F29XO Computer Networks

COURSE DETAILS
Course Code: F29XO
Full Course Title: Computer Networks
SCQF Level: 9
SCAF Credits: 15
Available as Elective: No

DELIVERY LEVEL
Undergraduate: Yes  Postgraduate Taught: No  Postgraduate Research: No
Additional Information:

COURSE AIMS
To introduce computer network architecture, protocol design and develop design network application systems skills

LEARNING OUTCOMES – SUBJECT MASTERY
Understanding computer network architecture and its design principle
Ability to design network protocol
Ability to design innovative web application system
Ability to design and develop

LEARNING OUTCOMES – PERSONAL ABILITIES
Ability to learn independently and work in teams
Communication skills and international perspective

SYLLABUS
Course requirements and layered architecture

Composition and communication of the transmission system

Principle of frequency division multiplexing, multipoint access, CSMA/CD

Wireless access, IEEE 802.11

Basic problems of routing, OSPF and RIP

Principle and implementation of TCP

Design and implementation of network applications

COURSE RELATIONSHIPS

N/A

LOCATION AND ASSESSMENT METHODS

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