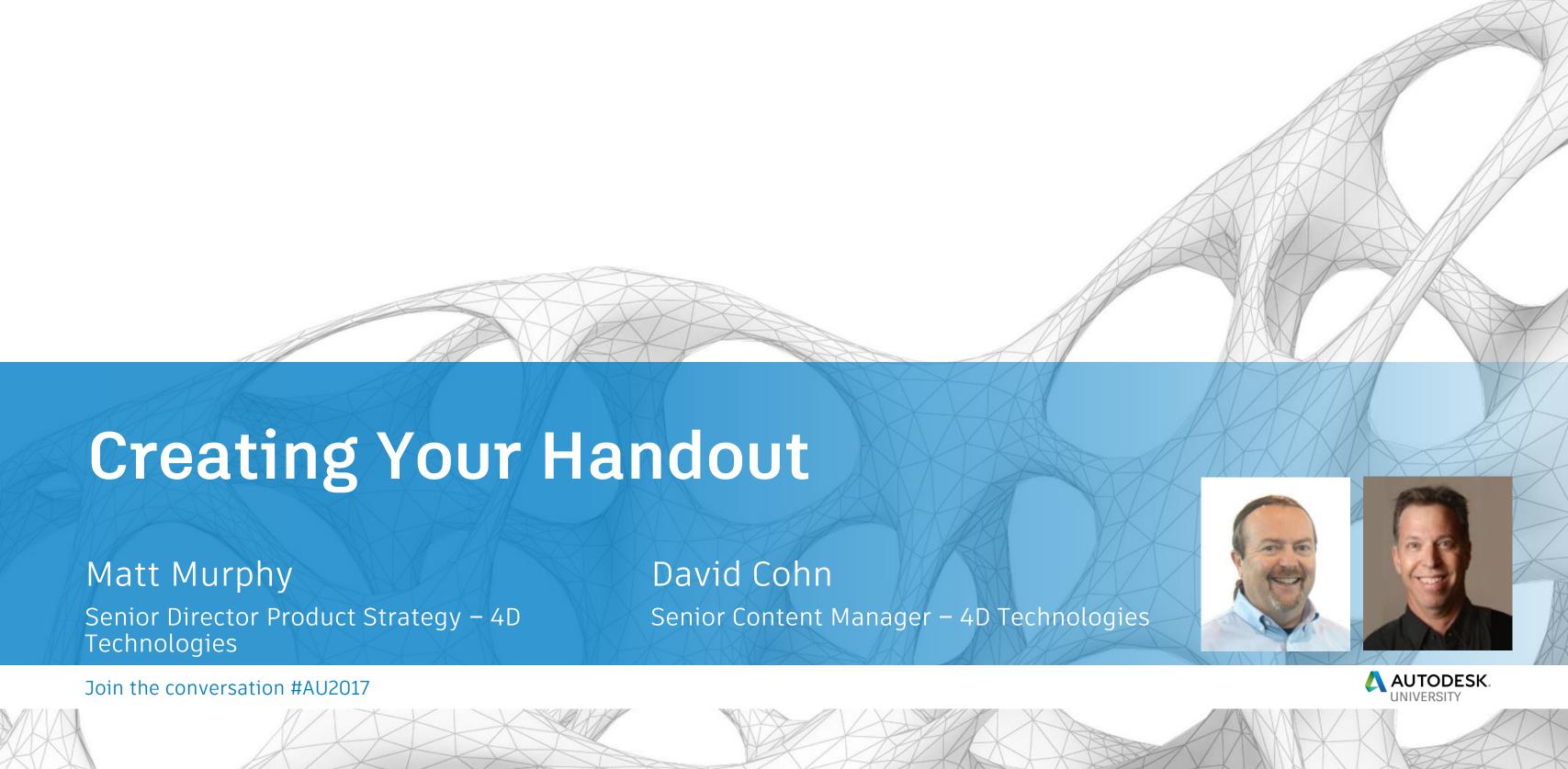


Goals of Speaker Readiness

- Improve the AU Experience
 - Initiative of the AU Advisory Council and AU Speaker Team
 - Building a Community
- Updates
 - Schedule of Readiness Webinars
 - Slack Channels Questions and Conversation
 - 1-on-1 Mentorship Milestones with Critique
 - Office Hours





Our goals today

- To share our combined 47 years of AU presentation experience with you.
- To help you plan your handout.
- To help you gather your materials.
- To help you develop a great handout.
- To boost your confidence so you'll kill it at AU 2017!



Matt Murphy (24 AU's/120+ classes)



David Cohn (23 AU's/90+ classes)

Agenda

- Organizing your thoughts
- Write like it's important
- Step-by-step vs. general explanations
- Capturing quality images
- Placing images in your handout
- Formatting your handout
- Proofing







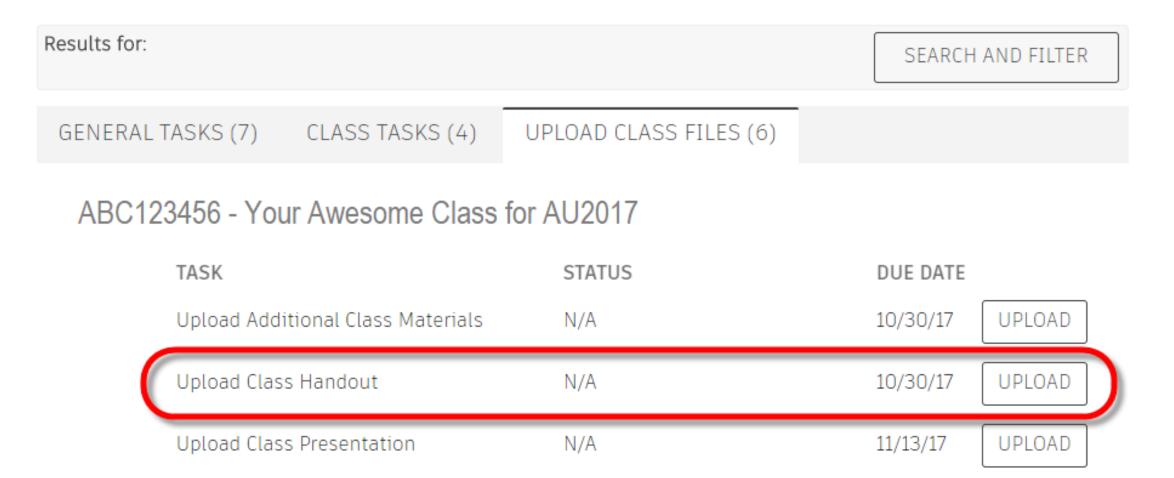
"I love deadlines. I love the whooshing noise they make as they go by."

