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Ollscoil
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South East
Technological
University

Module Descriptor

Digital Photography (Computing and Mathematics)

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Digital Photography
(A13603)

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Short Title: Digital Photography
Department: Computing and Mathematics
Credits: 5   **Level:**   Advanced

Description of Module / Aims

The aim of the module is to advance the student?s knowledge and skill in practical digital photography. The module addresses both the technical and creative aspects of image creation.

Programmes

	stage/semester/status
PHOT-0016 BSc (Hons) in Applied Computing (WD_KACCM_B)	4 / 8 / E
PHOT-0016 BSc (Hons) in Applied Computing (WD_KCOMP_B)	4 / 8 / E
PHOT-0016 BSc (Hons) in Computer Forensics and Security (WD_KCOFO_B)	4 / 8 / E
PHOT-0016 BSc (Hons) in Computer Science (WD_KCMSC_B)	4 / 8 / E
PHOT-0016 BSc (Hons) in Physics for Modern Technology (WD_KPHTE_B)	4 / 8 / E

Indicative Content

- Camera Controls and operations
- Composition principles
- Practical image making
- Practical editing techniques
- Lighting Techniques – studio and available light
- Presentation of images

Learning Outcomes

On successful completion of this module, a student will be able to:

1. Manage the technical aspects of image capture.
2. Integrate key visual principals underlying digital image capture and editing.
3. Compose images through editing.
4. Assess correct camera controls and settings for a subject.
5. Develop and realise photographic projects.

Learning and Teaching Methods

- Combination of lectures and studio-based practicals.
- The lectures will cover the theory and underlying technologies of image capture using a DSLR camera.
- The practical work will provide the student with the skills to dynamically consider lighting options and composition choices when making images.
- Students will be encouraged to use self-directed research and learning to study images from world-class photographers and investigate camera technology.

Learning Modes

Learning Type	F/T Hours	P/T Hours
Lecture	12	
Practical	36	
Independent Learning	87	

Assessment Methods

	Weighting	Outcomes Assessed
Continuous Assessment	100%	
In-Class Assessment	20%	1,4
Portfolio	80%	2,3,4,5

Assessment Criteria

<40%: Inability to demonstrate an understanding of the "photographic triangle" to create properly exposed images under various lighting conditions.

40%–49%: Ability to use ambient lighting to create effective images.

50%–59%: Ability to use both ambient and studio lighting to creatively to express photographic intentions.

60%–69%: Ability to use digital editing techniques to create effective images and minimise technical image problems such as sensor noise and optical lens aberrations.

70%–100%: All the above to an excellent level. Ability to assemble a strong set of images as a photo essay to examine a specific subject or topic.

Essential Material(s)

- "Cambridge in Colour." www.cambridgeincolour.com
- "Creative Live." www.creativelive.com
- "Digital Photography Review." www.dpreview.com
- "Magnum Photo Agency." www.magnumphotos.com

Supplementary Material(s)

- Freeman, M. *The Photographer's Eye*. NY: Ilex, 2007.
- duChemin, D. *The Photographer's Eye*. NY: Peachpit/New Riders, 2010.
- duChemin, D. *Within The Frame*. NY: Peachpit/New Riders, 2009.

Requested Resources

- CREATIVE AND PERFORMING: Photography