اعتماد
NCAAA

T4

2020

Course Specifications

Course Title:	Selected Topics in Computer Networks
Course Code:	503559-3
Program:	Bachelor in Computer Engineering
Department:	Department of Computer Engineering
College:	College of Computers and Information Technology
Institution:	Taif University

VISION
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

تميز
NCSEE

مسار
MASAR

اعتماد
NCAAA

قياس
QIYAS

www.etec.gov.sa

Table of Contents

A. Course Identification

1. Credit hours: 3	
2. Course type	
a. University ☐ College ☐ Department ☑ Others ☐	
b. Required ☐ Elective ☑	
3. Level/year at which this course is offered: (13-14-15)th Optional	
4. Pre-requisites for this course (if any)**:** Computer Network (503443-4)	
5. Co-requisites for this course (if any)**:** None	

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	5	100%
2	**Blended**		
3	**E-learning**		
4	**Distance learning**		
5	**Other**		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	**Lecture**	50
2	**Laboratory/Studio**	
3	**Tutorial**	
4	**Others** (specify)	
	Total	50

B. Course Objectives and Learning Outcomes

1. Course Description

This course covers emerging and advanced topics in computer networks. The contents will vary depending on the topic

2. Course Main Objective
1. Explain the architecture of emerging wired and wireless networks
2. Design and analyze complex network systems

3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	**Knowledge and Understanding**	
1.1	Understand the networks protocols architecture	K1
1.2		
1.3		

CLOs		Aligned PLOs
1...		
2	**Skills:**	
2.1	Evaluate the performance of networks through modern simulation tools.	S1
2.2		
2.3		
2...		
3	**Values:**	
3.1	Explain the contemporary issues in computer network systems	V1
3.2		
3.3		
3...		

C. Course Content

No	List of Topics	Contact Hours
1-10	Topics are chosen and distributed on 10 weeks of total 50 contact hours	50
	Total	50

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	**Knowledge and Understanding**		
1.1	Understand the networks protocols architecture	Lecture Discussion Brainstorming Problem Solving	Written Exams Quizzes Assignments
1.2			
…			
2.0	**Skills**		
2.1	Evaluate the performance of networks through modern simulation tools.	Lecture Discussion Projects	Written Exams Quizzes Assignments Project
2.2			
…			
3.0	**Values**		
3.1	Explain the contemporary issues in computer network systems	Lecture Discussion Brainstorming Self-Learning	Assignments Project
3.2			
…			

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quizzes, projects, and assignments	Continuous	30%
2	Midterm Exam	6	20%
3	Final Exam	12	50%
4			
5			
6			
7			
8			

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:
Teaching staff provide at least 6 office hours for students to help them in the course as well as in any other academic issues.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	To be defined by instructor according to the selected topics in the course.
Essential References Materials	
Electronic Materials	
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Traditional Classrooms,
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show, Blackboard system
Other Resources	

Item	Resources
(Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Extent of achievement of course learning outcomes	Students	Indirect (Survey)
Effectiveness of teaching and assessment	Students	Indirect (Survey)
Extent of achievement of course learning outcomes	Faculty	Course Report

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)
Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Computer Engineering Council / Curriculum Committee
Reference No.	16
Date	04/02/2019

قسم هندسة الحاسب
Computer Engineering Department
TU
جامعة الطائف
TAIF UNIVERSITY