

## Autocad 2014 Customization Guide

Tutorial Guide to AutoCAD 2015 provides a step-by-step introduction to AutoCAD with commands presented in the context of each tutorial. In fifteen clear and comprehensive chapters, author Shawna Lockhart guides readers through all the important commands and techniques in AutoCAD 2015, from 2D drawing to solid modeling and finally finishing with rendering. In each lesson, the author provides step-by-step instructions with frequent illustrations showing exactly what appears on the AutoCAD screen. Later, individual steps are no longer provided, and readers are asked to apply what they've learned by completing sequences on their own. A carefully developed pedagogy reinforces this cumulative-learning approach and supports readers in becoming skilled AutoCAD users. Tutorial Guide to AutoCAD 2015 begins with three Getting Started chapters that include information to get readers of all levels prepared for the tutorials. The author includes tips that offer suggestions and warnings as you progress through the tutorials. Key Terms and Key Commands are listed at the end of each chapter to recap important topics and commands learned in each tutorial. Also, a glossary of terms and Commands Summary list the key commands used in the tutorials. Each chapter concludes with end of chapter problems providing challenges to a range of abilities in mechanical, electrical, and civil engineering as well as architectural problems.

Find your way around AutoCAD 2014 with this full-color, For Dummies guide! Put away that pencil and paper and start putting the power of AutoCAD 2014 to work in your CAD projects and designs. From setting up your drawing environment to using text, dimensions, hatching, and more, this guide walks you through AutoCAD basics and provides you with a solid understanding of the latest CAD tools and techniques. You'll also benefit from the full-color illustrations that mirror exactly what you'll see on your AutoCAD 2014 screen and highlight the importance of AutoCAD's Model view, which shows different line weights for printing in different colors. Covers the latest AutoCAD features and techniques, including creating a basic layout, navigating the AutoCAD 2014 interface, drawing and editing, working with dimensions, plotting, adding text, using blocks, and more Shows you how to make the best use of color in your AutoCAD designs, take advantage of the AutoCAD DesignCenter, and showcase your work to potential clients and customers Includes practical advice and guidance on real-world methods and tips used by architects, engineers, and other CAD professionals to create compelling 3D models and detailed technical drawings You'll quickly get up to speed on all AutoCAD has to offer with AutoCAD 2014 For Dummies in your toolbox.

Principles and Practices: An Integrated Approach to Engineering Graphics and AutoCAD 2014 combines an introduction to AutoCAD 2014 with a comprehensive coverage of engineering graphics principles. By adopting this textbook, you will no longer need to adopt separate CAD and engineering graphics books for your course. Not only will this unified approach give your course a smoother flow, your students will also save money on their textbooks. What's more, the tutorial exercises in this text have been expanded to cover the performance tasks found on the AutoCAD 2014 Certified User Examination. The primary goal of Principles and Practices: An Integrated Approach to Engineering Graphics and AutoCAD 2014 is to introduce the aspects of engineering graphics with the use of modern Computer Aided Design/Drafting software - AutoCAD 2014. This text is intended to be used as a training guide for students and professionals. The chapters in the text proceed in a pedagogical fashion to guide you from constructing basic shapes to making complete sets of engineering drawings. This text takes a hands-on, exercise-intensive approach to all the important concepts of Engineering Graphics, as well as in depth discussions of CAD techniques. This textbook contains a series of twelve chapters, with detailed step-by-step tutorial-style lessons designed to introduce beginning CAD users to the graphic language used in all branches of technical industry. The CAD techniques and concepts discussed in the text are also designed to serve as the foundation to the more advanced parametric feature-based CAD packages, such as Autodesk Inventor.

