

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
Unit 1 Week 1 Days 1 to 2 Intro	<p>Overview of course: Syllabus, course outline, student information sheets and introductions. Software, equipment. Review OS X Interface & ACC Lab Setup. Set up student folders.</p> <p>Getting Started Overview.</p> <p>Lesson 1 CS 5: <i>Getting to Know the Photoshop Work Area</i> Topics: 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>Additional: Views, Zoom with hand vs. magnifier, Navigator</p> <p>Graphics File Formats. Contact sheets.</p>	<p>Lesson 1 CIB</p> <p>Practice: <i>File Formats Native, JPEG, Tiff, other; Contact Sheet</i></p>
Week 2 Day 3	Quiz 1 Photoshop Interface, Navigation and File Formats	Quiz 1
Unit 2 Week 2 Days 3 to 4 Image Size Editing	<p>Lesson 2 CS 5: <i>Basic Photo Correction</i> Topics: Color RGB vs. CMYK; Resolution Monitor & Image Size (Pixel Size and Image View); Camera Raw Adjustments; Crop/Straighten Canvas Size; Dodge, Sponge; Unsharp Mask; Clone Source Panel; Spot Healing Brush & Healing Brush; Unsharp Mask.</p> <p>Additional: Image size vs Document size. Smart Sharpen; Adjust Canvas Size; Adjustment Panel-Layers; Histogram; Levels-Adjust Layer (highlights, mid-tones, and shadows--Removed from CS 5 bk); Healing and Patch Tools.</p>	<p>Lesson 2 CIB (Lessons 2&3 CS 3)</p> <p>Practices: <i>Image vs Document Size Image Editing-Healing Brush and Patch Tool</i></p> <p>Exercise: <i>Edit Images CS 3 CIB book (Opt)</i></p> <p>Exercise Editing Scanned Images</p>
Week 3 Day 5	Quiz 2 Image Size, Editing.	Quiz 2
Unit 3 Week 3 Days 5 to 6 Selections and Layers	<p>Lesson 3 CS 5: <i>Working with Selections</i> Topics: Selections: Quick Marquee--rectangle, elliptical, Lasso--freehand, polygonal, magnetic; Color Based--Wand, Quick Selection; Anti-alias and feathering; Refine Edges; Transform, Scale, Moving, and Cropping; Copy/Paste Layers and Layer Styles.</p> <p>Lesson 4 CS 5: <i>Layer Basics</i> Topics: 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>Additional: Adding/Subtracting from Selections; Intro Saving selections; Color Range; Layer>Matting Defringe; Emphasize Adjustment Layers.</p>	<p>Lesson 3 CIB</p> <p>Lesson 4 CIB</p> <p>Practices: <i>Edges-Opt Refine Edge Layer Comps</i></p> <p>Melon Head (EC)</p>
Unit 3 Week 4 Days 7 to 8	Lesson 5 CS 5: <i>Correcting Digital Photos</i> (Extra-Optional) Topics: RAW, Sharpening, Red Eye, Vanishing Point	Lesson 6 (Opt/EC)
Unit 3 Week 4 Days 7 to 8	Integrating Project 1: Using Selections and Layers to create a character. <i>Images provided or Scan things.</i>	Integrating Project 1
Unit 3 Week 5 Day 9 Selections Layers	Integrating I presentations Quiz 3 Basic Retouching, Layers, Selections	Quiz 3
Unit 4 Weeks 5 to 6 Days 10 to 12 Masks, Channels.	<p>Lesson 6 CS 4: <i>Masks and Channels</i> Topics: Quick Masks; Channels; Saving/loading selections; Naming; Layer Masks (Pixel Masks on Panel); Refine Radius; Adjustments Panel; About Masks: Alpha, Layer, Vector, Clipping, Channel.</p> <p>Additional: Clipping Mask; Gradient Masks; Clipping Masks; Filters on Mask; Adding to Mask using selection Option/Alt+Delete (or Backspace.)</p>	<p>Lesson 5</p> <p>Practices: <i>Mask Borders Layer Masks Clipping Masks</i></p>
Unit 4 Week 7 Days 13 to 15	Integrating Project 2: Using masks and images to illustrate a pun. Students acquire images. Discuss Copyright and Attribution.	Integrating Project 2

Unit 4 Week 8 Days 16	Integrating 2 presentations Quiz 4 Masks	Quiz 4
Midway Unit 5 Week 9 Days 17 to 18 Type Vectors/Pen	Start: Resource/ Image Diary Lesson 7 CS 5: <i>Typographic Design</i> (Optional EC) Topics: Guides; Clipping Mask, Layer Style Inner Shadow; Type Tips Kost; Character Panel Size, Style, Tracking, All caps; Rulers and Guides; Paragraph panel; Vertical Type; Formatting type. Lesson 8 CS 5: <i>Vector Drawing Techniques</i> Topics: 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.	Homework Lesson 7 CIB Practice: <i>Type Formatting</i> <i>Type Effects (opt/EC)</i> Lesson 8 CIB Practices: <i>Pen as Vector Mask & Selection</i> <i>Vector Shapes</i>
Week 10 Day 19 to 20	Integrating Project 3: Use the Pen Tool and Vector Shapes to create a Logo/Monogram.	Integrating Project 3
Week 11 Day 21	Integrating 3 Presentations Quiz 5 Vectors, pen and type.	Quiz 5
Unit 6 Week 11 Day 21	Lesson 9 CS 5: <i>Advanced Layer</i> (Review-May be optional EC) Topics (review): Clipping Shapes; Keyboard shortcuts; Filters; Smart Objects; Rasterizing; Adjustment Layers; Layer Comps; Layer Styles; Merging and Layer Groups; Stamping Layers.	Lesson 9 CIB (Opt)
Unit 6 Weeks 11 to 12 Day 22 to 24 Resolution Output to Print and Web. Web Optimization	Review Image Resolution for Print Output: Halftone theory—LPI vs. Image resolution. Image Basics: Image types: line art, grayscale, color and bit depth. Halftone Screen (LPI frequency. Image resolution for output: print and web. Scaling and proportion Converting Color to Grayscale. Lesson 13 CS 5 <i>Preparing Files for the Web</i> Topics: Intro Links slices and; hypertext links; User and Auto slices; web design workspace; Select Slices; Slice Options	Lesson 13 CIB Read: <i>Image Size</i> by J. Kost Worksheet: <i>Image Types, and Resolution.</i> Practices: <i>Grayscale Conversion</i> <i>Web Optimization</i>
“Final Project” Weeks 13 to 14 Days 25 to 28	Movie Poster/ Web Page Project: 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.	Movie Poster Project/ Web page
Week 15 Day 29	Movie Project Presentations Quiz 6 Semester Review; Resolution for Output.	Quiz 6 Review
Unit 7 Week 15 Days 29 to 30 Brushes, Filters, and Special Effects	Lesson 10 CS 5: <i>Advance Compositing</i> 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: <i>Painting with the Mixer Brush</i> (Opt) Topics: Selecting, Mixer brush Creating brush preset.	Lesson 10 CIB Practices: <i>Brushes</i> <i>Blend Modes</i> <i>Art History Brush (EC)</i>
Unit 7 Week 16 Days 30 to 31	Integrating Project 4: Create 4 variations of one image by using blend modes, layer styles (patterns), art filters and painting. <i>(“Southwest” Special Effects Exercise opt)</i> Complete Resource Files/Image Diary.	Integrating Project or Exercise <i>Special Effects with Southwest.</i>
Unit 7 Week 16 Day 32	Integrating 4 Final Presentations Quiz 7 Special Effects and Painting Resources File Due. End of semester.	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.