

Autocad 2015 And Autocad Lt 2015 Essentials Autodesk Official Press

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[AutoCAD 2015 and AutoCAD LT 2015 Bible](#) Ellen Finkelstein 2014-08-13 The perfect reference for all AutoCAD users AutoCAD 2015 and AutoCAD LT 2015 Bible is the book you want to have close at hand to answer those day-to-day questions about this industry-leading software. Author and Autodesk University instructor Ellen Finkelstein guides readers through AutoCAD 2015 and AutoCAD LT 2015 with clear, easy-to-understand instruction and hands-on tutorials that allow even total beginners to create a design on their very first day. Although simple and fundamental enough to be used by those new to CAD, the book is so comprehensive that even Autodesk power users will want to keep a copy on their desks. Here is what you'll find inside the book: Part I: Introducing AutoCAD and AutoCAD LT Basics Part II: Drawing in Two Dimensions Part III: Working with Data Part IV: Drawing in Three Dimensions Part V: Organizing and Managing Drawings Part VI: Customizing AutoCAD and AutoCAD LT Part VII: Programming AutoCAD Part VIII: Appendixes Appendix A: Installing and Configuring AutoCAD and AutoCAD LT Appendix B: AutoCAD and AutoCAD LT Resources In addition, the book also explores advanced techniques like programming with AutoLISP and VBA, and demonstrates AutoCAD 2015 customization that can smooth workflow. The companion website contains real-world drawings for each tutorial, plus bonus chapters and video tutorials. If you need to become an AutoCAD guru, AutoCAD 2015 and AutoCAD LT 2015 Bible is the one resource that will get you there quickly.

[AutoCAD 2018 and AutoCAD LT 2018 Essentials](#) Scott Onstott 2017-05-24 The step-by-step, full-color AutoCAD 2018 guide with real-world practicality AutoCAD 2018 and AutoCAD LT 2018 Essentials provides a full-color, task-based approach to mastering this powerful software. Straightforward, easy-to-follow instruction pairs with real-world, hands-on exercises to help you quickly get up to speed with core features and functions; screenshots illustrate tutorial steps to help you follow along, and each chapter concludes with a more open-ended project so you can dive in and explore a specific topic in-depth. From 2D drawing and organization to 3D modeling, dimensioning, presenting, and more, this helpful guide walks you through everything you need to know to become productive with AutoCAD 2018 and AutoCAD LT 2018. The companion website features downloadable starting and ending files for each exercise, so you can jump in at any point and compare your work to the pros, as well as additional tutorials to help you go as deep as you need to go. Exercises walk you through the real-world process of drafting while teaching you critical skills along the way. Understand the AutoCAD interface and foundational concepts Master essential drawing and visualization tools Stay organized with layers, groups, and blocks Experiment with 3D modeling, add text and dimensions, and much more AutoCAD is the industry-leading technical drawing software, and complete mastery is a vital skill for any design and drafting professional. AutoCAD 2018 and AutoCAD LT 2018 Essentials is a smart, quick resource that will help you get up to speed with real-world practical instruction. [AutoCAD 2017 and AutoCAD LT 2017](#) Scott Onstott 2016-04-20 Hands-on AutoCAD 2017 instruction for a real-world workflow AutoCAD 2017 and AutoCAD LT 2017 Essentials is the unique task-based tutorial designed for both students and the professional AutoCAD user. Concise, straightforward explanations and real-world, hands-on exercises provide an authoritative, easy-to-follow guide to the platform's core features and functions. Step-by-step tutorials are backed by full-color screenshots, and each chapter ends with an open-ended project to reinforce the chapter's lessons and provide a fully immersive learning experience. The companion website features downloadable before-and-after tutorial files, so you can jump in at any point and compare your work with the pros. This new edition has been fully updated to align with AutoCAD's newest features and capabilities, and features a more approachable, easy-to-read style based on instructor and reader feedback to help you get up to speed and quickly become productive with the software. AutoCAD is the leading design and drawing software, and an essential skill for designers, architects, and engineers. Whether you're new to the software, upgrading, or preparing for certification, this no-nonsense guide is your ideal resource for complete AutoCAD instruction. Master 2D drawing using splines, polylines, layers, and objects Add detail with hatching, gradients, text, and dimensions Convert your design into a 3D model for a walk-through tour Import, print, edit, and present your final design By following a real-world professional workflow throughout the learning process, you develop a highly relevant set of skills that easily transfer into real-world projects. This book walks you through the design of a house, emphasizing skills rather than tools to equip you with an array of solutions for any AutoCAD task. If you're serious about AutoCAD and ready to get down to work, AutoCAD 2017 and AutoCAD LT 2017 Essentials is the guide you need at your fingertips.

Mastering AutoCAD for Mac George Omura 2010-11-09 The Best Resource on the Market for Learning AutoCAD for Mac software! This comprehensive Autodesk Official Training Guide has everything you need to quickly become proficient with every aspect of Autodesk's new AutoCAD for Mac software. Award-winning author George Omura, whom most CAD designers know and respect from his all-time bestselling Mastering AutoCAD books, now applies his legendary AutoCAD expertise, approachable style, and thorough Mastering coverage to Mastering AutoCAD for Mac. You'll quickly and efficiently build skills, whether you're just beginning or are already a seasoned AutoCAD user. Teaches you to design and draft using AutoCAD for Mac Helps you quickly master basic, intermediate, and advanced skills Covers using hatches, fields, and tables effectively; manipulating dynamic blocks and attributes; rendering 3D views with lighting and materials; exploring parametric modeling; transforming 2D drawings into 3D renderings; and more Provides step-by-step instruction and exercises, as well as real-world examples and case studies Functions as both a detailed tutorial and also a one-stop, stand-alone reference Mastering AutoCAD for Mac is also an Autodesk Official Training Guide The world's best AutoCAD resources—George Omura and the Mastering AutoCAD series from Sybex—are now available to help you master AutoCAD for Mac.