This step-by-step, highly visual text provides a comprehensive introduction to managing and maintaining computer hardware and software. Written by best-selling author and educator Jean Andrews, A+ GUIDE TO MANAGING AND MAINTAINING YOUR PC closely integrates the CompTIAA+ Exam objectives to prepare you for the 220-801 and 220-802 certification exams. The new Eighth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. Supported by a wide range of supplemental resources to enhance learning—including innovative tools, interactive exercises and activities, and online study guides—this proven text offers an ideal way to prepare you for success as a professional PC repair technician. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Tutorial Guide to AutoCAD 2014SDC Publications

Autodesk Revit 2014 Basics for Architectural Design is geared towards beginning architectural students or professional architects who want to get a jump-start into 3D parametric modeling for commercial structures. This book is filled with tutorials, tips and tricks, and will help you get the most out of your software in very little time. The text walks you through from concepts to site plans to floor plans and on through reflected ceiling plans, then ends with an easy chapter on how to customize Autodesk Revit to boost your productivity. The advantages of working in 3D are not initially apparent to most architectural users. The benefits come when you start creating your documentation and you realize that your views are automatically defined for you with your 3D model. Your schedules and views automatically update when you change features. You can explore your conceptual designs faster and in more depth. Learning to use Autodesk Revit will not make you a better architect. However, it will allow you to communicate your ideas and designs faster, easier, and more beautifully.

Focused around a hotel suite project, AutoCAD 2014 for the Interior Designer provides the Interior Design student with a non-intimidating, tutorial based, approach to learning the AutoCAD program. It accomplishes this by taking students that have no computer design experience from simple commands to complete projects in this single-semester sized text. This well organized and progressive approach to learning AutoCAD sets this text apart from others. To support all users, this book now covers AutoCAD for both Macs and PCs. The emphasis of this book is on easy to understand descriptions and instructions, allowing the non-technical, artistic, visual learning Interior Design student to quickly get past the fear of using the computer to produce drawings. The focus is entirely on the use of AutoCAD for the Interior Design field and not simply architectural drawings. Chapters alternate between command descriptions, which are organized by a command set category, and tutorials. This allows students to easily refer back to command descriptions without hunting through a tutorial that introduces commands as it

progresses. The emphasis is on the practical use of commands using the AutoCAD ribbon workspace, rather than the multiple (and seldom used) command options. Multiple tutorials of the hotel suite, which includes floor plan, elevation views, dimensioning, and plotting, provide a practical application of the commands learned in the preceding chapters. Completely dimensioned drawings are provided at the beginning of each tutorial so that the advanced student, or an instructor led class, can complete them without going through the step-by-step process. This textbook is classroom proven and relevant interior design homework problems are provided. After completing this book, the student will be able to create all their 2-D Interior Design work using AutoCAD.

Design Integration Using Autodesk Revit 2014 is designed to provide the reader with a well-rounded knowledge of Autodesk Revit tools and techniques. All three flavors of the Revit platform are introduced in this textbook. This approach gives the reader a broad overview of the Building Information Modeling (BIM) process. The topics cover the design integration of most of the building disciplines: Architectural, Interior Design, Structural, Mechanical, Plumbing and Electrical. Civil is not covered, but adding topography to your model is. Each book comes with a CD containing numerous video presentations of the written material. Throughout the book the student develops a two story law office. The drawings start with the floor plans and develop all the way to photo-realistic renderings similar to the one on the cover of this book. Along the way the building's structure, ductwork, plumbing and electrical (power and lighting) are modeled. By the end, the reader will have thorough knowledge of many of the Revit basics needed to be productive in a classroom or office environment. Even if you will only be working with one component of Revit in your chosen profession, this book will give you important knowledge on how the other disciplines will be doing their work and valuable insight into the overall process. As an instructor, the author understands that many students in a classroom setting have varying degrees of computer experience. To help level the playing field the first chapter is devoted to an introduction to computers. Much of the basics are covered, from computer hardware and software to file management procedures: including step-by-step instructions on using a flash drive. Chapters 2 through 5 cover many of the Revit basics needed to successfully and efficiently work in the software. Once the fundamentals are covered, the remaining chapters walk the reader through a building project which is started from scratch so nothing is taken for granted by the reader or the author.

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.

