

Course Title	Networks and Computer Security
Course code	MIS 432
Pre-required courses	MIS 231
Course Level	Seventh
Credit Hours	3 hours
Teaching Language	Arabic
Course Description	
<p>This course provides students with the essentials of a computer network, in addition to advanced topics related to this field. The students study the network infrastructure, devices and principle of operation.</p> <p>In this course also, students study Information security including viruses types and spyware programs such as worms and Trojan horses. The course introduces different threats types and the expected risks when connecting to the Internet and how to defense regarding them. It also identifies authentication methods such as passwords and cryptography basics to satisfy best level of security</p>	
Course Aims	
<p>This course aims to:</p> <ul style="list-style-type: none"> • Explain network infrastructure, types and principle of operation. • Explain the practical principles of computer network including OSI module and network addressing. • Explain LAN technology and wireless networks. • Identify main principles of network security. • Apply network security procedures. • Identify and recognize how to prevent different viruses and threats types. • Identify the encryption principles and its application in computer network 	
Course Contents:	
<ul style="list-style-type: none"> • Main concepts of computer network. • Identifying and recognize different types of computer networks and how they connect. • Identifying the new technology of data communication. • Identifying main principles of network security • Applying network security procedures. • Identifying and recognizing how to prevent different types of viruses and threats. • Identifying the encryption principles and its application in computer network. 	