Autodesk Revit Architecture 2015 Essentials Ryan Duell 2014-09-25 Your step-by-step guide to learning Autodesk Revit Architecture This detailed introduction to Revit Architecture features straightforward explanations and real-world, hands-on tutorials to teach new users the software's core features and functions. Presented in the context of real-world workflows, and using real-world projects, each chapter contains a discussion of the "why" and "how" that is reinforced with a step-by-step tutorial so you'll gain practical and applicable experience with the core features of Revit Architecture. The new pedagogical approach emphasizes learning skills to help you prepare for the Revit certification exams. Learn at your pace with step-by-step exercises, illustrated with full-color screenshots and downloadable Revit tutorial files Work with floors, ceilings, walls, and curtain walls Use modeling and massing to explore design ideas Use the Family Editor to create and manage families Understand effective worksharing, BIM workflows, and file management Use rendering and visualization techniques to make your design come alive Prepare for Revit certification exams With Autodesk Revit Architecture Essentials, you are only a step away from better, faster building design.

Autodesk Drainage Design for InfraWorks 360 Essentials Eric Chappell 2015-08-04 Master the advanced functionality of the drainage-specific InfraWorks add-on Autodesk Drainage Design for InfraWorks 360 Essentials, 2nd Edition provides hands-on guidance to the tools and capabilities of this drainage-specific InfraWorks module. Straightforward explanations coupled with real-world exercises help you get up to speed quickly, and become more productive using the module's core features and functions. The Drainage Design module includes tools and features that go beyond the base software, and this easy-to-follow guide walks you through the entire design process to show you how to take advantage of the advanced stormwater and flood-control analysis functions. Compelling screenshots illustrate step-by-step tutorials, and the companion website provides downloadable starting and ending files so you can jump in at any point and compare your work to the pros. Autodesk is releasing special modules that expand InfraWorks functionality. Drainage Design for InfraWorks is available to all InfraWorks users, and provides an extended toolset and interface specifically designed to streamline your workflow. Master the Drainage tools that go beyond the base software Create new designs and add detail with step-by-step tutorials Utilize the powerful drainage-specific analysis and optimization functions Import and work with real-world data for more comprehensive design If you're ready to work faster and more efficiently, Autodesk Drainage Design for InfraWorks 360 Essentials, 2nd Edition is the hands-on guide to this exciting new module.

Mastering AutoCAD 2016 and AutoCAD LT 2016 George Omura 2015-05-11 The bestselling AutoCAD

reference, with all new bonus video content Mastering AutoCAD 2016 and AutoCAD LT 2016 is a complete tutorial and reference, helping you design accurately and efficiently while getting the most out of the AutoCAD 2016 software. Concise explanations and focused examples strengthen your understanding of AutoCAD concepts, while step-by-step instruction and hands-on projects help you develop the skills you need for real-world projects. This new edition covers the latest AutoCAD capabilities, and gives you access to videos demonstrating crucial techniques. The companion website provides all of the project files necessary for the tutorials, and features additional video tutorials and other bonus content. You'll start with the basics of AutoCAD drafting, and gradually build your skills to an advanced level as you learn 3D modeling and imaging. Whether you're preparing for the Autodesk certification or just want to be an AutoCAD guru, this book provides the comprehensive information you need. Get acquainted with the AutoCAD 2016 interface and drafting tools Work with hatches, fields, tables, dynamic blocks, solid fills, and more Build an accurate, scalable 3D model of your design for reference Customize your AutoCAD and integrate it with other software Packed with expert tips, tricks, techniques, and tutorials, Mastering AutoCAD 2016 and AutoCAD LT 2016 is your essential guide to get up to speed quickly.

[Mastering AutoCAD 2017 and AutoCAD LT 2017](#) George Omura 2016-04-20 The bestselling guide to AutoCAD, updated and expanded for the AutoCAD 2017 release Mastering AutoCAD 2017 and AutoCAD LT 2017 is the premier guide to the world's leading CAD program. With clear explanation, focused examples, and step-by-step instruction, this guide walks you through everything you need to know to use AutoCAD 2017 and AutoCAD LT 2017 effectively. From basic drafting tools to 3D modeling, this book leaves no stone unturned in exploring the full repertoire of AutoCAD capabilities. Hands-on instruction allows for more productive learning, and provides clarification of crucial techniques. Effective as both a complete tutorial and a dip-in reference, the broadly-applicable concepts and instructions will appeal to AutoCAD users across industries and abilities. This new edition has been thoroughly updated to align with the software's latest features and capabilities, giving you a one-stop resource for getting up to speed. AutoCAD is the leading software for 2D and 3D technical drawings, and AutoCAD LT makes the software's tremendous functionality more accessible for smaller businesses and individuals. This guide shows you how to take full advantage of this powerful design platform, with expert guidance every step of the way. Get acquainted with the interface and master basic tools Utilize hatches, fields, cures, solid fills, dynamic blocks, and more Explore 3D modeling and imaging for more holistic design Customize the AutoCAD workflow to suit your needs Whether you're learning AutoCAD for the first time, upgrading from a previous version, or preparing for a certification exam, you need a thorough reference designed for the way professionals work. Mastering AutoCAD 2017 and AutoCAD LT 2017 is your ideal guide, with complete tutorials and expert advice. *AutoCAD 2016 and AutoCAD LT 2016 Essentials* Scott Onstott 2015-05-29 Learn AutoCAD 2016 quickly and painlessly with this practical hands-on guide AutoCAD 2016 Essentials gets you up to speed quickly, with hands-on instruction on the program's core features and functions. This new edition provides more manufacturing and landscape examples, a stronger emphasis on skills rather than tools, starting and ending files for every exercise, and a more clearly defined layout that separates the step-by-step instructions from the "why" discussion. Based on the real-world task of designing a house, the hands-on exercises help you quickly develop confidence and become productive with the software as you master the major 2D functions and move into 3D modeling. From layout to presentation, this in-depth guide takes you through the entire design process, and provides downloadable data so you can compare your work to the pros. If you're preparing for AutoCAD certification, this book is the ideal study guide — and the only one officially endorsed by Autodesk. This book is your unique learning resource that features concise, straightforward explanations and hands-on exercises. Each chapter opens with a quick discussion of concepts, and then briskly moves into an approachable, practical tutorial that helps you gain confidence in your new AutoCAD 2016 skills. Master the AutoCAD interface and basic 2D drawing skills Work with splines, polylines, hatch patterns, and gradients Organize objects with layers, groups, blocks, and cross-referencing Use constraints and layouts, print and export, model in 3D, and much more If you're a design professional, AutoCAD is need-to-know software. You have to be comfortable with it to be productive. AutoCAD 2016 Essentials gets you up and running quickly, with patient instruction and plenty of hands-on practice.

