University of the West of Scotland

Module Descriptor

Session: 2024/25

Paisley:

Ayr:

Dumfries: Lanarkshire:

	10010	SCQF Leve (Scottish C and Qualification Framework	redit	Cred 20	it Points	ECTS: 1 (Europe Credit T Scheme	an ransfer	
School: School of Computing, Engineering and Physical Sciences								
Module Co-o	rdinator:	Carrie Mulle	en					
Summary of	Module							
on the analyti understanding Where possib This module v	vill focus on the cal methods con g of real-time PC le, material covering strengthen suiring competender.	vered in prev CR and a mo ered in lectu everal of the	vious more in-de res will key 'I a	odules epth si be illu am UV	s to includ tudy of ev Istrated th VS' Gradi	de more detail valuative repo nrough lab wo uate Attributes	ed rting. rk. s, with	
	very Method							
Module Deliv		Fully	l la da o	:-10	Hybrid	Work-Ba	sed	
Module Deliv	ery Method Blended	Fully Online	Hybr	idC	Hybrid 0	Work-Ba Learnir		
Module Deliv		•	Hybr	idC				
Module Deliv Face-To- Face ⊠		Online	Hybr	idC	0			

Other:

Distance/Online Learning:

London:

\boxtimes											Add name
Term	Term(s) for Module Delivery										
(Provided viable student numbers permit).											
Term	1		٦	Γerm 2	m 2		\boxtimes		Term 3		
These appro	Learning Outcomes: (maximum of 5 statements) These should take cognisance of the SCQF level descriptors and be at the appropriate level for the module. At the end of this module the student will be able to:										
L1			and work A STR pr		-			•	and legal red ere	luire	ments of
L2		n interpo od ratios		of DNA	STR p	rofi	ling resu	ılts,	including cal	cula	tion of
L3	Critical field.	ly evalu	ate DNA	STR p	rofiling	res	sults citin	ng s	significant res	earc	h in the
L4				-					itilisation of te	chn	iques of
L5	Demon pattern		ne ability	to criti	cally e	valu	ate body	y flu	uid evidence a	and	blood stain
Empl	oyabilit	y Skills	and Pe	rsonal	Develo	opn	nent Pla	nn	ing (PDP) Sk	ills	
SCQF	Headiı	ngs	During of achieve				module	, th	nere will be an	opp	oortunity to
	ledge ar		SCQF L	_evel 1	0						
	Understanding (K and U) Critical analysis and understanding of the biology that underpi forensic science.							t underpins			
Practice: Applied SCQF Level 10											
Knowledge and Understanding The application of knowledge and understanding gained applied in forensic biology. Students should be able to c evaluate the techniques and our understanding of the so important in forensic biology						o critically					
Gene skills	ric Cogn	itive	SCQF L	_evel 1	0						
SIIIAG				•			fic data		king judgeme	nts	on the

Co-requisites	Module Code: Module Title:				
	Other:	Or suitable alternative			
	Module Code: CHEM9009	Module Title: Forensic Laboratory Techniques			
Pre-requisites:	Before undertaking the undertaken the follow	nis module the student should have ring:			
Autonomy, Accountability and Working with others	SCQF Level 10 Show a professional approach to assessing ones own learning needs and studying independently				
Communication, ICT and Numeracy Skills	Use oral and written communication techniques that would be expected in employment, including a formal court report. Use of software in communication. Critically evaluate material found in databases and other sources.				

^{*}Indicates that module descriptor is not published.

Learning and Teaching

In line with current learning and teaching principles, a 20-credit module includes 200 learning hours, normally including a minimum of 36 contact hours and maximum of 48 contact hours.

Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	Student Learning Hours (Normally totalling 200 hours): (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture/Core Content Delivery	24
Laboratory/Practical Demonstration/Workshop	24
Independent Study	152
	Hours Total 200

**Indicative Resources: (eg. Core text, journals, internet access)

The following materials form essential underpinning for the module content and ultimately for the learning outcomes:

Butler, J. (2005) Forensic DNA Typing 2nd Ed. Elsevier (MA) ISBN: 9780121479527

Nafte M., Flesh and Bone: An Introduction to Forensic Anthropology. Academic Press, ISBN:0890896380

Wonder A (2001) Blood Dynamics, Academic Press ISBN: 0127624570

Please ensure the list is kept short and current. Essential resources should be included, broader resources should be kept for module handbooks / Aula VLE.

Resources should be listed in Right Harvard referencing style or agreed professional body deviation and in alphabetical order.

(**N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)

Attendance and Engagement Requirements

In line with the <u>Student Attendance and Engagement Procedure</u>: Students are academically engaged if they are regularly attending and participating in timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time.

For the purposes of this module, academic engagement equates to the following:

Attending lectures, workshops and laboratory practicals. Contributing to workshop discussions. Coming to class prepared, having reflected on the previous lesson and completed any post/pre class activities. Keep up-to-date with Aula communications.

Equality and Diversity

The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: <u>UWS Equality</u>, <u>Diversity and Human Rights Code</u>.

Aligned with the University's commitment to equality and diversity, this module supports equality of opportunity for students from all backgrounds and learning needs. Using the VLE, material will be presented electronically in formats that allow flexible access and manipulation of content. This module complies with University regulations and guidance on inclusive learning and teaching practice. This module has lab-based teaching and as such you are advised to speak to the Module Co-ordinator to ensure that specialist assistive equipment, support provision and adjustment to assessment practice can be put in place, in accordance with the University's policies and regulations.

(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)

Supplemental Information

Divisional Programme Board	Physical Sciences
Assessment Results (Pass/Fail)	Yes □No ⊠
School Assessment Board	Physical Sciences
Moderator	Ciaran T Ewins
External Examiner	I Turner
Accreditation Details	This is a core module in programmes Accredited and Recognised by the Chartered Society of Forensic Sciences
Changes/Version Number	2.13 General housekeeping to text across sections. Updated teaching hours. Removed exam from assessment and replaced with class tests.

Assessment: (also refer to Assessment Outcomes Grids below)
Assessment 1: Coursework 50%
Assessment 2: Class test 25%

Assessment 3: Class test 25%

- (N.B. (i) **Assessment Outcomes Grids** for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed.
- (ii) An **indicative schedule** listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Module Handbook.)

Assessment Outcome Grids (See Guidance Note)

Component	Component 1								
Assessme nt Type (Footnote B.)	Learning Outcome (1)	Outcome	Learning Outcome (3)	Outcome	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetable d Contact Hours		
Coursework	✓	✓	✓		✓	50			

Component 2									
Assessme nt Type (Footnote B.)	Learning Outcome (1)	Outcome	Learning Outcome (3)	Outcome	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetable d Contact Hours		
Class test 1	✓				✓	25			

Component	Component 3									
Assessme nt Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Outcome	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetable d Contact Hours			
Class test 2				✓		25				
	Combined Total for All Components						XX hours			