

Digital Video Class: — Part 1

Student Computing Labs – Mac OS Support

Friday November 7, 2003 – 9:00 AM to 10:00 AM – Room: MMC 1725 – Instructor: Paladino

This class will teach participants what digital video, (aka DV) is, what to look for in a digital camcorder, and how to use them effectively.

This class is intended to help those who are new to camcorders, digital video and digital video computer editing. The goals of this class are to assist you to become better informed about camcorders, their use and which options are most important to you.

The quality, features and availability have all improved over the years. You can now produce better quality movies for far less money than what was available fifteen years ago.

In 1990, the technology needed to create a movie cost around \$200,000.

In 1995, the technology needed to create a movie cost about \$8,000.

Now, the technology needed to create a movie costs \$1,500 or less.

CCD's (aka: charged-coupled device) are currently the device of choice for digital and consumer imaging devices like camcorders, scanners, and digital cameras. All camcorders use one or more CCD. Professional camcorders usually have 3 CCD's. Personal camcorders usually have 1 CCD.

The CCD is a light sensitive chip used for gathering the colored light information. An image sensor then converts the light coming through the lens into a digital signal. The digital signal is a series of electronic pulses based on the pattern of light that fell on the electronic sensor. The signal is then converted to the (1's and 0's) digital format that the camcorder or other device uses.

Brief demonstrations of some of the more noteworthy tips and tricks for using panning and zooming, lighting and exposure options like; Backlight, Night-vision, FlexiZone or PushFocus Progressive-scan CCD, Still-camera mode, Remote control, etc. and features such as FireWire IEEE-1394, Analog Inputs, LCD, Image stabilization, Variable-speed zooming, optical, electronic and digital Zoom, etc. will be shown towards the end of the class and participants will have an opportunity to use camcorders.

No computers used.

Other classes in this series:

Digital Video Part 2, Friday November 14, 2003, 9 AM to 10 AM, MMC 1745

This class will teach participants how to use the revolutionary iMovie 3 digital video editor. iMovie 3 is powerful enough for professional editing studios and yet so easy that children use it.

Digital Video Part 3, Friday November 21, 2003, 9 AM to 10 AM, MMC 1745

This class will teach participants advanced features of iMovie 3, in particular importing other file formats, cool editing tips, exporting options, and more publication options.

More information at: <http://www.macos.utah.edu> and click on the Digital Video Classes link