H6TCL: Technology and Learning

Module Code:	H6TCL
Long Title	Technology and Learning APPROVED
Title	Technology and Learning
Module Level:	LEVEL 6
EQF Level:	5
EHEA Level:	Short Cycle
Credits:	5
Module Coordinator:	Sam Cogan
Module Author:	Sam Cogan
Departments:	NCI Learning & Teaching
Specifications of the qualifications and experience required of staff	

Learning Outcomes	
On successful completion of this module the learner will be able to:	
#	Learning Outcome Description
LO1	Identify a range of relevant technologies (including classroom technologies, internet based, mobile communication) and apply them.
LO2	Develop and evaluate simple multimedia materials for a variety of learning settings.
LO3	Utilise and evalute technologies in an appropriate context
LO4	Understand basic relevant web development techniques

Dependencies
Module Recommendations
No recommendations listed
Co-requisite Modules
No Co-requisite modules listed
Entry requirements

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Module Content & Assessment

Indicative Content

Introduction to learning and technologies
• Learning technologies defined • History of learning and technology • Varieties of learning technologies • Benefits of learning technologies • Adoption of technology

Audio/Visual Multimedia
• Multimedia definition • Copyright • cross platform concerns • Animation • Video • Audio • Digital presentations

Digital sharing
• Definition • Blogging • Vlogging • Streaming • Wikis • Social networking • Social network analysis • Forums

Flipped classroom
• Definition • Flipped classroom models • Future directions • Content creation • Sourcing content

Hardware
• Interactive white boards • Clickers • Tablet devices

Mobile learning
• BYOD • Device constraints • Benefits & best practice

Blended learning
• Definition • Blended Learning Models in Higher Education • Blended Learning Models at the workplace • Future directions

Personal and professional technologies
• Productivity tools • Planning tools • Communication tools • Adoption of technology

Assessment Breakdown	%
Coursework	100.00%

Assessments

Full Time

Coursework

Assessment Type:	Presentation	% of total:	30
Assessment Date:	Week 6	Outcome addressed:	2,3
Non-Marked:	No		

Assessment Description:
Students will give a presentation on a topic of their choice, utilising technology to enhance the learning experience.

Assessment Type:	Practical (0260)	% of total:	30
Assessment Date:	Week 9	Outcome addressed:	1,3,4
Non-Marked:	No		

Assessment Description:
Students must engage with an online tool or course of their choice. They must then evaluate and report on their experience using a web based technology (blog, vlog, podcast, wiki etc)

Assessment Type:	Assignment	% of total:	40
Assessment Date:	Week 12	Outcome addressed:	1,2,3,4
Non-Marked:	No		

Assessment Description:
Design a short course in an appropriate topic using a range of linked digital resources.

No End of Module Assessment

No Workplace Assessment

Reassessment Requirement

Repeat failed items
The student must repeat any item failed

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Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Part Time				
Workload Type	*Workload Description*	*Hours*	*Frequency*	*Average Weekly Learner Workload*
Lecture	per week	2	Once per semester	0.17
Lab	No Description	8.5	Once per semester	0.71
			Total Weekly Contact Hours	0.88

Module Resources

Recommended Book Resources

Aaron Sams. (2012), Flip Your Classroom: Reach Every Student in Every Class Every Day, International Society for Technology in Education.

Etienne Wenger. (2002), Digital Habitats - Stewarding technology for communities, Harvard Business School Press.

Supplementary Book Resources

Neal Schaffer. (2013), Maximize Your Social: A One-Stop Guide to Building a Social Media Strategy for Marketing and Business Success, Wiley.

Recommended Article/Paper Resources

Rebecca Maguire. (2013), Can Clickers Enhance Team Based Learning? Findings From A Computer Science Module, The All Ireland Journal of Teaching & Learning in Higher Education.

Other Resources

**[Website], Coursera. Coursera,
https://www.coursera.org/**

**[Website], Pluralsight. Pluralsight,
http://www.pluralsight.com**

Discussion Note: