

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: TEED 140

Credit Hours: 3-3-0

Course Title: Technical Drawing with Engineering Graphics

Course Prerequisite: Math 098

Textbook(s): Giesecke, Ivan. Technical Drawing with Engineering Graphics, 14th edition. Pearson, 2012. ISBN: 9780135090497

Course Description: An introductory course into the study of the graphic images required to fully and clearly define the requirements for engineered items. Provides heavy emphasis on view interpretation and the relationships between views, edges, surfaces, and dimensions. Topics covered include lettering, sketching, orthographic projection, sectioning, primary auxiliaries, and pictorial views. Also includes introduction to basic AutoCAD computer commands required to complete assignments.

Learning Outcomes:

At the end of this course, the student will:

- A. demonstrate an understanding of the role of engineering graphics as a communication tool;
- B. compare different methods of communicating technical details of components and products; and
- C. demonstrate an understanding of basic dimensioning techniques.

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. explain how engineering drawings are developed; (A)
2. exhibit the proper use of drafting instruments; (A)
3. interpret and execute views necessary to describe an object; (A)
4. use proper procedures to create 2-D drawings; (B) and
5. use proper procedures to create a 3-D drawings. (B)

Course Requirements: Complete all homework assignments, lecture 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://www.bpcc.edu/catalog/current/academicpolicies.html>

Revised: 10/30/2018

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

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