

CEE 8503: Open Channel Hydraulics

Free surface flow in canals, chutes, bends, gradual and abrupt transitions, stilling basins and energy dissipators, constrictions, bridge waterways, spillways; channel delivery; water-surface profiles in artificial and natural channels; unsteady flow, wave propagation and surges; design criteria and case histories; mathematical models including HEC-RAS. Prerequisite: CEE 7111 (or its equivalent).

Credits: 3.0