

Plan for the beginning of the course:

Note that our syllabus mentions

partial differential equations
(PDEs)

require knowledge of ordinary differential eq^{ns} (ODEs). We'll study an elastic-bar application to motivate the study of ODEs & to serve as a basis for a discussion of ODEs. The discussion will not be comprehensive!

can be introduced via an example: Laplace's eq. It arises in many applications! We'll study its derivation to motivate & serve as a basis for a discussion of LINE & SURFACE INTEGRALS