Kelly L. Murdock's Autodesk 3ds Max 2015 Complete Reference Guide is a popular book among users new to 3ds Max and is used extensively in schools around the globe. The success of this book is found in its simple easy-to-understand explanations coupled with its even easier to follow tutorials. The tutorials are laser focused on a specific topic without any extra material, making it simple to grasp difficult concepts. The book also covers all aspects of the software, making it a valuable reference for users of all levels. The Complete Reference Guide is the ultimate book on 3ds Max, and like Autodesk's 3D animation software, it just gets better and better with each release. Whether you're new to 3ds Max or an experienced user, you'll find everything you need in this complete resource. The book kicks off with a getting started section, so beginners can jump in and begin working with 3ds Max right away. Experienced 3ds Max users, will appreciate advanced coverage of features like crowd simulation, particle systems, radiosity, MAXScript and more. Over 150 tutorials – complete with before and after files – help users at all levels build real world skills.

This book is written for students and engineers who are interested to learn AutoCAD P&ID 2014 for creating Piping and Instrumentation Diagrams (P&ID's). This book provides a step-by-step approach for learning AutoCAD P&ID 2014. The topics include Creating a basic P&ID, Connecting P&ID's, Editing the drawing, Creating custom symbols, Managing Project Data, Generating reports, and Adding and defining new classes. Tutorial 1 takes you through the creation of your first Piping and Instrumentation diagram. You create a simple P&ID. Tutorial 2 teaches you to create a symbol and convert it into a P&ID object. It also explains how to connect P&ID's in a project using off-page connectors. Tutorial 3 teaches you to manage the project data using the Data Manager. You will also learn to export and import the data related to a plant project. Tutorial 4: In this tutorial, you will learn to edit a P&ID using various options available in AutoCAD P&ID. Tutorial 5: In this tutorial, you will add a new class and assign a symbol to it. Tutorial 6: In this tutorial, you will generate reports using AutoCAD Plant Report Creator.

The "Autodesk(r) Inventor(r) 2015 Update for 2013/2014 Users" training guide introduces the new concepts and solid modeling techniques that have been added to both the Autodesk Inventor 2014 and Autodesk Inventor 2015 software. The training guide covers enhancements to the most commonly used environments and contains practices for practicing the new concepts. The major topics covered include: Interface Enhancements Sketching Enhancements Part Modeling Enhancements Assembly Enhancements Drawing Enhancements Sheet Metal Enhancements The training guide begins with changes to the overall interface and enhancements that cover global settings and import/export support. The second chapter covers the sketch environment and contains many topics that have been added to ease sketch creation and how you work and control constraint settings. A number of enhancements have also been added to existing and new part modeling tools. These changes are covered in Chapter 3. In addition to changes made to existing features, such as fillets, sweeps, threads, and iParts, new workflows for simplifying models, attaching point cloud data, and using direct edit to make changes to a model are also covered. Chapters 4 and 5 cover all of the changes to the assembly environment. These include changes to component placement, setting up relationships using Constraints and Joints, and assembly simplification tools. Additional assembly enhancements to section and design views and the new ability to reuse frame members are also covered. The final chapter in the training guide covers the drawing environment. The topics discussed are divided so that all of the view and annotation enhancements are covered. The training guide appendices introduce the Freeform part modeling workflow as a non-parametric design methodology and the changes made in the Sheet Metal environment. Prerequisites: This training guide assumes knowledge of the Autodesk Inventor 2013 or 2014 software. Students should know how to create and edit parts, create assemblies, and set up drawing files to create and annotate drawing views.

The AutoCAD 2015 Update for AutoCAD 2013/2014 Users training guide teaches the new and enhanced features introduced in the AutoCAD(r) 2014 and 2015 software. Topics covered range from general improvements and command enhancements to 3D modeling and collaboration enhancements. Among the many changes in this new release are the general interface components including: New Tab, interface color scheme, tab and panel enhancements, Autodesk 360 collaboration, Model Space Viewports, and Help. There are several updates to commands, such as Hatch, Array, Erase, Arcs, Polylines, Offset, and various 3D tools, such as 3D Model import file types, Presspull, Point Clouds, and creation previews. The main topics include: Interface enhancements Command enhancements including Hatch, Array, Offset, Arc, Layers, and Polyline Layout and Model Space viewport enhancements Enhanced 3D Model Import file type list Various 3D command enhancements Point Cloud enhancements Customization updates in the Cloud Design Feed palette Autodesk Exchange enhancements Direct access to Autodesk 360 (Cloud) Content Explorer enhancements

