Module Descriptor

Title	Windows Server Administration		
Session	2025/26	**Status**	Published
Code	COMP09089	**SCQF Level**	9
Credit Points	20	**ECTS (European Credit Transfer Scheme)**	10
School	**Computing, Engineering and Physical Sciences**		
Module Co-ordinator	S Eager		

Summary of Module

This module aims to provide the knowledge and skills appropriate for configuring and managing a range of the server roles offered by Microsoft Windows Server operating system. The module will initially look at network fundamentals such as network addressing and communications and will then progress on to the role of the network infrastructure servers in managing a corporate network. Students will study the theory behind such servers and gain skills necessary for their management through practical lab work. They will be guided through laboratory exercises to build their own server infrastructure with servers installed in a virtual environment. The server roles will typically include: Domain Controller, DNS, DHCP, Web, SMTP and RRAS.

The module is designed to develop sought after graduate attributes that include: practical experience in working with servers in a simulated but realistic situation but also understanding the theory and practice behind a typical Windows Server infrastructure.

Module Delivery Method	**On-Campus[1]** ☒	**Hybrid[2]** ☐	**Online[3]** ☐	**Work -Based Learning[4]** ☐
Campuses for Module Delivery	☐ Ayr ☐ Dumfries	☒ Lanarkshire ☐ London ☒ Paisley	☐ Online / Distance Learning ☒ Other (specify)	

[1] Where contact hours are synchronous/ live and take place fully on campus. Campus-based learning is focused on providing an interactive learning experience supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus contact hours will be clearly articulated to students.

[2] The module includes a combination of synchronous/ live on-campus and online learning events. These will be supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus and online contact hours will be clearly articulated to students.

[3] Where all learning is solely delivered by web-based or internet-based technologies and the participants can engage in all learning activities through these means. All required contact hours will be clearly articulated to students.

[4] Learning activities where the main location for the learning experience is in the workplace. All required contact hours, whether online or on campus, will be clearly articulated to students

Terms for Module Delivery	Term 1	☒	Term 2	☐	Term 3	☐
Long-thin Delivery over more than one Term	Term 1 – Term 2	☐	Term 2 – Term 3	☐	Term 3 – Term 1	☐

Learning Outcomes	
L1	Demonstrate knowledge and understanding of network management concepts
L2	Demonstrate ability to configure Microsoft Windows Server to perform several fundamental roles.
L3	Demonstrate knowledge of a network environment integrated with Microsoft Windows Server.
L4	N/A
L5	N/A

Employability Skills and Personal Development 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)	**SCQF 9** Knowledge and understanding of Windows networking will be instilled through classroom lectures and guided system configuration.
Practice: Applied Knowledge and Understanding	**SCQF 9** Applied knowledge and understanding of Windows networking will be demonstrated through the successful completion of laboratory-based coursework assignments.
Generic Cognitive skills	**SCQF 9** Through laboratory-based coursework assignments, students will have to identify problems, formulate and implement solutions, and analyse results.
Communication, ICT and Numeracy Skills	**SCQF 9** Students will work on real server systems much of the time and will be required to calculate network parameters during configuration exercises. Communication of ideas and solutions will be fundamental in lab work and in assessments
Autonomy, Accountability and Working with Others	**SCQF 9** Students will have to exercise autonomy and initiative to work with the selected software at a professional level. They will also be required to work with others to build a working network.

Prerequisites	**Module Code**	**Module Title**
	Other	
Co-requisites	**Module Code**	**Module Title**

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.

The module will be delivered by means of lectures, tutorials and practical lab work aimed at developing the knowledge and skills required to confidently manage a Windows Server based network.

The lectures will introduce the theory behind, and develop the essential tasks involved in server management, while the follow-on lab work will enable students to put into practice what they have learned. The tutorial sessions will help consolidate both the lecture material and the skills practiced during the lab work.

Students will build up their own servers and configure domain requirements based on a given scenario. They will implement and test a range of server features designed to provide a comprehensive understanding of the functions of specific server roles.

Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	**Student Learning Hours** (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture / Core Content Delivery	12
Tutorial / Synchronous Support Activity	6
Laboratory / Practical Demonstration / Workshop	30
Independent Study	152
Please select	
Please select	
TOTAL	200

Indicative Resources

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

Students will need access to a networked computer loaded with virtualization software with extensions, hosting multiple Windows Server systems to enable practical lab work and assignments to be completed.

Lecture notes, laboratory sheets and tutorial questions will be posted on VLE.

Microsoft knowledge base and support materials at https://technet.microsoft.com

(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 Student Attendance and Engagement Procedure, 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:

The School of Computing, Engineering and Physical Sciences considers attendance and engagement to mean a commitment to attending, and engaging in, timetabled sessions. You will scan your attendance via the scanners each time you are on-campus and you will login to the VLE several times per week. Where you are unable to attend a timetabled learning session due to illness or other circumstance, you should notify the Programme Leader that you cannot attend. Across the School an 80% attendance threshold is set. If you fall below this, you will be referred to the Student Success Team to see how we can best support your studies.

Equality and Diversity
The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: UWS Equality, Diversity and Human Rights Code. 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	**Computing**
Overall Assessment Results	☐ **Pass / Fail** ☒ **Graded**
Module Eligible for Compensation	☐ **Yes** ☒ **No** **If this module is eligible for compensation, there may be cases where compensation is not permitted due to programme accreditation requirements. Please check the associated programme specification for details.**
School Assessment Board	Business & Applied Computing
Moderator	D Thomson
External Examiner	R Khusainov
Accreditation Details	
Module Appears in CPD catalogue	☐ **Yes** ☒ **No**
Changes / Version Number	1.4

Assessment (also refer to Assessment Outcomes Grids below)
Assessment 1
Coursework - Practical assignment (this will take place at the end of module delivery). The coursework will be worth 50% of the module mark.
Assessment 2
Class Test - The Class test (unseen closed book) element will be worth 50% of the overall module mark.

Assessment 3
(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.)

Component 1							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Unseen closed book (standard)	☒	☐	☒	☐	☐	50	2

Component 2							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Class test (practical)	☐	☒	☐	☐	☐	50	3

Component 3							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
	☐	☐	☐	☐	☐		
Combined total for all components						100%	hours

Change Control

What	**When**	**Who**
Attendance and EDI Regulations	21/01/2025	L Cunningham
Minor change of wording for Assessment 2	23/06/2025	S Eager