Choosing a camera

Requirements
you must have a camera with MANUAL EXPOSURE* control to complete this course.

*(That means you can control the shutter speed and fstop independently. It does not refer to focussing)
Manual exposure is NOT the same as manual focus!
History of the camera
First Published image of Camera Obscura 1544
Camera nomenclature
- Analog v digital
- SLR v rangefinder
- Body DSLR v prosumer
  - size v performance
    - sensor size (APS C v Full frame) and schmegapixels
- lens Zoom v prime
  - wide angle, normal and telephoto
  - speed of lens eg fastest aperture
  - hardware vs software zoom
- cards - Compact flash - speed
- card reader
- batteries
  - filters, video capabilities, max ISO, tripod, case, size of rear LCD
- Camera RAW mode
Define Manual exposure

It is NOT manual focus!
Analog film is cheapest

- Excellent New or used film SLR $50-$300.00
- 10-15 rolls of slide film
- processing
Camera choice tree

digital chip v analog film

Dslr v mirrorless

New v used

Brand

Lens choice

Zoom v prime

35 mm camera
10 rolls slide film processing
Other considerations include:

- Sensor size
- Megapixels
- Video capabilities
- Maximum ISO
- Lens widest aperture
SLR v mirroless Prosumer
Canon v Nikon

- Brand choice is individual
- **Canon**
- **Nikon**
- others include Leica, Fuji, Lumix, Sony, Pentax, Olympus
Discuss Sensor Sizes
APS C v Full Frame

http://petapixel.com/2013/06/15/a-mathematical-look-at-focal-length-and-crop-factor/
Lens choice

- Normal, wide angle and telephoto
- Kit lens
- nifty fifty
- Prime lens vs zoom
- maximum aperture can mean a large price difference
- hardware v software zoom
Cards

• Speed
• size
• brand and counterfeits
• Card reader recommended
Batteries

• Spare battery recommended
Other options

- Filters
  - If you can afford a filter, I recommend a circular polarizing filter.
  - DO NOT put a cheap filter in front of your expensive lens.
- Video capabilities 1080 v 720 - live focus...
- Max ISO low light photography
- Tripod recommended for anyone who thinks this is their major.
- Case optional
- Size of rear LCD and optical diopters
- Be sure your camera has a USA warranty and is not grey market.
Vendors

• B&H photo video
• Calumet
• Adorama
• Freestyle
• K&M
Used?

- BH used dept offers 30 day warranty
- Adorama
- ebay
- craigslist
When in doubt check

- http://www.dpreview.com
http://www.photoplusexpo.com/
Recommended cameras

Updated for Fall 2017
• http://towery.lehman.edu/Art108/CamerasF17.html
This is the camera I recommend for Fall 2017

https://www.adorama.com/l/Cameras/Digital-SLR-Cameras?sf=Price&sel=Lens-Included_18-hyphen-55mm_24-hyphen-70mm_24-hyphen-85mm

https://www.adorama.com/inkd3300ra.html
Famous People with a camera

http://anthonylukephotography.blogspot.com/search/label/Famous%20People%20With%20a%20Camera
Jim Morrison with Minox spy camera
George Harrison with a Nikon F, Kodak Retina I IS and a Rolleiflex.
I thought pullover was a Jewish holiday.
Lou Reed with Leica M8
Bridget Bardot with her Leica