A step-by-step tutorial introduction to AutoCAD As the only book to teach AutoCAD using a continuous tutorial which allows you to follow along sequentially or jump in at any exercise by downloading the drawing files, this Autodesk Official Press book is ideal for the AutoCAD novice. Industry expert and AutoCAD guru Donnie Gladfelter walks you through the powerful features of AutoCAD, provides you with a solid foundation of the basics, and shares the latest industry standards and techniques. The hands-on tutorial project inspired by real-world workflows that runs throughout the book helps you understand and apply the techniques and tools. Introduces you to the AutoCAD and AutoCAD LT interface, basic commands, and industry workflows Builds upon the basics that are covered in order to gradually segue into more advanced features and skills, such as telling the story of your designs with annotation, generating elevations, and visualizing projects in 3D Covers dimensioning, external references, layouts and printing, using 3D, and more AutoCAD 2014 and AutoCAD LT 2014: No Experience Required helps you quickly learn how to use AutoCAD and AutoCAD LT productively.

"In this training course for AutoCAD Electrical 2014, expert trainer Shaun Bryant guides you through the tools and techniques you can use to create your electrical CAD designs. With AutoCAD Electrical you get a huge selection of symbol libraries and features specific to electrical engineering. Shaun takes you through these features and how to use them step by step in short, easy to understand lessons. You will begin this tutorial with a walk through the AutoCAD interface, as Shaun shows how to access the electrical design toolset. Each lesson is designed to build on the last, ensuring that you are not inundated with too much information at once, which will increase your retention of the material. Some of the topics that are covered include: workflow basics, schematic wiring, accessing and using electrical symbols, editing your schematics, creating panel layouts, using custom components, PLC Modules, and automation tools. Those features are just a small example of the over 9 hours of top quality video training you get in this professional tutorial. Once you have completed this computer based training course for AutoCAD Electrical 2014, you will have a comprehensive understanding of the tools and techniques Autodesk has to offer in this popular software program. Not only will you understand them, but you will have functional experience in applying this learning through the working files that the author has included in this training course."--Resource description page.

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.

A Tutorial Guide to AutoCAD 2014 provides a step-by-step introduction to AutoCAD with commands presented in the context of each tutorial. In fifteen clear and comprehensive chapters, author Shawna Lockhart guides readers through all the important commands and techniques in AutoCAD 2014, from 2D drawing to solid modeling and finally finishing with rendering. In each lesson, the author provides step-by-step instructions with frequent illustrations showing exactly what appears on the AutoCAD screen. Later, individual steps are no longer provided, and readers are asked to apply what they've learned by completing sequences on their own. A carefully developed pedagogy reinforces this cumulative-learning approach and supports readers in becoming skilled AutoCAD users. A Tutorial Guide to AutoCAD 2014 begins with three Getting Started chapters that include information to get readers of all levels prepared for the tutorials. The author includes tips that offer suggestions and warnings as you progress through the tutorials. Key Terms and Key Commands are listed at the end of each chapter to recap important topics and commands learned in each tutorial. Also, a glossary of terms and Commands Summary lists the key commands used in the tutorials. Each chapter concludes with end of chapter problems providing challenges to a range of abilities in mechanical, electrical, and civil engineering as well as architectural problems.

Make AutoCAD your own with powerful personalization options Options for AutoCAD customization are typically the domain of administrators, but savvy users can perform their own customizations to personalize AutoCAD. Until recently, most users never thought to customize the AutoCAD platform to meet their specific needs, instead leaving it to administrators. If you are an AutoCAD user who wants to ramp up personalization options in your favorite software, AutoCAD Platform Customization: User Interface and Beyond is the perfect resource for you. Author Lee Ambrosius is recognized as a leader in AutoCAD platform customization and can help you get the most out of AutoCAD. Establish and manage CAD standards for the drawings you create Control the startup process and settings that define the drawing environment Modify the user interface to display the commands you use most frequently and create new commands Create macros to speed up frequently repeated tasks Define custom shapes, linetypes, and hatch patterns to control the linework in a drawing Use real-world tips and tutorials to reinforce the author's topical discussions A perfect resource for CAD administrators, students, senior drafters, and other CAD enthusiasts, AutoCAD Platform Customization: User Interface and Beyond features in-depth discussions of customization options as well as detailed examples and tutorials. As an eight-year customization and programming session leader with Autodesk University, Lee Ambrosius is uniquely qualified to help users get the most out of software based on the AutoCAD platform. His AutoCAD Platform Customization: User Interface and Beyond is the go-to resource for those who are ready to take their software customization to the next level.

