

Bossier Parish Community College  
Master Syllabus

**Course Prefix and Number:** TEED 140

**Credit Hours:** 3-3-0

**Course Title:** Engineering Graphics

**Course Prerequisite:** ACT Composite of 15

**Textbook(s):** Giesecke, Ivan. Technical Drawing with Engineering Graphics, 14<sup>th</sup> 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>

**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.

Title VI, Section 504, and ADA Coordinator

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Equity/Compliance Coordinator

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