

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: TEED 143

Credit Hours: 3-1-2

Course Title: Introductory Computer Drafting

Course Prerequisite: MATH 099 or consent of instructor

Textbook(s): Shumaker/Madsen. AutoCAD and Its Applications: Basics 2018, 25th edition. Goodheart-Wilcox, 2017. ISBN: 9781635630619

Course Description: A fundamental course in the use of computer systems to assist in the creation, modification, analysis, or optimization of an engineering design. Major topics include starting AutoCAD, working with drawing files, and creating and editing multi-view drawings with AutoCAD software.

Learning Outcomes:

At the end of this course, the student will:

- A. develop the ability to use computer systems in the field of drafting;
- B. apply basic AutoCAD drafting concepts to the solution of a range of realistic, practical, and theoretical design problems;
- C. create accurate two-dimensional drawings; and
- D. add notations and dimensions to drawings.

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. identify CAD hardware and computer room procedures; (A)
2. describe and use the basic terms, concepts, and techniques of computer-aided drafting; (A)
3. set up drawings, use drawing aids, save drawings and get help when needed; (A)
4. draw lines, basic shapes, geometrical constructions, and edit drawings; (A) and (B)
5. use display options to increase drawing flexibility; (A) and (B)
6. place text on drawings; (A) and (B)
7. create multiple patterns of drawing components; (A) and (B)
8. obtain information about drawings and work with drawing files; (A) and (B)
9. plot or print drawings; (A) and (B) and
10. set up drawing layers and dimension drawings. (B)

Course Requirements: Complete assigned chapter exercises and problems. Complete at least two unit tests and final exam.

Course Grading Scale:

- 90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
0 – 59 = F

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

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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