

## Equipment List for Journalism Students

### For the fall 2017 semester:

- |   |           |
|---|-----------|
| • External hard disk drive w/USB 3.0 connection   | \$125-175 |
| • Zoom H1 audio recorder  | \$90-115  |
| • Canon T5i/T6i camera w/audio jack & 18-55mm IS lens   | \$800-900 |
| • Aputure A.Lav lavalier microphone   | \$45      |
| • Over-the-ear headphones without noise cancellation (ie Sony)  | \$30-50   |
| • 16-32GB SDHC Class 10 (C10) & (U3) media card - SanDisk Class 10 Extreme PLUS (80MB/s write speed) or Lexar Professional 633x (95MB/s) or similar | \$60      |
| • Camera bag (ie Lowepro)   | \$20-50   |

**Total for fall Multimedia Journalism kit: range \$1170-1395**

*Note: You may substitute the Nikon D5500 or D7200 for the Canon T5i/T6i.*

### Explanation...



An external hard disk drive is required for saving the files you create during your time in the Journalism program. These files will form the basis of your all-important **portfolio**, which you'll use to obtain your workterm and any communications employment. A hard drive that is rugged, a decent size (ie, 1 TB) and has USB 3.0 is essential. Recommended brands are Western Digital, LaCie Rugged, G-DRIVE and Transcend StoreJet.

The Zoom H1 is an inexpensive audio recorder that will record in WAV or MP3 formats. We use WAV and MP3 when editing audio and video.



The Canon T5i/T6i is a good base model camera that has an external audio jack and menu adjustments for sound recording when shooting video. Additional suggestions are listed below.

The Aputure A.Lav lavalier microphone is a must when recording someone's voice. It is a corded, rechargeable battery-operated mic that plugs into your camera/audio recorder and also into a smartphone if desired. (*You do not need the very expensive wireless style lavs.*)





Over-the-ear headphones reduce ambient sound so that you can hear the interviewee as you are recording. Ear buds and noise-cancelling headphones are not recommended.

A fast SD media card (80MB/s write speed, or faster) for the DSLR cameras, Class 10 (C10) & (U3), and 16GB or larger.



A decent, padded camera bag is an essential item to store and protect the equipment above. A bag can be purchased in the \$20-50 range and should be adequate.

### **Other information:**

If you wish to “buy up” on the camera side, look at the following:

- The Canon 80D or Canon 7D camera.
- The Nikon D7200, Nikon D500 or Nikon D750 camera.
- Panasonic Lumix FZ2500 or GH4/GH5.

If money is no object look at the following:

- The Canon 5DMKIII camera.
- The Nikon D810 camera.

If you wish to buy used equipment, here are some suggestions:

- The Canon T3i, T4i, T5i or 7D camera.
- The Nikon D7000 or D7100 camera.

**Note:** If you currently own a DSLR, which is not mentioned above as part of the recommended models, please note that you may not be required to purchase another camera. If you currently have a DSLR, please contact Paul Coates ([pcoates@mtroyal.ca](mailto:pcoates@mtroyal.ca)) to discuss your specific model with him to check if it has the features required.

**For the winter 2018 semester, students will also need:**

- An accessory flash for the Canon or Nikon. The minimum here is the Canon EX430III or the Nikon SB700. These are in the \$300 range.
- A second SDHC media card (for the MRU video cameras). Class 10, at least 16 GB, fast write speed is recommended (ie, above 80MB/s). Price \$60. Sandisk/Lexar is recommended.

**Total for winter Multimedia Journalism kit additions: approx. \$360**

**Other information:**

If you wish to buy used flashes, here are some suggestions:

- The Canon 430EX, 430EXII, 580EX or 580EXII flash.
- The Nikon SB600, SB700 or SB800 flash.

**OPTIONAL: Equipment to purchase at a later date, if deemed necessary (after discussion with your instructor):**

- A tripod for shooting video. The Velbon Sherpa R200, or similar, at \$140. (optional)
- Sescom LN2MIC-ZMH4-MON attenuation DSLR cable at \$50. (optional)
- Hot shoe mount adaptor (ie Hama 1/4”), \$15. (optional)
- Olympus TP-8 phone recording device \$20. (optional)

**Explanation...**



The Sescom LN2MIC-ZMH4-MON attenuation DSLR cable aids in clean sound recording when shooting video with your DSLR and using the Zoom H1 as a sound recording device.

