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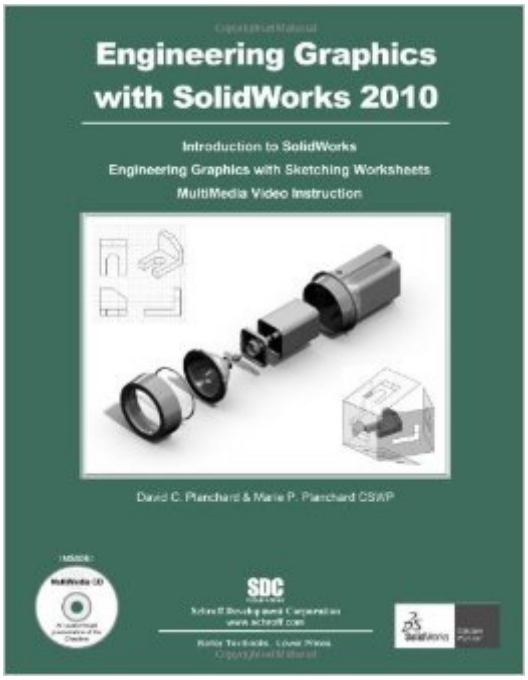
Engineering Graphics With SolidWorks 2010 And Multimedia CD



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Synopsis

Engineering Graphics with SolidWorks 2010 is written to assist a technical school, two year college, four year university instructor/student or industrial professional that is a beginner or intermediate SolidWorks user. The book combines the fundamentals of engineering graphics and dimensioning practices with a step-by-step project based approach to learning SolidWorks with an enclosed 1.5 hour multimedia CD. Learn by doing, not just reading! The book is divided into two parts: Engineering Graphics and SolidWorks 3D CAD Software. In chapter 1 through chapter 3, you explore the history of engineering graphics, manual sketching techniques, orthographic projection, isometric projection, multi-view drawings, dimensioning practices and the history of CAD leading to the development of SolidWorks. In chapter 4 through chapter 8, you apply engineering graphics fundamentals and learn the SolidWorks User Interface, Document and System properties, simple parts, simple and complex assemblies, design tables, configurations, multi-sheet, multi-view drawings, Bill of Materials, Revision tables, basic and advanced features. Follow the step-by-step instructions in over 70 activities to develop eight parts, four sub-assemblies, three drawings, and sex document properties. Formulate the skills to create and modify solid features to model a 3D FLASHLIGHT assembly. Chapter 9 provides a bonus section on the Certified SolidWorks Associate CSWA program with sample exam questions and initial and final SolidWorks Models. Passing the CSWA exam proves to employers that you have the necessary fundamental engineering graphics and SolidWorks competencies. Review individual features, commands, and tools for each project with the book's 1.5 hour multimedia CD and SolidWorks Help. The project exercises analyze and examine usage competencies based on the project objectives. The book is designed to compliment the SolidWorks Tutorials located in the SolidWorks Help menu. Each section explores the SolidWorks Online User's Guide to build you working knowledge of SolidWorks. Desired outcomes and usage competencies are listed for each project. Know you objectives up front. Follow the step-by-step procedures to achieve your design goals. work between multiple documents, features, commands, and properties that represent how engineers and designers utilize SolidWorks in industry. The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers, department managers, vendors, and manufacturers. These professionals are directly involved with SolidWorks every day. Their responsibilities go far beyond the creation of just a 3D model. Table of Contents Introduction 2. History of Engineering Graphics 3. Isometric Projection and Multi View Drawings 4. Dimensioning Practices 5. Introduction to SolidWorks Part Modeling 6. Revolved Features 7. Sweep, Loft and Additional Features 8. Assembly Modeling 9. Fundamentals of Drawing 10. Introduction to the Certified SolidWorks

Associate Exam Appendix Index

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Great book and shipping from , just a word of advice, some copies dont come with Solidworks Card with info for downloading 150 day student trial kit, a must if your instructor doesnt have the $$$$ software for you, just go to the SW website and download it with a student email .edu ending.

The book covers a main ideas of the programming tool. This is not the newest edition, but the book can serve as a good start point to the understanding of the SolidWorks.

If you are a beginner for any-edition Solidwork, please not buying this book until you are familiar through your graph class or youtube video. Beacause this book, following its steps to graph in Solidwork you will never be able to finish, alot setup they hide in the "Tips" of the end of each section. IF you are learning SW by yourself, please get away from this book.

Very good product good for beginners and as a tool for independent study of the software. Would recommend to anyone.

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