Course Description
This course is designed for M.S.-level students. It covers the hierarchy of mathematical models for compressible flows and an introduction to finite difference, finite volume, and finite element methods for their computation.

Course Outline

Prerequisites
Basic knowledge of linear algebra and ODEs (CME 206 or equivalent).

Textbooks and Other Reading Materials
- Lecture notes and various reading materials.

Instructor
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Students with Documented Disabilities
Students who may need an academic accommodation based on the impact of a disability must initiate the request with the Student Disability Resource Center (SDRC) located within the Office of Accessible Education (OAE). SDRC staff will evaluate the request with required documentation, recommend reasonable accommodations, and prepare an Accommodation Letter for faculty dated in the current quarter in which the request is being made. Students should contact the SDRC as soon as possible since timely notice is needed to coordinate accommodations. The OAE is located at 563 Salvatierra Walk (phone: 723-1066).