

MODULE SPECIFICATION TEMPLATE

- 1 The title of the module**
EL536 Digital Photography
- 2 The School which will be responsible for management of the module**
Engineering and Digital Arts
- 3 The start date of the module**
September 2004
- 4 The cohort of students (onwards) to which the module will be applicable**
2004-05
- 5 The number of students expected to take the module**
50
- 6 Modules to be withdrawn on the introduction of this proposed module and consultation with other relevant Departments and Faculties regarding the withdrawal**
This is a new optional module for the MTD programme, a new core module for IMC and will be offered as a "wild" module for other departments in the University. No modules will be withdrawn.
- 7 The level of the module (eg Certificate [C], Intermediate [I], Honours [H] or Postgraduate [M])**
I
- 8 The number of credits the module represents**
15
- 9 Which term(s) the module is to be taught in (or other teaching pattern)**
Spring
- 10 Pre-requisite and co-requisite modules**
None
- 11 The programme of study to which the module contributes**
- 12 The intended subject specific learning outcomes and, as appropriate, their relationship to programme learning outcomes**
1. Acquisition of knowledge and skills in the areas of image composition, perspective and tone.
2. Acquisition of knowledge and skills in the area of image acquisition, using a variety of sources, e.g. digital cameras, film scanners and flat-bed scanners.
3. Acquisition of knowledge and skills in the areas of editing and manipulating acquired images using software tools.
4. Acquisition of knowledge and skills in the area of communicating a message via images and text.
5. Acquisition of knowledge and skills in the area of the scientific principles of photography including camera optics, imaging techniques and image manipulation.
- 13 The intended generic learning outcomes and, as appropriate, their relationship to programme learning outcomes**
On completion of this module, students will have further enhanced their computing, design, time-management and communication skills.

14 A synopsis of the curriculum

Lecture Syllabus

HISTORY OF PHOTOGRAPHY

Camera obscura; silver chloride and black & white; colour photography; reversal processes; plate; roll film; 35 mm and APS; scanning and photo CDs; digital cameras.

PRINCIPLES OF PHOTOGRAPHY

Basic optics; the camera; types of camera; lenses; lighting; image files and compression.

INTRODUCTION TO PHOTOSHOP

Overview of the skills needed for basic use of Adobe Photoshop.

PRACTICAL PHOTOGRAPHY TUTORIAL LECTURES

Use of cameras and lenses, lighting techniques, composition, themes: e.g. People, landscapes, still life, architecture, nature, sport.

PRACTICAL PHOTOGRAPHY CRITIQUE

Drop-in help/feedback session on photographic techniques to support the Photographic Portfolio assignment.

DIGITAL IMAGE MANIPULATION

Communication through images; digital vs. Film photography; file formats, image compression, resolution and colour depth; photographs and bitmaps; scanning; image correction and restoration; printing and publishing.

Coursework

PHOTOGRAPHIC PORTFOLIO

Assignment to produce a portfolio of themed digital photographs (50%).

POSTER

A photographic assignment to produce a poster to act as the cover sheet for the photographic portfolio (50%).

15 Indicative Reading List

Recommended Reading

Adobe Creative Team (2010), Adobe Photoshop CS5, Classroom in a Book, CA, Adobe Press, ISBN 0321701763

Michael Langford (2010), Langford's Basic Photography (9th Ed.), Focal Press, ISBN-10: 0-24-0521684

Background Reading

Mikkel Aaland (2007), Shooting Digital, San Fransisco, LA, Sybex, Second Edition, ISBN 6610654689

The Science of Imaging – An Introduction, Second Edition, Graham Saxby, CRC Press, 2011, ISBN 978-1-4398-1286-0

16 Learning and Teaching Methods, including the nature and number of contact hours and the total study hours which will be expected of students, and how these relate to achievement of the intended learning outcomes

There will be 35 contact hours, comprising 11 hours of lectures, 15 hours of tutorial lectures, 3 hours of critique and 6 hours of project supervision. The total student workload will be 150 hours.

17 Assessment methods and how these relate to testing achievement of the intended learning outcomes

Assessment for this module is by means of two assignments. The Photographic Portfolio is designed to assess learning outcomes 1,2 and 5, while the Poster assesses learning outcomes 3,4 and 5.

18 Implications for learning resources, including staff, library, IT and space

Digital Editing and Manipulation will be based in the department's Multimedia Studios. Extra equipment will also be required, and this will be budgeted for in the spending plans for 2004-5.

- 19 The School recognises and has embedded the expectations of current disability equality legislation, and supports students with a declared disability or special educational need in its teaching. Within this module we will make reasonable adjustments wherever necessary, including additional or substitute materials, teaching modes or assessment methods for students who have declared and discussed their learning support needs. Arrangements for students with declared disabilities will be made on an individual basis, in consultation with the University's disability/dyslexia support service, and specialist support will be provided where needed.**