Technical Drafting 202610.DFTG1305.1A1

CREDIT
3 Semester Credit Hours (2 hours lecture, 4 hours lab)

MODE OF INSTRUCTION
Hybrid

PREREQUISITE/CO-REQUISITE:
None

COURSE DESCRIPTION

An introduction to the principles of drafting to include terminology and fundamentals, size and shape descriptions, projection methods, geometric construction, sections and auxiliary views.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to
1. Demonstrate an understanding of geometric construction and various view selections
2. Principles of working drawings
3. Demonstrate an understanding of geometric construction and various view selections
4. Technical sketching
5. Orthographic projection theory and practice
6. Auxiliary views and isometric views
7. Competency in sectioning, dimensioning and tolerance

INSTRUCTOR CONTACT INFORMATION

Instructor: Stanley Spooner

Email: saspooner@lit.edu

Office Phone: 409-247-5214

Office Location: Building T5 Room 109

Office Hours: Tuesday   10:00am – 11:00am

REQUIRED TEXTBOOK AND MATERIALS
1. No textbook required.
2. Drafting tools per class supply list

Approved: SAS / 1/16/26

ATTENDANCE POLICY
Attendance is expected of all students.

DROP POLICY
If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the Academic Calendar. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

STUDENT EXPECTED TIME REQUIREMENT
For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE CALENDAR

DUE DATES	ASSIGNMENTS
2/5/26	Lettering Sheet A
2/5/26	Lettering Sheet B
2/12/26	Sketch Exercise A thru F
2/12/26	Sketch Exercise G thru K
2/19/26	Rocker Arm (pencil freehand sketch - show no dimensions)
2/26/26	Boiler Stay (pencil freehand sketch - show no dimensions)
3/5/26	Gear Arm (pencil freehand sketch - show no dimensions sketch)
3/5/26	Arcs and Circles (pencil drawing use compass)
3/19/26	Latch Plate (pencil drawing - show no dimensions)
3/19/26	Orthographic Sketch A – use straight edges and triangles
3/19/26	Orthographic Sketch B – use straight edges and triangles
3/26/26	Orthographic/Section Drawing A – use straight edges and triangles
3/26/26	Orthographic/Section Drawing B– use straight edges and triangles
4/2/26	Orthographic/Section Drawing C– use straight edges and triangles
4/9/26	Safety Key Orthographic (top, front, right side views) (show no dimensions)
4/16/26	Rod Support Orthographic (top, front, right side views) (show no dimensions)
4/23/26	Bearing Orthographic (top, front, right side views) (show no dimensions)
4/30/26	Isometric Drawing A
4/30/26	Isometric Drawing B
4/30/26	Isometric Drawing C
5/7/26	Frame Guide Final Drawing (top, front, right side views) (show all dimensions)

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Activity	Percentage
Drawings (Hybrid Off -Campus)	70%
Drawing Completions Percent Grade	10%
Final Drawing	20%
Total	**100%**

NOTE -   25 point deduction for assignments two weeks late.

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

LIT does not use +/- grading scales

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty.

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please

contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

STUDENT CODE OF CONDUCT STATEMENT
It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT
Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses.

STARFISH
LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION