Syllabus

Fundamentals of Engineering Acoustics

ECE 473 Fall 2022

Instructor: Professor Michael L Oelze, PhD
Office: Beckman Institute 4251, Ph: 3-9226
Office hours: 10:00-11:00am T (ECEB 2084); 2:00-3:00pm Th (Beckman 4251)
Email: oelze@illinois.edu


Grading: Homework 25% (Homework typically due each Friday) (no late homework accepted)
Exams (2 @ 20%) 40%
Final Exam 35%

All exams will be open notes and open book.
No phones or calculators allowed.

Graduate students taking the course for 4 hours rather than 3 hours should write a paper dealing with some aspect of acoustics that will be worth one third of their homework grade (typically 8 pages with minimum of 5 peer-reviewed references).

Grader: Zhengchang Kou (email: zkou2@illinois.edu)

Course will cover:
- Chapters 1 and 2 (Basics)
  - Chapter 1: 1-7
  - Chapter 2: 1-8, 9a, 10
- Chapters 5, 6, 8, 9 and 10 (Transmission Phenomena)
  - Chapter 5: 1-12
  - Chapter 6: 1-6
  - Chapter 8: All (?)
  - Chapter 9: 1-2
  - Chapter 10: All
- Chapters 7 and 14 (Production/Reception)
  - Chapter 7: 1-6, 8
  - Chapter 14: 1-5, 7-13 (?), most likely just 7

Lecture notes are available at https://courses.engr.illinois.edu/ece473/index.htm
Login with A/D password