AutoCAD 2015 and AutoCAD LT 2015 Essentials Scott Onstott 2014-04-21 Step-by-step instructions for the AutoCAD fundamentals AutoCAD 2015 Essentials contains 400 pages of full-color, comprehensive instruction on the world's top drafting and architecture software. This 2015 edition features architectural, manufacturing, and landscape architecture examples. And like previous editions, the detailed guide introduces core concepts using interactive tutorials and open-ended projects, which can be completed in any order, thanks to downloadable data sets (an especially useful feature for students and professionals studying for Autodesk AutoCAD certification). Unlike many other guides, which are organized around conceptual themes or task categories, AutoCAD 2015 Essentials takes a start-to-finish approach that mirrors how you will work with the program in the real world. Starting with basic 2D drawing and progressing through organizing objects with groups and blocks, creating and editing text, and 3D modeling, the process you'll learn in this book is ready to take to work. Inside, each chapter follows an intuitive structure: Quick discussions of concepts and learning goals Hands-on drafting tutorials for active learning and confidence building Open-ended projects to reinforce new drafting skills Downloadable end files, so you can check your work AutoCAD 2015 Essentials is great for professionals and students who need to quickly and effectively learn the most common features of 2D and 3D design. With over 12 years of experience teaching and writing about this formidable design program, Scott Onstott provides you with everything you'll need to leverage the full capabilities of AutoCAD.

Mastering AutoCAD 2019 and AutoCAD LT 2019 George Omura 2018-05-30 The world's favorite guide to everything AutoCAD and AutoCAD LT—updated for 2019! Mastering AutoCAD 2019 and AutoCAD LT 2019 is the world's all-time best-selling guide to the world's most popular drafting software. Packed with tips, tricks, techniques, and tutorials, this guide covers every inch of AutoCAD and AutoCAD LT—including certification. This new edition has been fully updated to align with the software's 2019 update, featuring the same expert instruction augmented by videos of crucial techniques. Step-by-step walk-throughs, concise explanations, specific examples and plenty of hands-on projects help you learn essential AutoCAD skills by working directly with the necessary tools—giving you a skill set that translates directly to on-the-job use. AutoCAD is the dominant design and drafting software for 2D and 3D technical drawings, while AutoCAD LT is the more affordable version often used by students and hobbyists. Professional designers need complete command of the software's tools and functions, but a deeper exploration of more complex capabilities can help even hobbyists produce work at a higher level of technical proficiency. This book is your ultimate guide to AutoCAD and AutoCAD LT, whether you're seeking certification or just looking to draw. Get acquainted with the workspace and basic drafting tools Gain greater control of your drawings with hatches, fields, fills, dynamic blocks, and curves Explore the 3D modeling and imaging tools that bring your drawing to life Customize AutoCAD to the way you work, integrate it with other software, and more As certification preparation material, this book is Autodesk-endorsed; as a self-study guide to AutoCAD and AutoCAD LT mastery, this book is the gold-standard, having led over a half million people on the journey to better design. If you're ready to learn quickly so you can get down to work, Mastering AutoCAD 2019 and AutoCAD LT 2019 is your ideal resource.

AutoCAD 2016 for Beginners Cadfolks 2015-04-11 AutoCAD 2015 For Beginners is written to help a complete novice to learn AutoCAD Basics. The Author guides readers to create 2D drawings and 3D models with the help of brief explanations and step-by-step examples. This book starts with the introduction to Microsoft Windows-based user interface, 2D drawings, organizing and reusing data, plotting, and 3D modeling. In addition, there is a separate chapter on 2D Architectural drawings. Table of Contents 1. Introduction to AutoCAD 2. Drawing Basics 3. Drawing Aids 4. Editing Tools 5. Multi View Drawings 6. Dimensions and Annotations 7. Parametric Tools 8. Section Views 9. Blocks, Attributes and Xrefs 10. Layouts & Annotative Objects 11. Templates and Plotting 12. 3D Modeling Basics 13. Solid Editing & generating 2D views 14. Creating Architectural Drawings

AutoCAD 2016 and AutoCAD LT 2016 Essentials Scott Onstott 2015-06-03 Learn AutoCAD 2016

quickly and painlessly with this practical hands-on guide AutoCAD 2016 Essentials gets you up to speed quickly, with hands-on instruction on the program's core features and functions. This new edition provides more manufacturing and landscape examples, a stronger emphasis on skills rather than tools, starting and ending files for every exercise, and a more clearly defined layout that separates the step-by-step instructions from the "why" discussion. Based on the real-world task of designing a house, the hands-on exercises help you quickly develop confidence and become productive with the software as you master the major 2D functions and move into 3D modeling. From layout to presentation, this in-depth guide takes you through the entire design process, and provides downloadable data so you can compare your work to the pros. If you're preparing for AutoCAD certification, this book is the ideal study guide — and the only one officially endorsed by Autodesk. This book is your unique learning resource that features concise, straightforward explanations and hands-on exercises. Each chapter opens with a quick discussion of concepts, and then briskly moves into an approachable, practical tutorial that helps you gain confidence in your new AutoCAD 2016 skills. Master the AutoCAD interface and basic 2D drawing skills Work with splines, polylines, hatch patterns, and gradients Organize objects with layers, groups, blocks, and cross-referencing Use constraints and layouts, print and export, model in 3D, and much more If you're a design professional, AutoCAD is need-to-know software. You have to be comfortable with it to be productive. AutoCAD 2016 Essentials gets you up and running quickly, with patient instruction and plenty of hands-on practice.

