Syllabus

Week	Hours	Learning Outcomes	Unit/Subject Name	Teaching Method	Evaluation Method
First	3	General concepts of communication	Communications between devices, components of the communications system and protocols	theoretical	General questions and discussion
Second	3	General concepts about networks	Definition of networks, types of connections, protocols and standards	theoretical	General questions and discussion
Third	3	Network Models	General study on network models (OSI and Internet models)	theoretical	General questions and discussion
Fourth	3	Learn more about network models.	A detailed study of the layers of network models	theoretical	General questions and discussion
Fifth	3	Physical layer study	Study of digital and analog data and signals	theoretical	General questions and discussion
Sixth	3	Learn more about the physical layer	Signals and communications, digital and analog transmission and limiters	theoretical	General questions and discussion
Seventh	3	Data Link Layer Study	Study the tasks and work of the data link layer	theoretical	General questions and discussion
Eighth	3	Learn more about the data link layer	Framing and error control	theoretical	General questions and discussion and monthly exam
Ninth	3	Network layer study	Study the tasks and work of the network layer	theoretical	General questions and discussion
Tenth	3	Learn more about the network layer	Addressing, Networking, Routing Concepts	theoretical	General questions and discussion
Eleventh	3	Learn more about the network layer	Routing, Routing Table Components, Routing Algorithms	theoretical	General questions and discussion
Twelfth	3	Transport layer study	Study the tasks and work of the transport layer	theoretical	General questions and discussion
Thirteenth	3	Learn more about the transport layer	Transport Layer Protocols, Congestion Control and Quality of Service	theoretical	General questions and discussion

Fourteenth	**3**	Identify cables and their types	Study the types of cables and compare them and their uses	theoretical	General questions and discussion
Fifteenth	**3**	Learn about devices and how to connect to the network	Networking using cables, routers and switches	theoretical	General questions and discussion