

Angelina College
Technology and Workforce Division
BLUEPRINT READING AND SKETCHING DFTG 1325 (HYBRID)
Instructional Syllabus

I. BASIC COURSE INFORMATION

A. Course Description: *(as stated in the bulletin, including necessary pre-requisite courses, credit hours)*

Three hours credit. An introduction to reading and interpreting working drawings for fabrication processes and associated trades. Use of sketching techniques to create pictorial and multiple-view drawings. The student will state the meaning of the alphabet of lines, pictorial and multiple-view drawings, dimensions, notes and symbols, sections and auxiliary views, and working drawings to include detail and assembly drawings. The student will read and interpret drawings, create freehand sketches, and use pictorial and orthographic drawing techniques.

Three lecture hours each week.

B. Intended Audience:

Freshman

C. Instructor:

Name: Brenda Crawford

Office Location: N/A

Office Hours: As Posted or by prior appointment

Phone:

E-mail Address: bcrawford@angelina.edu

II. INTENDED STUDENT OUTCOMES:

A. Core Competencies – (Basic Intellectual Competencies)

- 1. Critical Thinking Skills** to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- 2. Empirical and Quantitative Skills** to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- 3. Teamwork** to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

B. Course Objectives for all sections –

1. Interpret working drawings including dimensions, notes, symbols, sections, and auxiliary views.
2. Sketch pictorials multiple-view drawings..

III. ASSESSMENT MEASURES OF STUDENT LEARNING OUTCOMES:

A. Core Competencies – (Basic Intellectual Competencies)

- 1. Critical Thinking Skills** to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- 2. Empirical and Quantitative Skills** to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- 3. Teamwork** to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

B. Assessments for the Exemplary Objectives–

Not applicable for courses in the Technology & Workforce Division.

C. Assessments for Course Objectives for all sections –

1. Interpret working drawings including dimensions, notes, symbols, sections, and auxiliary views.
2. Sketch pictorials multiple-view drawings..

D. Assessments for the Course Objectives as determined by the instructor –

Not applicable for courses in the Technology & Workforce Division.

IV. INSTRUCTIONAL PROCEDURES:

A. Methodologies common to all sections

- B.** Time Allocation: 48 contact hours
- C.** Lecture - 40 contact hours
- D.** Tests- 8 hours

B. Methodologies determined by the instructor

Instructional Aids:

1. Overhead projector
2. Film strips
3. Marker Board
4. Models

V. COURSE REQUIREMENTS AND POLICIES:

A. Required Textbooks, Materials, and Equipment –

Text: "Basic Blueprint Reading & Sketching", by: Olivo

Supplies:

1. 3 ring notebook
2. Eraser
3. Notebook paper
4. Pencil or Pen

B. Assignments – *(Appropriate due dates, schedules, deadlines)*

Course work:

1. Unit assignments - 29
2. Unit tests -3
3. Final Exam

C. Course Policies – (This course conforms to the policies of Angelina College as stated in the Angelina College Handbook.)

Academic Assistance – If you have a disability (as cited in Section 504 of the Rehabilitation Act of 1973 or Title II of the Americans with Disabilities Act of 1990) that may affect your participation in this class, you should see Maria Lopez or Steve Hudman in room 200 of the Student Center. At a postsecondary institution, you must self-identify as a person with a disability; Ms. Lopez and Mr. Hudman will assist you with the necessary information to do so. To report any complaints of discrimination related to disability, you should contact Mr. Steve Hudman, Dean of Student Affairs, in Room 101 of the Student Center. You may also contact Dean Hudman by phone at [\(936\) 633-5292](tel:936-633-5292) or by email shudman@angelina.edu.

Attendance –Attendance is required as per Angelina College Policy and will be recorded every day. Any student with three (3) consecutive absences or four (4) cumulative absences may be dropped from the class, this does not include absences for college-authorized activities, but it does include absences for illness. Attendance records will be turned in to the College Records Office at the end of the semester. Do not assume that non-attendance in class will always result in an instructor drop. You must officially drop a class or risk receiving an F. This is official Angelina College Policy.

Student's Responsibility For Attendance-(This is official Angelina College Student Handbook Policy)

1. It is the responsibility of the student to attend all classes and a record of attendance will be kept for all classes by the instructor.
2. It is the responsibility of the student to withdraw officially in the College Records Office from a class the student no longer desires to attend. Failure to do so may result in a failing grade.
3. Excessive absences are defined as three or more consecutive absences or four or more cumulative absences. Absences in online courses are based on an equivalent participation formula.
4. Students will not be dropped and will be allowed to make up work for absences because of college authorized and sponsored activities. It is the student's responsibility to arrange for make-up work with the instructor and to complete it within a reasonable time.
5. A student dropped because of excessive absences will be directed to seek the approval of the instructor to be reinstated.
6. All make-up work is at the discretion of the instructor and is defined in the course syllabus.

Additional Policies Established by the Individual Instructor –

Assignments are due on the date assigned. Assignments turned in late will not receive full credit. Test must be taken on the scheduled date. Special arrangements must be made before the day of the test for exceptions covered under the college catalog.

VI. COURSE CONTENT:

A. Required Content/ Topics – *(common to all sections)*

Emphasis will be on developing skill in sketching multiple-view drawings and interpreting working drawings.

B. Additional Content *(as required by the individual Instructor)*

A. Unit assignments will be evaluated on:

1. Accuracy
2. Neatness
3. Form

B. Unit Test:

1. Each unit test has a value of 100%
2. Partial credit for problems may be awarded.

C. Final Exam:

1. The final will cover material since the last unit test.
2. The final will be comprehensive only with regard to concepts and terms which form a basis for the subject matter.

VII. EVALUATION AND GRADING:

A. Grading Criteria *(percents, extra credit, etc.)*

The final grade will be composed of:

1. In-class Lab assignments and assignments submitted utilizing Blackboard - 50%
2. Unit test - 40%
3. Final exam - 10%.

To receive credit for unit tests and final exams, they must be taken at the designated location and in the presence of the instructor.

B. Determination of Grade *(assignment of letter grades)*

- 90-100 - A
- 80-89 - B
- 70-79 - C
- 60-69 - D
- Below 60 - F

VIII. SYLLABUS MODIFICATION:

The instructor may modify the provisions of the syllabus to meet individual class needs by informing the class in advance as to the changes being made.

- IX.** As a student enrolled in a Technology & Workforce program, you will encounter certain risks while you are in a classroom, laboratory experience, or in a clinical or practicum setting. In the event that you sustain an injury and/or require any medical testing or care, all resulting medical expenses (hospital, ambulance, or physician fees), are your financial responsibility and not the responsibility of Angelina College or the clinical/practicum site.