

R2016 TEXT BOOK – LEARNING OBJECTIVES & TOPICAL OUTLINES

CHAPTER 1, INTRODUCTION TO AUTOCAD FEATURES

Learning Objectives

After completing this chapter, the student will be able to do the following:

- ✓ Define Computer-aided design and drafting
- ✓ Describe typical AutoCAD applications.
- ✓ Explain the value of planning your work and system management.
- ✓ Describe the purpose and importance of drawing standards
- ✓ Demonstrate how to start & exit AutoCAD.
- ✓ Recognize the AutoCAD interface and access AutoCAD commands.
- ✓ Use help resources.

TOPICAL OUTLINE

1. AutoCAD Applications
 - a. 2D Drawings
 - b. 3D Models
2. Before you Begin
 - a. Planning Your Work
 - b. Drawing Standards
 - c. Saving Your Work
 - d. Working Procedures Checklist
3. Starting AutoCAD
4. Exiting AutoCAD
5. The AutoCAD Interface - Interface Terminology
 - a. **Start Tab (NEW in 2016)**
 - b. Workspaces
 - c. Crosshairs & Cursor
 - d. Tooltips
 - e. Shortcut Menus
 - f. Controlling Windows
 - i. Floating and Docking
 - ii. Locking
 - g. Application Menu
 - i. Using the Buttons & Menus
 - ii. Searching for Commands
 - h. Quick Access Toolbar (restore menu bar)
 - i. Ribbon (per workspace)
 - i. Ribbon Panels
 - ii. Basic Adjustment
 - j. Palettes
 - k. Status Bars **(Pg. 17) – (NEW IN 2015)**
 - l. Dialog Boxes (Diagram Pg. 18)
 - m. AutoCAD Options
6. Accessing Commands
 - a. Dynamic input
 - b. Command Line

- c. Input Search Tools (page 26) **ENHANCED IN 2015**
 - d. Keyboard Shortcuts
- 7. Getting Help (F1 while a command is active!)
 - a. InfoCenter