

Module Documentation



COMP06036

Multimedia Applications

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COMP06036 Multimedia Applications

Short Title	Multimedia Applications		
Full Title	Multimedia Applications		
Attendance	N/A	Discipline	481 COMPUTER SCIENCE
Coordinator	Lucia Cloonan	Department	Business
Official Code	COMP06036	NFQ Level	06
		ECTS Credit	05

Module Description

This module enables the student to analyse the process of multimedia production and the skills and technologies involved in basic multimedia applications.

Learning Outcomes

On completion of this module the learner will/should be able to

1. Analyse the process of multimedia production and the skills and technologies involved in basic multimedia applications.
2. Enhance images using image editing tools and present the results to an audience using presentation software.
3. Edit video and audio clips using video editing and sound editing software.
4. Assemble audio, text, graphics and animation using an authoring tool.

Teaching and Learning Strategies

Teaching and learning methods will involve a combination of theory and practice.

Assessment Strategies

The assessment strategy is reviewed on an annual basis with the external examiner. It includes evaluating applications, presentation software and digital imaging, audio & video and Multimedia concepts & authoring.

Repeat Assessment Procedures

Repeat mechanism: 3 hour practical exam (Autumn)

Assessment Facilities

Video cameras

Module Dependencies

Prerequisite Modules

None

Corequisite Modules

None

Incompatible Modules

None

Indicative Syllabus

Multimedia Concepts: (20%)

Evolution of multimedia; appraisal of multimedia; hardware and software for multimedia; delivery systems; copyright issues. Process of multimedia production.

Presentation Software: (20%)

Use of audio, text, graphics; animation.

Digital Imaging: (20%)

Resolution, graphic file formats, interface design; Selection tools; layer basics; retouching and repairing images.

Audio & Video: (20%)

Analog and digital; file formats, compression, audio editing, voice recording, audio effects; Video editing, creating rough cuts, trimming clips, adding transitions, splitting clips, video effects, creating titles & motion, exporting files.

Multimedia Authoring: (20%)

Synchronisation of all the media components; Creating and editing cast members; Creating animation.

The module will be taught predominantly through a combination of lectures and lab practicals.

CourseWork / Assessment Breakdown

CourseWork / Continuous Assessment	100 %
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Coursework Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
Project Audio & Video	3	40	Any
Class Assessment Multimedia Authoring	4	20	Any
Presentation software and Digital imaging	1,2	40	Any

End Exam Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
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ACCS Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Open Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Distance Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Part Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Full Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Laboratory Practical	Not Specified	Laboratory	3	Weekly	3.00

Total Average Weekly Learner Workload 3.00 Hours

Online Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Module Resources

Module Book Resources

Required Reading/Resources:

Chapman, N., Chapman J., 2009, Digital Multimedia, 3 rd edition, John Wiley & Sons Ltd.

Recommended Reading/Resources:

Savage T.M., Vogel K.E. 2013, An Introduction to Digital Multimedia, 2 nd edition, Jones & Bartlett publishers

McGloughlin, S., 2001, Multimedia Concepts & Practice, Prentice Hall.

Vaughan, T., 2008, Multimedia: Making It Work, 7 th edition, McGraw Hill.

Adobe Photoshop CS6, Classroom in a Book, Adobe Press 2012.

Adobe Premiere CS6, Classroom in a Book, Adobe Press 2012.

Adobe Flash Professional CS6, Digital Classroom, Wiley 2012

Journal of Management Information Systems.

Module Alternate Book Resources

None

Module Other Resources

None

Module URLs

Electronic Resources:

<http://www.adobe.com/>

<http://www.webstyleguide.com/>

<https://learnonline.gmit.ie/login/index.php>

Additional Information

None

Approval Information

School Approval by Carmel Brennan on 27-03-2015

Academic Council on 01-04-2015

Programme Membership

Code	Intake Year	Programme Title
GA_BBISG_H08	201500	Bachelor of Science (Honours) in Business Information Systems
GA_BBISG_B07	201500	Bachelor of Science in Business Information Systems