

# Learn to Create Models of Dynamic Systems

ONLINE PROFESSIONAL DEVELOPMENT OPPORTUNITIES

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*If you are interested in teaching your students to build simulation models of dynamic feedback systems please read on.*

Three online courses will be offered this summer **starting June 10, 2019** and lasting ten weeks. The courses are asynchronous, have many instructional videos, and contain many lessons and models for you and your students. The modeling method uses the stock/flow design of System Dynamics (SD).

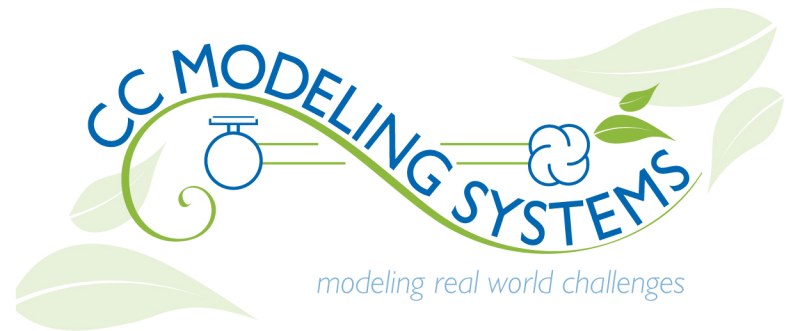
Three (3) Continuing Education Graduate Credits are available for **Course 1**, Four (4) credits for **Course 2**, and 5 credits for **Course 3** from Seattle Pacific University. The online 3-course sequence offers a gentle introduction to the modeling of complex systems. Prerequisite skills and more course details are **available on our website** (<https://ccmodelingsystems.com/courses>)

## The Three Courses

- 1st Course in System Dynamics Modeling: Basic Models
- 2nd Course in System Dynamics Modeling: More Advanced Models
- 3rd Course in System Dynamics Modeling: Building Models from the News



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## Course 1: Basic Models

This is a course for instructors who have no background in System Dynamics (SD). It is intended as a transition course to help participants learn how to use the Stella software to build SD models with consistent units and identify feedback.

## Course 2: More Advanced Models

This course helps participants design models containing non-linear dynamics. It builds the foundation for modeling complex systems.

## Course 3: Building Original Models from the News

This course helps participants design original models from a description of a dynamic problem that is presented in the news (or other source).

## Course Details

Each course consists of 10 sessions and will be capped at 15 participants.

**Logistics:** Please see [ccmodelingsystems.com](https://ccmodelingsystems.com) website.

**Cost:** The cost for the course is \$575 without credit. The cost of continuing education credits is an additional \$55/credit through Seattle Pacific University.

**Software:** The free, web-based version of Stella modeling software can be used with your students to allow them to build most of the models from Course 1 and some of the models from Course 2.

<sup>1</sup> Winner of the Lifetime Achievement Award bestowed by the System Dynamics Society, Presidential Award for Excellence in Teaching, Intel Innovation in Teaching Award (First place). Director of two NSF grants. Author of five books. Modeler. Teacher.