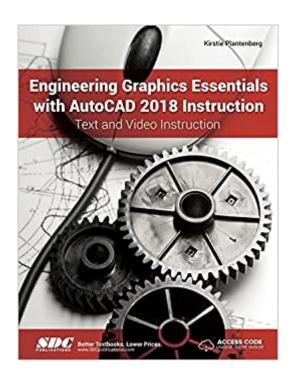


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# Engineering Graphics Essentials With AutoCAD 2018 Instruction





### **Synopsis**

Engineering Graphics Essentials with AutoCAD 2018 Instruction gives students a basic understanding of how to create and read engineering drawings by presenting principles in a logical and easy to understand manner. It covers the main topics of engineering graphics, including tolerancing and fasteners, while also teaching students the fundamentals of AutoCAD 2018. This book features independent learning material containing supplemental content to further reinforce these principles. Through its many different exercises this text is designed to encourage students to interact with the instructor during lectures, and it will give students a superior understanding of engineering graphics and AutoCAD. The independent learning material allows students to go through the topics of the book independently. The main content of the material contains pages that summarize the topics covered in the book. Each page has voice over content that simulates a lecture environment. There are also interactive examples that allow students to go through the instructor led and in-class student exercises found in the book on their own. Video examples are also included to supplement the learning process. Table of Contents 1. Introduction to Engineering Drawings 2. Drawing in AutoCAD 3. Orthographic Projection 4. Creating Orthographic Projections in AutoCAD 5. Pictorial Drawings 6. Creating Isometric Pictorials in AutoCAD 7. Dimensioning 8. Dimensioning in AutoCAD 9. Sectioning 10. Creating Section Views in AutoCAD 11. Advanced Drawing Techniques 12. Creating Advanced Drawings in AutoCAD 13. Tolerancing 14. Tolerancing in AutoCAD 15. Threads and Fasteners 16. Drawing Threads in AutoCAD 17. Assembly Drawings 18. Creating Assembly Drawings in AutoCAD Appendix A: Limits and Fits Appendix B: Threads and Fastener Tables Appendix C: References

# **Book Information**

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