

HalfMoon Education Live Continuing Education Webinars

CAD Autodesk Drafting and 3D Modeling Design for Engineers

Online - Thursday, November 10, 2022 | 9:00 am - 4:30 pm CST

Credits:

Professional Engineers: 6.5 PDHs

*This webinar is not approved in New York and other states
which require HSW coursework.

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Webinar Agenda | Thursday, November 10, 2022 | 9:00 am - 4:30 pm CST (including a 30-min. break)

New Working Project; Planes in Space; Sketch Creation

Description projects, creation, and placement,
description of the Workspace sections
Working planes description, setting, and management
Sketch definition, dimensional, and geometric constrains,
fully constrained sketch

Disk Part: Circles, Extrusion, Sketch Dimensioning, Dimensional Constrains

Sketch creation, constraints application
(dimensional, and geometric)
Creation, and saving parts
Extrusion feature, in customary system and SI
(Système international)
Creation of the disk part
Parts' edition, and modification

Flange Part: Circles, Revolve, Adding Primitives on the Ribbon, Cut Feature

Revolving feature
Creation of the flange part
Adding primitives on the ribbon

Geometric Constrains, Fillet Practice and Q&A, Review Course Material

Cut feature
Geometric constrains, fillet practice

Reviewing Concepts and Answering Questions

Q&A, review course material

Exploring Materials and Physical Properties

Materials, and appearances (Autodesk material library,
and inventor material library)
iProperties
Exploring materials and physical properties

New Shaft Creation; Use Primitive Feature, Removing Material

New shaft creation; use primitive feature, removing material

New Key Creation; Use Primitive Feature, Draft Feature

New key creation; use primitive feature, draft feature
Practice and Q&A, certificates and consulting session

Presented by

Juan C. Correa, PE

Engineering Director, EngVentions Engineering

As EngVentions Engineering Solutions founder and CEO, with 25 Years in Engineering and Operations, his responsibilities have included Director of Engineering, 3D modeling software specialist and instructor. Mr. Correa graduated as a Petroleum Engineer from Universidad de America at Bogota DC. After graduation, he started his career by working in the oil industry as a mechanical technician for oil and gas drilling operations, gained positions as top drive specialist, drilling tools representative, and drilling bits, and drilling tools design engineer. He has worked in drilling operations for M-I SWACO Drilling Fluids, Canrig Drilling Technology, Tri-Max Industries, Baker Hughes (BHGE), and ReedHycalog (NOV). At EngVentions Engineering, he has designed jet pumps, production plungers, and drilling stabilizers. Recently he created and developed an expandable drilling bit for oil and gas drilling applications. Mr. Correa holds a patent under his name over an expandable drilling bit. Under Mr. Correa's direction, EngVentions Educational Services has designed a series of short courses of 3D modeling, using Autodesk® AutoCAD® and Autodesk® Inventor® platforms to deliver instruction to the U.S. industrial community. His expertise provides CAD expertise, engineering design, calculations, patents, and new tools developments.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers in all states that allow non-HSW coursework.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130).

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Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

Tuition

\$319 for individual registration

\$289 for two or more registrants from the
same company at the same time.

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