

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: CONS 160

Credit Hours: 3-2-3

Course Title: Construction Graphics and Specifications and Laboratory

Corequisite or Prerequisite: CONS 101

Textbook(s): **Huth, Mark.** Understanding Construction Drawings, 7th Edition. Cengage Learning, 2015 ISBN: 9781337408639

Course Description: Practice in light commercial and residential construction graphics interpretation is presented. Construction graphics describing common construction materials and methods are covered in detail. Interpretation of topographic, engineering, plumbing, electrical and mechanical graphics is practiced in lab. Emphasis is placed on residential and commercial building code requirements and Americans with Disabilities Act (ADA) requirements.

Learning Outcomes:

At the end of this course, the student will:

- A. demonstrate skill in construction graphics interpretation;
- B. integrate graphics from various sources to interpret construction requirements;
- C. interpret construction specifications and building codes; and
- D. master Americans with Disabilities Act (ADA) requirements.

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. perform sketching exercises to understand the origin of the drawings; (A)
2. master image scaling; (A)
3. use computer modeling to demonstrate the development of 2D drawings from 3D models; (A)
4. describe the drawing types and order/labeling of construction graphics (drawings); (A)
5. demonstrate understanding of the various types of drawings and how they relate to other drawings in a plan set; (A)
6. practice drawing referencing; (A)
7. determine the source design professional for the graphics and integrate the drawings from all professionals that relate to any part of the construction; (B)
8. use computer modeling to demonstrate the integration of the graphics into the built project; (B)
9. understand the origin and use of construction specifications to add necessary detail to project documents; (C)
10. practice construction specification writing; (C)
11. learn about model building codes, their effects upon the construction drawings and specifications; and their enforcement; (C)
12. describe ADA requirements and their application in the graphics set; (D) and

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13. demonstrate ability to illustrate ADA requirements. (D)

Course Requirements: Textbook and Drawing Tools

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 non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams and/or clinical fees.

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

Angie Cao, Student and Disability Services Specialist

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Equity/Compliance Coordinator

Teri Bashara, Director of Human Resources

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