## IT7301

## **Ethical Hacking**



Course Aim To examine Information Technology security from the hacker's point of view to allow students develop countermeasures to stop security breaches. This will give students an insight into how to secure systems and to be work ready in the field of Information Technology with a focus on security.

Short Title none Faculty EDICT Polytechnic Level Credits 15

Pre-requisites IT6003 (ITB5003) & IT6004 (ITB5004) &

IT6008 (ITB5008)

Co-requisites None Anti-requisites none Version 2
Effective From February 2016
Indicative NQF Level 7
Student Contact hrs 90
Self-directed hrs 60

Other directed hrs 0 Total learning hrs 150

Learning	On successful completion of this course, students will be able to:	NQF Sub-strand
Outcomes	1 Explain the motivation, concepts and technologies used in ethical hacking.	Theoretical
		Understanding
		Generic, Problem
		Solving and
		Analytical Skills
	for security vulnerabilities.	Practical
		Application of
		knowledge
	,	Practical
		Application of
		knowledge
	5 Defend network infrastructure from a range of basic attacks using industry defined countermeasures.	Practical
		Application of
		knowledge