

Module Title:	NETWORKING 2
Academic year:	2009 – 2010
Credit Value:	5
Pre- requisites:	Networking 1
Assessment:	Exam-50%, CA-50%
Aims	This module provides the student with knowledge and skills to implement inter LAN and WAN routing; to apply security restrictions on network traffic (and its implications) and to develop network troubleshooting skills.
Module Content	<ul style="list-style-type: none"> • Router Fundamentals & Configuration • Routing • Transport Layer • ICMP • Access Control Lists • WANs
Intended Learning Outcomes:	<p>Having successfully completed this subject, the student will be able to :</p> <ul style="list-style-type: none"> • Design, build and troubleshoot a network using routers and hubs • Configure a router using the Cisco IOS command set • Implement static and dynamic routing, routing metrics, routing protocols, and configure a routing process on a router • Evaluate the operation of ICMP • Implement traffic filtering and security measures on a router using an Access Control List • Assess leased-line, dial-up and packet switched WAN services