

Department of Applied Mechanics, IIT Delhi
First Semester, 2023-2024

Continuum Mechanics (APL 701) 3-0-0

Course Co-ordinator

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Teaching Assistants

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Lecture Schedule

C slot, TWF 8:00-8:50 am

Venue

LH 512

Text

Mase, Smelser & Rossmann, Continuum Mechanics for Engineers, Fourth Edition, CRC Press.

Lecture Outline

#	Topics
1	Continuum Concept
2	Stress Principles
3	Kinematics of Deformation and Motion
4	Conservation Laws – mass, momentum, energy
5	Linear Elasticity
6	Classical Fluids

Evaluation

Quizes (20%), Mid semester exam (30%), End semester exam (50%)

Note

- All evaluative components of this course are open book in nature with access only to the hand-written notes. Any book/photocopy is not allowed.
- The course-coordinator and TAs are available for in-person consultation after prior appointment taken through email. They are unavailable 5 days before any non-practical evaluative component.
- Any change in this course outline will be communicated through announcement.
- Institute rules apply for any aspect of the course which is not specifically mentioned here.