AutoCAD Civil 3D 2016 Essentials Eric Chappell 2015-05-18 Start designing today with this hands-on beginner's guide to AutoCAD Civil 3D 2016 AutoCAD Civil 3D 2016 Essentials gets you quickly up to speed with the features and functions of this industry-leading civil engineering software. This full-color guide features approachable, hands-on exercises and additional task-based tutorials that help you quickly become productive as you master the fundamental aspects of AutoCAD Civil 3D design. Each chapter opens with a quick discussion of concepts and learning goals, and then briskly moves into tutorial mode with screen shots that illustrate each step of the process. The emphasis is on skills rather than tools, and the clear delineation between "why" and "how" makes this guide ideal for quick reference. The companion website provides starting and ending files for each exercise, so you can jump in at any point and compare your work with the pros. Centered around the real-world task of designing a residential subdivision, these exercises get you up to speed with the program's functionality, while also providing the only Autodesk-endorsed preparation for the AutoCAD Civil 3D certification exam. Master the AutoCAD Civil 3D 2016 interface and basic tasks Model terrain using imported field survey data Analyze boundaries, pipe networks, surfaces, and terrain Estimate quantities and create construction documentation If you're ready to acquire this must-have skillset, AutoCAD Civil 3D 2016 Essentials will get you up to speed quickly and easily.

Up and Running with AutoCAD 2015 Elliot Gindis 2014-07-04 Get "Up and Running" with AutoCAD using Gindis' combination of step-by-step instruction, examples, and insightful explanations. The emphasis from the beginning is on core concepts and practical application of AutoCAD in architecture, engineering, and design. Equally useful in instructor-led classroom training, self-study, or as a professional reference, the book is written with the user in mind by a long-time AutoCAD professional and instructor based on what works in the industry and the classroom. All basic commands are documented step-by-step: what the student inputs and how AutoCAD responds is spelled out in discrete and clear steps with numerous screen shots Extensive supporting graphics and a summary with a self-test section and topic specific drawing exercises are included at the end of each chapter Fully covers the essentials of both 2D and 3D in one easy-to-read volume New to this Edition: More end-of-chapter exercises from both architecture and engineering disciplines provide practice in applying newly acquired AutoCAD skills All discussions and screen shots updated for the current release of AutoCAD An expanded appendix that discusses the future of AutoCAD, computer aided design and other topics A companion website containing video lectures for each chapter for additional instruction and to make the material easy to follow. Visit www.vtcdesign.com

Mastering AutoCAD 2015 and AutoCAD LT 2015 George Omura 2014-05-14 The ultimate reference and tutorial for AutoCAD software This Autodesk Official Press book employs concise explanations, focused examples, step-by-step instructions, and hands-on projects to help you master both AutoCAD and AutoCAD LT. This detailed guide works well as both a tutorial and stand-alone reference, and is the perfect resource regardless of your level of expertise. Part I introduces the basics of the interface and drafting tools Part II moves into such intermediate skills as effectively using hatches, fields, and tables Part III details such advanced skills as attributes, dynamic blocks, drawing curves and solid fills Part IV explores 3D modeling and imaging Part V discusses customization and integration The supporting website includes all the project files necessary for the tutorials as well as video tutorials and other bonus content.

Mastering AutoCAD 2021 and AutoCAD LT 2021 Brian C. Benton 2021-01-07 Master New Skills in AutoCAD and AutoCAD LT with this Best-Selling Guide Every year, Mastering AutoCAD appears at the top of the AutoCAD book sales charts because of the comprehensive instruction and concise explanations found within. The expert authors the newest edition continue that tradition of excellence in Mastering AutoCAD 2021 and AutoCAD LT 2021, the leading reference and tutorial offering a thorough treatment of AutoCAD tools, functions, and techniques. You'll learn the most straightforward ways to tackle design tasks with the accompanying real-world examples, downloadable project files, and step-by-step instructions. The book covers CAD interface basics, drafting tools, how to use hatches, fields, and tables, and advanced skills like attributes, dynamic blocks, drawing curves, and solid fills. It also helps you prepare for Autodesk AutoCAD certification. Coverage includes: Creating and developing AutoCAD drawings Drawing curves and applying solid fills Effectively using hatches, fields, and tables Manipulating dynamic blocks and attributes Applying 3D modeling and imaging techniques Customizing and integrating your AutoCAD software Mastering interface basics and drafting tools Organizing objects with blocks and groups Selecting objects and editing with grips Displaying object properties Design a Wide Variety of Architectural Projects Effectively use Hatches, Tables, and Fields Use 3D Modeling and Imaging Configure Default Template Settings and Custom Styles Prepare for the Autodesk AutoCAD Certification Exams

Advanced AutoCAD 2015 Exercise Workbook Cheryl R. Shrock 2014-06-01 This is the right book for users if they liked the author's "Beginning AutoCAD" workbook, or they're looking for a clear, no nonsense, easy-to-follow text, or they want to learn more about AutoCAD such as Xref, Attributes, and 3D solids. Totally updated for AutoCAD 2015 and 2015 LT, it offers several new and improved features. All exercises print easily on a standard 8" x 11" printer. For use with the PC version of AutoCAD 2015 only. NEW FEATURES The ability to capture, embed and plot maps with Geographic Location Dark color interface which includes the Ribbon, Status Bar and Palettes. This contrasts with the dark model space and reduces eye strain. IMPROVED FEATURES Enhanced Status Bar giving greater control on the tools you want displayed. Reorganized View Ribbon making it easier to control the visibility of the UCS Icon, Navigation Bar, ViewCube and Layout Tabs. Improved graphics with Line Smoothing.

AutoCAD 2015 and AutoCAD LT 2015 Essentials Scott Onstott 2014-04-21 Step-by-step instructions for the AutoCAD fundamentals AutoCAD 2015 Essentials contains 400 pages of full-color, comprehensive instruction on the world's top drafting and architecture software. This 2015 edition features architectural, manufacturing, and landscape architecture examples. And like previous editions, the detailed guide introduces core concepts using interactive tutorials and open-ended projects, which can be completed in any order, thanks to downloadable data sets (an especially useful feature for students and professionals studying for Autodesk AutoCAD certification). Unlike many other guides, which are organized around conceptual themes or task categories, AutoCAD 2015 Essentials takes a start-to-finish approach that mirrors how you will work with the program in the real world. Starting with basic 2D drawing and progressing through organizing objects with groups and blocks, creating and editing text, and 3D modeling, the process you'll learn in this book is ready to take to work. Inside, each chapter follows an intuitive structure: Quick discussions of concepts and learning goals Hands-on drafting tutorials for active learning and confidence building Open-ended projects to reinforce new drafting skills Downloadable end files, so you can check your work AutoCAD 2015 Essentials is great for professionals and students who need to quickly and effectively learn the most common features of 2D and 3D design. With over 12 years of experience teaching and writing about this formidable design program, Scott Onstott provides you with everything you'll need to leverage the full capabilities of AutoCAD.

