Essential ExtendSim Online
Training Agenda
August 14 to 28, 2023

Put yourself on a faster track to success by learning how to build and analyze simulation models using ExtendSim in this 2+ week online course. This course covers the same content as the 4-day In-Person Essentials course, but in an online instructor-led class through GoToMeeting™. You'll learn the basics of discrete event simulation plus get an essential understanding of the ExtendSim architecture.

The online course consists of nine 1.5 to 2 hour sessions over the course of 2+ weeks plus an optional one-on-one post-course session. Class begins at 3pm EDT/UTC-4 Mondays, Tuesdays, Wednesdays, and Thursdays throughout the 2 week training course. The ninth session, held on the third Monday, will review concepts covered in the course and answer any remaining questions.

Homework assignments will be given on most days so attendees can practice concepts covered in class, plus a couple of case studies will be assigned each week to be completed outside of class time. It will be expected that each student plan to spend 1 to 2 hours outside of class each day completing assigned homework to fully comprehend 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.