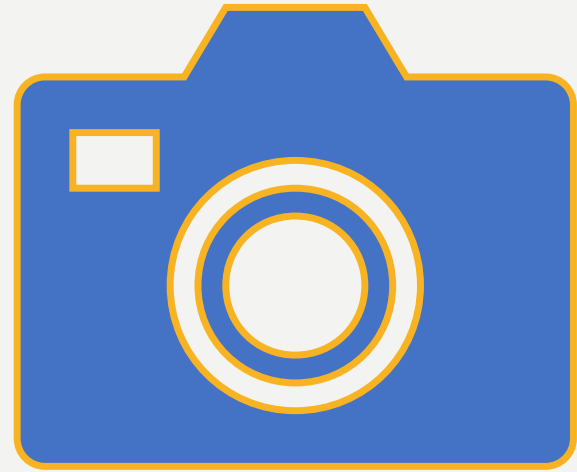


# **DIGITAL PHOTOGRAPHY**

**LECTURER: MARK GILLAN**



# CONTENT



Backing up



Use of digital  
photography



Pros and Cons  
(advantages and  
disadvantages)



Hardware



Software



Storage



Review

# BACK UP

- Back up EVERYTHING onto OneDrive
- Place everything into a folder named: YourName\_StillImages
- We will organise items into folders as we go along
- Coursework will be in one folder
- Project will be in 4 (four) different folders, each relevant to Task 1 ,Task 2, Task 3,Task 4
- Presentation and selected media in another
- All within the one folder named as above, with your name for sharing with your lecturer

# USE OF DIGITAL PHOTOGRAPHY



# EXERCISE – REASONS

- Within a Microsoft Word document, type a list of reasons for using digital photography
- Think about who would use digital images / still images and why
- Example: Computer games use computer generated digital images as well as photographs that have been edited
- Another example: A lecturer might use digital photography to demonstrate the use of equipment
- Save your Microsoft Word document to your student drive or USB flash drive, named: reasons

# REASONS FOR USING DIGITAL PHOTOGRAPHY

- Educational
- Commercial
- Leisure
- Criminal and law enforcement
- Reportage / media
- Aerial
- Structural / architecture

- Learning materials
- Instructional
- Selling products
- Recording evidence
- Nights out
- Newspaper
- Websites
- Backing up
- Advertising
- Falsifying information
- Fun
- Sharing

# PROS AND CONS



# EXERCISE: ADVANTAGES AND DISADVANTAGES

- List the advantages of digital photography
- Example of an advantage is: ability to edit – you can explain why you would edit and the benefits for such edit (various reasons)
- List the disadvantages of digital photography
- Example of a disadvantage is: battery usage, as opposed to traditional cameras (box camera) that used light sensitive recording material alone



# COMPARISON - ADVANTAGES

- Ease of use
- Portable
- Ability to edit
- Improve photography
- Professional and amateurs
- Sharing
- Evidence
- Fun
- Expression
- Learning
- Improve appearance
- Criminal evidence / prevention
- Ability to edit
- Faster than traditional imaging
- Backing up / evidence
- Communication
- Cost is much less for printing and sharing

# COMPARISON - DISADVANTAGES

- Failure of equipment
- Updates
- Copyright infringements
- Initial cost and upgrading cost
- Requirement for additional equipment
- Evidence (False)
- Too easy to click away without thinking

# HARDWARE



# HARDWARE REQUIREMENTS

- Digital camera
- Lenses
- Flash
- Storage devices
- Batteries
- Tripod
- Cables
- PC / Apple Mac
- Laptop
- iPad or tablet
- Printer
- Mobile phone
- Online account for  
backing up / storage / sharing
- Scanner

# SOFTWARE



# OPERATING SYSTEM

- MS-DOS
- Microsoft Windows
- Windows Phone
- MAC OS X
- Apple iOS
- Android
- Linux
- Unix, Symbian, Solaris, OS/2, Xenix

# OPERATING SYSTEM IMPACT UPON DIGITAL PHOTOGRAPHY

- Compatibility with application software
- Utilities
- Security
- Backing up
- Connectivity of hardware
- Drivers
- Internet
- Wi-fi
- Added functionality (filing)