Enhancing Architectural Drawings and Models with Photoshop Scott Onstott 2010-12-07

AutoCAD For Dummies Bill Fane 2019-06-12 Simple steps for creating AutoCAD drawings AutoCAD is the ubiquitous tool used by engineers, architects, designers, and urban planners to put their ideas on paper. It takes some AutoCAD know-how to go from a brilliant idea to a drawing that properly explains how brilliant your idea is. AutoCAD For Dummies helps you de-mystify the handy software and put the tools in AutoCAD to use. Written by an experienced AutoCAD engineer and mechanical design instructor, it assumes no previous computer-aided drafting experience as it walks you through the basics of starting projects and drawing straight lines all the way up through 3D modeling. Conquer the first steps in creating an AutoCAD project Tackle drawing basics including straight lines and curves Add advanced skills including 3D drawing and modeling Set up a project and move into 3D It's true that AutoCAD is tough, but with the friendly

instruction in this hands-on guide, you'll find everything you need to start creating marvelous models—without losing your cool.

Residential Design Using AutoCAD 2015 Daniel John Stine 2014-04 Residential Design Using AutoCAD 2015 is an introductory level tutorial which uses residential design exercises as the means to teach you AutoCAD 2015. Each book comes with a disc containing numerous video presentations in which the author shows and explains the many tools and techniques used in AutoCAD 2015. After completing this book you will have a well-rounded knowledge of Computer Aided Drafting that can be used in the industry and the satisfaction of having completed a set of residential drawings. This textbook starts with a basic introduction to AutoCAD 2015. The first three chapters are intended to get you familiar with the user interface and the most common menus and tools. Throughout the rest of the book you will design a residence through to its completion. Using step-by-step tutorial lessons, the residential project is followed through to create elevations, sections, details, etc. Throughout the project, new AutoCAD commands are covered at the appropriate time. Focus is placed on the most essential parts of a command rather than an exhaustive review of every sub-feature of a particular command. The Appendix contains a bonus section covering the fundamental principles of engineering graphics that relate to architecture. The disc that comes with this book contains extensive video instruction as well as bonus chapters that cover must know commands, sketching exercises, a roof study workbook and much more. About the Videos The videos contained on the included disc make it easy to see the menu selections and will make learning AutoCAD straightforward and simple. At the start of each chapter you are prompted to watch a video that previews the topics that will be covered in the proceeding chapter. This allows you to become familiar with the menu selections and techniques before you begin the tutorial. By watching these videos you will be more confident in what you are doing and have a better understanding of the desired outcome of each lesson.

Mastering AutoCAD 2018 and AutoCAD LT 2018 George Omura 2017-04-10 30th Anniversary of the bestselling AutoCAD reference - fully updated for the 2018 release Mastering AutoCAD 2018 and AutoCAD LT 2018 is the complete tutorial and reference every design and drafting professional needs. Step-by-step instructions coupled with concise explanation walk you through everything you need to know about the latest AutoCAD tools and techniques; read through from beginning to end for complete training, or dip in as needed to for quick reference—it's all here. Hands-on projects teach you practical skills that apply directly to real-world projects, and the companion website features the accompanying project files and other bonus content to help you master every crucial technique. This new edition has been updated to include the latest AutoCAD and AutoCAD LT capabilities, so your skills will transfer directly to real-world projects. With expert guidance and a practical focus, this complete reference is your ultimate resource for mastering this powerful software. AutoCAD is a critical skill in the design fields; whether you're preparing for a certification exam, or just want to become more productive with the software, this book will help you: Master the basic drafting tools that you'll use in every project Work with hatches, fields, tables, attributes, dynamic blocks, and other intermediate tools Turn your 2D drawing into a 3D model with advanced modeling and imaging techniques Customize AutoCAD to fit the way you work, integrate outside data, and much more If you're new to AutoCAD, this book will be your "bible;" if you're an experienced user, this book will introduce you to unfamiliar tools and techniques, and show you tips and tricks that streamline your workflow.

AutoCAD 2009 and AutoCAD LT 2009 All-in-One Desk Reference For Dummies Lee Ambrosius 2008-08-04 Nobody ever said AutoCAD was easy, which is why you need AutoCAD & AutoCAD LT 2009 All-In-One Desk Reference for Dummies! These nine minibooks cover all the stuff you need to know to set up AutoCAD for 2D or 3D, create drawings, modify and share them, publish your work, and more. There's even a minibook devoted to increasing your options with AutoCAD LT! This one-stop guide to creating great technical drawings using AutoCAD 2009 shows you how to navigate the AutoCAD interface, set up drawings, use basic and precision tools, and use drawing objects. You'll learn how to annotate your drawings, use dimensioning and hatching, and work with AutoCAD's new Annotation Scaling feature. You'll also find out how to work with solids, texture surfaces, add lighting, and much more. Discover how to Navigate the AutoCAD interface Work with lines, shapes, and curves Add explanatory text Understand AutoCAD LT's limitations Render your drawings Create and manage blocks Use AutoCAD advanced drafting techniques Comply with CAD management and standards Share your work with others Customize the AutoCAD interface, tools, and more Complete with Web links to advanced information on navigating the AutoCAD programming interfaces, using custom programs, getting started with AutoLISP, and working with Visual Basic for AutoCAD, AutoCAD & AutoCAD LT 2009 All-In-One Desk Reference for Dummies is the only comprehensive AutoCAD guide you'll ever need.

