Creative Publishing

Volume/Edition: 20th Printing

Copyright Date: 2008

Major Course Segment	Hours	Learning Outcomes
At the end of the segment the student should be able to:		
Site Plan and Plot Plan	16	Develop a site plan (Topo map showing property lines, bearings and contours) from survey information. Develop plat plan from site plan.
Residential Floor Plan	24	Develop a residential floor plan with regard to building and zoning codes, complete with hatching symbols and dimensions.
Structural Calculations	16	Develop the structural requirements of the residential plan (piers, columns, joist, beams, foundation system) with regards to code regulations.
Foundation Plan	8	Develop a complete foundation plan for the residential floor plan.
Foundation Details	8	Develop a full set of details for the foundation system.
Wall Details	24	Develop the required wall sections, elevations, cross sections and schedules for the residential project.
Commercial Drawing	31	Develop all the necessary working drawing for a simple commercial building.

Course Learning Outcomes: at the successful completion of this course, students will be able to:

- Utilize the International Building Codes for Residential Construction.
- Develop a wall detail and plot it to scale.
- Produce a floor plan and dimension it correctly.
- Develop contours from elevations that are provided by a survey crew.