-Douglas Adams

Deadlines

My Tasks

Return to My Classes







"The scariest moment is always just before you start."

-Stephen King

Organizing your thoughts

- Use the materials you developed while planning your course
- Base your handout on your stated learning objectives
- Develop your handout <u>IN PARALLEL WITH</u> your PowerPoint presentation
- Include bonus materials IN ADDITION TO your base materials
 - As tips & tricks
 - As an appendix
 - As additional exercises (for hands-on labs)





Don't just capture your PowerPoint presentation slides

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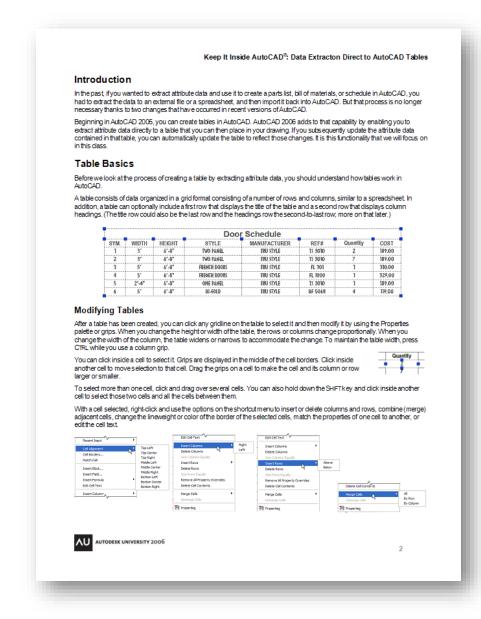


Don't just capture your PowerPoint presentation slides

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- Don't just capture your PowerPoint presentation slides
 - Write a document that reinforces what you will teach in class





- Don't just capture your PowerPoint presentation slides
 - Write a document that reinforces what you will teach in class
 - Your handout is also for use by your students before and after your class



 If you are explaining a complicated procedure, or you are teaching a hands-on lab...



- If you are explaining a complicated procedure, or you are teaching a hands-on lab...
 - Provide a step-by-step explanation (like a Help file

In this example, the various utilities (gas, water, sewer, etc.) for a large building site are each drawn on their own layer. Using the Data Extraction wizard, you can create a table that extracts those pipe lengths and then combines them with cost data maintained in an Excel spreadsheet.

To create a link to cost data stored in an Excel spreadsheet:

2 1 + KI ()

- 1. Open the drawing in which you want to create the table.
- 2. From the tools menu, choose Data Links > Data Link Manager.
- In the Data Link Manager <u>dialog</u> box, under Excel links, click Create a New Data Link.
- In the Enter Data Link Name dialog box, enter the name you want to use to identify the data link (such as cost data) and click OK.
- In the New Excel Data Link dialog box, click the Browse button, navigate to the folder containing the spreadsheet you want to link (in this case, cost_estimate.xls), and click Open.
- Ensure that the Link Entire Sheet option is selected, then click OK.
- Verify that cost_data is selected in the Data Link Manager dialog box, then click OK.
- Save your drawing. You have just created and saved a dynamic link to the cost estimate spreadsheet.



- If you are explaining a complicated procedure, or you are teaching a hands-on lab...
 - Provide a step-by-step explanation (like a Help file entry)
- But for less complex operations...



- If you are explaining a complicated procedure, or you are teaching a hands-on lab...
 - Provide a step-by-step explanation (like a Help file entry)
- But for less complex operations...
 - Table Styles

The appearance of the table is controlled by its table style, similar to the way a text style controls the appearance of text. You can use the default STANDARD table style or create your own table styles.

The tools for creating and modifying table styles have changed significantly in AutoCAD 2008. When you create a new table style, you can specify a starting table. A starting table is a table in your drawing that is used as an example for formatting the new table style. Once a table is selected, you can specify the structure and contents to copy from that table to the new table style.

