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## ME 201 (AUG) 3:0

### Fluid Mechanics

**Instructor(s):** Jaywant H Arakeri, Ratnesh K Shukla & Gaurav Tomar

**Course description:**

Fluid as a continuum, mechanics of viscosity, momentum and energy theorems and their applications, compressible flows, kinematics, vorticity, Kelvin's and Helmholtz's theorems, Euler's equation and integration, potential flows, Kutta-Joukowski theorem, Navier-Stokes equations, boundary layer concept, introduction to turbulence, pipe flows.

**Prerequisites:**

Kundu, P.K., and Cohen, I.M., Fluid Mechanics

**Resources:**

**Outcomes:**

**Additional information:**

**Course website:**