Computer-Aided Graphing and Simulation Tools for AutoCAD Users P. A. Simionescu 2014-12-12 This book allows readers to expand the versatility of AutoCAD® design and documentation software. It provides ready-to-use procedures and computer programs for solving problems in a variety of application areas, including computer-aided design, data visualization, evolutionary computation, numerical methods, single and multicriteria optimization, linkage and robot kinematics, cam mechanisms, and involute gears. Students, engineers, and scientists alike will benefit from the text's illustrative examples, first-rate figures, and many original problem-solving approaches, as well as the included software tools for producing high-quality graphs and simulations. Those who use AutoCAD LT, or have access to only a DXF viewer, can also make substantial use of this book and the accompanying programs and simulations. The first two chapters of this book describe plotting programs D 2D and D 3D, which have many features not yet available in popular software like MATLAB® or MathCAD. Both plotting programs are available with the book. Other chapters discuss motion simulation of planar mechanical systems, design and analysis of disk cam mechanisms, and how to use the Working Model 2D and AutoLISP applications to demonstrate how involute gears operate. The book concludes with a collection of practical problems that can be solved using the programs and procedures discussed earlier in the book.

AutoCAD 2015 and AutoCAD LT 2015 Essentials Scott Onstott 2014-04-21 Step-by-step instructions for the AutoCAD fundamentals AutoCAD 2015 Essentials contains 400 pages of full-color, comprehensive instruction on the world's top drafting and architecture software. This 2015 edition features architectural, manufacturing, and landscape architecture examples. And like previous editions, the detailed guide introduces core concepts using interactive tutorials and open-ended projects, which can be completed in any order, thanks to downloadable data sets (an especially useful feature for students and professionals studying for Autodesk AutoCAD certification). Unlike many other guides, which are organized around conceptual themes or task categories, AutoCAD 2015 Essentials takes a start-to-finish approach that mirrors how you will work with the program in the real world. Starting with basic 2D drawing and progressing through organizing objects with groups and blocks, creating and editing text, and 3D modeling, the process you'll learn in this book is ready to take to work. Inside, each chapter follows an intuitive structure: Quick discussions of concepts and learning goals Hands-on drafting tutorials for active learning and confidence building Open-ended projects to reinforce new drafting skills Downloadable end files, so you can check your work AutoCAD 2015 Essentials is great for professionals and students who need to quickly and effectively learn the most common features of 2D and 3D design. With over 12 years of experience teaching and writing about this formidable design program, Scott Onstott provides you with everything you'll need to leverage the full capabilities of AutoCAD.

AutoCAD Platform Customization Lee Ambrosius 2015-04-16 Take control of AutoCAD for a more efficient, streamlined workflow AutoCAD Platform Customization is the most comprehensive guide to streamlining and personalizing the AutoCAD platform. The AutoLISP and VBA programming languages open up a myriad of customization options, and this book provides expert guidance toward applying them to AutoCAD, Civil 3D, Plant 3D, and other programs based on the Autodesk AutoCAD platform. Detailed discussions backed by real-world examples and step-by-step tutorials provide user-friendly instruction, and downloadable datasets allow for hands-on learning. Through customization you can increase screen real estate, streamline workflows, and create more accurate drawings by unleashing powerful programming languages that allow the user to command the software how to work, instead of the other way around. AutoCAD customization is commonly performed by system administrators and CAD managers, but senior drafters and savvy users are increasingly taking customization into their own hands. AutoLISP and VBA are two popular and versatile tools that allow for going beyond the boundaries of normal user interface customization options, allowing users to: Enforce drawing and CAD standards, and automate repetitive tasks Customize the workspace, including tool sets, ribbon tabs and panels, and palettes Modify graphical objects, set system variables, integrate with external software, and more Manage blocks, change the interface, create dialog boxes, and communicate with Microsoft Office applications The ideal design environment puts the tools you need right at your fingertips, removes unnecessary steps, and fosters precision through good communication. Customizing, including applying AutoLISP and VBA to AutoCAD, enables all of this and much more. For the designer who needs to work smarter because it's impossible to work any harder, AutoCAD Platform Customization provides the key information, insight, and techniques that will help to increase your productivity with AutoCAD.

Mastering Autodesk Inventor 2015 and Autodesk Inventor LT 2015 Curtis Waguespack 2014-06-16 A comprehensive guide to Autodesk Inventor and Inventor LT This detailed reference and tutorial provides straightforward explanations, real-world examples, and practical tutorials that focus squarely on teaching Autodesk Inventor tips, tricks, and techniques. The book also includes a project at the beginning to help those new to Inventor quickly understand key interface conventions and capabilities. In addition, there is more information on Inventor LT, new practice drawings at the end of each chapter to reinforce lessons learned, and thorough coverage of all of Inventor's new features. The author's extensive experience across industries and his expertise enables him to teach the software in the context of real-world workflows and work environments. Mastering Inventor explores all aspects of part design, including sketching, basic and advanced modeling techniques, working with sheet metal, and part editing. Here are just a few of the key topics covered: Assemblies and subassemblies Real-world workflows and offering extensive detail on working with large assemblies Weldment design Functional design using Design Accelerators and Design Calculators Everything from presentation files to simple animations to documentation for exploded views Frame Generator Inventor Studio visualization tools Inventor Professional's dynamic simulation and stress analysis features Routed systems features (piping, tubing, cabling, and harnesses) The book's detailed discussions are reinforced with step-by-step tutorials, and readers can compare their work to the downloadable before-and-after tutorial files. In addition, you'll find an hour of instructional videos with tips and techniques to help you master the software. Mastering Inventor is the ultimate resource for those who want to quickly become proficient with Autodesk's 3D manufacturing software and prepare for the Inventor certification exams.