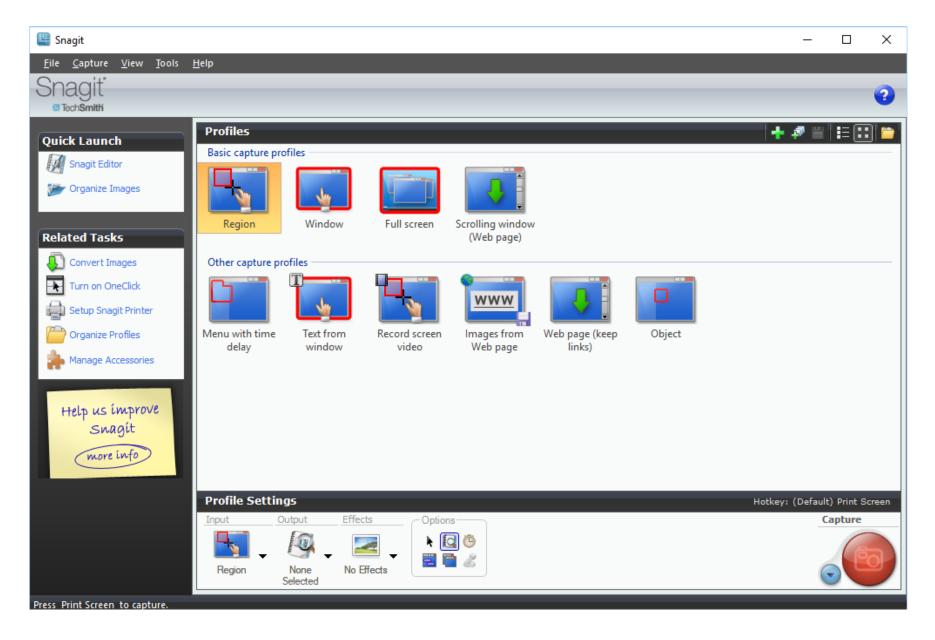
In addition to table styles, cell styles can now be created and applied to a table style upon insertion of a new table. A table style can specify different cell styles in each type of row to display a different justification and appearance for the text and gridlines. For example, the STANDARD table style contains a cell style consisting of merged cells with text that is centered. This cell style, named Title, can be specified as the first row cell of the table. This creates a title row at the top of the new table.

The table can read from top to bottom (down) or from bottom to top (up).



