

**MECHANICAL VIBRATIONS**  
**MCHE 485**  
**Spring 2020**

**INSTRUCTOR:** Dr. Mike Elsayed

**ROOM:** CLR 257

**EMAIL:** For communication use melsayed@louisiana.edu.  
For assignments use mae6872@gmail.com. See below for the format.

**TEXTBOOK:**

"Theory of Vibrations with Applications" Thomson 5th. Ed.  
Prentice Hall.

**PREREQUISITES:**

MATH 350, and ENGR 313, MCHE 301.

**POLICIES:**

**A- Attendance**

Attendance is required in all classes and labs. Attendance will be recorded for each class.

Student arriving to class after roll call is responsible for notifying the instructor after class in order to be counted as present.

Permission must be obtained in advance for absence in special circumstances.

**B- Use of Computers During Class:**

During class periods, personal use of electronic devices (e.g., email, Facebook, YouTube...) is prohibited. Students who violate this policy may be asked to leave the class.

**C- Use of Cell Phones During Class:**

All cell phones and other communication devices must be out of sight in a pocket or backpack during class periods. Students who violate this policy will be asked to leave the class. Violations that occur during an exam period will also result in a zero on the exam.

## **D- Use of Programmable Calculators During Tests:**

Programmable calculators or smart phones capable of storing formulas are not allowed during quizzes or tests. Use a simple calculator with basic trig and log functions. It is your responsibility to come to class with a proper calculator, since quizzes are given frequently.

## **E- Assignments and Tests**

There will be homework, quizzes, tests and other assignments. Work not submitted by the deadline will not be accepted. There will be frequent quizzes. There will be **NO MAKEUP FOR QUIZZES OR TESTS.**

The following weights will be assigned:

### **1- Attendance 5%**

1% for each class missed, for a maximum of 5 absences. Students with excessive absence may be asked to drop the course.

### **2- Homework and Assignments 5%**

Bonus points will be added for class participation.

HW should be written neatly on engineering paper.

Assignment reports, programs, figures, plots etc. must be computer-generated and professional. Organization, such as cover sheets, table of contents etc., is important.

- Some assignment may be submitted electronically.
- Mail the assignment to [mae6872@gmail.com](mailto:mae6872@gmail.com). DO NOT SEND THEM TO MY UL EMAIL.
- Files should be in pdf format. Do not send WORD files.
- Follow the following example of naming the files.
  
- Example: MCHE 485\_Assign1\_Smith\_John.pdf
- In the Subject field of the email put: MCHE 485\_Assign1\_Smith\_John

HW and Assignments are due by the time of each test.

### **3- Quizzes 20%**

Quizzes are frequent and often, but not always, announced in advance.

### **4- Tests 70%**

**5- Grades**

Grades will be assigned according to the following scale:

A: 90-100, B: 80-89, C: 70-79, D: 60-69, Below 60: F

**F- Important Note:**

Copying another student's homework, reports, or any other work for which a grade is assigned is considered cheating. Students engaged in this conduct will be referred to the administration for disciplinary action.