Syllabus

Fundamentals of Engineering Acoustics

ECE 473               Fall 2023

Instructor:  Professor Michael L Oelze, PhD
Office: Beckman Institute 4251, Ph: 3-9226
Office hours: 10:00-11:00am T; 2:00-3:00pm Th (Beckman 4251)

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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).

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.grainger.illinois.edu/ece473/fa2023/index.htm
Login with A/D password