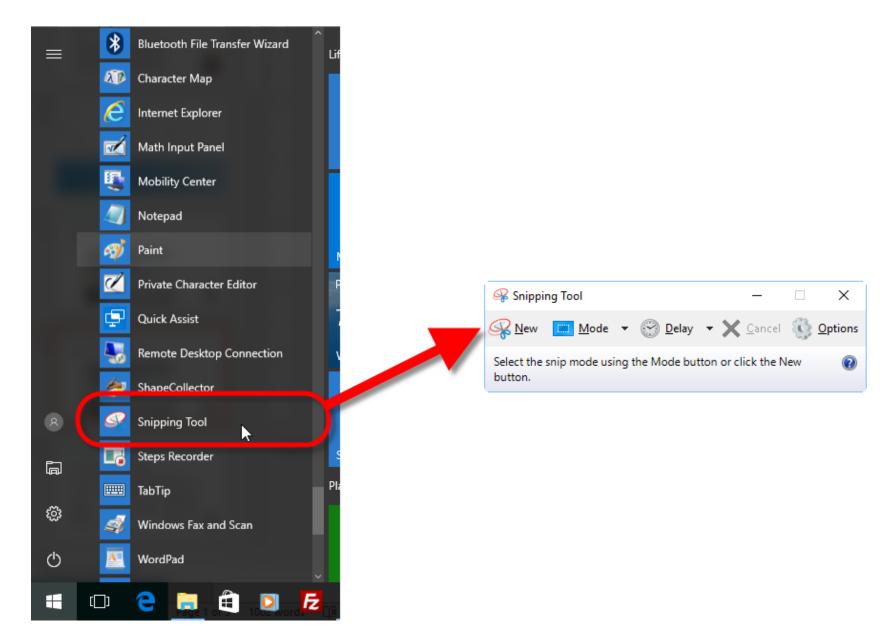


- Use a decent program to capture images
 - SnagIt



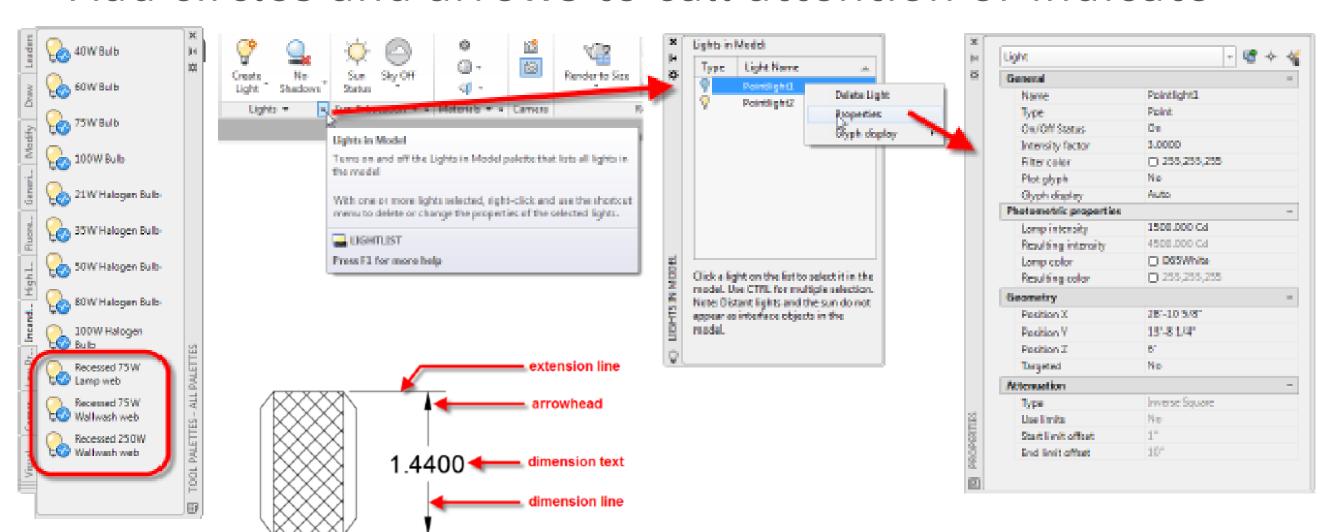


- Use a decent program to capture images
 - Windows Snipping Tool



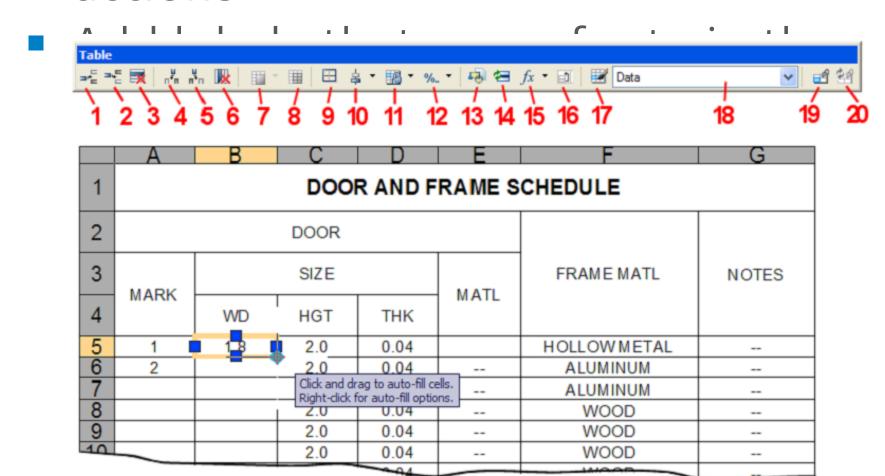


- Use a decent program to capture images
 - Don't be afraid to modify captured images
 - Add circles and arrows to call attention or indicate





- Use a decent program to capture images
 - Don't be afraid to modify captured images
 - Add circles and arrows to call attention or indicate actions



itten text



- Don't be afraid to modify captured images (continued)
 - Merging multiple captures to create a single image (for example, multiple ToolTips added to a single

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- Don't be afraid to modify captured images (continued)
 - Merging multiple captures to create a single image (for example, multiple ToolTips added to a single

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- Don't be afraid to modify captured images (continued)
 - Merging multiple captures to create a single image (for example, multiple ToolTips added to a single

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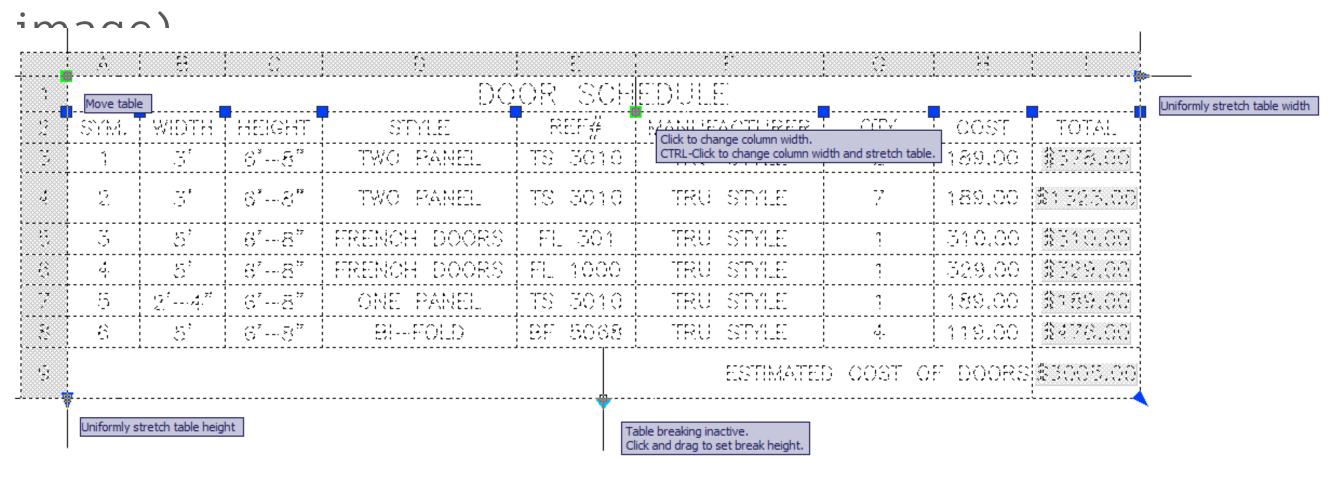


- Don't be afraid to modify captured images (continued)
 - Merging multiple captures to create a single image (for example, multiple ToolTips added to a single

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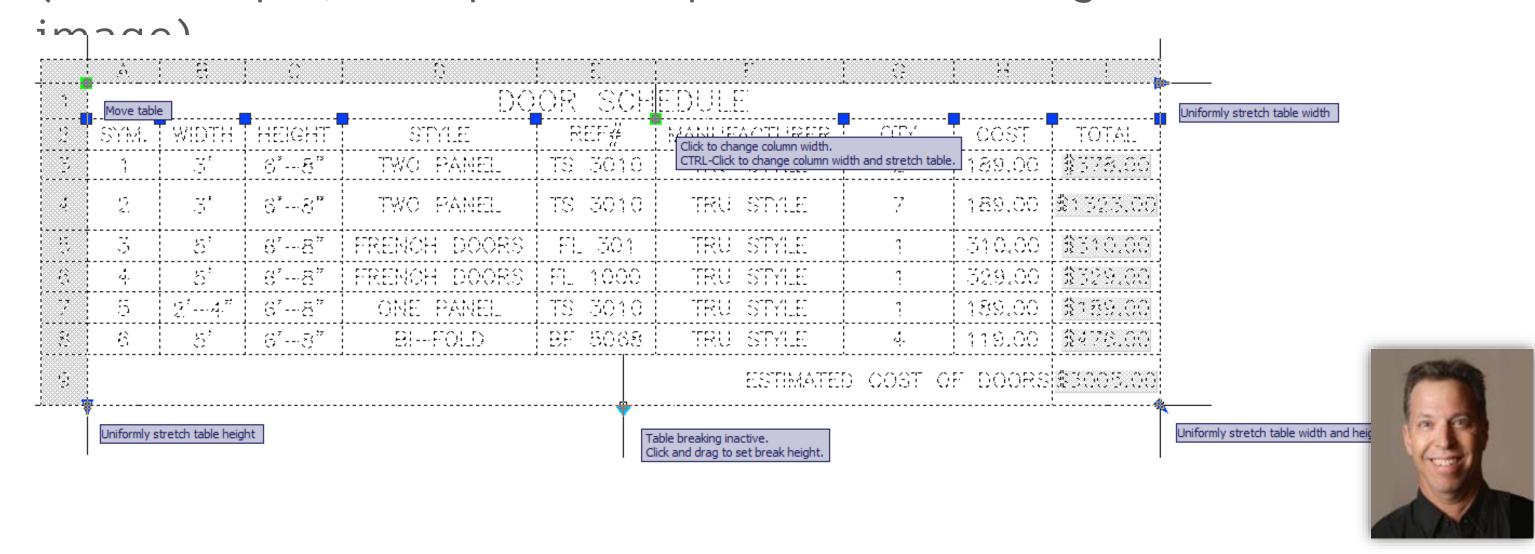


