

RiverWare Training: Simulation and Rulebased Simulation Class

Draft Agenda October 23 - 27, 2023

All Times are MDT (Denver, Colorado)

(Sim. only in pink, Rules only blue) Monday October 23, 2023	
8:30 a.m.	Introductions
8:45 a.m.	Overview of RiverWare: presentation
10:00 a.m.	Chapter 1. Running and Viewing a Model: Demonstration and hands-on tutorial
12:00 p.m.	Lunch
1:00 p.m.	Chapter 2. Building a Model: Demonstration and hands-on tutorial and exercises.
3:00 p.m.	Chapter 3. Simulation - How It Works: presentation
4:30 p.m.	Chapter 2. Building a Model: Review Exercises
5:00 p.m.	Adjourn

Tuesday October 24, 2023	
8:30 a.m.	Chapter 4. Analyzing a Simulation Run (Part I): hands-on tutorial and exercises
10:00 a.m.	Chapter 5. Building and Using a System Control Table (SCT): Demonstration and hands-on tutorial
11:00 a.m.	Chapter 6. Analyzing a Simulation Run (Part II): hands-on tutorial
12:00 p.m.	Lunch
1:00 p.m.	Chapter 6. Analyzing a Simulation Run (Part II): hands-on tutorial: continued
2:00 p.m.	Chapter 7. Using Diagnostics to debug and understand the solution: demonstration and hands-on tutorial
3:00 p.m.	Chapter 8: Data Management Interfaces (DMI): presentation and hands-on tutorials
4:00 p.m.	Chapter 9: Output Management and Snapshots: hands-on tutorial
5:00 p.m.	Adjourn

Wednesday October 25, 2023		
8:30 a.m.	Chapter 10: Scripting: Presentation, demonstration, and hands-on tutorial	
9:30 a.m.	Chapter 11: Multiple Run Management (MRM): Presentation, demo, and hands-on tutorial	
10:30 a.m.	Simulation only, combined and rules only: Chapter 12: Introduction to Rulebased Simulation: presentation	
11:00 a.m.	Simulation only: Chapter 12: Introduction to rulebased simulation tutorial	Combined and Rules: Chapter 13: How Rule-based Simulation Works: presentation and exercises
12:00 p.m.	Simulation only: Evaluations and Wrap-up	Lunch
1:00 p.m.	Chapter 13: Review exercises answers	
1:30 p.m.	Chapter 14: Run and Analyze a Rulebased Simulation: Hands-on tutorial	
3:30 p.m.	Chapter 15: Building a Ruleset: Getting Started with RPL: Presentation and hands-on tutorial	
4:30 p.m.	Chapter 16: The Pieces of RPL: Presentation	
5:00 p.m.	Adjourn	

Thursday October 26, 2023	
<i>8:30 a.m.</i>	Chapter 16: Using RPL to Build Rules: Hands-on tutorial
<i>11:00 a.m.</i>	Chapter 16: Review exercise answers
<i>11:30 a.m.</i>	Chapter 17: Creating Basin Policy: Introduction to the exercise
<i>12:00 p.m.</i>	Lunch
<i>1:00 p.m.</i>	Chapter 17: Creating Basin Policy: Presentation and exercise
<i>5:00 p.m.</i>	Adjourn

Friday October 27, 2023	
<i>8:30 a.m.</i>	Chapter 18: Error Messages, Diagnostics and Debugging: Presentation and Demo
<i>9:30 a.m.</i>	Chapter 17: Creating Basin Policy: hands-on exercise implementing the ruleset
<i>11:00 a.m.</i>	Chapter 18: Error Messages, Diagnostics and Debugging: Hands-on tutorial and debugging exercises
<i>12:00 p.m.</i>	Lunch
<i>1:00 p.m.</i>	Chapter 18: Continued--- Hands-on tutorial and debugging exercises
<i>3:00 p.m.</i>	Chapter 19: Documentation and Model Reports: Hands-on tutorial
	Chapter 20: Advanced Rules and RPL Topics: Hands-on tutorial
<i>5:00 p.m.</i>	Adjourn

Morning and afternoon breaks will be scheduled by the instructor.