

 Prifysgol Cymru Y Drindod Dewi Sant University of Wales Trinity Saint David	Wales Institute of Science and Art		
	Applied Computing		
	Network Programmability (ACCA5029)		
	MILESTONE		
Lecturer: Dr. Nitheesh Murugan Kaliyamurthy; Munyaradzi Murira			
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To give students the ability to work with network programmability and automation tools, with a further focus on software devops.			
Week	Unit(s) Covered	Core Tasks	Independent Learning Tasks
Week 1(02-02-23)	Introduction: Overview, Module & Lab Prerequisites, DevNet Developer Environment.	Lab 1: Set up Virtual Enviroment and review Python and Linux skills	ILT1: Enrol to Cisco DevNet Couse (Finish before 31/05/23)

Week 9(27-04-23)	Project Activity Discussion		Continue with ILT 1 & ILT 3: Group Work (Contribute to your Coursework) Stage 4
Week 10(04-05-23)	Project Activity Discussion		Continue with ILT 1 & ILT 3: Group Work (Contribute to your Coursework) Stage 4
Note: The dates provided for each topic are only for reference and may vary based on your understanding. It is important to regularly check for updates during the lectures/ tutorials and make necessary adjustments to your study plans.			
Assessment	Outcome		Deadline
Component 1 50%	Demonstrate a robust understanding of the key principles of network programmability tools and languages to solve specific problems.	Implementation (Group Work) + Report	05th May 2023 at 1500 Hrs
Component 2 50%	Apply appropriate analysis, design, implementation and testing techniques for programming and automation of network devices.	Essay	10th March 2023 at 1500 Hrs
Book	Jason Edelman, Scott S. Lowe, Matt Oswalt. Network Programmability and Automation: Skills for the Next-Generation Network Engineer. 2018, O'Reilly Media Kief Morris. Infrastructure as Code: Managing Servers in the Cloud. 2016, O'Reilly Media		
Online Course	WWW.NETACAD.COM : CCNA - DEVNET COURSE		