- Don't be afraid to modify captured images (continued)
 - Merging multiple captures to create a single image (for example, multiple ToolTips added to a single

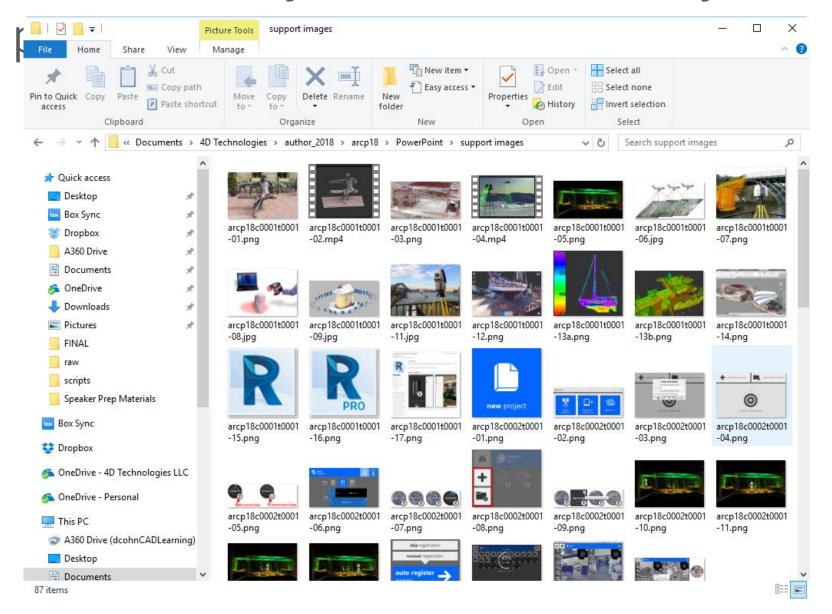




- Don't be afraid to modify captured images (continued)
 - Merging multiple captures to create a single image (for example, multiple ToolTips added to a single

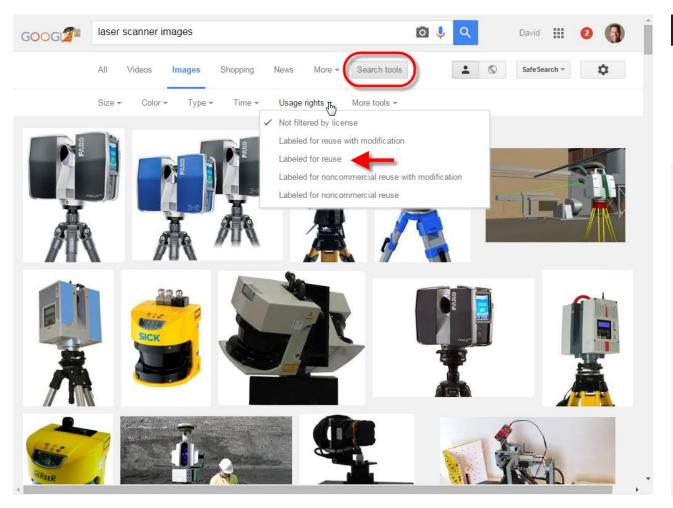


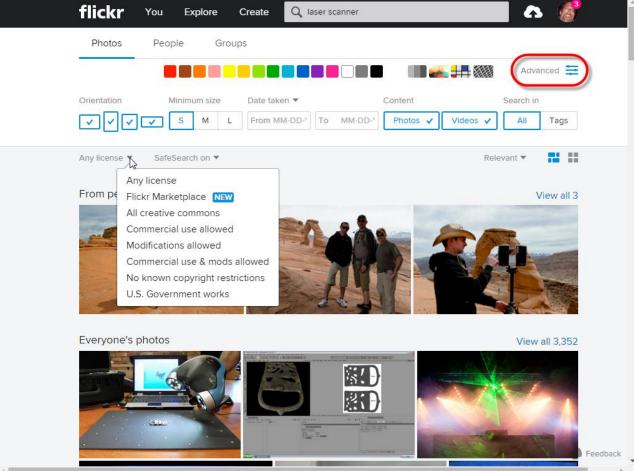
- Save each captured image for reuse later
 - Use in both your handout and your PowerPoint





- For images you find online
 - Make sure you have the right to use them









Placing images in your handout

- Place images in logical locations in the handout
 - Images should reinforce/enhance your text
 - You can use several techniques to control the placement of images and the flow of text



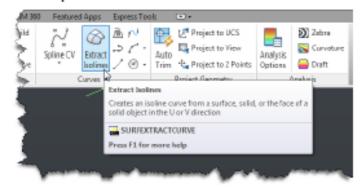


Placing images in your handout

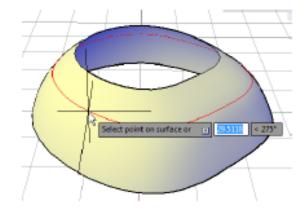
- Place images in logical locations in the handout
 - Large images should appear after a paragraph break

Extract Isolines

The Extract Isolines tool enables you to quickly create curves directly on surfaces and 3D solids so that you can then use those curves to create other objects. This tool is located on the **Surface** ribbon, in the **Curves** panel.



