**Supply List for the Following Majors:** Fine Arts, Film, Photography and Imaging

**Name:** SA (for Studio Arts) Kit  
**Academic Year:** 2015-2016  
**Contact person:** Claudia Cumbie-Jones (ccjones@c.ringling.edu)

These items can be purchased from the Ringling College Art Supply Store individually or in a "Kit," pre-assembled for your convenience.

**Studio Arts Kit:**

- ✓ 3/4" White artist tape, 1 roll  
- ✓ 3/4" Masking tape, 1 roll  
- ✓ Sobol glue 8 oz.  
- ✓ Hot-melt glue gun, glue sticks, 2 packages  
- ✓ X-acto #1 knife, X-acto #11 blades, 100 blades  
- ✓ Utility knife, utility knife replacement blades, 5 blades  
- ✓ 8.5" Utility scissors  
- ✓ 8" Needle nose pliers  
- ✓ Clay sculpting tools – simple, plastic  
- ✓ Kneaded eraser (Medium)  
- ✓ Pink Pearl eraser  
- ✓ White, latex-free eraser  
- ✓ Pencils 2H through 4B (one of each - total of 6 pencils)  
- ✓ Vine charcoal, 3 sticks soft, 1 box  
- ✓ Compressed charcoal, 4-stick pack, 1 package  
- ✓ Conte crayons (white, black, terra cotta)  
- ✓ Synthetic natural hair brush (Series 235) Round Size 2 and Round Size 4  
- ✓ Synthetic natural hair brush (Series 236) Flat Size 8 and Flat Size 12  
- ✓ Palette (10" plastic)  
- ✓ Push pins (100 silver or clear)  
- ✓ Straight edge steel rule 24" with cork backing  
- ✓ 3 Tubes of Golden Primary acrylic paints (Primary Magenta, Primary Cyan, Primary Yellow)  
- ✓ Titanium white acrylic paint  
- ✓ Carbon black acrylic paint  
- ✓ Pelican waterproof black India ink  
- ✓ Sketch book (11"x14")  
- ✓ 18" x 24" Newsprint, 120 sheet pads, 1 pad  
- ✓ 18" x 24" Drawing pad, white paper  

**These items are required for all majors.** They are not part of the kit and must be purchased individually. The Ringling College Art Supply Store carries flash/thumb drives and hard drives, but not the compact flash/sd cards.

- ✓ One 16 or 32 gb flash/thumb drive  
- ✓ One 1tb portable hard drive  
- ✓ Two 32 gb Class 10 compact flash/sd cards

Questions may be directed to the faculty contact Claudia Cumbie-Jones (ccjones@c.ringling.edu) or to the Ringling College Art Supply store manager, Mack Whatley (941) 359.7565, store@ringling.edu.

**NOTE:** Photography and Imaging Majors, please see pages 1-3.  
Film Majors, please see page 4.
June, 2015

Dear New Photography and Imaging Student,

All entering Ringling College of Art and Design Photography and Imaging majors must purchase the specialty equipment detailed below to begin classes in their major. If you have questions, please contact Ken Strothman via phone at 941.359.7609 or via email at kstrothm@ringling.edu.

REQUISITE DIGITAL PHOTOGRAPHIC EQUIPMENT

Ringling College of Art and Design does not endorse any particular photographic equipment supplier. You are strongly encouraged to conduct your own Internet pricing and reputation research before choosing from whom to purchase your equipment.

Reputable Internet dealers, which have been used by Ringling College faculty, include:

- B&H Photo and Video ..................... www.bhphotvideo.com
- Freestyle Photographic Supply..... www.freestylephoto.biz
- Adorama ........................................www.adorama.com
- Unique Photo Inc. ......................... www.uniquephoto.com

Two good sources for used photographic equipment are www.KEH.com and www.mpex.com. A web site to check for a dealer’s reputation is www.resellerratings.com.

NOTE: Beware of Internet dealers offering unbelievable, “too good to be true” prices. Many of these dealers may be selling refurbished vs. new equipment, equipment that is manufactured with lesser quality materials, “imitation” brand names, and/or out-of-warranty products. Purchases from these kinds of dealers will likely include warranties that will not be honored in the USA by the manufacturer.