The hot shoe mount adaptor allows you to mount the Zoom H1 onto the camera when recording video.



The telephone recording device (adapter) allows you to plug in your audio recorder when recording over the phone interviews. Optionally, the use of a smartphone app such as ‘TapeACall’ (free) will work.

## For more information, contact:

**Jason Kokot** (Head of Video Production) for video questions at 403-440-6487 or at [jkokot@mtroyal.ca](mailto:jkokot@mtroyal.ca) or

**Paul Coates** (photography instructor) for DSLR photo questions at 403-440-6975 or at [pcoates@mtroyal.ca](mailto:pcoates@mtroyal.ca).

*Note: Please subscribe to the RSS feed on <http://jtimes.ca/> (the journalism program's information site for students) for updates on this list.*

## Stores to purchase Journalism equipment:

Robinson's <http://robinsonscamera.ca/>

The Camera Store <http://www.thecamerastore.com/>

Vistek <https://www.vistek.ca/>

Amazon [www.amazon.ca](http://www.amazon.ca)

Long & McQuade <https://www.long-mcquade.com/>

Axe Music <http://www.axemusic.com/store/>

London Drugs <http://www.londondrugs.com/>

Henry's <http://www.henrys.com/>

BHPhotoVideo <http://www.bhphotovideo.com/> (US supplier)

*Note: The Sescom cable, Zoom H1 and Olympus TP-8 are available through Long & McQuade, AXE Music, The Camera Store, Amazon.ca or the links below.*

## Links:

<http://www.henrys.com/79807-SESCOM-LN2MIC-ZMH4-MON-CABLE-ZOOM-H4-H1.aspx>

<http://www.getolympus.com/ca/en/telephone-recording-device-tp-8.html>

## List of available freeware/recommended software:

### Freeware...

**MediaInfo** – free, safe download, gives you important info about a media file (bitrate, codec, length, aspect ratio, resolution, etc), great for troubleshooting.

**VLC player** – free, safe download, media player which plays most media files regardless of codec, etc.

**Audacity** – free, safe download, audio editor

### Software...

We use the Adobe CC Suite for layout, photography and video, however all of our lab computers have this software installed therefore it is not a requirement for you to lease this software package. If you decide to lease the Adobe CC Suite for your personal computer, see below for more info.

**Adobe CC subscription** - \$19.99US/mo. for 12 month student subscription...

<https://www.adobe.com/ca/creativecloud.html>

<https://www.adobe.com/ca/creativecloud/buy/students.html>

**Laptops (specifications):**

Although laptops are not a requirement for the program, you are advised to follow the specifications recommended below if you decide to purchase a laptop for school.

<b>Mid-range laptop (general use)</b>	<b>Video editing laptop (performance)</b>
Intel i5 processor	Intel quad-core i7 or Xeon processor (faster clock speed = better performance)
8 GB RAM	8 GB RAM minimum, 16 GB recommended
500 GB capacity or higher hard drive	1 TB capacity or higher hard drive. SSD or 7200 RPM recommended.
On-board Intel GPU will suffice	Nvidia GPU with DDR3 or DDR5 RAM (minimum 1GB RAM, 2 GB or higher recommended)
USB 3.0 ports	USB 3.0 ports
15" display	15" minimum display, 17" recommended
Built-in SD card reader is useful	Built-in SD card reader is useful
Headphone/mic jacks are useful	Headphone/mic jacks are recommended

Please keep in mind that Journalism is highly likely to transition from our current Mac labs to PC workstations over the summer of 2017. If you have questions regarding this transition, or laptop purchasing, please contact **Jason Kokot**.

**Journalism Equipment Loans:**

We have several accessory lenses to fit Nikon and Canon DSLR cameras, which students can sign out once they are enrolled in the program. We also have various lighting, audio, stands/tripods and video camera kits, which are available to loan as well.