When you select this tool, AutoCAD prompts you to select a surface, solid, or face. If you click to select a surface, AutoCAD is immediately ready to place an isoline on that surface, and you can simply click to place it. Note that you can also use the direction option to change the direction of the isoline.





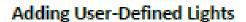
Placing images in your handout

- Place images in logical locations in the handout
 - Large images should appear after a paragraph break
 - Medium-size images can have wrap-around text

Photometric Lighting

When you add user-defined lights to a model or enable sunlight, you will use photometric lighting, which uses light energy values that enable you to define lights more accurately, as they would be in the real world. You can create lights with various distribution and color characteristics, or import specific photometric files available from lighting manufacturers.

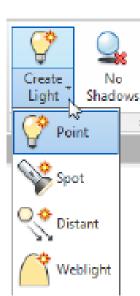
When using photometric lighting, the light energy values can be measured using American lighting units (foot-candles) or International lighting units (lux).



When you add user-defined lights to a model, you can choose the type of light by selecting from the Create Light split button. You can use this tool to create point lights, spot lights, distant lights, and web lights. Whichever type you used last floats to the top of this split button.

When placing user-defined lights, options enable you to control parameters such as its name, intensity, status, photometry, shadow, attenuation, and color. In AutoCAD 2016, shadows are always rendered regardless of the Shadow option. It is often easier to accept the defaults and change these later using the Properties palette.

When placing lights, it is useful to have Dynamic Input enabled so that you can position the light in the XY-plane and then specify its Z-coordinate.

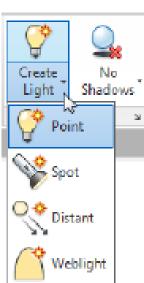


International lighting units:

Generic lighting units

American lighting units

International lighting units





Placing images in your handout

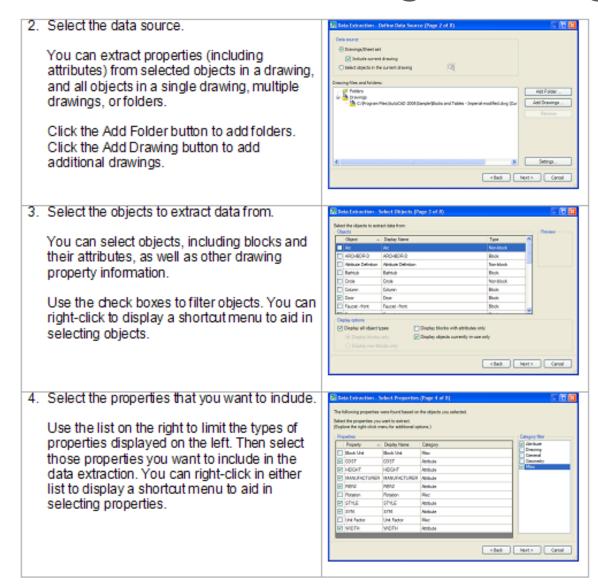
- Place images in logical locations in the handout
 - Large images should appear after a paragraph break
 - Medium-size images can have wrap-around text
 - Small images can be in-line with the text

The Navigator Pane lets you locate 2D and 3D sheets and things related to them, such as markups, published or saved views, animations, cross sections, layers, and properties. Each palette in the Navigator Pane can be collapsed (), expanded (), resized (by dragging the palette's title bar when a double-arrow ‡ appears), maximized (), or hidden (). You can make all open palettes the same height () or collapse all of the palettes (). The entire Navigator Pane can also be hidden. Design Review's palettes are dynamic, that is the layout of the palettes in the Navigator Pane changes automatically depending upon tool selection. For example, when you select the Cross Section tool the Navigator Pane is reconfigured, displaying the Contents and Cross Sections palettes. You can also click the Navigator Pane Options button () to select a predefined Navigator Pane layout, save your current layout as a defined layout, or to restore the layout defaults.



Placing images in your handout

- Place images in logical locations in the handout (another approach)
 - Place text and images using tables



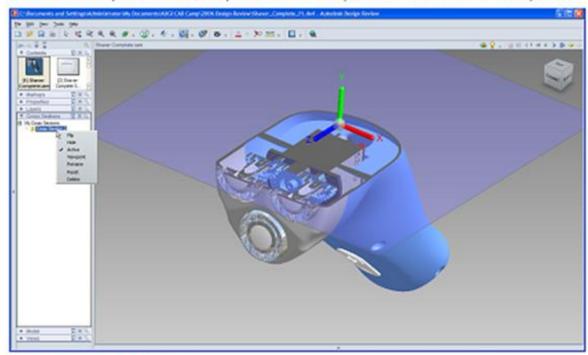


Formatting images

- Don't be afraid the change the size of your image
 - Reduce the size of large images

Creating Cross Sections

You can also create cross sections by cutting through the model with a section plane. You can then manipulate the view by moving or rotating the section plane. Design Review lets you create section planes aligned with any of the three axial pairs or aligned with a surface. Each section plane you create is added to the Cross Sections palette, and all of the sections are initially active—in other words, the model appears to be cut by all of the planes. You can then use controls in the Cross Section palette to flip any of the planes, hide them so that you don't see the plane itself, or make any of the planes active or inactive. When inactive, the model is no longer shown cut by that particular plane. You can also reorient the model so that it is viewed normal to a section plane, reset a section plane to its original position, or delete a section plane. Section planes are initially numbered in the which they were created, but you can rename the planes within the Cross Sections palette.



