



# Using AutoCAD 2011

By Ralph Grabowski

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Thoroughly updated to AutoCAD 2011 this easy-to-understand essentials edition covers all aspects of AutoCAD fundamentals, from an introduction to computer hardware and AutoCAD software to learning to draw with objects, direct editing of objects, and plotting. Industry veteran Ralph Grabowski uses his step-by-step tutorials which speeds the process of learning the commands required for 2D drafting of single drawings. Using AutoCAD 2011 leads users quickly to proficiency utilizing the most current design capabilities of the software.

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### **Editorial Review**

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UNIT I -- SETTING UP DRAWINGS. 1. Quick Tour of AutoCAD 2011. 2. Understanding CAD Concepts. 3. Setting Up Drawings. UNIT II -- DRAFTING ESSENTIALS. 4. Drawing Basic Objects. 5. Drawing with Precision. 6. Drawing with Efficiency. UNIT III -- EDITING DRAWINGS. 7. Properties and Layers. 8. Constructing Objects. 9. Additional Editing Methods. UNIT IV -- TEXT AND DIMENSIONS. 10. Placing and Editing Text. 11. Placing Dimensions. 12. Editing Dimensions. 13. Applying Dimensional Constraints. 14. Using Geometric Constraints. 15. Reporting On Drawings. UNIT V -- 3D MODELING. 16. Introduction to 3D Solid Modeling. 17. Introduction to 3D Mesh Modeling. 18. Additional 3D Techniques. UNIT VII -- PLOTTING DRAWINGS. 19. Working with Layouts. 20. Plotting Drawings. UNIT IX -- APPENDICES. A. Autocad, Computers, and Windows. B. Autocad Commands, Aliases, and Keyboard Shortcuts. C. Autocad System Variables. D. Summary of Dimension Variables. E. Autocad Fonts, Linetypes, Hatch Patterns, Gradients & Lineweights. F. Designcenter, Tools Palette, Symbols & Dynamic Blocks. G. Autocad Template & Sample Drawings. H. Autodesk Resources. Index.

#### **About the Author**

Ralph Grabowski is editor of upFront.eZine, a weekly e-newsletter that reports on the business of computer-aided design. Writing about CAD since 1985, he is the author of more than 140 books and e-books on CAD, graphics, and the Internet, and he has successfully served as both author and compositor for his books for several years. His renowned WorldCAD Access industry blog is widely respected in the industry. Grabowski earned a B.A.Sc. degree in civil engineering at the University of British Columbia.

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