

Intermediate CAD 202510.DFTG2319.1A1

**CREDIT**

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

**MODE OF INSTRUCTION**

Hybrid

**PREREQUISITE/CO-REQUISITE:**

DFTG 1309

**COURSE DESCRIPTION**

A continuation of practices and techniques used in basic computer-aided drafting including the development and use of prototype drawings, construction of pictorial drawings, extracting data, and basics of 3D.

**COURSE OBJECTIVES**

Upon completion of this course, the student will be able to

1. Produce a working set of detailed dimensioned drawings with the proper orthographic projections and scales.
2. Create external reference drawings (XREFs) to produce another detailed drawing.
3. Set-up and create Prototype (Template) drawings to the proper scale for use with other drawings.
4. Create pictorial drawings (Isometrics) from 2D views of objects.(Isometrics)
5. Successfully Extract 100% of the data from graphic files using Attributes and use this data to create a bill of material.
6. Create 3D Wireframe and Solids models to scale. Extract the 2D orthographic projections to create a dimensioned detailed working drawing

**INSTRUCTOR CONTACT INFORMATION**

Instructor: Johnny Pousson

Email: [jl Pousson@lit.edu](mailto:jl Pousson@lit.edu)

Office Phone: 409-247-5136

Office Location: TA5 room 109

Office Hours: Varies

Approved: SAS / 1-25-25



**LAMAR INSTITUTE  
OF TECHNOLOGY**

## REQUIRED TEXTBOOK AND MATERIALS

1. *AutoCAD and its Applications - Comprehensive* by Shumaker/Madsen/Madsen, 25<sup>th</sup> edition

a. ISBN number is 978-1-63563-063-3

2. Flash Drive – 1GB minimum

3. Notebook with dividers

4. Access to computer with AutoCAD

## ATTENDANCE POLICY

**All work during absence must be made up.**

**20% absence allowed – 4 tardies are equivalent to 1 absence.**

**Miss more than 20% of classes and receive a grade of F for the course.**

## DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process.

If you stop coming to class and fail to drop the course, you will earn an “F” in the course.

## COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
24-Jan	Intro & materials	Isometrics **	All assignments due
31-Jan	Borders	Stair iso	Per semester schedule
7-Feb	Blocks, multi-view	Block, layer check	Shown in blackboard
14-Feb	Isometrics, viewports	Chassis base	
21-Feb	Dim styles, scales	Spacer 1, 2	
28-Feb	Chassis	CH18PR23	
7-Mar	Chassis	2D test, Mechanical flow diagram	
14-Mar	Sections, index feed	3D modeling (test grade)	
21-Mar	Wire frame	Block 3D	
28-Mar	3D basics	P19 3D	
4-Apr	Tool holder 3D	Crossfeed stop - tail stock	
11-Apr	Tool holder 3D	Crossfeed stop 3D - tail stock 3D	
18-Apr	Assemblies	Mounting pin 3D w/ sections	
25-Apr	Drill press	3D	
2-May	Drill press	Notebooks, finals review	
10-May	Final 3D, notebooks	Finals	

## **COURSE EVALUATION**

Final grades will be calculated according to the following criteria:

Assignments	25%	(Off Campus On-line Assignment Progression)
Test	25%	
Professionalism	10%	
Projects	20%	(Off Campus On-line Assignment Progression)
Final	20%	

## **GRADE SCALE**

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

## **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](mailto: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](http://www.lit.edu). Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

## **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**

1. No food, drinks or use of tobacco products in class.
2. No foul or harsh language will be tolerated.
3. Turn off all cell phones during lectures.
4. Headphones may be worn only upon instructor approval.
5. Do not bring children to class.
6. No cheating of any kind will be tolerated. Students caught cheating or helping someone to cheat can  
and will be removed from the class for the semester. Cheating can result in expulsion from LIT.
7. If you wish to drop a course, the student is responsible for initiating and completing the drop process.

If you stop coming to class and fail to drop the course you will earn an "F" in the course.

### **8. Back-ups**

It is the student's responsibility to make back-up copies of their work. Do not rely on the server to be

there 100% of the time. I cannot help you if you lose your work. Remember that in order for your work

to be graded it must be turned in.

### **9. Internet usage**

- a. Classroom computers have access to the internet.
- b. Student usage of the internet will be monitored.