

CADD ET0085

WEEK 2 – LESSON INSTRUCTIONS AUTOCAD 2020

Objectives:

To comprehend basic 2D-AutoCAD 2020 and draw efficiently Part 2.

Topics:

1. 2D AutoCAD **DRAW commands**: Polyline, Polygon, Ellipse, Hatch (2D-Solids)
2. 2D AutoCAD **MODIFY commands**: Change, Rotate, Scale, Stretch, Extend, Array, Break, Fillet, Chamfer
3. **Exercise 2**: Drawing Practice

Before continuing Lesson 2 on other DRAW & MODIFY Commands, Basic 8 settings & creating the 6 frequently used toolbars must be done as shown below:

Basic Settings in AutoCAD 2020 (8 Settings)

1. Read BB→ Learning Resources→ LAB:
 - i. [UNIT 1 \(Read completely & Practice & set all the 8 settings\)](#):
 - [Page 44 to 58](#)
 - It's important to complete all 8 settings before commencing on any AutoCAD drawings as it helps to complete drawing efficiently

Creating Frequently used Toolbars

1. Read BB→ Learning resources→LAB:
 - i. [UNIT 1A \(Read completely. Practice & create Frequently used toolbars using AutoCAD 2020\)](#) especially:
 - [Page 19 to 26](#) to learn how to insert frequently used toolbars efficiently. Complete this insertion of frequently toolbars in your Notebook. The frequently used toolbars will appear subsequently even when you logout and then login again later.
 - [Page 27](#) to learn how to save & open files
 - [Page 40 to 43](#) to learn keyboard shortcuts
 - All these methods helps to draw efficiently

2D AutoCAD DRAW Commands

1. Read BB→ Learning Resources→LAB:
 - i. [UNIT 2 \(Read & Practice Topic on DRAW Commands\)](#) especially:
 - ii. [Page 59 to 83](#) to learn & practice how to draw Polyline, Polygon, Ellipse, and Hatch (2D Solid).
 - iii. [Videos on Draw commands](#) are available as shown in the link [Introduction to AutoCAD 2020](#) at the beginning of Week 1 HBL lesson. Google or find in utube the AutoCAD 2020 DRAW commands for more information.

2D AutoCAD Modify Commands

1. Read BB→ Learning Resources→ LAB:
 - i. [UNIT 3](#) (Read & Practice Topic on MODIFY Commands) especially:
 - ii. [Page 84 to 104](#) to learn & practice how to modify using Change, Rotate, Scale, Stretch, Extend, Array, Break, Fillet, Chamfer
 - iii. [Videos on Modify commands](#) are available as shown in the link [Introduction to AutoCAD 2020](#) at the beginning of Week 1 HBL lesson. Google or find in utube the AutoCAD 2020 MODIFY commands for more information.

Exercise 2: Drawing Practice

1. Read Exercise 2 Guided Solutions and BB→ Learning Resources→ LAB→:
 - i. [UNIT 6](#) (Exercises for Practice using AutoCAD) especially:
 - [Page 135 to 136 \(Exercise 2\): Practice & Learn how to draw an object in Exercise 2](#)
 - [Ignore drawing the dimensions and text as it's not covered yet.](#)
 - [Save in File Name: ADMISSION NO- FULL NAME-EXERCISE 2 \(All capital letters\)](#)
[E.g. P2012345-TAN AH KOW-EXERCISE 2](#)
[Submission requirement in Week 3 or according to lecturer's instruction.](#)
[Submission through BB→GROUP→CLASS→GROUP DISCUSSION BOARD→Post submission in Thread= EXERCISE 2→File Name: P2012345-TAN AH KOW-EXERCISE 2](#)
 - [This Exercise 2 helps to re-enforced your comprehension of AutoCAD 2020 introduction, settings and application of Basic Draw & Modify commands.](#)

END OF WEEK 2 LESSON