<table>
<tr><td>Module Title</td><td colspan="2">EMERGING IT PRODUCT DEVELOPMENTS</td><td colspan="2">Date of Approval</td><td>Click here to enter a date.</td></tr>
<tr><td>Module Code</td><td>6CC515</td><td>Module Level</td><td>5</td><td>Credit value</td><td>20</td></tr>
<tr><td rowspan="2">Module Delivery Mode</td><td colspan="2">Online/Distance ☐</td><td colspan="2">Blended/Face to Face ✓</td><td>Work-Based Learning ☐</td></tr>
<tr><td colspan="3"></td><td colspan="2">Hours of work experience: Choose an item.</td></tr>
<tr><td>Module Description</td><td colspan="5">Businesses and organisations need to continually develop their systems and technologies in order to be able to meet the challenges of the modern globalised world.

Their challenge, however, is to be able to make rational decisions about which technologies they should incorporate in their businesses.

Academia and other places of research continually invent new IT concepts, products and approaches, which are often over-sold and many of them fail to deliver the promised benefits and destroy significant amounts of shareholder value.

One of the key sources for identifying emerging IT products are the annual Gartner Hype curves for a range of application areas, see https://www.gartner.com/technology/research/methodologies/hype-cycle.jsp .

This module will provide the students with the opportunity to critically evaluate the claims of leading edge emerging Information Technologies against a range of evaluation frameworks in a range of scenarios and use-cases.</td></tr>
<tr><td>Module Learning Outcomes</td><td colspan="5">On successful completion of the module, students will be able to:

1. Be conversant and demonstrate higher analytical skills and critical understanding about developments in emerging technologies, and demonstrate the ability to make objective, rational decisions towards their adoption in the real world
2. Be able to identify and apply emerging technologies tools towards the development of an advanced IT product as well as justify and evaluate their developmental decisions</td></tr>
<tr><td>Module Content</td><td colspan="5">The module will address current, leading edge IT products, which can be identified by using sources such as the latest Gartner Hype curves (https://www.gartner.com/technology/research/methodologies/hype-cycle.jsp). The products under consideration for the module will typically be in the very early stages of the Gartner IT Market Clock</td></tr>
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	(https://www.gartner.com/technology/research/methodologies/it-market-clock.jsp). A range of technical and business evaluation frameworks will be used to critically evaluate the claims and capabilities of these emerging products, especially those on the hype curves from the Innovation Trigger to the Peak of Inflated Expectations through to the Trough of Disillusionment. Products that have emerged onto the Slope of Enlightenment to the Plateau of Productivity will provide additional understanding of the factors that lead an emerging product to become widely used. Students will research a range of emerging IT products and, using a wide range of research and industry toolsets, develop a small prototype from which they will then develop a critical evaluation of the technology in a specific, student negotiated use-case. By doing this project, students will gain an insight into the approach and processes that businesses should be undertaking to evaluate new and emerging technologies in order to ensure that a business can gain organisational value from the technology. The students will research leading edge IT products	
Module Learning and Teaching	Scheduled Learning and Teaching Activities Seminar - 1 hour per week Workshop - 2 hours per week in computer lab	18%
	Guided Independent Study	82%
Module Assessment	**Component 1**: COURSEWORK Summary of Assessment Method: A research based critical evaluation of an emerging IT product in a student negotiated context. It is likely that this report will be the justification for the project to be undertaken for CW2. Equivalent to approx. 1500 words. Weighting: 40 % Assesses Learning Outcome: 1 **Component 2**: COURSEWORK Summary of Assessment Method: Students will use an emerging IT Product to develop a small prototype system. Ideally this will match the technology and use-case from CW1. Following this they will write and present a critical, technical and business evaluation of the project based on a range of appropriate and justified evaluation frameworks. Equivalent to approximately 2000 words Weighting: 60% Assesses Learning Outcome: 2	

Reading List	Link to Aspire