Module Specification

Module Summary Information

1	**Module Title**	eDiscovery and Data Analytics
2	**Module Credits**	20
3	**Module Level**	7
4	**Module Code**	CMP7167

5	**Module Overview**

This module is designed to provide you with the essential knowledge and skills required to understand the concepts, tools and techniques for the discovery of electronically stored information (ESI) and the use of big data and statistical and qualitative analysis, in conjunction with explanatory and predictive models, to guide and identify issues warranting further review in the context of forensic analysis.

The module will foster your skills in discovering patterns in digital evidence containing large datasets and complex problem solving by applying specialist techniques to uncover events and statistical information and effectively present your findings to any audience using appropriate data visualisation and evidence presentation techniques.

The module is delivered through a flipped methodology placing significant emphasis on the development of practical skills supported by blended learning and a variety of learning activities including lectures, seminars, practice-led, self-directed and experiential learning; in person and online through Virtual Learning Environments (VLE).

This module is assessed by a practical exam requiring you to analyse, interpret and draw conclusions regarding data exchange, potential anomalies and events correlations from a fictitious digital forensics case.

6	**Indicative Content**

E-Discovery and Digital Evidence
E-Discovery Planning and Tools
E-Discovery Evidence and Case Flow
Information Governance and Litigation Preparedness
Forensic Investigations and Big Data
Identifying Big Data Evidence
Collecting and Analysing Application Data
Presenting Forensic Findings

7	Module Learning Outcomes On successful completion of the module, students will be able to:	
	1	Devise a retention, protection, search and production strategy of relevant content as part of an organisation's litigation
	2	Administer methods of discovering patterns and detecting anomalies in digital evidence containing large datasets.
	3	Demonstrate practical skills of processing evidence using industry standard eDiscovery and Data Analytics tools to extract meaning.
	4	Critically analyse the processed evidence in order to derive intelligence and establish event correlations

8	Module Assessment			
Learning Outcome				
	Coursework	Exam	In-Person	
1-4	X			

9	Breakdown Learning and Teaching Activities	
Learning Activities		Hours
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable		48
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE		92
Private Study (PS) includes preparation for exams		60
Total Study Hours:		200