



Fundamental and Advanced ExtendSimSim™

Putting simulation into practice

Description

This 5-day expanded course provides you with a solid groundwork in the principles of simulation with ExtendSim 7 and then sharpens your simulation skills by putting them to use in practical and realistic modeling situations. In this course you not only learn to use the most popular and affordable simulation software available but you also gain the proficiency necessary for designing and building real-life models.

The first 3 days of this class covers all the topics from our Fundamentals of Simulation Using ExtendSim course. You will build models in stepped exercises from the ground up, concentrating all the while on good modeling techniques. In building the class examples, you will gain a broad exposure to blocks from the Item, Value, Plotter, Animation 2D-3D, and Utilities libraries. In the last 2 days you will learn to use advanced features of ExtendSim and discover how to leverage the powerful data managing tools included with the software. Using a case study approach, you will complete a simulation project from start to finish. This class concentrates heavily on showing you how to use data efficiently in your models. You will learn valuable techniques for debugging, validating data, capturing model output, experimenting with the model, and analyzing data appropriately.

While building the case study model, you will encounter classic issues common to simulation projects.

*A must-take course for
anyone who wants to build
appropriately simple models
for complex problems*

Fee

\$2500. Includes instructor led course, manual, reference cards, solution disks, and computer rental. Group rates available. *We can bring this course to you!* Contact us for on-site or custom training options.

Topics

- Understanding time and flows in both continuous and discrete event modeling environments.
- Understanding the ExtendSim 7 block approach for model-building.
- Using the Value library to build continuous models.
- Using the Item library to build discrete event models of general business and manufacturing operations.
- Using Value blocks in discrete event models.
- Learning how sensible and navigable models and templates are structured through the features of hierarchy, cloning, animation, graphic design, customization, and custom blocks.
- Modeling items, queues, delays, breakdowns, resources, controllers, blocking/starving, balking, scheduling, routing, line balancing, and batching.
- Managing data.
- Animating a model including 3D animation
- Designing conceptual models.
- Implementing the conceptual model in ExtendSim.
- Validating and debugging.
- Designing scenarios for experimentation.
- Learning techniques for easy experimentation.
- Understanding and using random seeds.
- Using ExtendSim's statistics capabilities.
- Using optimization.

For more information contact:

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