Basic Acoustics for Speech and Hearing
Spring Semester 2001

Course Instructor: Eric Hunter — Office 328G WJSHC, *eric-hunter@uiowa.edu*

Teaching Assistants: Tiffany Johnson — *tiffany-johnson@uiowa.edu*
Becky Warner — *rebecca-warner@uiowa.edu*

Texts and Readings:

Texts: Speaks, C.E., *Introduction to Sound*. San Diego: Singular Pub., 3rd Ed.

Speaks, C.E., Zobits, M. R., & Carney, D., *Course Notes and Workbook for Introduction to Sound*. San Diego: Singular Pub., 3rd Ed.

Others: Some topics not covered by the book will be discussed. Readings that will supplement these lectures will be made available.

Calculator:
A calculator is required for the course. Any calculator which has LOG and ANTILOG (or inverse LOG) will be adequate. Unless you have previously used a programmable calculator, they are NOT recommended.

Grading:

Exam 1: 20%	Final: 35%
Exam 2: 20%	*Other: 25%

Lectures:
As a student, you are expected to attend ALL lectures. Since examinations will be based primarily on lecture materials, it is in your best interest to attend. Be warned that if attendance wanes, pop quizzes at the beginning of lectures will be given. I enjoy teaching and I expect lectures will be both interesting and entertaining for students; however, I know that there is always room for improvement. Suggestions to the improvement of lecture time are welcome.

Lab Discussion Sections:
The small-group lab discussion sections for which you are enrolled will be for 1 hr. 40 min. per week as scheduled. They will be used for demonstrations, practice in problem solving, and discussion of lecture material. Attendance will be taken in the lab sections and will contribute to the grade assigned by the teaching assistants. Most lab sections will require a lab write-up which will also contribute to the final course grade. Quizzes may occasionally be given in lab.

Additional Help:
If you need additional help in the course, you should see the teaching assistant or the course instructor. The teaching assistants will have scheduled office hours. Appointments can be made with the course instructor. For students who feel they need additional help beyond that which reasonably can be provided by the teaching assistants or instructor on an individual basis, we will be happy to recommend possible tutors.

Course Goals:
The course goals are to develop both an understanding of basic concepts of acoustics as well as skill in calculating various acoustic quantities. Specifically, this course is designed to provide the basic foundation in acoustics that is needed to understand the speech and hearing processes and the disorders of those processes. It is a prerequisite for 003:113, Introduction to Hearing Science, as well as a prerequisite or corequisite for 003:112, Anatomy and Physiology of Speech Production.

Academic Misconduct and Complaints:
The policies of the College of Liberal Arts concerning academic misconduct and procedures for students to make complaints about a course or instructor are provided in a separate handout. In general, complaints should be brought first to the course instructor and then, if they cannot be resolved, to the department chair. The Chair of the Department of Speech Pathology and Audiology, Professor Richard Hurtig, can be contacted by seeing the receptionist in the main departmental office, Room 119 Speech and Hearing Center.