

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: CONS 220

Credit Hours: 4-3-3

Course Title: Construction Estimating and Laboratory

Course Prerequisites: CTEC 100, CONS 102 and CONS 160

Textbook(s): Dagostino, Peterson. Estimating In Building Construction. Prentice Hall, 2014.
ISBN: 9780133431100

Course Description: Instruction in quantity calculation techniques based upon contract documents, specifications, and working drawings. Quantity Take-Off (QTO) for labor, materials, and equipment costs are calculated. Profit and overhead are estimated. Manual and computer based estimating are practiced in lab, and a complete estimate is prepared and evaluated.

Learning Outcomes:

At the end of this course, the student will:

- A. develop the ability to estimate all materials needed for a residential and commercial building; and
- B. develop the ability to create a bid package.

To achieve the learning outcomes, the student will or will be able to:

(The letter designations at the end of each statement refer to the learning outcome(s).)

1. understand estimating procedures; (A)
2. understand estimating mathematics; (A)
3. understand efficiency and productivity; (A)
4. understand estimating earthwork; (A)
5. understand estimating concrete; (A)
6. understand estimating masonry; (A)
7. understand estimating structural and miscellaneous steel; (A)
8. understand estimating thermal and moisture protection; (A)
9. understand estimating finishes; (A)
10. understand estimating mechanical and plumbing; (A)
11. understand estimating electrical; (A) and
12. understand bid package, contract, and follow-up. (B)

Course Grading Scale:

90% to 100%	=	A
80% to < 90%	=	B
70% to < 80%	=	C
60% to < 70%	=	D
< 60%	=	F

Attendance Policy: The college attendance policy is available at
<http://catalog.bpcc.edu/content.php?catoid=5&navoid=369>

Revised: 4/20/2022

Course Fees: This course is accompanied with an additional fee for supplemental materials.

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

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