AutoCAD 2012 and AutoCAD LT 2012 Bible Ellen Finkelstein 2011-06-15 The latest version of this perennial favorite, in-depth, reference-tutorial This top-selling book has been updated by AutoCAD guru and author Ellen Finkelstein to provide you with the very latest coverage of both AutoCAD 2012 and AutoCAD LT 2012. It begins with a Quick Start tutorial, so you start creating right away. From there, the book covers so much in-depth material on AutoCAD that it is said that even Autodesk employees keep this comprehensive book at their desks. A DVD is included that features before-and-after drawings of all the tutorials and plenty of great examples from AutoCAD professionals. Explains in depth both AutoCAD 2012 and AutoCAD LT 2012 Written by Ellen Finkelstein, a long-time AutoCAD instructor and very popular author of many editions of the AutoCAD Bible Starts with a tutorial on AutoCAD 2012 that covers the basics of creating drawings, using commands, and specifying coordinates Builds on early chapters to cover more complex 2D and 3D drawing techniques Discusses advanced topics such as customization and programming AutoCAD using AutoLISP and VBA Features a DVD with before-and-after drawings for each tutorial, and more If you're eager to create 2D and 3D technical drawings with AutoCAD 2012, the AutoCAD 2012 and AutoCAD LT2012 Bible is what you need!

AutoCAD/AutoCAD LT 2017 Fundamentals - Metric Units - Part 1 ASCENT - Center for Technical Knowledge 2016-03-21 Note: This book is continued in "AutoCAD/AutoCAD LT 2017 (R1): Fundamentals - Metric: Part 2." The objective of "AutoCAD(r)/AutoCAD LT(r) 2017 (R1): Fundamentals" is to enable students to create a basic 2D drawing in the AutoCAD software. Part 1 (chapters 1 to 20) covers the essential core topics for working with the AutoCAD software. The teaching strategy is to start with a few basic tools that enable the student to create and edit a simple drawing, and then continue to develop those tools. More advanced tools are introduced throughout the student guide. Not every command or option is covered, because the intent is to show the most essential tools and concepts, such as: Understanding the AutoCAD workspace and user interface. Using basic drawing, editing, and viewing tools. Organizing drawing objects on layers. Inserting reusable symbols (blocks). Preparing a layout to be plotted. Adding text, hatching, and dimensions. Part 2 (chapters 21 to 32) continues with more sophisticated techniques that extend your mastery of the software. For example, here you go beyond the basic skill of inserting a block to learning how to create blocks, and beyond the basic skill of using a template to understand the process of setting up a template. You learn skills such as: Using more advanced editing and construction techniques. Adding parametric constraints to objects. Creating local and global blocks. Setting up layers, styles, and templates. Using advanced plotting and publishing options. The "AutoCAD(r)/AutoCAD LT(r) 2017 (R1): Fundamentals" student guide is designed for those using AutoCAD(r) or AutoCAD LT(r) 2017 with a Windows operating system. This student guide is not designed for the AutoCAD for Mac software. Prerequisites A working knowledge of basic design/drafting procedures and terminology. A working knowledge of your operating system.

AutoCAD 2015 and AutoCAD LT 2015: No Experience Required Donnie Gladfelter 2014-06-11 Learn AutoCAD by example with this tutorial-based guide from Autodesk Official Press Whether you are just starting out or an experienced user wanting to brush up on your skills, this Autodesk Official Press book provides you with concise explanations, focused examples, and step-by-step instructions through a hands-on tutorial project that runs throughout the book. As you progress through the project, the book introduces you to the Microsoft Windows-based AutoCAD interface and then guides you through basic commands and creating drawings. A downloadable file is available from the website so that you can compare your work to the author's, and if necessary, start fresh with an intact drawing. Once you've completed the project, you will have proficiency in AutoCAD skills including: Grouping, elevations, and hatches Using text in drawings Dimensioning External references Layouts and printing Using 3D Author Donnie Gladfelter (aka "The CAD Geek"), is a top-rated trainer at CADD Microsystems and has worked with the Autodesk development team to help shape the product features. He is an AutoCAD Mentor All Star and has been a popular speaker at Autodesk University for more than seven years.

Mastering AutoCAD Civil 3D 2016 Cyndy Davenport 2015-08-19 Utilize AutoCAD Civil 3D 2016 for a real-world workflow with these expert tricks and tips Mastering AutoCAD Civil 3D 2016 is a complete, detailed reference and tutorial for Autodesk's extremely popular and robust civil engineering software. With straightforward explanations, real-world examples, and practical tutorials, this invaluable guide walks you through everything you need to know to be productive. The focus is on real-world applications in professional environments, with all datasets available for download, and thorough coverage helps you prepare for the AutoCAD Civil 3D certification exam with over an hour's worth of video on crucial tips and techniques. You'll learn how to navigate the software and use essential tools, and how to put it all together in the context of a real-world project. In-depth discussion covers surveying, alignments, surface, grading, cross sections and more, and instructor support materials provide an ideal resource for training and education. This book will take you from beginner to pro, so you can get the most out of AutoCAD Civil 3D every step of the way. Understand key concepts and get acquainted with the interface Create, edit, and display all elements of a project Learn everything you need to know for the certification exam Download the datasets and start designing right away With expert insight, tips, and techniques, Mastering AutoCAD Civil 3D 2016 helps you become productive from the very beginning.

AutoCAD MEP 2020 for Designers, 5th Edition Prof. Sham Tickoo AutoCAD MEP 2020 for Designers book is written to help the readers effectively use the designing and drafting tools of AutoCAD MEP 2020. This AutoCAD MEP book provides detailed description of the tools that are commonly used in designing HVAC system, piping system, and plumbing system as well as in designing the electrical layout of a building. The AutoCAD MEP 2020 book further elaborates on the procedure of generating the schematic drawings of a system, which are used for schematic representation of a system. Special emphasis has been laid on the introduction of concepts, which have been explained using text, along with graphical examples. The examples and tutorials used in the AutoCAD MEP 2020 for Designers book ensure that the users can relate the information provided in this book with the practical industry designs. Salient Features: Chapters