An Autodesk Official Press guide to the powerful mechanical design software Autodesk Inventor has been used to design everything from cars and airplanes to appliances and furniture. This comprehensive guide to Inventor and Inventor LT features real-world workflows and work environments, and is packed with practical tutorials that focus on teaching Inventor tips, tricks, and

techniques. Additionally, you can download datasets to jump in and practice on any exercise. This reference and tutorial explains key interface conventions, capabilities, tools, and techniques, including design concepts and application, parts design, assemblies and subassemblies, weldment design, and the use of Design Accelerators and Design Calculators. There's also detailed coverage of design tactics for large assemblies, effective model design for various industries, strategies for effective data and asset sharing, using 2D and 3D data from other CAD systems, and improving designs by incorporating engineering principles. Uses real-world sample projects so you can quickly grasp the interface, tools, and processes Features detailed documentation on everything from project set up to simple animations and documentation for exploded views, sheet metal flat patterns, plastic part design, and more Covers crucial productivity-boosting tools, iLogic, data exchange, the Frame Generator, Inventor Studio visualization tools, dynamic simulation and stress analysis features, and routed systems features Downloadable datasets let you jump into the step-by-step tutorials anywhere Mastering Autodesk Inventor and Autodesk Inventor LT is the essential, comprehensive training guide for this powerful software.

The present AutoCAD reference guide is, basically, an extension of our teaching, training and working experience in the CAD (Computer Aided Design) field and covers only ~200 commands of AutoCAD. In a productivity war, not only fewer weapons (tools and commands) force us to imbibe the defeat, but more than enough weapons are also suicidal (because we have less time for selection of weapon, too). So a compromising balance has been tried to achieve the optimum. The available average good books on AutoCAD are horribly containing 2-3 thousands of pages for main text, with dozens of pages, only for their contents. All these mess is full of unnecessary details of even very simpler commands, which user can easily learn intuitively. Even after the bulk of pages they skip some really useful commands, which could otherwise boost the productivity of end user. While this reference guide is intended to provide a compact guide of AutoCAD to a wide range of working CAD professionals and students, ranging from engineering streams (architectural, civil, mechanical, electrical, etc.) to non-technical streams. We are relying heavily on the AutoCAD's user friendly interface while writing the reference guide, as after entering the command alias in AutoCAD, it, itself, tells 'n asks for minimum 'n necessary details through command line. So, practically, there is no need of written procedural details. As this reference guide book is complimentary with the 'AutoCAD-Advanced' and 'AutoCAD-Professional' courses of '4Dimensions', most commands given in this guide need at least one time lab training on real projects by an experienced tutor/professional. Each command, once mastered, doesn't need the whole procedure to be remembered exactly (as different versions may have different procedures). Content Development Team 4 Dimensions

Provides exercises and tutorials to teach new users the features and functions of Autodesk Revit, covering such topics as configuring templates and standards, analyzing designs for sustainability, utilizing advanced modeling for design, and using Revit in the cloud.

Residential Design Using AutoCAD 2014 is an introductory level tutorial which uses residential design exercises as the means to teach you AutoCAD 2014. Each book comes with a DVD containing numerous video presentations in which the author shows and explains the many tools and techniques used in AutoCAD 2014. 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 an optional section that covers basic hand sketching techniques and concepts intended to increase your ability to sketch design ideas by hand and to think three-dimensionally. The book then proceeds with a basic introduction to AutoCAD 2014. The first three chapters are intended to get you familiar with the user interface and many of the 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 "AutoCAD(r) 2016 Update for AutoCAD(r) 2014 & 2015 Users" training guide teaches the new and enhanced features introduced in the AutoCAD(r) 2015 and 2016 software. Topics covered range from general improvements and command enhancements to 3D modeling and collaboration enhancements. Among the many changes in this new release are the general interface components including: Start Tab, tab and panel enhancements, Autodesk(r) A360 collaboration, and Help. There are several updates to commands, such as dimensions, and various 3D tools, such as Point Clouds, Rendering, and editing previews. Topics covered Interface enhancements Command preview enhancements for the Blend, Erase, Rotate, Scale, and Stretch commands. Dimension enhancements Point Cloud enhancements Rendering enhancements Customization updates in the Cloud Design Feed palette A Exchange enhancements Direct access to A360 (Cloud)

