
Tuesday, September 6 (1 p.m. – 5 p.m.)

Registration/Sign-in

Introductions

Channel Hydraulics

Wednesday, September 7 (8:30 a.m. – 5 p.m.)

Introductions, Course Overview

Lecture: Basic HEC-RAS Analysis - Required information, project title, geometric data, flow regime, starting conditions, loss coefficients, flow rates

Workshop: Basic HEC-RAS Analysis

Lecture: Introduction To Unsteady Flow Analysis - Unsteady flow definition, unsteady flow applications, unsteady flow analysis using HEC-RAS, required input, reviewing output, different geometric features available, example model scenarios where unsteady flow analysis is applicable

Lecture: Data Requirements For Unsteady Flow Models - Types of data required, sources, and availability. Limitations and flexibility of HEC-RAS with regard to data. Focus on preparing geometric data (cross sections) and processing that data with HEC-RAS pre-processor (HTAB).

Workshop: Unsteady Flow

Thursday, September 8 (8:30 a.m. – 5 p.m.)

HECGeoRAS Tutorial

Hands on exercise; discussion

Closing/Wrap-up