



Duration:	12 weeks
Course:	Acoustics
Instructor:	Martin Pilchner

Course Objective: An understanding of the principles of acoustics necessary in sound recording. Students will acquire a firmer understanding of the physical properties of sound and its interaction with enclosed spaces as well as gaining greater insight into how the ear-brain mechanism processes information into perception.

Bio: Martin is president of Pilchner Schoustal International Inc, an acoustic architecture firm which over the last 35 years has designed well over 1000 recording facilities around the world. Martin has an extensive background in electronics, audio engineering, acoustics, architecture and computers.

Week	Topic
1	Introduction
2	History/Decibels
3	Physics of Sound
4	Physics of Sound
5	Physics of Sound
6	Perception
7	Absorption/Reverberation
8	Modal Analysis
9	Speaker Boundary Interference
10	Sound Isolation
11	Vibration
12	Review

Evaluation

Attendance	10%
Assignment	40%
Final Exam	50%
Total	100%