Syllabus

Fundamentals of Engineering Acoustics

ECE 473  Fall 2016

Instructor: Associate Professor: Michael L Oelze, PhD

Office hours:  ECEB 2032 (3-9226) – 9:30-10:45am T; 4:00-5:00pm Th
Email: oelze@illinois.edu

(John Wiley & Sons, New York, 2000)

Grading:  

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

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: Trong Nguyen (email: tnnguyn2@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 http://courses.ece.illinois.edu/ECE473/index.htm
Login with A/D password