

## H8DT: Digital Transformation

Module Code:	H8DT
Long Title	Digital Transformation <b>APPROVED</b>
Title	Digital Transformation
Module Level:	LEVEL 8
EQF Level:	6
EHEA Level:	First Cycle
Credits:	10
Module Coordinator:	
Module Author:	Alex Courtney
Departments:	School of Computing
Specifications of the qualifications and experience required of staff	Master's degree in Computing/Business Information Systems or cognate discipline.
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner will be able to:</i>	
<b>#</b>	<b>Learning Outcome Description</b>
LO1	Evaluate digital practice and plan for Digital Transformation
LO2	Investigate modern industry trends in Digital Transformation
LO3	Identify and evaluate risk associated with the Digital Transformation process
LO4	Categorise the range of issues faced by organisations undergoing Digital Transformation
LO5	Develop a growth mindset towards Digital Transformation processes
<b>Dependencies</b>	
<b>Module Recommendations</b>	
No recommendations listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Entry requirements</b>	Learners should have attained the knowledge, skills and competence gained from stage 3 of the BSc (Hons) in Computing.

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Module Content & Assessment			
<b>Indicative Content</b>			
<b>What is Digital Transformation</b> Industry perspectives. Modern Digital Opportunities			
<b>Enabling Digital Transformation</b> Organisational Culture. Growth mindset. Innovation models. Change Management			
<b>Enabling Digital Transformation</b> Training. Digital competence. Outside in/inside out models			
<b>Digital SWOT</b> SWOT analysis.. Globalisation and technological innovation.. Proprietary data analysis. Identifying weakness in the data chain. Identifying strengths in the data chain. Process reengineering			
<b>Modern Paradigms 1</b> Cloud Computing. AI/Ethics. IOT			
<b>Modern Paradigms 2</b> Blockchain. Big Data.			
<b>Leveraging Modern Tools</b> Jira. Hadoop			
<b>Leveraging Modern Tools</b> ADKAR. Azure/AWS			
<b>Measuring Success</b> Lean. Agile. Computing industry			
<b>Change Management 1</b> Influencing key stakeholders. Regular communications. Measuring successful change. Strategies - participation, involvement and commitment. Sources of Resistance.			
<b>Presentations</b> Presentations			
<b>Assessment Breakdown</b>			<b>%</b>
Coursework			100.00%
<b>Assessments</b>			
<b>Full Time</b>			
<b>Coursework</b>			
<b>Assessment Type:</b>	Formative Assessment	<b>% of total:</b>	Non-Marked
<b>Assessment Date:</b>	n/a	<b>Outcome addressed:</b>	1,2,3,4,5
<b>Non-Marked:</b>	Yes		
<b>Assessment Description:</b> Formative assessment will be provided on the in-class individual or group activities.			
<b>Assessment Type:</b>	Case Study	<b>% of total:</b>	30
<b>Assessment Date:</b>	n/a	<b>Outcome addressed:</b>	1,3,4
<b>Non-Marked:</b>	No		
<b>Assessment Description:</b> Students are given a case study to engage with and must formulate a response to the given case detailing: - Identified issues - Opportunities for digital transformation - Redevelopment strategy for given study - Compare strategy with other organisations			
<b>Assessment Type:</b>	Project	<b>% of total:</b>	70
<b>Assessment Date:</b>	n/a	<b>Outcome addressed:</b>	1,2,3,4,5
<b>Non-Marked:</b>	No		
<b>Assessment Description:</b> Groups of students engage with a project in a problem-based learning environment. Lab sessions toward the end of the course are dedicated to facilitation of these projects by the lecturer, whereby the lecturer will act as the business owner/key stakeholder and will present a business case to students. Students must then undergo requirements analysis, KPI generation, planning, measurement and finally reporting over the last weeks of term. The lecturer as faux business owner will be tasked with challenging learners and giving an ill-defined problem. The learners will be tasked with moving towards a well-defined problem and solution and presenting their findings via a report. Students must individually evaluate their performance and reflect on their growth mindset towards this challenge in a separate report			
No End of Module Assessment			
No Workplace Assessment			
<b>Reassessment Requirement</b>			
<b>Repeat examination</b> <i>Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.</i>			
<b>Reassessment Description</b> Coursework Only This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination. Students will repeat via the project which covers all learning outcomes Learning Environment Learning will take place in a classroom/lab environment with access IT resources. Learners will have access to library resources, both physical and electronic and to faculty outside of the classroom where required. Module materials will be placed on Moodle, the College's virtual learning environment			

## H8DT: Digital Transformation

Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Full Time				
Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	Classroom & Demonstrations (hours)	24	Every Week	24.00
Tutorial	Other hours (Practical/Tutorial)	24	Every Week	24.00
Independent Learning	Independent learning (hours)	202	Every Week	202.00
Total Weekly Contact Hours				48.00

Module Resources	
<i>Recommended Book Resources</i>	
Lindsay Herbert. (2017), Digital Transformation, Bloomsbury Publishing, p.264, [ISBN: 9781472940391].	
<i>Supplementary Book Resources</i>	
Esther Cameron, Mike Green. (2015), Making Sense of Change Management, Kogan Page Limited, p.450, [ISBN: 9780749472580].	
<i>This module does not have any article/paper resources</i>	
<i>This module does not have any other resources</i>	
Discussion Note:	