

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: CONS 250

Credit Hours: 3-2-3

Course Title: Construction Management I and Laboratory

Prerequisites: CONS 102, CONS 150, CONS 160 and CONS 220

Textbook(s): Fredrick Gould & Nancy Joyce. Construction Project Management, 4th edition, Prentice Hall, 2014. ISBN: 9780132877244.

Course Description: This course covers the responsibilities and duties of the project manager, field superintendent, and building contractor. Management decisions and documentation related to organization, synchronization, and cost/schedule control of construction activities are practiced. Lab provides management “situational” practice and Building Information Modeling (BIM) constructions application practice.

Learning Outcomes:

At the end of this course, the student will be able to:

- A. understand project delivery systems, and assemble and manage a project team;
- B. determine the appropriate methods for project construction and documentation;
- C. determine the proper time frame, funding and sequence for each associated task;
- D. manage project costs, resources utilization, and time requirements;
- E. manage project site safety hazards and take action to minimize the potential for accidents occurring;
- F. oversee project quality management;
- G. manage the fiduciary, legal, and regulatory requirements associated with contracted construction; and
- H. deliver an effective speech.

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. evaluate available projects for appropriateness to the company’s business plan; (A)
2. select personnel and resources to compose a project team; (A)
3. evaluate construction bid packages and prepare bids; (B)
4. understand and amend construction contracts, including change orders and shop drawings; (B)
5. plan the project; (C)
6. project funding; (C)
7. schedule the project; (C)
8. project cash flow and learn cost control; (D)
9. project resources (materials, equipment and labor); (D)
10. project critical path work-flow; (D)
11. plan project safety training and management system; (E)
12. plan project quality management system; (F) and

13. plan and schedule financial, legal and regulatory meetings and prepare required reporting. (G,H)

Course Requirements: Textbook, scientific calculator, and graphing or engineering paper tablet.

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://www.bpcc.edu/catalog/current/academicpolicies.html>

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.

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