

MODULE DESCRIPTOR

MODULE TITLE	COMPUTER GRAPHICS		
MODULE CODE	TE1803 (L4)	CREDIT VALUE	20 UK CREDITS / <u>10 ECTS</u>
SCHOOL	SCHOOL OF SCIENCES		

MODULE AIMS

This module aims:

- a) To introduce students to computer graphics principles, systems and methods.
- b) To enable students to develop strong visual communication skills and critical awareness of the work of others.
- c) To introduce working practices, recommendations, standards and specifications relating to the production of graphic products in a range of professional contexts.

MODULE CONTENT

Indicative syllabus content:

In this module students will learn how to produce effective computer graphics for the purpose of visual communication. Methods will typically include: static and motion graphics; photography; illustration; machine generated graphics; type and typography. Contexts will typically include: information design; user interface design; data visualisation and design for print. Techniques will typically include: sketching; vector and bitmap drawing/painting; photomontage; image manipulation. Theories applied will typically include: visual communication; analogue process; digital process; human vision; semiotics; design process models; colour systems; image formats; image resolution; measurement systems; image compression and image density range.

INTENDED LEARNING OUTCOMES

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

1. Answer basic questions about graphics principles, systems and methods.
2. Produce computer graphics that meet predefined requirements of effective communication, aesthetic value and technical specification.
3. Discuss important attributes of their own work and the work of others.

TEACHING METHODS

Coursework tasks will offer a challenge, requiring students to apply what they have learned in the scheduled sessions. As the module progresses coursework tasks will increase in complexity and require students to achieve good results within the constraints of time and resources.

Every coursework task will have an associated 'knowledge and theory' element. Students will be required to answer 3-6 multiple-choice questions to test their understanding of knowledge and theory related to the specific coursework task. The final coursework task will require students to write a short critical appraisal of their own work in comparison to similar professional work of a high standard.

Summative assessment will consider the student's coursework portfolio as a single entity, applying marks in-line with the intended learning outcomes and the relevant Principles of Assessment.

ASSESSMENT METHODS

This module is assessed through one Coursework portfolio.