Drawing Version Compare

You can now compare 2D DWF files and vector content to understand what has changed between versions. To do so, you open one DWF file and then select Tools > Compare to open the Compare dialog. Browse to select the DWF file you want to use for comparison and then select the sheet you wish to compare to the sheet currently in the canvas.



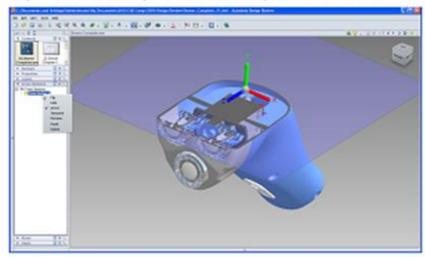


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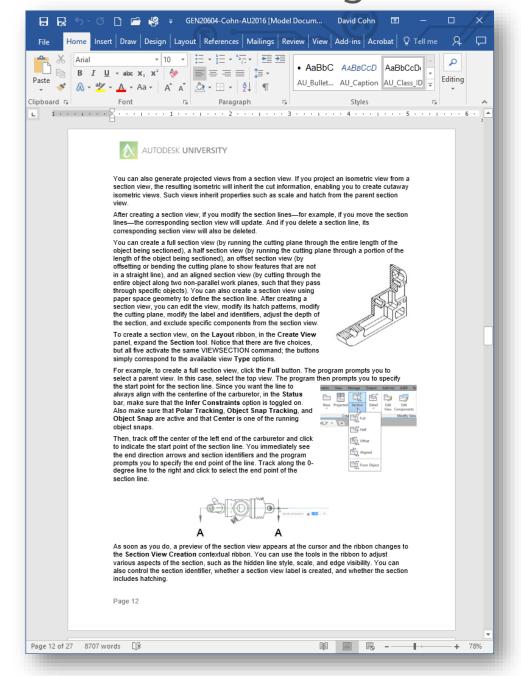
Note that this new compare function may sometimes produce unexpected results. For example, Design Review will identify all differences between two DWF files regardless of whether those differences were made intentionally by the reviewer or unintentionally by an anomaly in a publishing program. Design Review is also unable to compare vector (shape) and raster (pixel) content, a common publishing error that occurs when a 2D DWF file is published from a 3D model space.

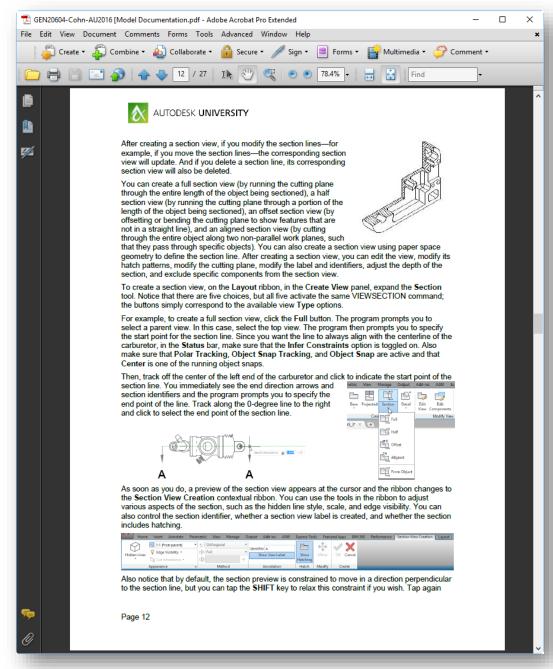






- Export the PDF and then check it against the Word doc
 - Did stuff change or move? Fix it NOW!

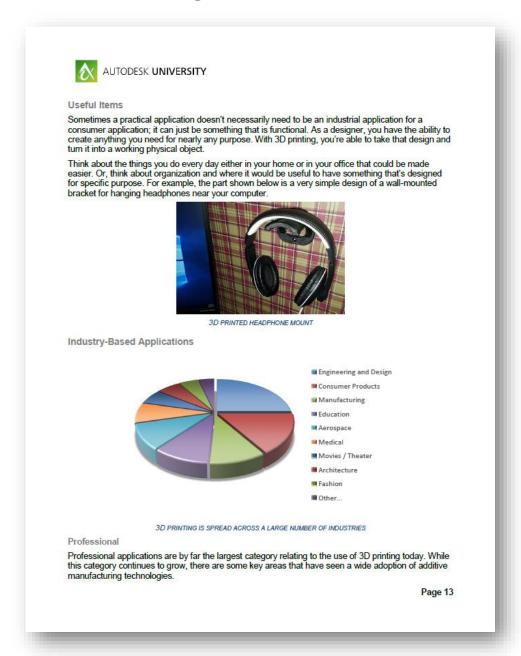


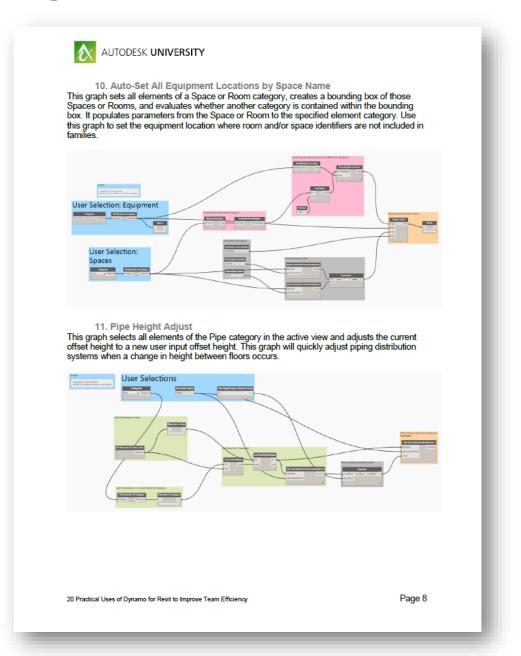






- Look at the overall image of your pages
 - Are they pleasant-looking or cluttered?

