STANFORD IT LEARNING
The Training Division of **cim** Technologies, Inc.

AUTODESK.
Authorized Training Center
Authorized Certification Center

AutoCAD 2017 Fundamentals

TRAINING DURATION
Number of Hours: 32
Number of Days: 4

ABOUT THE COURSE
The course covers the essential core topics for working with the AutoCAD software. The teaching strategy is to start with a few basic tools that enable the student to create and edit a simple drawing, and then continue to develop those tools. The course also continues with more sophisticated techniques that extend your mastery of the program.
The objective of AutoCAD/AutoCAD LT 2017 Fundamentals is to enable students to create a basic 2D drawing in the AutoCAD software. Even at this fundamental level, the AutoCAD software is one of the most sophisticated computer applications that you are likely to encounter.

WHO SHOULD ATTEND
The AutoCAD®/AutoCAD LT® 2017 Fundamentals training guide is designed for those using AutoCAD® or AutoCAD LT® 2017 with a Windows operating system.

PREREQUISITES
A working knowledge of basic design/drafting procedures and terminology.
A working knowledge on how a computer works, such as its operating system and applications.

NOTES
The indicated course length is a guideline. Topics and duration may be modified by the instructor based upon the knowledge and skill level of the participants.

TOPICS
Getting Started with AutoCAD
Starting the Software
User Interface
Working with Commands
Cartesian Workspace
Opening an Existing Drawing File
Viewing your Drawing
Saving your Work

Basic Drawing and Editing Commands
Drawing Lines
Erasing Objects
Drawing Lines with Polar Tracking
Drawing Rectangles
Drawing Circles
Undo & Redo Actions

Projects: Creating a Simple Drawing
Create a Simple Drawing
Create Simple Shapes

Drawing Precision in AutoCAD
Using Running Object Snaps
Using Object Snap Overrides
Polar Tracking at Angles
Object Snap Tracking

Making Changes in Your Drawing
Selecting Objects for Editing
Moving Objects
Copying Objects
Rotating Objects
Scaling Objects
Mirroring Objects
Editing with Grips

Organizing Your Drawing with Layers
Creating New Drawings with Templates
What are Layers?
Layer States
Changing an Object's Layer

Advanced Object Types
Drawing Arcs
Drawing Polylines
Editing Polylines
Drawing Polygons
Drawing Ellipses

Analyzing Model and Object Properties
Working with Object Properties
Measuring Objects

Advanced Editing Commands
Trimming and Extending Objects
Stretching Objects
Creating Fillets and Chamfers
Offsetting Objects
Creating Arrays of Objects

Inserting Blocks
What are Blocks?
Working with Dynamic Blocks
Inserting Blocks
Inserting Blocks using the Tool Palettes
Inserting Blocks using the Design Center

Setting Up a Layout
Printing Concepts
Working in Layouts
Creating Layouts
Creating Layout Viewports
Guidelines for Layouts

Printing Your Drawing
Printing Layouts
Print and Plot Settings

Text
Working with Annotations
Adding Text in a Drawing
Modifying Multiline Text
Formatting Multiline Text
Adding Notes with Leaders to Your Drawing
Creating Tables
Modifying Tables

Hatching
Hatching
Editing Hatches

Adding Dimensions
Dimensioning Concepts
Adding Linear Dimensions
Adding Radial and Angular Dimensions
Editing Dimensions

TALK TO US!
/stanforditlearning
/Stanford_ITL
/stanforditlearning

PAY ONLINE

CONTACT US
Website: www.stanford-it-learning.com
Landline: +63 (2) 752 2468 loc. 12 & 38
E-mail: mktg@stanford.cimtechnologies.com

STANFORD IT LEARNING
The Training Division of **cim** Technologies, Inc.

AUTODESK.
Authorized Training Center
Authorized Certification Center

Working Effectively with AutoCAD
Creating a Custom Workspace
Using the Keyboard Effectively
Object Creation, Selection and Visibility
Working in Multiple Drawings
Copying and Pasting Between Drawings
Using Grips Effectively
Additional Layer Tools

Accurate Positioning
Coordinate Entry
Locating Points with Tracking
Construction Lines
Placing Reference Points

Working with Blocks
Creating Blocks
Editing Blocks
Removing Unused Elements
Adding Blocks to Tool Palettes
Modifying Tool Properties in Tool Palettes

Creating Templates
Why Use Templates?
Controlling Units Display
Creating New Layers
Adding Standard Layouts to Templates
Saving Templates

Advanced Layouts
Creating and Using Named Views
Advanced Viewport Options
Layer Overrides in Viewports
Additional Annotative Scale Features

Annotation Styles
Creating Text Styles
Creating Dimension Styles
Creating Multileader Styles

External References
Attaching External References
Modifying External References
Xref Specific Information

WHY LEARN WITH STANFORD IT LEARNING?

✓ Stanford IT Learning is an Autodesk Authorized Training and Certification Center.
✓ Released manuals are licensed copy of training manuals from Ascent – an Autodesk Authorized Publisher.
✓ Trainings are conducted using the latest available software and hardware with a hands-on training methodology.
✓ After the training, students are entitled to an internationally-recognized Autodesk certificate, an Autodesk Official Training Manual, retake privilege within 6 months of training and e-mail or phone technical support.
✓ Students are also given an option to avail an additional Online Learning access for one year.
✓ Overflowing coffee, biscuits and water are provided for students.

TALK TO US!
f /stanforditlearning
/Stanford_ITL
/stanforditlearning

PAY ONLINE

CONTACT US
Website: www.stanford-it-learning.com
Landline: +63 (2) 752 2468 loc. 12 & 38
E-mail: mktg@stanford.cimtechnologies.com