

Geomatics Course Catalog

Course Title	Course Description	Duration (Days)
AutoCAD 2009 Intermediate	<p>This course is designed for the experienced AutoCAD® user who requires additional training. It incorporates the features, commands, and techniques for becoming more productive when creating, annotating, and printing drawings with AutoCAD 2009.</p> <p>This intermediate-level course continues to build on the basic concepts of the AutoCAD 2009 Essentials course.</p> <p>Hands-on exercises throughout the course explore how to create 2D production drawings. The exercises are provided in both a printed format as well as an onscreen format that can be viewed next to AutoCAD.</p> <p><i>Objectives:</i></p> <p><i>The primary objectives of this courseware are:</i></p> <ul style="list-style-type: none"> • <i>To teach students powerful tools and techniques for drawing, dimensioning, and printing 2D drawings.</i> • <i>To enable students to reuse content that has been previously created, and extract information from their drawings.</i> <p><i>With an understanding of these tools, students can begin to streamline the design process and become more productive with AutoCAD 2009.</i></p> <p><i>Pre-requisite:</i></p> <ul style="list-style-type: none"> • <i>The current or a previous release of AutoCAD.</i> • <i>Creating and editing basic AutoCAD objects.</i> <p><i>Course Outline:</i></p> <ul style="list-style-type: none"> • Chapter 1: Drawing Objects <ul style="list-style-type: none"> • Creating and Editing Multilines • Creating Revision Clouds • Wipeout Objects • Boundaries • Regions • Chapter2: Manipulating Objects and Data <ul style="list-style-type: none"> • Selecting Objects with Quick Select • Purging Objects • Working with Point Objects • Dividing and Measuring Objects • Using QuickCalc for Performing Calculations • Chapter 3: Commands Template Drawing Creation <ul style="list-style-type: none"> • Creating Drawing Templates • Chapter 4: Dimensioning and Annotation <ul style="list-style-type: none"> • Introduction to Annotation Scaling • Controlling Annotation Scale • Working with Text • Using Multileaders 	3

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	<ul style="list-style-type: none"> • Dimensioning • Creating Center Marks • Creating Ordinate Dimensions • Creating Geometric Dimensions and Tolerances • Working with Dimension Substyles and Overrides • Chapter 5: Reusable Content <ul style="list-style-type: none"> • Using DesignCenter™ • Creating Custom Tool Palettes • Organizing Tool Palettes • Sharing Tool Palettes • Using External References • Managing External References • Referencing Non-Native File Types • Chapter 6: Blocks and Attributes <ul style="list-style-type: none"> • Working with Blocks • Creating Attributes • Editing Attributes • Chapter 7: Dynamic Blocks <ul style="list-style-type: none"> ▪ Using Dynamic Blocks ▪ Adding Parameters to Dynamic Blocks ▪ Adding Actions to Dynamic Blocks ▪ Using Parameter Sets ▪ Creating Dynamic Blocks • Chapter 8: Layer Management and Best Practices <ul style="list-style-type: none"> ▪ Working with Layer Filters ▪ Using the Layer States Manager • Using Layer Standards • Chapter 9: Layouts and Views <ul style="list-style-type: none"> • Creating Layouts • Modifying Layouts and Using Page Setups • Creating Layout Viewports • Working with Layout Viewports • Controlling Object Visibility in Layout Viewports • Chapter 10: Plotting <ul style="list-style-type: none"> • Working with Plotter Configuration Files • Creating and Applying Plot Style Tables • Publishing Drawings • Chapter 11: Introduction to Sheet Sets <ul style="list-style-type: none"> • Creating Sheet Sets • Working with Sheet Sets • Setting Sheet Set Properties • Using Fields in Sheet Sets • Using Attributes in Sheet Sets • Publishing, Transmitting, and Archiving Sheet Sets 	

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	<ul style="list-style-type: none">• Chapter 12: Working with Tables<ul style="list-style-type: none">• Working with Table Styles• Creating and Editing Tables• Creating Advanced Tables• Extracting Attributes to Tables• Exporting and Importing Tables• Creating Tables Linked to External Data	