	IT8323	Advanced Networking

Course Aim: To provide students with an advanced skills in current network technologies. The course will have a heavy emphasis on troubleshooting problems that occur in networks. Students will have to show problem solving and initiative to solve complex scenarios.

Short Title		Version	3
Faculty	EDICT	Effective From	February 2018
Polytechnic Level		Indicative NQF Level	8
Credits	15	Student Contact hrs	60
Pre-requisites	IT7003 (ITB6003)	Self-directed hrs	90
Co-requisites		Other directed hrs	0
Anti-requisites		Total learning hrs	150

Learning Outcomes

On successful completion of this course, students will be able to:

		NQF Sub-strand
1	Critically evaluate and implement appropriate solutions to interior and exterior routing protocol problems.	Practical Application of knowledge
2	Use specialist skills when designing and configuring a complex LAN infrastructure.	Practical Application of knowledge
3	Critically evaluate and implement Layer 2/Layer 3 Virtual Private Networks (VPNs).	Practical Application of knowledge
4	Design, implement and troubleshoot enterprise level networks.	Practical Application of knowledge