# AVAILABLE SOFTWARE

- Adobe Captivate (screen capture)
- Screen Grab Pro
- Adobe Photoshop (Professionals)
- Adobe Photoshop Elements (album and editor – amateur / pro)
- Adobe Lightroom
- Serif Photo Plus
- Apple Aperture (Apple Mac)
- Corel Paint Shop Pro
- DxO Optics Pro
- Capture One Pro
- GIMP (Freeware)
- Pixlr editor  
(online – free web based)
- Plug-ins



# SOFTWARE CATEGORY

- Capture
- Editing
- Catalogues
- Still / Video
- Email and Communication



# STORAGE



# BACKING STORAGE

## MAIN STORAGE

- Hard Disk Drive (internal device or PC / laptop / tablet or mobile phone)
- Memory card (various different types – to be discussed)
- The cloud

## BACKING UP

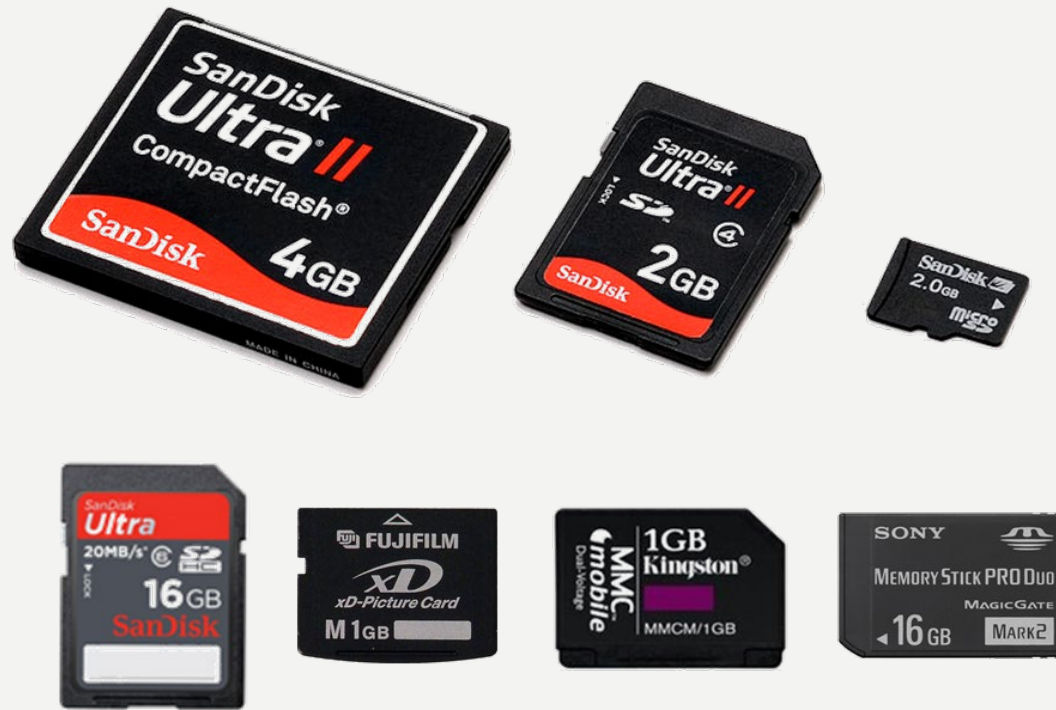
- USB Flash Drive
- External Hard Disk Drive
- Second memory card
- The cloud
- Mobile Hard Disk Drive

# MEMORY CARDS

- SD card (Secure Digital)
- Mini-SD cards (60% smaller)
- HCSD cards (High Capacity)
- Compact Flash (CF Type I / II)
- MMC (Multimedia card)
- xD Picture Card
- Memory Stick (Pro, Pro Duo)
- Smart Media



# LOOK AT MEMORY CARDS



# REVIEW

- Name some pros and cons of digital photography compared to traditional / historical photography
- Name some hardware requirements for digital photography
- Why is an Operating System important for digital photography?
- Name some image or video capture software
- Name some image editing software
- What are the alternatives for backing storage?
- Name some memory cards