

## **ENGINEERING HYDRAULICS**

2-1-0-0-8

Introduction; Dimensional Analysis; Flow through closed conduits: Laminar flow, Turbulent flow, Pipes in Series and Parallel, Pipe Networks, Unsteady flow, Design of water distribution network; Flow through open channels: Uniform flow, Critical flow, Gradually Varied flow, Rapidly Varied flow, Channel Transitions, Spatially Varied flow, Unsteady flow, Analysis and design of rigid boundary and mobile boundary channels; Flow Measurement: Pressure, Velocity and Discharge measurements.