MECH 3105 – Computer-Aided Design Laboratory

Professor Contact Information

Dr. Oziel Rios
Office: ECSN 2.506
Office Hours: Tuesday and Thursday 12:00pm-1:00pm
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When sending an email, make sure to include the class and section number (e.g., MECH 3105.101). Grades will only be discussed in person during office hours. If you have a time conflict, it is your responsibility to schedule an appointment that is convenient for both you and the instructor.

TA Contact Information

Name: TBD
Office:
Office Hours:
Email:

When sending emails, make sure to include the class and section number (e.g., MECH 3105.101). Grades will only be discussed in person during office hours. If you have a time conflict, it is your responsibility to schedule an appointment that is convenient for both you and the TA.

Course Pre-Reqs, Co-Reqs and Other Restrictions

Pre-requisite(s):   None
Co-requisite(s):   MECH 3305 – Computer-Aided Design
Other Restrictions: None

Course Description

Project-based course associated with MECH 3305. Design projects involving CAD tools constitute a major portion of the course.

The Course Learning Outcomes (CLOs) for this course are:
1. Model mechanical components and assemblies using CAD software.
2. Produce parametric curves for complex shapes.
3. Create engineering drawings.

Required Textbooks and Materials

Required:
CREO Parametric 2.0 Tutorial and Multimedia CD
by Roger Toogood and Jack Zecher
ISBN-13: 978-1585038152

Additional Materials:
Lab tutorials will be supplied.

Software:
CREO Parametric 2.0 (formerly Pro/Engineer Wildfire) is available in the CAD lab but a student version can be downloaded for free from the PTC website:

http://www.ptc.com/appserver/wcms/forms/index.jsp?&im_dbkey=86840&icg_dbkey=482

You must register with your UT Dallas email. Ensure that your computer meets the minimum system requirements before installing the software.

Grading Policy

Students will work on assignments involving the use of CREO Parametric. Take-home assignments will constitute **50%** of your grade. An additional **30%** of your grade will be for in-class assignments which must be completed before you leave the lab on the day they are assigned. The remaining **20%** of your grade will be for lab attendance.

You have five business days to appeal any grade or absence (contact the instructor). The five days will be counted starting from the day the item in question is returned or the grade has been provided in eLearning.

Final letter grades will be assigned according to the following ranges. This guideline is subject to change at the discretion of the instructor.

A+	$97 \leq x$	C+	$77 \leq x < 80$
A	$93 \leq x < 97$	C	$73 \leq x < 77$
A-	$90 \leq x < 93$	C-	$70 \leq x < 73$
B+	$87 \leq x < 90$	D+	$67 \leq x < 70$
B	$83 \leq x < 87$	D	$63 \leq x < 67$
B-	$80 \leq x < 83$	D-	$60 \leq x < 63$
		F	$60 > x$

Course Policies

Email
Email must be sent from your UTD email account to the UTD email address of the instructor (or TA). Please allow 24-36 hours for a response during the week.

Assignments
The take-home assignments must be submitted in eLearning on the day indicated on the assignment or by the instructor. **No late assignments will be accepted** without proper documentation (doctors note, etc.).

The in-class assignments must be completed before the lab ends and submitted in eLearning.

Attendance
Lab attendance is mandatory and will be verified by the TA. If you are more than 30 minutes late to lab, you will not receive attendance credit for that lab session, no exceptions.

Academic Dishonesty
Academic dishonesty will not be tolerated and will result in a grade of **F** in this course.

University Policies

Academic Integrity: The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrates a high standard of individual honor in his or her scholastic work.

Academic Dishonesty*: Academic dishonesty can occur in relation to any type of work submitted for academic credit or as a requirement for a class. It can include individual work or a group project. Academic dishonesty includes plagiarism, cheating, fabrication, and collaboration/collusion. In order to avoid academic dishonesty, it is important for students to fully understand the expectations of their professors. This is best accomplished through asking clarifying questions if an individual does not completely understand the requirements of an assignment.

Academic dishonesty will not be tolerated. All suspected cases of academic dishonesty will be sent to the Office of Judicial Affairs (see http://www.utdallas.edu/deanofstudents/managing/).   If it is determined that academic dishonesty occurred you will receive a grade of **F** in this course.

Sharing Confidential Information: Students considering sharing personal information in email, in person, or within assignments or exams should be aware that faculty members and teaching/research assistants are required by UT Dallas policy to report information about sexual misconduct to the UT Dallas Title IX Coordinator. Per university policy, faculty have been informed that they must identify the student to the UT Dallas Title IX Coordinator. Students who wish to have confidential discussions of incidents related to sexual harassment or sexual misconduct should contact the Student Counseling Center (972-883-2527 or after hours 972-UTD-TALK or 972-883-8255), the Women's Center (972-883-8255), a health care provider in the Student Health Center (972-883-2747), the clergyperson (or other legally recognized religious advisor) of their choice, or an off-campus resource (i.e., rape crisis center, doctor, psychologist). Students who are sexually assaulted, harassed, or victims of sexual misconduct, domestic violence, or stalking, are encouraged to directly report these incidents to the UT Dallas Police Department at 972-883-2222 or to the Title IX Coordinator at 972-883-2218. Additional information and resources may be found at http://www.utdallas.edu/oiec/title-ix/resources.

Technical Support: If you experience any issues with your UT Dallas account, contact the UT Dallas Office of Information Technology Help Desk: assist@utdallas.edu or call 972-883-2911 UT Dallas provides eLearning technical support 24 hours a day/7 days a week. The services include a toll free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service. Please use this link to access the UTD eLearning Helpdesk: http://www.utdallas.edu/elearning/eLearningHelpdesk.html.

Student Conduct and Discipline: The University of Texas System (Regents' Rule 50101) and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on

student conduct and discipline is contained in the UT Dallas online catalogs (http://catalog.utdallas.edu).

For a full list of university policies, please visit http://go.utdallas.edu/syllabus-policies.

THE INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE AT THE DISCRETION OF THE INSTRUCTOR.