

## A. Instructor Led Training Calendar:

Continuous training is vital to reaching and maintaining high productivity in any subject. Altair's training offers users continuous learning whether they are new to the software or are experienced users needing training on a specific topic.

We all learn differently, and no single format fits all learning needs. Therefore, we offer different learning content and methods for your convenience:

- Convenient, unlimited 24/7 access to **eLearning**
- **Videos with example files** to follow along with>
- A worldwide schedule of **live training** sessions>
- Direct access to our **support forums**

An Altair training membership provides users with access to additional training options.

<https://learn.altair.com/>

Check the Latest updated list of courses available online. > Register to attend.

Registration is separate for (This means: Same Login credential is not applicable to below sites – You need to have separate registration)

- 1) <https://learn.altair.com/>
- 2) <https://certification.altairuniversity.com/>
- 3) <https://academy.rapidminer.com/pages/certification>

## B. Learning Courses:

<https://certification.altairuniversity.com/course/index.php?categoryid=42>

### Learn CAE Fundamentals

- Learn Mechanics of Solids Fundamentals
- Learn Theory of Finite Elements Fundamentals
- Learn FEA Model Verification

### Learn Conceptual Design, 3D Design and Rendering

- Learn Conceptual Design with Inspire
  - Learn Additive Manufacturing with Inspire Print3D 2020
  - Learn Conceptual Design with Inspire 2019
  - Practice Exercises for Learn Conceptual Design with Inspire 2019
  - Quick Learning: Inspire 2019

### Learn 3D Design and Rendering with Inspire Studio

- Quick Learning: Inspire Studio
- Learn how to design a hair dryer with Inspire Studio

### Learn Modeling and Visualisation

- Learn Pre Processing with HyperMesh
  - Learn Pre Processing with HyperMesh 2017
  - Learn Pre Processing with HyperMesh 2019 - Part 1
  - Learn Pre Processing with HyperMesh 2019 - Part 2
  - Quick Learning: HyperMesh 2019
  - Learn Pre Processing with HyperWorks 2019.1 X

### Learn Post Processing with HyperView and HyperGraph

- Learn Post Processing with HyperView 2017
- Learn Post Processing with HyperView and HyperGraph 2019
- Quick Learning: HyperView & HyperGraph 2019

### Learn FEA process with HyperWorks

### Learn basics of SimLab

- Learn basics of SimLab
- Quick Learning: SimLab sT 2019

### Learn Analysis

- Learn Simulation with SimSolid
  - Learn Basics of Simulation with SimSolid
  - Learn Advanced Simulation Techniques with SimSolid
  - Quick Learning: SimSolid 2019.5

### Learn Linear Analysis with OptiStruct

- Learn Linear Dynamics with OptiStruct

- Learn Composite Analysis with OptiStruct
- Learn Nonlinear Analysis with OptiStruct
- Learn Fatigue Analysis with OptiStruct
- Learn Thermal Analysis with OptiStruct
- Learn Explicit Analysis with Radioss
- Learn MBS with MotionView and MotionSolve

#### Learn Optimization

- Learn Optimization Fundamentals with OptiStruct
- Learn Topology Optimization with OptiStruct
- Learn Topography Optimization with OptiStruct
- Learn Size and Free Size Optimization with OptiStruct
- Learn Shape and Free Shape Optimization with OptiStruct
- Learn Composite Optimization with OptiStruct
- Learn Lattice and Multi Model Optimization with OptiStruct

#### Learn Manufacturing Simulation

- Learn Inspire Form Introduction Course (One Step)
- Learn Inspire Form Introduction Course (Incremental)
- Learn Casting and Solidification with Altair Inspire Cast 2019
- Quick Learning: Inspire Cast 2019
- Quick Learning: Inspire Form 2019

#### Learn Electromagnetic Analysis

- Learn Electromagnetic Analysis with Feko
  - Learn Electromagnetic Analysis with Feko 2020
  - Learn Antenna Design in FEKO
  - Learn Solver Selection in FEKO

- Learn Electronic Design Automation with PolEx
- Learn Electromagnetics and Motor Design with Flux

#### Learn Model Based Development

- Learn Math, Scripting, and Data Analysis with Altair Compose
  - Learn Signal Processing in Altair Compose
  - Learn NVH in Altair Compose
  - Learn Math, Scripting, Data Analysis & Visualization with Altair Compose
  - Learn Advanced Exercises for Math, Scripting, Data Analysis & Visualization with

