
Computer Graphic Design Part 1 Outline

Instructor

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Class Dates

11 Class meetings

Additional

Students who wish to use their own laptop computer may do so, but must have the current software / resources resident on their computer. Keyboard shortcuts for Windows and Apple OS will be covered.

Prerequisite

Students should have a good understanding of file structure navigation and operation of the Windows and/or Mac operating system.

Overview

Computer Graphic Design will cover computer design techniques. Coursework will include an introduction to file organization and workflow, followed by the fundamentals of Bridge, Photoshop and Illustrator.

This is the first 11 weeks of our complete Computer Graphic Design Certificate Package.

Pre-requisites: Students should have a good understanding of file structure, navigation and operation of the Windows and/or Mac operating system.

Class Textbook (& Resources):

There is no book for the class. Handouts will be provided.

Bring These Items to Class Daily:

Students should be aware that a project started in class may need to be completed at home. Please bring at least two flash drives. One to save your work and one to turn in.

Instructional Procedures

Topics will include:

File Organization and Workflow

- Types of digital photo devices and advantages vs. disadvantages
- Importing photos and options available
- Digital storage devices
- Image resolution and why it's important
- Bitmap vs. Vector
- File Formats and Usage
- Color Modes & Color Libraries
- Output Devices
- Paper Selection for Output
- Image Organization / Editing Software – Bridge, Lightroom, Photoshop

Photoshop

- Adobe Bridge – Navigating the workspace and working with thumbnails, panels and using Batch Rename
- The Photoshop Interface – Opening files using Bridge, the Application Frame, workspaces and panels and panel menus
- Saving Files – Explanation of file formats and usage, using save as, and save for web
- User Interface – Explanation of Tools, Panel docks, Options/control bar, docking tabs, Shortcuts, scrolling and magnifying
- Image Adjustments – Auto adjustments, destructive adjustments, layer adjustments
- Selection Techniques – Shape Marquees, Lasso tools, Quick Selection & Magic Wand
- Layers – Layers panel and menu, transform controls
- Text – Creating text, Paragraph formatting, Text Effects
- Repairing and Retouching Images – Red eye, spot healing, healing brush, patch tool, Dodge/burn/Sponge tools, and removing image areas with the eraser
- Color – Foreground / background colors, color picker, color panel, color modes
- Camera Raw – Explanation of camera raw and overview of interface.

Illustrator

- Explanation – Vector based illustration is resolution independent.
- Before You Draw – Create a New Document, Workspace overview, The Application Bar, The Control Panel, The Tools Panel, Managing Workspace Panels, Working with Artboards, Guides
- Selecting Objects – Open & Closed Paths, Selection Tools, Black Selection Tool, White Direct Selection Tool, Selecting a shape, Selecting part of a group, Outline Mode, Select Similar Objects, Create Groups, The Select Menu, Save Selections, Arrange
- Drawing with Shape and Line Tools – Drawing with Shape Tools, Fill & Stroke, Rectangle, Perfect Square, Perfect Circle, Rounded Rectangle, Star Shapes, Modifying Shapes
- Drawing with Line Tools – The Line Tool, The Spiral Tool, The Arc Tool, The Rectangular Grid Tool, The Polar Grid Tool
- The Pen Tool – Pen Tool basics, Anchor point, Corner point, Bezier Curves, Add a point, Delete a point, Convert a point, Adding a brush stroke
- The Pencil Tool – Setting the Options, Drawing with the Pencil Tool, Smoothing the Path, Erasing a portion of the Path, The Strokes Panel, The Number 3 - Corners & End Caps, Stroke Alignment, Dashed Lines, Profile
- Vector Brushes – Brush Panels, Blob Brush, Width Tool
- Layers – Managing multiple layers
- Overview of Type – Creating type, the type panel, turning type in outlines
- Color & the Swatches Panel – Where to find the color, Choosing the fill and stroke

Homework Policy

Homework is not required, but will be assigned each class. If you wish to receive a certificate, 2/3 of the homework must be completed.

If you are using CS5 on your own computer, you MAY NOT be able to open Illustrator or InDesign files saved in CC2015.

Some features used with CC2015 MAY NOT BE AVAILABLE in previous versions of the software.

Attendance Policy

To receive a certificate of attendance, students must attend 75% of classes.

