

# Dam Breach Analysis Using HEC-RAS 3-Day Course Outline

Presented by:



WEST Consultants, Inc.

## Day 1

Event	Time
Introductions and Administration	8:00 AM - 8:30 AM
<b>Lecture:</b> Introduction to Dam Breach Modeling	8:30 AM - 9:45 AM
Break	9:45 AM - 10:00 AM
<b>Lecture:</b> HEC-RAS Unsteady Flow Review	10:00 AM - 11:15 AM
<b>Workshop and Review:</b> Review of Unsteady Flow Modeling	11:15 AM - 12:00 AM
Lunch	12:00 AM - 1:00 PM
<b>Workshop and Review:</b> Review of Unsteady Flow Modeling (Continued)	1:00 PM - 2:15 PM
<b>Lecture:</b> Level Pool versus Dynamic Routing	2:15 PM - 3:15 PM
Break	3:15 PM - 3:30 PM
<b>Lecture:</b> Setting up a RAS Dam Breach Model	3:30 PM - 5:00 PM

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## Day 2

Event	Time
<b>Workshop and Review:</b> Adding an Inline Weir and Breach	8:00 AM - 10:00 AM
Break	10:00 AM - 10:15 AM
<b>Lecture:</b> Diagnosing a RAS Dam Breach Model	10:15 AM - 11:15 AM
<b>Workshop and Review:</b> Diagnosing a RAS Dam Breach Model	11:15 AM - 11:30 PM
Lunch	11:30 PM - 12:30 PM
<b>Workshop and Review:</b> Diagnosing a RAS Dam Breach Model (Continued)	12:30 PM - 2:15 PM
Break	2:15 PM - 2:30 PM
<b>Lecture:</b> Fixing a RAS Dam Breach Model	2:30 PM - 3:30 PM
<b>Workshop and Review:</b> Fixing a RAS Dam Breach Model Part 1	3:30 PM - 5:00 PM

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## Day 3

Event	Time
<b>Workshop and Review:</b> Fixing a RAS Dam Breach Model Part 1 (Continued)	8:00 PM      9:00 PM
<b>Lecture:</b> Breach Parameters	9:00 PM - 10:00 PM
Break	10:00 AM - 10:15 AM
<b>Lecture:</b> Calibration of Dam Breach Models	10:15 AM - 11:15 AM
<b>Workshop and Review:</b> Fixing a RAS Dam Breach Model Part 2	11:15 AM - 11:30 AM
Lunch	11:30 AM - 12:30 PM
<b>Workshop and Review:</b> Fixing a RAS Dam Breach Model Part 2 (Continued)	12:30 PM - 2:45 PM
Break	2:45 PM - 3:00 PM
<b>Lecture:</b> Case Studies/Student Projects/Demos	3:00 PM - 4:00 PM
Summary and Closure	4:00 PM - 4:30 PM