Technology Requirements

Photography
To be successful in the class, you do not need an expensive DIGITAL camera.

However, your camera must have functions describe in this presentation.

If you are not familiar with these terms, read your manual or check the camera’s MENU to see if your camera has the modes and functions needed.

NOTE:
If you need to buy a camera, Kodak makes a very good one that goes on sale for about $60 and up.

You CANNOT use your cell phone camera
WHITE BALANCE

Normally our eyes compensate for lighting conditions with different color temperatures.

A digital camera needs to find a reference point which represents white.

It will then calculate all the other colors based on this white point.

For instance, if a halogen light illuminates a white wall, the wall will have a yellow cast, while in fact it should be white.
WHITE BALANCE
Some cameras have a variety of icons while others will have the choices written out. Check your manual or your camera’s menu.
SHOOTING MODES

To control the amount of light coming in or how fast the shutter opens and closes, you need to have the following modes.

APERTURE priority (Look for Av or A) and SHUTTER priority (Look for Tv "time value" or S)

If your camera only has the program scene modes, that would work also.
ISO SETTING

Not all locations are ideal for taking pictures.

Sometimes you just don't have enough light or your subject is moving too fast to get a good shot.

With a High ISO, you'll also get faster shutter speeds. A fast shutter helps prevent blurred images due to camera shake.
EXPOSURE COMPENSATION

This setting will allow you to tweak the exposure by bracketing your shots.

Look for the [+/-]
With MACRO mode, you can move in close and avoid a blurry photo. Look for the little “Flower” icon.
In **MACRO** mode, you can capture all the details
When the camera’s self-timer is turned on, you will be able to include yourself in the shot. Look for the “clock” icon.
The **SELF-TIMER** can also assist in preventing camera shake when shooting at a slow shutter speed or in low light.
The **HIGH ISO** mode on your camera makes the sensor in your camera more sensitive to light, which in turn helps to brighten the shot.
ZOOM

Look for the W (Wide-angle)
and the T (Telephoto)
TRIPOD MOUNT (Optional)

Look at the bottom of your camera. If there is a threaded hole, then you have a tripod mount.

It’s handy to have when you want to prevent blur during a long exposure shot.

Using a tripod along with the self-timer, will allow you to include yourself in the photo.
CAMERA CHECKLIST

1. Macro Mode [Close-ups]
2. Self-Timer [Small Clock Icon]
3. High ISO Settings [Sensitivity]
4. White Balance [WB]
5. Shooting Modes: Aperture Priority [Av or A] and Shutter Priority [Tv "Time Value" or S] or “SCENES”
6. Exposure Compensation [+/-]
7. Zoom [W (Wide-Angle)] & T (Telephoto)]
8. Tripod Mount (Optional)

Remember: you cannot use your cell phone camera for class assignments
MINIMUM REQUIREMENTS

To study online, your home computer should meet the following minimum requirements:

1. Windows - 7/XP/Vista, if using Internet Explorer 7.x or 8.x, Firefox 3.x or higher
2. Mac Operating System - OS 10.5.x, or 10.6.x Firefox 3.x or higher Safari 2.x or higher
3. Additional Notes for VISTA: All browsers require JavaScript, Java, Pop-ups, Cookies to be enabled and Flash to be enabled.

In addition, if you do not have ADOBE ACROBAT READER and POWERPOINT VIEWER, you will need to download the latest FREE versions.
SOFTWARE
You will need software to edit your images and to make contact sheets of your work.

**IMAGE EDITING SOFTWARE**

The **GIMP** [www.gimp.org] is a FREE program with many of the same features as expensive programs such as PhotoShop.

I will provide video tutorials for the **GIMP** and you will also have access to an online how-to manual.

If you have other software, such as PhotoShop, you may use it and I will assist you in getting online help.
CONTACT SHEET SOFTWARE

Each week you will have to hand in several photographs for your assignment.

In addition, you will also be required to submit contacts of the other images you shot for the assignment.

You may use PhotoShop or other image manipulation software to create contact sheets. There are also free programs on the web.

An Example: You take 15 good shots for an assignment on SPIRALs. You are only required to submit three finished photos. So that you get credit for all your good shots, you will create and submit a contact sheet with the other 12.
HELP!
TECHNICAL PROBLEMS

Support for CentralPipeline is provided by CCSU’s ITS (Instructional Technology Service) Help Desk. They can be reached at 860-832-1720.

Please visit their web site for hours and contact information: http://www.ccsu.edu/its/helpdesk/.

You can also obtain support at the Marcus White Computer Lab. Please visit their web site for hours and contact information: http://www.ccsu.edu/its/Academic/MWLab.htm.
Resources

KODAK
www.kodak.com

DP PREVIEW