ARTC 1402 Digital Imaging I

Class Outline/Calendar (Based upon lessons in CS 4 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	**Overview of course:** Syllabus, course outline, student information sheets and introductions. Software, equipment. Review OS X Interface & ACC Lab Setup. Set up student folders. **Getting Started Overview.** **Lesson 1 CS 4:** *Getting to Know the Photoshop Work Area* **Topics**: Tool Palette, Options, Shortcuts; Working with Panels (Palettes-grouping, moving, expanding, options); Foreground/ Background; Zoom; Reset Default Preferences; Intro Bridge; HELP menu. **Additional:** Navigator, Views, Zoom with hand vs. magnifier. **Graphics File Formats.** Contact sheets.	**Lesson 1** **Practice:** *File Formats Native, JPEG, Tiff, other; Contact Sheet*
Week 2 Day 3	**Quiz 1** Photoshop Interface, Navigation and File Formats	**Quiz 1**
Unit 2 Week 2 Days 3 to 4 Image Size Scan; Editing	**Lesson 2 CS 4:** *Basic Photo Correction* **Topics**: Color RGB vs. CMYK; Resolution Monitor & Image Size (Pixel Size and Image View); Crop/Straighten Canvas Size; Auto vs. Manual; Histogram, Levels using **Adjustment Layers** Panel (Shadows, Gamma, Highlights); Dodge, Sponge; Unsharp Mask; **Clone Source** Panel; Spot Healing Brush & Healing Brush. **Additional:** Image size vs Document size. .	**Lesson 2** (Lessons 2&3 CS 3) **Practices***:* *Image vs Document Size* *Image Editing-Healing Brush and Patch Tool* **Exercise:** *Edit Images CS 3 CIB book* (Opt) **Exercise** Editing Scanned Images
Week 3 Day 5	**Quiz 2** Image Size, Editing**.**	**Quiz 2**
Unit 3 Week 3 Days 5 to 6 Selections and Layers	**Lesson 3 CS 4:** *Working with Selections* **Topics:** Selections: **Quick** Marquee–rectangle, elliptical, Lasso–freehand, polygonal, magnetic; Color Based–Wand, Quick Selection, **Refine Edges;** Anti-alias; Transform, Scale, Moving, and Cropping. **Lesson 4 CS 4:** *Layer Basics* **Topics**: Naming Layers; Copy/Paste; Viewing; Rearranging; Opacity, Blend Modes; Link Layers; Transform; Auto Align; Gradient Layer; Type Layer; Layer Styles; Combining and Flattening Layers; Layer Comps. **Additional:** Introduce Saving Selections; Layer>Matting Defringe; Emphasize **Adjustment Layers**.	**Lesson 3** **Lesson 4** **Practices***:* *Edges-Alias Anti Alias* *Layer Comps* ***Melon Head*** *(EC)*
Week 4 Days 7 to 8	**Integrating Project 1:** Using Selections and Layers to create a character. *Images provided or Scan things.*	**Integrating Project 1**
Week 5 Day 9 Selections Layers	**Integrating I presentations** **Quiz 3** Layers, Selections	**Quiz 3**
Unit 4 Weeks 5 to 6 Days 10 to 12 Masks, Channels.	**Lesson 5 CS 4:** *Masks and Channels* **Topics:** Painting Editing Quick Masks; Channels; Saving/loading selections; Alpha Channel Masks; Naming; Layer Masks (**Mask Panel**), Filters; Gradient Mask; **Adjustment Layer Panel**; Grouping and Clipping Masks.	**Lesson 5** **Practices:** *Mask Borders* *Gradient (Layer) Mask* *Layer Masks* *Clipping Masks*
Week 6 Days 12	**Lesson 6 CS 4:** *Correcting Digital Photos* (Extra-Optional) Topics*: RAW, Sharpening, Red Eye, Vanishing Point*	**Lesson 6** (Opt/EC)
Weeks 7 **-**Days 13 to 14	**Integrating Project 2**: Using masks and images to illustrate a pun. Students acquire images. Discuss Copyright and Attribution.	**Integrating Project 2**
Week 8 Days 16	**Integrating 2 presentations** **Quiz 4** Masks	**Quiz 4**
Midway	**Start: Resource/ Image Diary**	Homework

Unit 5 Week 9 Days 17 to 18 Type Vectors/Pen	**Lesson 7 CS 4:** *Typographic Design* (Optional EC) 　**Topics:** Character, Paragraph palettes; Type Size and Style; Leading, Kerning and Tracking; Scrubbing; Clipping Masks; Layer Styles; Grouping Smart Object. **Lesson 8 CS 4**: *Vector Drawing Techniques* 　**Topics:** Bit Map vs. Raster vs. Vector; Path Options; Drawing paths, editing anchors and segments; Naming (saving) vs. *Workpaths*; Convert Path to Selections; Vector Shapes (Shape Layer); Add/Subtract to Paths; Selection vs. Direct Selection Tools; Import Smart Object.	**Lesson 7** **Practice:** 　*Type Formatting* 　*Type Effects (opt/EC)* **Lesson 8** **Practices:** 　*Pen as Vector Mask & Selection* 　*Vector Shapes*
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 4:** *Advanced Layer* (Review-May be optional EC) 　**Topics (review):** Clipping Shapes; Keyboard shortcuts; Filters; Smart Objects; 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 11 CS 4** *Preparing Files for the Web* 　**Topics**: Slices, Optimizing GIFs, JPEGs	**Lesson 11** **Read***: Image Size* by J. Kost **Worksheet:** *Image Types, and Resolution.* **Practices:** 　*GrayscaleConversion* 　*Web Optimization*
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 4:** *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. **Additional**: Art History (opt)	**Lesson 10** CIB *Practices:* 　*Brushes* 　*Blend Modes* 　*Art History Brush (EC)*
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. 　*("Southwest" Special Effects Exercise opt)* **Complete Resource Files/Image Diary***.*	**Integrating Project** or **Exercise** *Special Effects with Southwest.*
Week 16 Day 32	**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.