

2013 Winter and Spring Training Courses

Advance your skills and learn to speed up your simulation work by attending a COMSOL training course. Experience multiphysics modeling through a combination of hands-on activities and traditional lecture taught by our team of expert instructors.

COMSOL Multiphysics Intensive Training ^{2 DAYS}

An intensive introduction to the workflow and key features of COMSOL Multiphysics via a combination of guided hands-on examples, lecture, and tutorials.

ELECTRICAL

AC/DC Modeling

Learn to use the AC/DC Module for modeling steady-state, transient, and low frequency electromagnetic phenomena relevant for modeling of resistors, capacitors, inductors and coils, motors, magnets, and electromagnetic heating.

RF, Microwaves & Photonics

This course teaches the use of the RF Module for modeling of antennas, resonant cavity structures, waveguide and transmission lines, scattering problems, periodic gratings, and electromagnetic heating.

MECHANICAL

Acoustics & Vibrations Analysis

The Acoustics Module will be used for modeling the coupling of structural vibrations to the sound pressure field in fluids. Hands-on examples include: piezoelectric transducers, loudspeakers, mufflers, and SAW devices.

Heat Transfer

This course introduces you to the simulation of heat transfer by conduction, convection and radiation using COMSOL Multiphysics. In addition to hands-on practices in modeling of heat transmission, heating and cooling systems, you will also learn how heat transfer frequently links to other physical effects in multiphysics simulations.

Structural Mechanics

Gain knowledge of all aspects of structural mechanics modeling: linear elasticity, geometric and material non-linearities, static, transient, frequency-response, and eigenfrequency analysis, buckling analysis, anisotropic, hyperelastic, and piezoelectric material models.

FLUID

CFD

Discover how to simulate fluid flow with COMSOL Multiphysics and the CFD Module. Topics include: laminar flow, turbulent flow, non-Newtonian flow, multiphase flow and non-isothermal flow.

CHEMICAL

Chemical Reaction Engineering

Learn how to build system-level reaction kinetics models together with process models that include effects of species and energy transport using the Chemical Reaction Engineering Module through a combination of lecture and guided hands-on exercises.

Corrosion

This course addresses the Corrosion Module and how it is used for modeling of corrosion processes. Effect of part shape, ohmic, activation, and mass transport resistance are also covered.

Electrodeposition

Discover how to use the Electrodeposition Module for modeling the composition and shape of electrodeposits. Impacts of cell geometry, electrolyte and electrode kinetics, and mass transport are considered.

For an always up-to-date training calendar, visit www.comsol.com/course

Dates and Locations

BEAVERTON, OR

COMSOL Multiphysics Intensive Training 2 DAYS Jun 18-19

BURLINGTON, MA

COMSOL Multiphysics Intensive Training 2 DAYS Feb 5-6

Chemical Reaction Engineering Feb 7

Heat Transfer Feb 8

COMSOL Multiphysics Intensive Training 2 DAYS Mar 5-6

Electrodeposition Mar 7

Corrosion Mar 8

COMSOL Multiphysics Intensive Training 2 DAYS Apr 9-10

AC/DC Modeling Apr 11

RF, Microwaves and Photonics Apr 12

COMSOL Multiphysics Intensive Training 2 DAYS May 14-15

Acoustics and Vibrations Analysis May 16

Structural Mechanics May 17

COMSOL Multiphysics Intensive Training 2 DAYS Jun 11-12

CFD Jun 13

Heat Transfer Jun 14

CALGARY, AB

COMSOL Multiphysics Intensive Training 2 DAYS May 1-2

CHICAGO, IL

COMSOL Multiphysics Intensive Training 2 DAYS Apr 16-17

DENVER, CO

COMSOL Multiphysics Intensive Training 2 DAYS Feb 5-6

HOUSTON, TX

COMSOL Multiphysics Intensive Training 2 DAYS Feb 26-27

COMSOL Multiphysics Intensive Training 2 DAYS May 7-8

Structural Mechanics May 9

LOS ANGELES, CA

COMSOL Multiphysics Intensive Training 2 DAYS Jan 22-23

Structural Mechanics Jan 24

COMSOL Multiphysics Intensive Training 2 DAYS Apr 23-24

RF, Microwaves and Photonics Apr 25

NEW YORK, NY

COMSOL Multiphysics Intensive Training 2 DAYS Mar 19-20

Sign up today at www.comsol.com/course

PHOENIX, AZ

COMSOL Multiphysics Intensive Training 2 DAYS
AC/DC Modeling

Mar 19-20
Mar 21

SALT LAKE CITY, UT

COMSOL Multiphysics Intensive Training 2 DAYS

Apr 16-17

SAN JOSE, CA

COMSOL Multiphysics Intensive Training 2 DAYS
COMSOL Multiphysics Intensive Training 2 DAYS
CFD
Heat Transfer

Feb 12-13
May 14-15
May 16
May 17

SEATTLE, WA

COMSOL Multiphysics Intensive Training 2 DAYS

Mar 12-13

TORONTO, ON

COMSOL Multiphysics Intensive Training 2 DAYS

May 21-22

WASHINGTON, DC

COMSOL Multiphysics Intensive Training 2 DAYS

Feb 12-13

Course Information

Courses are full day events. All training material and lunches are included.

Pricing

One day course - \$695.00
Two day course - \$1,295.00

*Academic pricing is available.

Registration

www.comsol.com/course

Contact Information

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