Altair Compose

- Learn the Visual Environment for Embedded Systems with Altair Embed
  - Learn Hydraulic Simulation using Activate
  - Learn Systems Simulation and Controls Using Activate
  - Learn Basics of System Modeling and Control Systems with Altair Activate

Learn Design Exploration, Study and Optimization with HyperStudy

Learn Design of Experiments (DOE) with HyperStudy

Learn IoT

Learn IoT Basics with SmartWorks

Learn Discrete Element Method (EDEM)

Learn Bulk and Granular Material Simulation with EDEM

Learn Coupling EDEM with MotionSolve

Learn about the EDEM Add-In for ANSYS Workbench

Learn Coupling EDEM with Recurdyn

Learn Coupling EDEM with Abaqus CAE

Learn Coupling EDEM with Adams

Learn Coupling EDEM with ANSYS Fluent

Learn Data Analytics with Knowledgeworks

Learn Basics of Knowledge Hub

Learn Monarch Data Prep

Learn Monarch Overview

Learn Knowledge Studio for Apache Spark

Learn Knowledge Studio Advanced Modeling

Learn Basics of Knowledge Studio

Learn CFD

Learn CFD with Altair AcuSolve and Altair SimLab

## C. Certification Courses:

<https://certification.altairuniversity.com/course/index.php?categoryid=38>

### Conceptual Design Examinations

solidThinking Inspire 2019 Advanced Examination

### Modeling and Visualisation Examinations

Pre Processing with HyperWorks 2019.1 X Examination

HyperMesh 2019 Intermediate Examination

HyperView & HyperGraph 2019 Intermediate Examination

SimLab Fundamental Examination

HyperMesh 2017 Intermediate Examination

HyperView & HyperGraph 2017 Intermediate Examination

### Analyses Examinations

CFD with Altair AcuSolve and Altair SimLab Basic Examination

SimSolid Advanced Examination

Linear Static and Frequency Analysis with OptiStruct Fundamental Examination

Non Linear Analysis with OptiStruct Advanced Examination

Fatigue Analysis with OptiStruct Intermediate Examination

Thermal Analysis with OptiStruct Intermediate Examination

FEA with HyperWorks 13.0 Intermediate Examination

Explicit FEA with RADIOSS Intermediate Examination

### Optimization Examinations

OptiStruct for Topology Optimization Fundamental Examination

OptiStruct for Shape and Free Shape Optimization Fundamental Examination

OptiStruct for Topography Optimization Fundamental Examination

OptiStruct for Size and Free Size Optimization Fundamental Examination

Lattice and Multi Model Optimization Intermediate Examination

### Manufacturing Simulation Examinations

solidThinking InspireCast 2019 Advanced Examination

### Electromagnetic Simulation Examinations

Feko 2020 for Electromagnetic Simulation Fundamental Examination

Feko 2020 Solver Selection Intermediate Examination

FEKO 2018 for Electromagnetic Simulation Fundamental Examination

FEKO 2018 Solver Selection Intermediate Examination

Flux 2019 Intermediate Examination

### DOE Examinations

HyperStudy Intermediate Examination

### IoT Examinations

IoT with SmartWorks Fundamental Examination

Discrete Element Method (EDEM) Examinations

EDEM for Bulk and Granular Material Simulation Fundamental Examination

Model Based Development Examinations

Math, Scripting, Data Analysis & Visualization with Altair Compose Intermediate Examination

Data Analytics Examinations

Data Modeling with Knowledge Studio Intermediate Examination

## **D. Altair RapidMiner - A Platform for Data science AI and ML**

Certification Courses: From Altair RapidMiner Academy

<https://academy.rapidminer.com/pages/certification>

### Certification Exams

- Applications & Use Cases Professional Certification

- Applications & Use Cases Master Certification

- Data Engineering Professional Certification

- Data Engineering Master Certification

- Machine Learning Professional Certification

- Machine Learning Master Certification

- Platform Administration Master Certification

- Data Science Solutions Master Certification

### Courses for Exam Preparation

- Applications & Use Cases Professional

- Applications & Use Cases Master

- Data Engineering Professional

- Data Engineering Master

- Machine Learning Professional

- Machine Learning Master

- Platform Administration Master