

Bossier Parish Community College  
Master Syllabus

**Course Prefix and Number:** TEED 142

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

**Course Title:** Industrial Graphics

**Course Prerequisite:** ACT score of 18 or higher, or a grade of “C” or higher in MATH 098, or consent of instructor.

**Textbook(s):** Madsen, David A. Print Reading for Engineering and Manufacturing Technology, 3<sup>rd</sup> edition. Cengage, 2012. ISBN: 9781111308711

**Course Description:** A course for industrial trade apprentices and drafters who need expertise in interpreting industrial blueprints, the ‘graphic language’ of industry. Emphasis is placed on blueprints as related to an industrial setting, symbolism, terminology, notes, material specifications and requirements, and sketching.

**Learning Outcomes:**

At the end of this course, the student will:

- A. describe various types of industrial blueprints and their purpose;
- B. identify and interpret line types, abbreviations, symbols, and information found on different types of prints;
- C. identify various dimensioning methods; and
- D. interpret and calculate dimensions.

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 and explain the necessity and importance of blueprints in industry; (A)
- 2. list the types of information and attributes displayed on industrial prints; (B)
- 3. recognize and discuss why certain views are selected for drawings; (A) and (B)
- 4. develop competent skills to freehand sketch drawings; (A) and
- 5. interpret and calculate dimensions. (B)

**Course Requirements:** Make sketches of assigned objects/problems, complete assigned worksheets/problems and complete 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://www.bpcc.edu/catalog/current/academicpolicies.html>

**Course Fees:** (if applicable)

**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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