

iPhone and iPad Photography

Introduction

When first learning to work with photos, I recommend learning one or perhaps two programs well before moving on. Once you learn the terminology and basic features, it will be easier to advance to programs or Apps with more capability. Therefore, this class will discuss editing photos with one or two programs on the PC and one or two Apps on the iPhone and iPad and recommend other ways to perform more advanced editing.

In addition to taking good photos, we must put them somewhere where we can work on them, share them and back them up for safe keeping.

Some of the applications that will be covered include Windows Photos, Google Photos, Apple native Photos App and more.

Prerequisites

- Bring a flash drive to class – any size.
- Sign up for a free Gmail Account even if you don't plan to use it. Go to www.gmail.com This will allow you to use Google Drive and Google Photos for free.
- Feel free to bring anything that is photo related to class if you have any questions.

Class Outline

1. Setting up your devices
 - Important settings on mobile devices
 - Turn on Backup
 - Turn on iCloud Photo Library
 - Syncing your devices and PC – see info [here](#)
 - Important settings on PCs
 - Setup Windows Photos
2. Using your iPhone and iPad camera
 - Using your camera- see info [here](#)
 - Taking photos - see the info [here](#)
 - Taking and editing Live Photos – see the info [here](#)

- Long exposure, Night Trails
3. Manage your photos
 - iCloud Photo Library – see info [here](#)
 - Organize your photos – see info [here](#)
 - Using Memories – see the info [here](#)
 - When you take a photo, where does it go?
 - Putting your photos where you want them
 4. Getting your photos from here to there
 - From your mobile device to your PC and vice versa
 - Using the free [Syncios](#) is the easiest solution. See tutorial [here](#) and [here](#)
 - From your memory card to your mobile device
 - Use an Apple Camera adaptor, see the information [here](#)
 - From your memory card to your PC
 - For several methods see the info [here](#)
 - From your memory card to an external hard drive
 - See the info [here](#)
 5. Looking for an App on your mobile device or PC
 6. Editing your photos
 - Using Snapseed -see the info [here](#)
 - Using Windows Photos – see the info in this document
 - Using Microsoft Office with your photos – see the info [here](#)
 - Using www.pixlr.com Online
 - See Help [here](#)
 - Using Google Photos – see the info [here](#)
 - Resizing photos
 - Best free resizer for Windows is [here](#)
 - For iPhones and iPads there are several Apps listed [here](#). They cost from \$.99 to \$2.99.
 7. Sharing your photos
 - Via Email
 - Using Instagram
 - Using Air Drop
 - iOS Photos App sharing
 - Read how to set up Family Sharing [here](#)

- Read how to use Photo Sharing [here](#)
 - Aspect Ratios for Printing photos (see info [here](#))
8. Google Photos
 9. Backing up your photos
 - Google Drive
 - OneDrive
 - Dropbox
 - iCloud

Terminology

1. Brightness versus Contrast
2. Aspect Ratio
3. Resolution
4. HDR or High Dynamic Range
5. Cropping to Fill vs cropping to Fit
6. Glossary of photography terms – see the info [here](#)

What are some of the activities that can be performed with photos

Here is a list to get started but it is in no means all inclusive.

1. Taking photos
2. Sharing photos
3. Managing our iPhone and iPad Photo storage
4. Printing
5. Adjusting an image
6. Cropping, Rotating, Changing Aspect Ratio and Resizing
7. Removing artifacts
8. Creating Vignettes
9. Creating Collages
10. Creating Slide shows
11. Adding text
12. Move or Transfer photos from device to device (import and export)
13. Cataloging your photos
14. Backing up your photos
15. Locating Apps and software

Section 3 Getting photos from here to there

Using Snapseed on a mobile device

The information [here](#) will be used as a reference.

Other free programs

1. On1 Effects 10.5 **Free** available [here](#). This is a great way to see if you want the paid program which is On1 Photo Raw. You can get free training [here](#). If you have trouble downloading this free program, send me an email and I'll send you another link.
2. iPhone and iPad Exif Wizard for viewing Metadata– see info [here](#)

Android devices

The information on these devices will not be as extensive as on Apple devices. The info below assumes that you have installed the Google Photos App on your device

Here are my recommendations:

1. For tips on using the camera see the info [here](#)
2. Use a Micro SD card for storing your photos and videos
3. Transfer photos to you PC – here are several methods
 - a. Install the free Syncios program on your PC and Phone to easily transfer photos and videos to your PC. If you just install it on your PC, when you connect your phone, it will be installed on the phone.
 - b. Follow the info [here](#) to use the Google Photos App to download photos
 - c. To use the Windows File Explorer, see the info [here](#)
4. If you delete a photo from the Gallery App, it remains in the Google Photos App
5. If you delete a photo from the Google Photos App, it's deleted from the Gallery App also
6. The best App for photo editing is Snapseed

Misc. Tips

New HEIC format on some iPhone models

- See the information [here](#)
- HEIC Converter [here](#)

Wireless Transfer APP vs. Syncios

- Syncios shows all the photos that are part of a burst sequence and Wireless Transfer only shows 1.

Snapseed can edit RAW photos

- The iPhone and iPad Camera App cannot take Raw photos but many 3rd party apps can.

Metadata or EXIF Data

- For a description see the info [here](#)
- Perils of GPS data

File Types

- Most digital cameras – JPG, Raw
- iPhone 6/7/8 – JPG, HEIC
- 3rd Party iPhone Apps – TIFF, Raw

Average size by file type

Type	TIFF	TIFF-M	Raw (DNG)	JPG	JPG-M	HEIC
Size in Mega Bytes	46	15	11	9	3	1.3

Notes:

1. Only 3rd party Apps can shoot in TIFF, Raw, JPG-M
2. The iPhone can shoot in JPG only except for newer iPhones which can save either JPG or HEIC (one or the other). Go to Settings, Camera, Formats. The Most Compatible is JPG and the High Efficient is HEIC.
3. The CameraPixels App can shoot the TIFF, TIFF-M and JPG-M file types. The -M are smaller versions or more compressed.

So, what does all this mean? Either the JPG or HEIC file types are all you need unless you are an expert and want very high-resolution photos. Recent iPhone models shoot 12 mega pixel images which are suitable for printing 8 X 10 prints. See the info [here](#).

More Paid and Free software programs

Note: If you install an App on one of your mobile devices, it will show up on the other. Go to Settings, iTunes and App Stores and turn in Automatic Downloads.

- Adobe Photoshop Elements – \$79
- ACDsee Ultimate - \$60 to \$150
- On1 Photo Raw 2018 - \$119.99. This is my favorite photo editing application.
- Free EXIF (Metadata) Editors – see info [here](#) and [here](#) and here