extendsim.

Accelerate your success by mastering the art of building and analyzing simulation models with ExtendSim. This course covers the fundamentals of discrete event simulation and provides a comprehensive understanding of the ExtendSim architecture. By the end of the course, you'll confidently create ExtendSim models and leverage this powerful tool for in-depth model analysis.

Our Online Essential ExtendSim Training course includes nine sessions, each lasting 1.5 to 2 hours, spread over 2+ weeks. Sessions are held Monday through Thursday, with the final session on the third Monday dedicated to reviewing key concepts and addressing any remaining questions. Each session begins at 3pm EDT/8pm CET.

Homework assignments will be provided most days to help attendees practice the concepts covered in class. Additionally, a couple of case studies will be assigned each week for completion outside of class. Students should plan to spend 1 to 2 hours daily on homework to fully grasp the material.

week 1 agenda

Session 1: Monday
- Introduction to the Course, Simulation, and ExtendSim

Homework
- *Case Study: ACME Electronics (suggested completion day: week 1, session 4)*

Session 2: Tuesday
- Chapter 1: Modeling Basics

Session 3: Wednesday
- Chapter 2: Item Properties

Session 4: Thursday
- ACME Elecronics Review
- Chapter 3: Routing
- Chapter 4: Gating

Homework
- *Case Study: Family Medical Clinic (suggested completion day: week 2, session 5)*

week 2 agenda

Session 5: Monday
- Family Medical Clinic Review
- Chapter 5: Batching

Homework
- *Case Study: Ice Cream Shop (suggested completion day: week 2, session 8)*

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week 2 agenda -- continued

Session 6: Tuesday
- Chapter 6: Resources
- Chapter 7: Shifts

Session 7: Wednesday
- Chapter 8: ExtendSim Database

Session 8: Thursday
- Ice Cream Shop Review
- Chapter 9: Hierarchical Blocks & Presentation

Homework
- *Case Study: The Quick Stop* (suggested completion day: week 3, session 9)

week 3 agenda

Session 9: Monday
- Quick Stop Review
- Simulation Project Review

Homework
- *Case Study: Happy Healthcare*

Optional One-on-One Post-Course Session
- Case Study Follow-Up

prerequisites and prepping for the course

Be sure you have a Model Developer Edition of ExtendSim Pro installed on your computer. If you have not yet purchased and activated ExtendSim, you may use the Trial version. Just be careful not to begin your Trial period with the software any earlier than the week before the online course begins as you only have 30 days in your Trial period.

Before your first day of class, it will be extremely helpful if you familiarize yourself with ExtendSim. If you have not already done so, please go through the Tutorials in the Discrete Event Quick Start Guide or watch its video.

course materials to be mailed to each attendee prior to the course

- Course manual with case studies.
- Solution files for all course-based case studies and exercises.

after the course

- You'll receive a Certificate of Completion.
- Book of additional case studies with solutions for post-course practice.
- Plus, if you have a few more questions within the first year after completing this course, you qualify for a free online coaching session from your trainer.