Please consider the following before making a decision to purchase a camera and lens. There are two parts to the purchase, the camera body and lens(s). Camera bodies tend to be replaced or updated by the manufactures on a regular schedule. Entry-level cameras are reiterated as often as every nine months. Professional level cameras are on a little longer schedule of a year to two years. Each new model will have an improved, enhanced feature set and improved image quality. Over time some profession features will find their way into entry-level cameras. The build quality on professional level cameras is much better. The introduction of a new model or updated model camera does not make the current camera obsolete.

There are two sizes of image sensors used in the cameras. Full frame sensors correspond to the full frame of traditional film (24mm x 36mm). Cropped sensor cameras having smaller sensors around half the size of a full frame sensor. Image sensors are the most expensive component of the camera and are the primary reason full frame cameras are cost much more. It is recommended the photography majors get a full frame camera, if possible.

To keep cost down camera manufacturers make less expensive lenses that work only with the cropped sensor cameras. These are the “S” series lenses in the Canon brand and the “DX” series lenses in the Nikon brand. Full frame lenses will work just fine on cropped sensor cameras but lenses intended for cropped sensor cameras will not work or work in a cropped mode on full frame cameras. Lenses should be considered a long-term investment. Quality professional lenses purchased while a student will be used for many years beyond graduating.

Camera bodies should be considered a shorter-term purchase. As newer camera bodies are introduced there comes a time when there is a compelling reason to upgrade to a new camera. Entry-level cameras and lenses will suffice to do the assignments and learn the concepts of making images. As students mature and refine their skills there will be the desire to upgrade to better performing equipment.
Camera manufacturers have added video capability to their cameras. We highly recommend you purchase a camera with a video feature. All cameras listed below, except where noted, have some video capability.

1. **Digital Single Lens Reflex Camera with Interchangeable Lenses**
   Ringling College’s Photography and Imaging faculty recommend Canon and Nikon as the best camera brands to consider. In the last several years Canon has generously donated a number of Canon L series lenses to the department. A good source on the Internet for reviews of digital cameras is: [www.dpreview.com](http://www.dpreview.com)

   Please check B&H, Adorama, and Best Buy for manufacturers rebates, promotions, and current pricing.

   **Canon**
   [www.canon.com](http://www.canon.com)
   - EOS Rebel T5i Digital Camera with EF-S 18-55mm f/3.5-5.6 IS STM Lens
   - EOS Rebel T6s EF-S 18-135mm IS STM Lens
   - EOS 6D (Cropped sensor) with EF-S18-200mm Lens
   - EOS 7D (Cropped sensor) with EF-S18-135mm f/3.5-5.6 IS STM Lens
   - EOS 6D (full frame sensor) with Canon 24-105mm f/4.0 IS USM AF Lens (highly recommended for photography majors)
   - EOS 5D Mark III (full frame sensor) with Canon 24-105mm f/4L IS USM AF Lens

   **Nikon**
   [www.nikonimaging.com](http://www.nikonimaging.com)
   - D3300 (cropped sensor) With AF-S DX NIKKOR 18-55mm 1:3.5-5.6G VR Lens (Black)
   - D5500 (cropped sensor) Digital SLR Camera Kit with 18-55mm VR Lens
   - D7200 (cropped sensor) DSLR Camera Kit with Nikon 18-105mm DX VR Lens
   - D610 (full frame sensor) SLR Digital Camera with 24-120mm 1:4 VR Lens (highly recommended for photography majors)
   - D810 SLR Digital Camera (full frame sensor) with 24-120mm 1:4 VR Lens

   **Additional Important Camera Features to Consider:**
   - Ability to show an image histogram on the camera’s LCD screen
   - RAW file format capability
   - Manual exposure capability
   - Video recording capability

   All of the above listed cameras meet these requirements.

2. **Memory Cards: Less than $100**
   - Compact Flash and SD memory cards have become very affordable. Prices have steady fallen for the last several years. If you can, purchase several eight or sixteen gigabyte cards. Large capacity memory cards are very useful for using the video features of your camera.

   **CompactFlash or SD Card Reader: $50 or Less**
   - Used to download images to your computer.
   - Firewire readers are faster, USB readers will work but downloads are much slower.

