Intermediate CAD 202390.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:	jlpousson@lit.edu
Office Phone:	409-839-2060
Office Location:	TA5 room 109
Office Hours:	Varies

Approved: SAS / 1-20-2023

REQUIRED TEXTBOOK AND MATERIALS

1. *AutoCAD and its Applications - Comprehensive* by Shumaker/Madsen/Madsen, 25th 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)
Week 1	Intro & materials		All assignments due
Week 2	Borders		Per semester schedule
Week 3	Blocks, multi-view		Shown in blackboard
Week 4	Isometrics, viewports		
Week 5	Dim styles, scales		
Week 6	Chassis		
Week 7	Chassis		
Week 8	Sections, index feed		
Week 9	Wire frame		
Week 10	3D basics		
Week 11	Tool holder 3D		
Week 12	Tool holder 3D		
Week 13	Assemblies		
Week 14	Drill press		
Week 15	Drill press		
Week 16	Final 3D, notebooks		

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Assignments 25%

Test	25%
Professionalism	10%
Projects	20%
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. 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.

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.