

Course Syllabus

MECH 1208-001, Introduction to Mechanical Engineering II

Course Information

MECH1208. Introduction to Mechanical Engineering II

Fall 2016

Wednesday and Friday: 12 Noon – 12:50 PM

Lecture Room: JSOM 12.206

Starts: August 22, 2016, **Ends:** December 7, 2016

Studio: ECSN 2.316 and 2.318

Professor Contact Information

Dani Fadda, Ph.D., P.E.

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Office Phone: 972-883-4626

Office: ECSN 2.906

Office Hours: Tuesday 8:30AM–10AM

TA Contact Information

Name: TBD

Office: TBD

Office Hours: TBD

Email: TBD

Course Pre-requisites Co-requisites and/or Restrictions

Pre-requisite(s): ECS 1200

Co-requisite: PHYS 2325/2125 and MATH 2419 or MATH 2414

Other Restrictions: None

Description:

The purpose of this course is to give students a general understanding of the broad range of technical areas and applications specific to the mechanical engineering profession. Course activities include team-oriented competitions, and lectures by mechanical engineering experts.

Course Learning Outcomes (CLOs)

1. Explain concepts in mechanical design, forces and stresses, engineering materials, motion and power transmission, and thermal and energy systems.
2. Develop problem-solving and communications skills.
3. Function as a team on group projects.
4. Explain how continued education and knowledge of contemporary issues is important for the long-term effective practice of engineering

Additional Topics Covered

1. Instilling an Entrepreneurial Mindset: Delivering an Elevator Pitch, KEEN, <http://www.kffdn.org/>

Textbooks and Materials

1. Book: Engineering: The University of Texas at Dallas, MECH 1208, Pearson Custom Library, ISBN-13: 978-1-323-34463-7
2. eLearning module: KEEN's Delivering an Elevator Pitch will be uploaded on eLearning
3. Additional materials will also be available on eLearning

Assignments

Assignments must be submitted before the due date through eLearning. Read the instructions carefully and upload your correct file.

Email

Email must be sent from your UTD email account to UTD email address of the instructor or TA with the subject of the email as: MECH 1208-001.

Lectures

Lecture notes will be posted in eLearning. However, some concepts will be discussed on white board or overhead projector. You are required to take notes in that case.

No use of cell phones or other devices that may disturb others is allowed in class. Talking or doing unrelated work during lectures can be disruptive to those around you and is not allowed.

Grading Policy

Exams	40%
Homework Assignments and In-Class Activities.....	60%

- Attendance will be recorded in the studio sessions and a grade of zero (0) will be given for a lab session in case of absence. If absence is due to illness, the student must produce a note from a doctor.
- If resubmittal of any assignment is required for any reason, 50% of the grade will be deducted.
- You have five business days to appeal any grade or absence (contact the instructor or TA during office hours). The five days will be counted starting from the day the grade has been provided in eLearning.
- Make-up exams will only be given with instructor approval which must be granted before the exam date or under unusual circumstances. If an exam is missed due to illness, the student must bring a proof from doctor's office

Changes

The descriptions in this syllabus are subject to change at the discretion of the instructor.

Comet Creed

“As a Comet, I pledge honesty, integrity, and service in all that I do.”

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same.

Policies and Procedures for Students

The University of Texas at Dallas provides a number of policies and procedures designed to provide students with a safe and supportive learning environment. Brief summaries of the policies and procedures are provided for you at <http://coursebook.utdallas.edu/syllabus-policies/> and include information about technical support, field trip policies, off-campus activities, student conduct and discipline, academic integrity, copyright infringement, email use, class attendance, withdrawal from class, student grievance procedures, incomplete grades, access to disability services, and religious holy days.