3. **Portable Flash: From $300 to $550.**
   Major camera brands offer dedicated flashes for their cameras. These units offer a great deal of creative control but can be expensive.
   - Canon dedicated flashes: 600EX9RT, 430 EXII
   - Nikon dedicated flashes: SB-910, SB700
Alternative Flash Brands for Canon and Nikon Cameras:

- Metz (www.metz.de/en/photo_electronics)
- Sigma, (www.sigma-photo.co.jp/english/flash)
- Sunpak
- Nissen

4. **Tripod: $100 - $200**

   Must support the weight of your camera. **Brands to Consider:**

   - Tiltall brand tripods are good, solid, basic tripods. With care they will last for many years.
   - Bogen/Manfrotto tripods offer some affordable well-made entry-level tripods. The Induro brand of tripods is worth looking at also. Bogen/Manfrotto and Induro do offer student discounts. Register as a student at [www.mac-on-campus.com](http://www.mac-on-campus.com) to see the discounts Mamiya America offers to students. Mamiya America distributes many major brand of photo equipment.

   *Avoid inexpensive, lightweight tripods from department stores, they are too lightweight, easily broken and not repairable.*

Digital Storage Recommendation:

All Ringling College students receive limited digital storage space on the College’s computer network. Due to the size of photographic images, however, additional space will be required to store your work.

There are several ways to store, back up, and transport your images. Burning CDs and DVDs should be considered as a temporary and redundant method of storage. **External hard drives are far more flexible and should be considered as essential equipment for Photography and Imaging majors.**

These hard drives are divided into two types: 1) External drives built to attach to a desktop computer and not be moved; and 2) Portable hard drives. Portable hard drives are physically smaller than an equivalent external hard drive, they are designed to be mobile. An external hard drive with a capacity of 1 Terabyte kept in the student’s dorm room and a portable with a 500 gigabyte capacity for transporting files to and from the computer labs and the dorm room is recommended. *All important data files should be backed frequently to a second and possibly third medium!*

**As the new school year approaches, large electronic stores like Best Buy will have very good prices on all types of digital storage. Prices for hard drives have continued to decrease as capacities have increased.**

Information about digital storage issues can be found on the web at: [http://www.dpreview.com/glossary/storage/issues](http://www.dpreview.com/glossary/storage/issues)

**Required Traditional Photographic Equipment**

A 35mm or medium format film camera capable of making manual exposures and adjustable focus is required. If the camera does not have an internal light meter, a hand held light meter is needed (Sekonic L-308S, $230, is a good basic light meter). A source for good used 35mm film cameras is KEH.com.

1. Processing tank and reel(s) for developing film  $30
2. Antistatic cloth  $10
3. Canned air  $5-8 each
4. Scissors  $5
5. Negative storage pages (package of 25)  $10
6. Spotting brushes  $3.50
7. Loupe – Glass  $70-110
   or Plastic  $10-20

Inkjet and traditional silver-based paper and film will be required and can be purchased from the vendors listed at the top of this list and from local Sarasota sources. It is recommended you wait until your classes start to purchase appropriate papers and film required by your individual instructor(s).

Traditional silver-based printing paper 8” x 10” costs approximately $55 for a box of 100 sheets. Inkjet paper sized 8-½” x 11” costs approximately $36-40 per 100 sheets.
As a film student, you will be required to have a DSLR. We consider a DSLR camera an essential tool for filmmakers – as important as a sketchpad is for an art student.

The camera you choose is up to you, but you will use it extensively in your classes, starting with Lens-Based Communication in the fall, Cinematic Storytelling in the spring, and then the Directing class in your sophomore year.

The camera can be anything from a refurbished Nikon D3100 (from Adorama for a couple hundred dollars when last checked) to a Canon SL1 for about $500. Or you have your higher-end DSLR’s, some of which are great for filmmakers, such as the new Panasonic 4K G7 for $800, or the Panasonic GH4 and Sony A7S, at $1,600 and $2,400 respectively (without lenses).

Another great choice for filmmakers, albeit on the higher end, is the brand new XC10 from Canon. This camera has more of a film camera form factor to it, but it’s extremely small, comes with its own fixed zoom lens, and shoots amazing moving images in 4K UHD, as well as great stills – all for under $2,500.