

Kingdom of Saudi Arabia
The National Commission for Academic Accreditation & Assessment

370CIS-3
Data Communication and Computer Networks

Course Specification
First Semester 2016-2017

B. Objectives

1. Define the key terminologies and concepts of data communications and networking
2. Describe concepts of physical and data link layer protocols, and design/performance issues in local area networks and wide area networks
3. Explain services and features of the various layers of data networks
4. Design different types of networks based on IP classes and different network topologies
5. Explain basic protocols of network, transport, and application layer, and how they can be used to assist in network design and implementation

C. Course Description (Note: General description in the form to be used for the Bulletin or handbook should

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours

2. Course components (total contact hours and credits per semester):						
	Lecture	Tutorial	Laboratory	Practical	Other	Total
Contact Hours	32	4	4			49
Credits	2					3

3. Additional private study/learning hours expected for students per week.	4
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4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Method
1.0	Knowledge		
1.1	Not applicable to this course		
2.0	Cognitive		
2.1	Not applicable to this course		
3.0	Interpersonal		
3.1	Not applicable to this course		
4.0	Communication		
4.1	Not applicable to this course		
5.0	Psychomotor		
5.1	Not applicable to this course		

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task	Week Due	Proportion of Total Assessment
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D. Student Academic Counseling and Support

1. - Each faculty member should set up to 10 hours weekly as office hours in their time tables.
- Academic advisors are assigned to advise and support students.
- Instructors set specific office hours for each course he is teaching. The teaching load of staff members are available in the front of their offices.
- Instructors arrange and provide tutorials to students.

E. Learning Resources

1. List Required Textbooks
2. List Essential References Materials (Journals, Reports, etc.)
3. List Recommended Textbooks and Reference Material (Journals, Reports, etc.) - N/A
4. List Electronic Materials (eg. Web Sites, Social Media, Blackboard, etc.) - N/A
5. Other learning material such as computer-based programs/CD, professional standards or regulations and software. - N/A

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)

1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)
- Lecture room with 30-40 seats.
- White board with markers and erasers
- Lab room with 20 seats.
2. Computing resources (AV, data show, Smart Board, software, etc.)
- One PC and one projector and data show in the lecture room
- 20 PCs in the lab room
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)
- Printer is important in the lab to print reports and some snapshots.
- Projector and PC for the lab instructor is required
- Cabinet in the classroom and the lab to keep stuffs, markers, papers, etc.

G. Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching		
Methods	Ways	Plan of Action
2. Other Strategies for Evaluation of Teaching by the Program/Department Instructor		
- Discuss the best way of teaching with other faculty members.		
- Peer to peer evaluation of teaching.		
3. Processes for Improvement of Teaching		
- Relate CLOs to assessment methods and teaching strategies		
- Describe the relationships between the courses topics and CLOs.		
- Course syllabus must be distributed in the first week. It should contain the necessary information about the course (CLOs, assessment methods, descriptions, etc.)		
- Implement the improvement plan of previous semester.		
- Ensure that all students participate in the class.		
- Encourage students to attend tutorials and to benefit from office hours.		
- Contact lab instructor to make sure that the theory is consistent with the lab materials.		
4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution)		
- Course coordinator checks all exams and make sure that they are related to CLOs and appropriate for the course.		
- By the end of the semester, the curriculum committee reviews all courses and approves actions to be taken in the subsequent semester.		
- The vice dean and the dean of the college have to review and approve the final grades.		
- A list of staff members have to check the grades of each one of the students in all exams.		

5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.

- Each instructor has to teach the course according to the previous course materials and improvement plans.
- By the end of each semester, a course file containing all activities and samples must be prepared and submitted to the college.
- Evaluation of CLOs can be used to compare the improvement from previous evaluation.
- Improvement plan based on the online course survey must be prepared.
- Action plan based on the CLOs achievements must be prepared.

Teaching Staff : Jarallah Alqahtani

Signature : _____

Date of Report Completed : 26-Jan-2017

Received by : _____

Dean/Department Head

Signature : _____

Date : _____