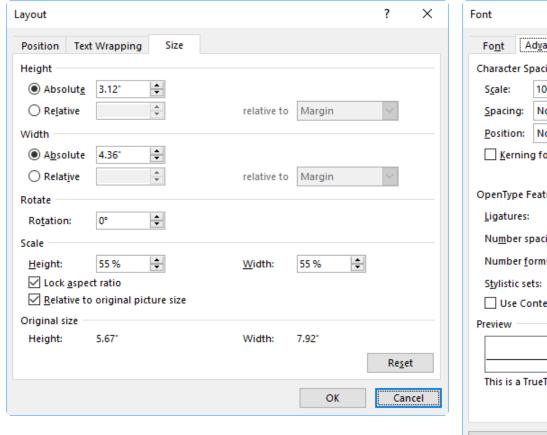




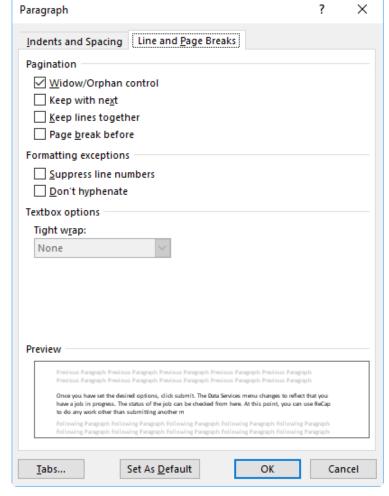




- Look at the overall image of your pages
 - Are they pleasant-looking or cluttered?
- How many pages
 - Can you do simple things to reduce the number of pages?



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- Look at the overall image of your pages
 - Are they pleasant-looking or cluttered?
- How many pages
 - Can you do simple things to reduce the number of pages?
- Print a copy
 - Proof using hardcopy
 - It's difficult to proof efficiently on-screen





- Look at the overall image of your pages
 - Are they pleasant-looking or cluttered?
- How many pages
 - Can you do simple things to reduce the number of pages?
- Print a copy
 - Proof using hardcopy
 - It's difficult to proof efficiently on-screen
- Employ a second set of eyes
 - Have someone else proof your handout (a non-technical person)









"If everything seems under control, you're not going fast enough."

-Mario Andretti

Do's and Don'ts: What to do

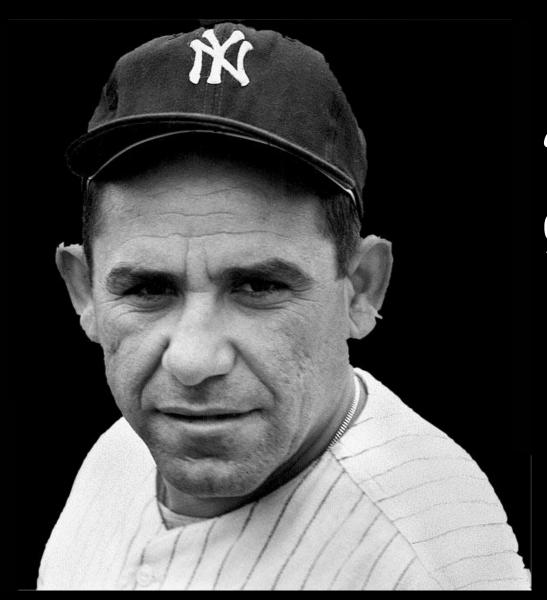
- Do start writing now
- Do base your handout on your stated learning objectives
- Do treat your handout like a book or magazine article
- Do include lots of illustrations
- Do include more than you expect to cover (Present the extra stuff as bonus material)
- Do make it interesting



Do's and Don'ts: What not to do

- Don't procrastinate
- Don't include topics not part of your talk
- Don't plagiarize text or images
- Don't just base your handout on PowerPoint notes
- Don't just copy material from the Help system or a tutorial
- Don't make it too long, too dense, or boring





"If you don't know where you're going, you'll end up somewhere else."

-Yogi Berra

Summary

- Your Handout is Your Body of Work!
 - Spend the time to get it right the rest is easy.
- Write like it's important
 - Step-by-step and narrative
- Capture and format quality images
 - Edit and assemble images
- Format your handout
 - Proof read it again





A\$Q



Speaker Readiness for Development Webinars

- Preparing Your Session Aug 2nd (Recording Available)
 - Robert Green
 - Michelle Rasmussen
- Creating Your Handout Sept 6th (Recording Available)
 - Matt Murphy
 - David Cohn
- Presentation Skills Oct 3rd
 - J.C. Malitzke
 - Jeanne Aarhus

Speaker Readiness for Session Type Webinars

- Industry Talks Aug 28th (Recording Available)
 - Rick Feineis
 - Ramy Hanna
- Instructional Demo Sept 5th (Recording Available)
 - Matt Dillon
 - Paul Munford
- Hands-on Lab Sept 7th
 - J.C. Malitzke
 - David Butts
- Panel Sept 8th
 - Jim Balding
 - Rick Ellis

Speaker Readiness - Slack

- General Design
 - Craig Black
 - Tracy Chadwick
- Building Construction
 - Shaun Bryant
 - Donnia Tabor-Hanson
- Manufacturing
 - Thom Tremblay
 - James O'Flaherty
- Civil Infrastructure
 - KaDe King
 - Shawn Herring

- Design Visualization
 - Steve Schain
 - Glen Whelden



Make anything.

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