

# 401 Advanced Discrete Event Simulation using Metastorm ProVision® 6.1



## Course Syllabus

<b>Important Facts:</b>	1 days  35% Lecture/Demonstration  65% Hands-on Exercises/Questions
<b>Target Audience:</b>	Business Analysts responsible for developing a future model of the business process and quantifying improvements using the Metastorm ProVision Discrete Event Simulator.
<b>Class Objectives:</b>	After completion of this one-day class, the student will be able to apply advanced techniques to more accurately and effectively simulate Workflow Models using the Metastorm ProVision Discrete Event Simulator. Specific outcomes include the ability to: <ul style="list-style-type: none"><li>• Articulate the simulation lifecycle</li><li>• Determine the proper sample size for a simulation</li><li>• Choose the correct amount of warm up time</li><li>• Customize resource availability</li><li>• Create correct simulation input</li><li>• Establish accurate activity cost and time</li><li>• Determine the need for simulation patterns</li><li>• Select correct pattern from pattern library</li><li>• Integrate patterns into existing models</li><li>• Utilize event-based reporting</li></ul>
<b>Prerequisites:</b>	This is an advanced level course, so successful completion of Metastorm's 205 Discrete Event Simulation class is a prerequisite.
<b>Topic Outline:</b>	<b>Day 1</b> <ul style="list-style-type: none"><li>▪ Introduction</li><li>▪ Simulation Setup<ul style="list-style-type: none"><li>○ Case Study Exercise</li></ul></li><li>▪ Distributions, Sources &amp; Empirical Streams<ul style="list-style-type: none"><li>○ Case Study Exercise</li></ul></li><li>▪ Simulating Activities<ul style="list-style-type: none"><li>○ Case Study Exercise</li></ul></li><li>▪ Activity States and Simulation Patterns<ul style="list-style-type: none"><li>○ Case Study Exercise</li></ul></li><li>▪ Enhanced Reporting Preview</li></ul>

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