Hashemite University
College of Engineering
Department of Computer Engineering

(1 Credit Hours/Dept. Compulsory)

Course Description:

This course aims to build a strong base on how to operate Cisco Network devices to construct, and maintain a network and to detect and solve its problems. The physical implementation of a network including the cables and cabling procedure is covered with the essential tools including the Cable Testers and the RG crimping tools.

Topic
Exp1: Network Cabling & troubleshooting Network connectivity using Windows Networking Utilities.
Exp2:   Subnetting and Variable Length Subnet Mask.
Exp3: Introduction to Routers
Exp4: Packet Tracer Network Simulator.
Exp5:   Introduction to Routing Protocols.
Exp6: Routing Protocols (2).
Exp7: Introduction To Access Control Lists.
Exp8: Introduction to switches and Virtual LANs.
Exp9: Inter-VLAN Routing
EXP10: Design an experiment to trace network failure.