

Forensic Investigatory Practice

Module Information

2022.01, Approved

Summary Information

Module Code	6103COMP
Formal Module Title	Forensic Investigatory Practice
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Computer Science and Mathematics

Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	33

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To develop an understanding of the role of the expert witness in trials involving computer forensics. Identify a range of appropriate methodologies and tools used during an investigation. Analysis of forensic images and preparation for presentation of results in a court of law.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Identify techniques used by criminals to hide data and apply these to a simulated crime.
MLO2	2	Plan and apply search and seizure procedures and preparation for taking a forensic image of a storage device.
MLO3	3	Evaluate the findings of a forensic image analysis.
MLO4	4	Appraise legal issues relating to presenting evidence in a court of law.
MLO5	5	Plan and develop an expert witness statement

Module Content

Outline Syllabus	Identification of techniques used by criminals to commit crimes on digital devices, Preparing a computer for investigation, Processing the crime or incident scene, Search preparation and the tools required to perform a search, Securing evidence from the computer, Data acquisition and the use of write blockers, Identification of digital evidence on mobile devices, Reporting the results of the investigation, The role of the expert witness, English Law and its application to computer forensic investigations, Maintaining the chain of custody to ensure the integrity of evidence.
Module Overview	
Additional Information	To provide an understanding of computer forensics investigations and presentation of the results in a court of the law.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Technology	Simulated crime	20	0	MLO1
Centralised Exam	Forensic Report	50	0	MLO2, MLO3, MLO4
Presentation	Forensic Presentation	30	0	MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Thomas Berry	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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