

# ARTC 1402 Digital Imaging I

**Class Outline/Calendar** (Based upon lessons in CS 5 book; lesson numbers vary in other versions of the book.)

Weeks	Outline—Lecture Demonstration Topics	Student Activities
<b>Unit 1 Week 1</b> Days 1 to 2 Intro	<p><b>Overview of course:</b> Syllabus, course outline, student information sheets and introductions. Software, equipment. Review OS X Interface &amp; ACC Lab Setup. Set up student folders.</p> <p><b>Getting Started Overview.</b></p> <p><b>Lesson 1 CS 5: Getting to Know the Photoshop Work Area</b>  <b>Topics:</b> Tool Panel, Options, Shortcuts; Working with Panels (Panels-grouping, moving, expanding, options); Foreground/ Background; Zoom; Reset Default Preferences; Intro Mini Bridge; HELP menu.</p> <p><b>Additional:</b> Views, Zoom with hand vs. magnifier, Navigator</p> <p><b>Graphics File Formats.</b> Contact sheets.</p>	<p><b>Lesson 1 CIB</b></p> <p><b>Practice:</b> <i>File Formats Native, JPEG, Tiff, other; Contact Sheet</i></p>
<b>Week 1</b> Day 2	<b>Quiz 1</b> Photoshop Interface, Navigation and File Formats	<b>Quiz 1</b>
<b>Unit 2 Week 2</b> Days 3 to 4 Image Size Editing	<p><b>Lesson 2 CS 5: Basic Photo Correction</b>  <b>Topics:</b> Color RGB vs. CMYK; Resolution Monitor &amp; Image Size (Pixel Size and Image View); Camera Raw Adjustments; Crop/Straighten Canvas Size; Dodge, Sponge; Unsharp Mask; <b>Clone Source</b> Panel; Spot Healing Brush &amp; Healing Brush; Unsharp Mask.</p> <p><b>Additional:</b> Image size vs Document size. Smart Sharpen; <b>Adjust Canvas Size; Adjustment Panel-Layers;</b> Histogram; Levels-Adjust Layer (highlights, mid-tones, and shadows--Removed from CS 5 bk); Healing and Patch Tools.</p>	<p><b>Lesson 2 CIB</b> (Lessons 2&amp;3 CS 3)</p> <p><b>Practices:</b> <i>Image vs Document Size Image Editing-Healing Brush and Patch Tool</i></p> <p><b>Exercise:</b> <i>Edit Images CS 3 CIB book (Opt)</i></p> <p><b>Exercise</b> Editing Scanned Images</p>
<b>Week 2</b> Day 4	<b>Quiz 2</b> Image Size, Editing.	<b>Quiz 2</b>
<b>Unit 3 Week 3</b> Days 5 to 6 Selections and Layers	<p><b>Lesson 3 CS 5: Working with Selections</b>  <b>Topics:</b> Selections: <b>Quick</b> Marquee--rectangle, elliptical, Lasso--freehand, polygonal, magnetic; Color Based--Wand, Quick Selection; Anti-alias and feathering; <b>Refine Edges;</b> Transform, Scale, Moving, and Cropping; Copy/Paste Layers and Layer Styles.</p> <p><b>Lesson 4 CS 5: Layer Basics</b>  <b>Topics:</b> Naming Layers; Viewing; Rearranging; Opacity, Blend Modes; Link Layers; Transform; Auto Align; Gradient Layer; Type Layer; Layer Styles; Combining and Flattening Layers; Layer Comps.</p> <p><b>Additional:</b> Adding/Subtracting from Selections; Intro Saving selections; Color Range; Layer&gt;Matting Defringe; Emphasize <b>Adjustment Layers.</b></p>	<p><b>Lesson 3 CIB</b></p> <p><b>Lesson 4 CIB</b></p> <p><b>Practices:</b> <i>Refine Edge Edges-Opt Layer Comps</i></p> <p><b>Melon Head (EC)</b></p>
<b>Unit 3 Week 3</b> Day 6	<b>Lesson 5 CS 5: Correcting Digital Photos</b> (Extra-Optional) <b>Topics:</b> <i>RAW, Sharpening, Red Eye, Vanishing Point</i>	<b>Lesson 6</b> (Opt/EC)
<b>Unit 3 Week 4</b> Days 7 to 8	<b>Integrating Project 1:</b> Using Selections and Layers to create a character. <i>Images provided or Scan things.</i>	<b>Integrating Project 1</b>
<b>Unit 3 Week 4</b> Day 8 Selections Layers	<b>Integrating I presentations</b> <b>Quiz 3</b> Basic Retouching, Layers, Selections	<b>Quiz 3</b>

