

ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data					
Module Title	Wildlife Forensic	S			
Module Code	USSKM9-15-M		Level	М	Version 1
Owning Faculty	Health and Applied Sciences		Field	Department of Applied Sciences.	
Department	Applied Sciences				
Contributes towards	MSci Forensic Science				
UWE Credit Rating	15	ECTS Credit Rating	7.5	Module Type	Standard
Pre-requisites	None		Co- requisites	None	
Excluded Combinations	None		Module Entry requirements	None	
Valid From	September 2016		Valid to	September 2022	

CAP Approval Date May 2016

Part 2: Learning and Teaching						
Learning Outcomes	On successful completion of this module students will be able to:					
	 Critically evaluate the realised and potential role of animals, plants and fungi in forensic investigation (Component B; Component A). 					
	 Analyse forensic evidence originating from wildlife crime in the laboratory, using a range of advanced analytical and microscopic techniques. (Understanding demonstrated in Component A and B). 					
	 Appraise the scale and nature of international and national wildlife crime and links to other types of serious crime (Component A). 					
	 Evaluate the drivers for national and international wildlife crime and how this informs strategies for prevention and prosecution. (Component A) 					
	• Critically evaluate the contribution of forensic science, legislation and community- based initiatives in the prevention and prosecution of wildlife crime and also in 'damage limitation'. (Component A).					
Syllabus Outline	Forensic Ecology The potential and realised contribution of animals, plants, fungi and their derivatives in investigating serious crimes such as rape, murder and serious pollution events.					
	UK Wildlife Crime Current priorities of the National Wildlife Crime Unit: Raptor persecution, badger persecution, bat persecution, poaching. Drivers of these crimes and legislation used to prevent and prosecute them. The use of morphological examinations and biological and chemical analyses in these investigations.					
	International Wildlife Crime					

	The illegal pet trade including trade in primates, birds and tortoises. The illegal trade in animal parts for food, 'medicine' and ornamental artefacts including ivory, rhino horn, reptile skin, shark fins, bush meat, dolphin meat and tiger and bear derivatives. Drivers for international wildlife crime and the role of CITES, community initiatives and international organisations in combating wildlife crime. The use of morphological examinations and biological and chemical analyses in these investigations. Transferable Skills Development of skills in the chemical and biological analysis and morphological examination have broad, beyond subject applications. Critical evaluation of scientific literature. Data analysis and presentation. Engagement with current issues in Wildlife Forensics.						
Contact Hours		vill run in semest an integrated mix					
Teaching and Learning Methods	Scheduled Learning The theoretical underpinning of the module is delivered through an online lecture series and a series of laboratory practical classes. Students are supported in their learning at timetabled bi-weekly tutorial sessions. Independent Learning It is additionally expected that students will spend a significant proportion of the study time for this module engaging with relevant scientific literature, as directed by academic staff. It is expected that independent study will take students to the notional 150 hours of study associated with this module.						
Key Information Sets Information	this module co comparable so	on Sets (KIS) are ontributes to, wh ets of standardis udents to compa pplying for.	ich is a require ed information	ement set by l about under	HESA/HEFCE graduate cou	 KIS are rses allowing 	
	Key Info	rmation Set - Mo	odule data				
	Number	of credits for this	s module		15		
	Hours to be allocated	learning and	Independent study hours	Placement study hours	Allocated Hours		
	150	36	114	0	150		
		ow indicates as a	a percentage t	he total asses	sment of the	module whic	ch

		e description:		veightings ir	nent and will not in the Assessment section
		Coursework ass	essment percen	tage	50%
		Practical exam a	ssessment perc	entage	0%
					100%
Reading Strategy	available to the electronic jour information ga relevant resour accessed rem to develop the resources effe Any essentia e.g. students pack or be ref available eithe through any o If further read a clear indicat students will b	tem through mem rnals and a wide wateways. The Universes and services notely. Students water information retrectively. I reading will be in may be expected ferred to texts that er in the module has the rehicle deem ding is expected, tion will be given retrection of the served to the served to text the served to the served	bership of the Ur variety of resource versity Library's versity Library's versity Library's versity Library's versity and to the library ill be presented version of the library of the li	niversity. The es available veb pages p ary catalogue with opportu- tion skills in along with the et text, be give ectronically, module info by the module ated clearly. access them	and electronic resources ese include a range of through web sites and rovide access to subject e. Many resources can be nities within the curriculum order to identify such he method for accessing it, ven or sold a print study etc. This guidance will be ormation on Blackboard or le/programme leaders. If specific texts are listed, n and, if appropriate, sources for themselves,
Indicative Reading List	 Byrd, J. investigat Cooper, J Coyle, H casework Gennard, Blackwell Hall, D., E Huffman, Wiley-Bla Meier-Aug Forensic J Journals Assessments wildlife forens access to a huge	ions. CRC Press. I.E. and Cooper, N .M. (2004) Fore CRC Press. D. (2012) Fore Byrd, J. (2012) Fore Byrd, J. (2012) Fore Byrd, J. (2012) Fore Byrd, J. (2012) Fore	ic Entomology: M.E. (2013) Wildl nsic Botany: Pr nsic Entomology rensic Botany: A R. (2011) Wildlife 10) Stable Isoto ble Isotope Analy	The utility ife Forensic inciples and : An Introdu Practical Gu Practical Gu Forensics: ppe Forensic sis. Wiley-E sis. Wiley-E	of arthropods in legal Investigation. CRC Press. d applications to criminal uction (2 nd edition). Wiley- uide. Wiley-Blackwell. Methods and Applications. cs: An introduction to the Blackwell.

can be accessed via the e-journals A-Z list on the library website. Journal articles of relevance to a particular lecture will be indicated by the academic leading the session.

Part 3: Assessment				
Assessment Strategy	Coursework (50%)			
	Forensic Palynology and Entomology case study. An assignment based on the processing and critical evaluation of palynological and entomological evidence from an outdoor body site, in order to determine key facts relating to the case e.g. characteristics of previous locations of the victim, minimum post-mortem interval. Students will be introduced to the coursework including the detailed marking scheme, when they encounter these evidence types during the taught sessions.			
	Examination: 1.5 hours (50%) The controlled component is a written exam. The exams will be 1.5 hours duration, which is consistent with the Department's assessment strategy for Level M modules. This assessment will provide students with an opportunity to demonstrate both their knowledge on a broad range of topics through a selection of essay questions. This assessment will test a range of the learning outcomes and will provide a valuable learning experience through critical evaluation and demonstrating knowledge.			

Identify final assessment component and element	Compon	ent A	
		A:	B :
% weighting between components A and B (Star	ndard modules only)	50%	50%
First Sit			
Component A (controlled conditions) Description of each element		Element v (as % of co	
1. 1.5 hour examination		100%	
Component B Description of each element		Element weighting (as % of component)	
1. Palynology and Entomology Case Study (28	500 words)	100%	

Resit (further attendance at taught classes is not required)				
Component A (controlled conditions) Description of each element	Element weighting (as % of component)			
1. 1.5 hour examination	100%			
Component B Description of each element	Element weighting (as % of component)			
Palynology and Entomology Case Study (2500 words)	100%			

If a student is permitted an **EXCEPTIONAL RETAKE** of the module the assessment will be that indicated by the Module Description at the time that retake commences.