The complete, detailed reference and tutorial for AutoCAD Civil 3D 2014 AutoCAD Civil 3D is the industry-leading civil engineering software, and this authoritative Autodesk Official Press book has been completely updated to offer you the latest tips, tricks, and techniques of this dynamic engineering program. Packed with new, real-world examples and practical tutorials, this book takes advantage of the authors' extensive experience and Civil 3D expertise, which allows them to share best practices and methods for creating, editing, displaying, labeling and presenting real-world civil engineering projects. Features a new, expanded section on advanced survey tools Offers in-depth, detailed coverage of surveying, points, alignments, surfaces, profiles, corridors, grading, LandXML and LDT Project Transfer, cross sections, pipe networks, visualization, sheets, and project management Includes valuable content to help prepare you for the Civil 3D certification exams as well as downloadable datasets Shares the most up-to-date topics and techniques of the real world to help prepare you for what you can expect This comprehensive reference and tutorial is essential reading for gaining a thorough understanding of the key concepts of this engineering software.

This fundamentals text introduces you to Autodesk's AutoCAD Architecture 2014 software. The book covers the Layer Manager, Design Center, Structural Members, Doors, Windows, and Walls. Step-by-step lessons take the reader from creation of a site plan, floor plan, and space planning, all the way through to the finished building - a standard three bedroom, two bathroom residence. By the end of the text, you should feel comfortable enough to create a standard model, and even know how to customize the interface for your own use. This text provides you with in-depth coverage of toolbars, dialog boxes and commands. Educators will appreciate the quizzes and practice exam included in the text.

Focused around a hotel suite project, AutoCAD 2015 for the Interior Designer provides the Interior Design student with a non-intimidating, tutorial based, approach to learning the AutoCAD program. It accomplishes this by taking students that have no computer design experience from simple commands to complete projects in this single-semester sized text. This well organized and progressive approach to learning AutoCAD sets this text apart from others. To support all users, this book now covers AutoCAD for both Macs and PCs. The emphasis of this book is on easy to understand descriptions and

instructions, allowing the non-technical, artistic, visual learning Interior Design student to quickly get past the fear of using the computer to produce drawings. The focus is entirely on the use of AutoCAD for the Interior Design field and not simply architectural drawings. Chapters alternate between command descriptions, which are organized by a command set category, and tutorials. This allows students to easily refer back to command descriptions without hunting through a tutorial that introduces commands as it progresses. The emphasis is on the practical use of commands using the AutoCAD ribbon workspace, rather than the multiple (and seldom used) command options. Multiple tutorials of the hotel suite, which includes floor plan, elevation views, dimensioning, and plotting, provide a practical application of the commands learned in the preceding chapters. Completely dimensioned drawings are provided at the beginning of each tutorial so that the advanced student, or an instructor led class, can complete them without going through the step-by-step process. This textbook is classroom proven and relevant interior design homework problems are provided. After completing this book, the student will be able to create all their 2-D Interior Design work using AutoCAD.