<b>Unit 4 Week 5</b> Days 9 to 10 Masks, Channels.	<b>Lesson 6 CS 4: Masks and Channels</b> <b>Topics:</b> Quick Masks; Channels; Saving/loading selections; Naming; Layer Masks ( <b>Pixel Masks on Panel</b> ); <b>Refine Radius; Adjustments Panel; About Masks:</b> Alpha, Layer, Vector, Clipping, Channel. <b>Additional:</b> Clipping Mask; Gradient Masks; <b>Clipping Masks;</b> Filters on Mask; Adding to Mask using selection Option/Alt+Delete (or Backspace.)	<b>Lesson 5</b> <b>Practices:</b> <i>Mask Borders</i> <i>Layer Masks</i> <i>Clipping Masks</i>
<b>Unit 4 Week 6</b> Days 11 to 12	<b>Integrating Project 2:</b> Using masks and images to illustrate a pun. Students acquire images. Discuss Copyright and Attribution.	<b>Integrating Project 2</b>
<b>Unit 4 Week 6</b> Days 12	<b>Integrating 2 presentations</b> <b>Quiz 4</b> Masks	<b>Quiz 4</b>
<b>Unit 5 Week 7</b> Days 13 to 14 Type Vectors/ Pen	<b>Lesson 7 CS 5: Typographic Design</b> (Optional EC) <b>Topics:</b> <b>Guides; Clipping Mask,</b> Layer Style <b>Inner Shadow; Type Tips Kost; Character Panel</b> Size, Style, Tracking, All caps; Rulers and Guides; <b>Paragraph panel;</b> Vertical Type; Formatting type. <b>Lesson 8 CS 5: Vector Drawing Techniques</b> <b>Topics:</b> Bit Map vs. Raster vs. Vector; Path Options; Drawing paths, editing anchors and segments; Naming (saving) vs. <i>Workpaths</i> ; Convert Path to Selections; Vector Shapes (Shape Layer); Add/ Subtract to Paths; Selection vs. Direct Selection Tools; Import Smart Object.	<b>Lesson 7 CIB</b> <b>Practice:</b> <i>Type Formatting</i> <i>Type Effects (opt/EC)</i> <b>Lesson 8 CIB</b>  <b>Practices:</b> <i>Pen as Vector Mask &amp; Selection</i> <i>Vector Shapes</i>
<b>Unit 5 Week 8</b> Day 15 to 16	<b>Integrating Project 3:</b> Use the Pen Tool and Vector Shapes to create a Logo/Monogram.	<b>Integrating Project 3</b>
<b>Unit Week 8</b> Day 16	<b>Integrating 3 Presentations</b> <b>Quiz 5</b> Vectors, pen and type.	<b>Quiz 5</b>
<b>Unit 6 Week 9</b> Day 17	<b>Lesson 9 CS 5: Advanced Layer</b> (Review-May be optional EC) <b>Topics (review):</b> Clipping Shapes; Keyboard shortcuts; Filters; Smart Objects; Rasterizing; Adjustment Layers; Layer Comps; Layer Styles; Merging and Layer Groups: Stamping Layers.	<b>Lesson 9 CIB</b> (Opt)
<b>Unit 6 Week 9</b> Day 17 to 18  Resolution Output to Print and Web.  Web Optimization	<b>Review Image Resolution for Print Output:</b> Halftone theory—LPI vs. Image resolution. <b>Image Basics:</b> Image types: line art, grayscale, color and bit depth. Halftone Screen (LPI frequency. Image resolution for output: print and web. Scaling and proportion <b>Converting Color to Grayscale.</b> <b>Lesson 13 CS 5 Preparing Files for the Web</b> <b>Topics:</b> Intro Links slices and; hypertext links; User and Auto slices; web design workspace; Select Slices; Slice Options	<b>Lesson 13 CIB</b> <b>Read:</b> <i>Image Size</i> by J. Kost  <b>Worksheet:</b> <i>Image Types, and Resolution.</i> <b>Practices:</b> <i>Grayscale Conversion</i> <i>Web Optimization</i>
<b>“Final Project” Week 10</b> Days 19 to 20	<b>Movie Poster/ Web Page Project:</b> Create a movie ad poster that will be A) down-sampled, converted to grayscale for a newspaper ad. B) Reformatted for a web page splash screen using same design elements. There will be intermediate due dates for this project.	<b>Movie Poster Project/ Web page</b>
<b>Week 11</b> Day 21	<b>Movie Project Presentations</b> <b>Quiz 6 Semester Review; Resolution for Output.</b>	<b>Quiz 6 Review</b>

**Unit 7**  
**Week 11**  
Day 22  
Brushes,  
Filters, and  
Special Effects

**Lesson 10 CS 5: Advance Compositing**  
**Topics:** Layer Blending Modes, Type w/Layer styles; Adjustment Layers, Filter Gallery; Smart Filters; Brush Edit; Blend Modes: Loading/Saving selections; Match Color. Brush Presets.  
**Additional:** Art History (opt)  
**Lesson 11 CS 5: Painting with the Mixer Brush (Opt)**  
**Topics:** Selecting, Mixer brush Creating brush preset.

**Lesson 10 CIB**  
**Practices:**  
*Brushes*  
*Blend Modes*  
*Art History Brush (EC)*

**Unit 7**  
**Week 11**  
Day 22

**Integrating Project 4:** Create 4 variations of one image by using blend modes, layer styles (patterns), art filters and painting.  
*("Southwest" Special Effects Exercise opt)*  
**Complete Resource Files/Image Diary.**

**Integrating Project or Exercise** *Special Effects with Southwest.*

**Unit 7**  
**Week 11**  
Day 22

**Integrating 4 Final Presentations**  
**Quiz 7 Special Effects and Painting**

**Quiz 7**

Note: This is a proposed calendar that may change depending upon progress of the class. Practices and Integrating Exercises may be modified, substituted and used at the discretion of the instructor.