Session: 2024/25

SCQF Level: 10 (Scottish Credit and Qualifications Framework)	Credit Points: 20	ECTS: 10 (European Credit Transfer Scheme)
,	g, Engineering and Pr	ysical Sciences
Steve Eager		
rotocols such as SNM bugh a variety of progra	P and IPFIX; standard	I management APIs eb-based
	(Scottish Credit and Qualifications Framework) School of Computing Steve Eager Ditored using a variety rotocols such as SNM	(Scottish Credit and Qualifications Framework) School of Computing, Engineering and Ph

Ethically-minded • Research-minded Work Ready • Problem-Solver • Effect Communicator • Ambitious Successful • Autonomous • Resilient • Driven

Module Deliv	ery Method				
Face-To- Face	Blended	Fully Online	HybridC	HybridO	Work-based Learning
same room for the Blended A mode of delivery assessment activit of face-to-face, onl must be described Fully Online Instruction that is s used terms distant HybridC Online with manda HybridO Online with optiona Work-based Lear	whole provision. of a module or a prises, student support line and blended modility as blended with clear solely delivered by with clear solely delivered	ogramme that involv and feedback. A pro dules. If an online pr arly articulated delive reb-based or internet arning.	res online and face- ogramme may be co- rogramme has any of ery information to m t-based technologie	to-face delivery of le onsidered "blended" compulsory face-to- nanage student expe is. This term is used	meet synchronously in the earning, teaching and if it includes a combination face and campus elements it ectations to describe the previously

Campus(es)	for Module Do	elivery				
	vill normally ble student nur		ne following ca	ampuses / or by	y Distance/Online	Learning:
Paisley:	Ayr:	Dumfries:	Lanarkshire:	London:	Distance/Online Learning:	Other:

\checkmark			\checkmark			
Term(s) for I	Module Deliv	very				
(Provided via	ble student r	numbers permit).			
Term 1		Term 2		\checkmark	Term 3	

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Learning Outcomes: (maximum of 5 stateme	ents)	
L1. Demonstrate a critic tools. L2. Select and apply se network behaviour.	everal appropriate softwa	udent will be able to: inge of network management protocols and ire tools to control and/or monitor specific ethod of network automation	
Employability Skills a	nd Personal Developm	ent Planning (PDP) Skills	
SCQF Headings	During completion of this module, there will be an opportunity to achieve core skills in:		
Knowledge and Understanding (K and U)	protocols	of network management and monitoring ns and weakness of various approaches to	
Practice: Applied Knowledge and Understanding	specific task	agement and monitoring tools appropriate to a anagement and monitoring tasks using scripts	
Generic Cognitive skills	SCQF Level 10. Critically reviewing network management and monitoring protocols and tools		
Communication, ICT and Numeracy Skills	SCQF Level 9. Writing software for aut	omation of tasks	
Autonomy, Accountability and Working with others	SCQF Level 9. Exercising autonomy a	nd initiative when managing IT infrastructure	
Pre-requisites:	Before undertaking this the following:	module the student should have undertaken	
	Module Code: COMP09024	Module Title: Unix System Administration	
	Other:		
Co-requisites	Module Code: COMP10014	Module Title: Network Security	

 COMP10014
 Network Secu

 * Indicates that module descriptor is not published.
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Learning and Teaching

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)
Tutorial/Synchronous Support Activity	12
Laboratory/Practical Demonstration/Workshop	36
Independent Study	152
	200 Hours Total

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

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

(**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)

Engagement Requirements

In line with the Academic Engagement Procedure, Students are defined as academically engaged if they are regularly engaged with timetabled teaching sessions, course-related learning resources including those in the Library and on the relevant learning platform, and complete assessments and submit these on time. Please refer to the Academic Engagement Procedure at the following link: <u>Academic engagement procedure</u>

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Supplemental Information

Programme Board	Computing
Assessment Results (Pass/Fail)	No
Subject Panel	Business & amp; Applied Computing
Moderator	Duncan Thomson
External Examiner	R Khusainov
Accreditation Details	
Version Number	1.06

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Assessment: (also refer to Assessment Outcomes Grids below)

This module is primarily concerned with developing hands-on skills managing and monitoring networks and as such the assessments are focused on the work carried out in the practical lab sessions and submissions based on work carried out in the labs is worth 50% of the marks for the module.

A practical implementation of Management, Monitoring and Automation tools for the management and control of a enterprise class network (with an associated report) forms the other 50%

(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 Handbook.)

Assessment Outcome Grids (Footnote A.)

Component 1	L						
Assessment Type (Footnote B.)	-	Learning Outcome (2)	Learning Outcome (3)	Weighting (%) of Assessment Element	Timetabled Contact Hours		
Report of practical/ field/ clinical work	\checkmark	\checkmark	\checkmark	50	12		
Component 2	2						

Assessment Type (Footnote B.)		Learning Outcome (2)	Learning Outcome (3)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Report of practical/ field/ clinical work	\checkmark	\checkmark	\checkmark	50	24
Combined Total For All Components			100%	36 hours	

Footnotes

A. Referred to within Assessment Section above

B. Identified in the Learning Outcome Section above

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Note(s):

- 1. More than one assessment method can be used to assess individual learning outcomes.
- Schools are responsible for determining student contact hours. Please refer to University Policy on contact hours (extract contained within section 10 of the Module Descriptor guidance note). This will normally be variable across Schools, dependent on Programmes &/or

Professional requirements.

Equality and Diversity

The University policies on equality and diversity will apply to this module. In order for the student to complete this module the student will be required to take part in laboratory exercises, including assessments requiring completion in a special-purpose laboratory. Students with substantial physical impairments should be assessed and counselled prior to selecting courses requiring this module.

When a student discloses a disability a special needs advisor will agree the appropriate adjustments to be made, consulting with the module coordinator if necessary.

UWS Equality and Diversity Policy

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