

Acoustics& Noise Control

Last Updated: Tue, 03/17/2026

Course prefix: ME

Course number: 4760

Section: A

CRN

88492

Instructor first name: Costas

Instructor last name: Arvanitis

Semester: Fall

Academic year: 2026

Course description: Study of acoustics related to noise and its control; acoustic terminology, wave propagation, wave equation solutions, instrumentation, data processing, room acoustics, noise control, hearing, noise legislation. Crosslisted with AE 4760.

Academic honesty/integrity statement:

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are

expected to act according to the highest ethical standards. All students enrolled at Georgia Tech, and all

its campuses, are to perform their academic work according to standards set by faculty members,

departments, schools and colleges of the university; and cheating and plagiarism constitute fraudulent

misrepresentation for which no credit can be given and for which appropriate sanctions are warranted

and will be applied. For information on Georgia Tech's Academic Honor Code, please visit

<http://www.catalog.gatech.edu/policies/honor-code/> or Academic Honor Code.

Any student suspected of cheating or plagiarizing on a quiz, exam, or assignment will be reported to the

Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Core IMPACTS statement(s) (if applicable):

This is a Core IMPACTS course that is part of the Institution area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge

in foundational academic areas. This course will help students master course content, and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question:

□ How does my institution help me to navigate the world?

Completion of this course should enable students to meet the following Learning Outcome:

□ Students will demonstrate the ability to think critically and solve problems related to academic priorities at their institution.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

□ Critical Thinking

□ Teamwork

□ Time Management