The intent of this book is to provide the interior design student a well-rounded knowledge of Autodesk Revit tools and techniques. These skills can then be applied to enhance professional development in both academia and industry. The overall premise of the book is to learn Revit while developing the interior of a two story law office. The reader is provided an architectural model with established columns, beams, exterior walls, minimal interior walls and roofs in which to work. This allows more emphasis to be placed on interior design rather than primary architectural elements. The chapters chronology generally follows the typical design process. Students will find this book helps them more accurately and efficiently develop their design ideas and skills. The first chapter introduces the reader to Revit, Building Information Modeling (BIM) and the basics of opening, saving and creating a new project. The second provides a quick introduction to modeling basic elements in Revit including walls, doors, windows and more. This chapter is designed to show students how powerful Revit is and hopefully make them more excited about learning it. The remainder of the book is spent developing the interior space of the law office with an established space program. A student will learn how to view and navigate within the provided 3D architectural model, managing and creating materials and develop spaces with walls, doors and windows. Once all the spaces are added to the model, several areas are explored and used as the basis to cover Revit commands and workflows. At the end of this tutorial, the reader will be able to model floor finishes, ceilings with soffits, casework, custom reception desk, restrooms, furniture and light fixtures. Additional features such as tags, schedules and photo-realistic rendering will be covered. Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. An instruction-based guide with examples written in the C# programming language. VB.NET programmers can also take advantage of these examples by using one of the free conversion websites to convert the examples to VB.NET. Clear, step-by-step instructions and complete code examples illustrate the processes, making it easy to develop your own custom AutoCAD tools. This book is perfect if you are interested in customizing AutoCAD 2014 using the .NET API. You should have a basic familiarity with programming. Prior experience of customizing AutoCAD is helpful, but not required (as is a basic understanding of AutoCAD commands). If you have AutoCAD customization experience with another API, such as Lisp or VBA, you may find the examples in this book helpful when learning the .NET API. You should also have a basic familiarity with Microsoft Visual Studio 2010 (the Express editions are fine).

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.

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.

The primary goal of AutoCAD 2014 Tutorial - First Level: 2D Fundamentals is to introduce the aspects of Computer Aided Design and Drafting (CADD). This text is intended to be used as a training guide for students and professionals. This text covers AutoCAD 2014 and the lessons proceed in a pedagogical fashion to guide you from constructing basic shapes to making multiview drawings. The lessons are further reinforced by the video presentations found on the enclosed multimedia disc. This textbook contains a series of eleven tutorial style lessons designed to introduce beginning CAD users to AutoCAD 2014. It takes a hands-on, exercise-intensive approach to all the important 2D CAD techniques and concepts. This text is also helpful to AutoCAD users upgrading from a previous release of the software. The new improvements and key enhancements of the software are incorporated into the lessons. The 2D-CAD techniques and concepts discussed in this text are also designed to serve as the foundation to the more advanced parametric feature-based CAD packages such as Autodesk Inventor. The basic premise of this book is that the more designs you create using AutoCAD 2014, the better you learn the software. With this in mind, each lesson introduces a new set of commands and concepts, building on previous lessons. This book is intended to help readers establish a good basis for exploring and growing in the exciting field of Computer Aided Engineering.

The ultimate reference and tutorial for AutoCAD software This Autodesk Official Press book helps you become an AutoCAD and AutoCAD LT expert and has been fully updated to cover all of AutoCAD's new capabilities. Featuring the popular, empowering presentation style of veteran award-winning author George Omura, this indispensable resource teaches AutoCAD essentials using concise explanations, focused examples, step-by-step instructions, and hands-on projects. Introduces you to the basics of the interface and drafting tools Details how to effectively use hatches, fields, and tables Covers attributes, dynamic blocks, curves, and geometric constraints Explores 3D modeling and imaging Discusses customization and integration Helps you prepare for the AutoCAD certification exams Features a website that includes all the project files necessary for the tutorials This detailed reference and tutorial is the perfect resource for becoming proficient with AutoCAD or AutoCAD LT.

Redshift is a high-performance production-quality renderer that supports biased rendering techniques for incredibly fast noise-free renders. With Redshift, you can get the rendering performance of a small render farm from your existing workstation, saving you time and money, and unleashing your creative potential. This guide provides information on setting up and using Redshift. In addition to documenting the various features and settings of Redshift, this guide provides important tips to help you get the most out of Redshift – including helping you choose the most appropriate global illumination techniques to use for a given scene and how to troubleshoot problems like splotches or flickering during animations. To navigate this guide, simply pick a topic from the Table of Contents on the left. You can also search for a specific keyword using the search box located in the top-right corner of every page.

