

Summary Information

Module Code	7105PSCPD
Formal Module Title	Forensic Bioscience
Owning School	Justice Studies
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Lecture	12
Practical	12
Seminar	2
Tutorial	4
Workshop	10

Module Offering(s)

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

SEP-CTY	CTY	September	12 Weeks
---------	-----	-----------	----------

Aims and Outcomes

Aims	This CPD award aims to allow students to critically appraise the use and analysis of biological material within a forensic context and to demonstrate their understanding of the importance and limitations of such analysis. Students should develop an ability to perform a wide range of laboratory investigations pertinent to this area of study, interpret the results and be able to review current literature in the area, discuss limitations of a range of case studies and suggest newer and/ or more appropriate methods of investigation.
------	--

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Apply and adapt problem solving skills to unfamiliar and complex situations relevant to forensic bioscience
MLO2	2	Critically evaluate established and developing techniques in forensic bioscience
MLO3	3	Record, interpret and evaluate biological data in a manner appropriate for forensic science.

Module Content

Outline Syllabus	Forensic microbiology including for example, bioterrorism, the role of microorganisms in decomposition and analysis of personal microbiota The role of the pathologist and the medicolegal autopsy including auxiliary roles and analysis such as histology Forensic entomology - for example post mortem interval determination, endotoxicology Diagnosis of drowning - use of diatoms and cyanobacteria Pollen analysis Use of techniques such as stable isotope analysis
Module Overview	
Additional Information	<p>Programme code: 35939 There are no professional body requirements at present. Developments of the College of Policing are constantly monitored and incorporated, where appropriate. Benchmark Statement: There are no subject benchmarks for police studies but cognisance has been taken of the evolving police professionalisation agenda and where applicable the requirements of the College of Policing, together with appropriate National Occupational Standards for policing set out by Skills for Justice, the Benchmark Statements for Criminology and other QAA Benchmark Statements when appropriate. Mode and Duration of Study: This CPD module will be offered on a part time basis and through delivery on-site (at LJMU) or through a blended delivery process incorporating some distance learning. However, and of note, this module is not available entirely off-site (UK or overseas) owing to some of the practical elements of its content. Delivery will be supported by the Virtual Learning Environment, Canvas. Whilst the intake month is flexible, with the module being able to commence in semester 1, semester 2 or the summer period, the duration of study will usually be across 18 weeks, with scope to negotiate with a student or their employing organisation for shorter or longer periods. Criteria for admission: The entry requirement is a first degree at 2:2 or above, international equivalent or through RPEL. This CPD programme is open to recruitment for Police Officers or Police Staff. The content of the programme is also of relevance to individuals working in other law enforcement agencies who have investigation, incorporating the examination of scenes and forensic awareness, as a key element of their work processes (e.g. the NCA, DWP and H&S Executive). Name of final award: Certificate of Professional Development - Forensic Bioscience Student Support: The University aims to provide students with access to appropriate and timely information, support and guidance to ensure that they are able to benefit fully from their time at LJMU. All students are assigned a Personal Tutor to provide academic support and when necessary signpost students to the appropriate University support services. Students are able to access a range of professional services including: Advice on practical aspects of study and how to use these opportunities to support and enhance their personal and academic development. This includes support for placements and careers guidance. Student Advice and Wellbeing Services provide students with advice, support and information, particularly in the areas of: student funding and financial matters, disability, advice and support to international students, study support, accommodation, health, wellbeing and counselling. Students studying for an LJMU award at a partner organisation will have access to local support services. Assessment Regulations: All programmes leading to LJMU awards operate within the University's Academic Framework. https://www.ljmu.ac.uk/about-us/public-information/academic-quality-and-regulations/academic-framework Compulsory attendance requirements: Students should attend all taught sessions in line with the University's Attendance Policy. This course was written in 2018. Methods for Evaluating and Improving Quality: All programmes leading to LJMU awards have been designed and approved in accordance with the UK Quality Code for Higher Education, including the Framework for Higher Education Qualifications in the UK (FHEQ) and subject benchmark statements where applicable. The University is subject to periodic review of its quality and standards by the Quality Assurance Agency (QAA) Published review reports are available on the QAA website at www.qaa.ac.uk Programmes which are professionally accredited are reviewed by professional, statutory and regulatory bodies (PSRBs) and such programmes must meet the competencies/standards of those PSRBs. The University uses the results of student feedback from internal an</p>

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	2500 word Laboratory portfolio	50	0	MLO2, MLO3
Presentation	Seminar presentation	50	0	MLO1, MLO2

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Suzanne McColl	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------