that are organized in a pedagogical sequence. Tutorial approach to explain various concepts of AutoCAD MEP 2020. Summarized content on the first page of the topics that are covered in the chapter. Detailed explanation of AutoCAD MEP 2020 commands and tools. The first page of every chapter summarizes the topics that are covered in it. Consists of hundreds of illustrations and a comprehensive coverage of AutoCAD MEP 2020 concepts and techniques. Step-by-step instructions that guide the users through the learning process. Real-world mechanical engineering designs as tutorials and projects. Additional information throughout the book in the form of notes and tips. Self-Evaluation Tests and Review Questions in each chapter so that the users can assess their knowledge. Technical support by contacting 'techsupport@cadcim.com'. Additional learning resources at 'allaboutcadcam.blogspot.com'. Table of Contents Chapter 1: Introduction to AutoCAD MEP Chapter 2: Getting Started with AutoCAD MEP Chapter 3: Working with Architecture Workspace Chapter 4: Creating HVAC System Chapter 5: Creating Piping System Chapter 6: Creating Plumbing System Chapter 7: Creating Electrical System Layout Chapter 8: Representation and Schedules Chapter 9: Working with Schematics Project 1: Creating Complete System of a Forging Plant Project 2: Creating Complete Commercial Office Building Index **AutoCAD 2013 and AutoCAD LT 2013** Donnie Gladfelter 2012-06-11 The ideal introductory resource for Autodesk's powerful architectural design software With this hands-on guide, you'll learn how to plan, develop, document, and present a complete AutoCAD project by working on summer cabin--a fun practice project that runs throughout the book. You can follow each step sequentially or jump in at any point by downloading the drawing files from the book's companion web site. You'll also master all essential AutoCAD features, get a thorough grounding in the basics, learn the very latest industry standards and techniques, and quickly become productive with AutoCAD. Features concise explanations, focused examples, and step-by-step instructions for learning AutoCAD and AutoCAD LT with a hands-on project Fully revised for the latest AutoCAD and AutoCAD LT as well as emerging techniques and standards in the industry Offers the full range of basics such as the AutoCAD interface, basic commands, and creating drawings, and gradually progresses to more advanced topics, including grouping, elevations, hatches, and using text in drawings Includes a supporting website the contains downloadable tutorial files, so readers can jump in at any point in the book Introduces dimensioning, external references, layouts and printing, and using 3D AutoCAD2013 and AutoCAD LT 2013: No Experience Required helps you learn to use AutoCAD and AutoCAD LT with ease and confidence.

Autodesk AutoCAD 2014 Fundamentals Elise Moss 2013 Autodesk AutoCAD 2014 Fundamentals is designed to be used during instructor led training in an eight week course. It is an introductory level textbook intended for new AutoCAD 2014 users. This book covers all the fundamental skills necessary for effectively using AutoCAD and will provide a strong foundation for advancement. This textbook applies the use of AutoCAD as it pertains to mechanical drafting. Knowing how to draw a line in AutoCAD is not the same as understanding which line type is required when creating technical drawings. This text not only provides the necessary information to operate AutoCAD 2014 but also provides the skills to use AutoCAD as a tool to work proficiently as a drafter or designer.

AutoCAD 2016 and AutoCAD LT 2016 No Experience Required Donnie Gladfelter 2015-10-14 Hands-on AutoCAD training in a tutorial-driven beginner's guide AutoCAD 2016 and AutoCAD LT 2016: No Experience Required is your ultimate beginner's guide to the leading drawing and design software. Using a continuous tutorial approach, this book walks you step-by-step through the entire design process from setup to printing. Follow the tutorial from start to finish, or jump in at any time to pick up new skills. The companion website features downloadable tutorial files that allow you to join the project at each progress point, and the short discussions and intensively hands-on instruction allow you to instantly see the results of your work. You'll start by learning the basics as you create a simple 2D drawing, and then gradually build upon your skills by adding detail, dimensions, text, and more. You'll learn how to create an effective presentation layout, and how to turn your drawing into a 3D model that can help you pinpoint design flaws and features. AutoCAD's newest commands and capabilities are reinforced throughout, so you can gain confidence and build a skillset to be proud of. Get acquainted with the AutoCAD 2016 interface and basic commands Create accurate drawings and elevations to communicate your design Add detail to your plans with groupings, hatches, text, and dimensions Lay your design out for printing, or go 3D to create a walk-through model AutoCAD 2016 and AutoCAD LT 2016: No Experience Required gets you started, so you can begin designing today.

Engineering Graphics Essentials with AutoCAD 2015 Instruction Kirstie Plantenberg 2014-06-25 Engineering Graphics Essentials with AutoCAD 2015 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 them the fundamentals of AutoCAD 2015. This book features an independent learning disc 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 enclosed independent learning disc allows the learner to go through the topics of the book independently. The main content of the disc 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 the learner 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.

Mastering AutoCAD George Omura 1989 This third edition has been revised to encompass the new AutoCAD release 10. New features covered include the user coordinate system, 3D meshes, multiple viewports and more.

Discovering AutoCAD 2011 Mark Dix 2011 Discovering AutoCAD 2011 presents a hands-on, activity-based approach to the use of AutoCAD as a drafting tool--complete with techniques, tips, shortcuts, and insights that improve efficiency. Topics and tasks are carefully grouped to lead students logically through the AutoCAD command set, with the level of difficulty increasing steadily as skills are acquired through experience and practice. Straightforward explanations focus on what is relevant to actual drawing procedures, and illustrations show exactly what to expect on the computer screen. This edition features Web-based exercises, projects, and new test questions for each chapter.

AutoCAD Civil 3D 2015 Essentials Eric Chappell 2014-06-30 Learn the leading civil engineering software, fast and in full color If you need to learn the core features and functions of AutoCAD Civil 3D now, this is the book for you. AutoCAD Civil 3D Essentials uses full-color screenshots and tutorials based on real workflows to teach you the fundamentals of this industry-leading civil engineering software. Award-winning instructor Eric Chappell has been using and teaching Civil 3D since its first release, and his to-the-point explanations of crucial Civil 3D topics mean that you'll learn what you need to know quickly and efficiently. In each chapter, you will progress from guided tutorials to open-ended civil projects, and can download before and after project files to check your work or jump directly to the section of the book you need. AutoCAD Civil 3D Essentials will have you designing, implementing, and documenting civil engineering projects in no time. As an Autodesk Official Press book, AutoCAD Civil 3D Essentials is approved as a study guide for Civil 3D certification exams. The proven skills-based approach of this guide focuses on enabling you to fully leverage the capabilities of this powerful software. Here are a few of the skills you will learn as you work through this comprehensive book: Working with field survey data, point data, and stakeout data Modeling terrain and boundaries using surfaces and parcels Using profiles, alignments, corridors, and quantities Creating construction documentation and project visualizations