

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: CONS 100

Credit Hours: 3-3-0

Course Title: Introduction to Building Construction

Course Prerequisite: None

Textbook(s): Jackson, Barbara J., Construction Management JumpStart: The Best First Step Toward a Career in Construction Management, 2nd Edition. Wiley, John & Sons, 2010. ISBN: 9780470609996

Course Description: An overview of the practice of building construction which incorporates first year experience methodology with an introduction to the college major and future professions. Principles of self-discovery include a self-directed learning plan, strengths assessment, and relation of personal characteristics to career success. A strong hands-on component in critical thinking and a research project for professional ethics are also included.

Learning Outcomes:

At the end of this course, the student will:

- A. demonstrate knowledge of the basic premises of the Construction industry and the various roles for construction managers in the building process; (Chapters 1 & 2)
- B. list and define the steps by which a company acquires and completes a construction work project including procuring the job, contract negotiations, types of project delivery systems, the stages of the project, estimated costs, administration of the contracts, management of the office and jobsite, planning and scheduling the work, and monitoring performance; (Chapters 3 – 10)
- C. determine the types of construction management where the student has the greatest potential for success; (Self-assessment tool.)
- D. describe and discuss project quality, safety, and risks; (Chapters 10 – 12 & Research Project) and
- E. pursue additional research on current advances in construction management methods and interoperability within construction related disciplines. (Chapter 13 & Group Research Project)

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

1. read critically both from the text and from outside research sources; (A)
2. conduct at least one interview with a construction manager and report back to the class on the type of work that this manager performs in his position; (B)
3. using a sample project, develop a roadmap for the project to include all the steps in outcome B with both time and resource estimates; (B)
4. perform a self-assessment to determine the areas of construction which hold the most interest and are most closely matched to student abilities; (C)
5. prepare a solo research project discussing the role of quality management in successful construction projects; (D) and

6. work within a team, develop a forward-looking research project for the future of the construction industry based upon new construction methods, automation, and interoperability between disciplines. (E)

Course Requirements:

Textbook, graphing calculator, class reflections notebook, internet access, steel-toed boots or shoes, and work gloves. Eye and hearing protection, and hard hats provided. Use of safety equipment is required.

Note: Lectures for this course may be available on Canvas, and class meetings will be used for discussion and development of course projects. Students are required to complete textbook readings and review lectures before each class period.

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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