APL104 Leclure 1 8/3/2022 Note Title Solid Mechanics Instructors: Prof. Ajæt Kumar, Prof. Rajdip Nayek Minor - 30%. Major - 40%. Course website: 2 quizzes; 10×2 Attendance: 10% (>80%) Reference book - Advanced Mechanics of Solids (LS Srinath) → 9f it is not more than 86%, you will fail - Strength of Materials (Timoshanko) Father of Solid Mech.

Solid Mechanics: Mechanics Solid Mechanics Fluid Mechanics Adv. Solid Meh reigid body; distance between any two points remain the same!

Malhematical preliminaries.

Vectors: A vector has magnitude and direction

- A vector is independent of the coordinate pystem where as els component (its column frm) are dependent on the coordinate pystem.