Menoufiya University
Faculty of Computers and Information
Department of Computer Science

جامعة المنوفية
كلية الحاسبات والمعلومات
قسم علوم الحاسب

Annual Course Report

(COMPUTER NETWORK-1)

A- Basic Information

1- Title and Code — Computer Network-1 / **IT361**

2- Programme(s) on which this course is given — CS, IT

3- Academic year / Level of programme — 3rd year / 1st Semester

4- Units/Weekly hours

Lecture [3] Tutorial/Practical [3] Total [6]

5- Names of lecturers contributing to the delivery of the course

1- Dr. Waiel Shawky

Course co-ordinator: Dr. Waiel Shawky

External evaluators: Not assigned yet

B- Statistical Information

No. of students attending the course: No. [31] % [100]

No. of students completing the course: No. [109] % [100]

Results:

Passed: No. [16] % [51.6] Failed: No. [15] % [48.4]

Grading of successful students:

Excellent: No. [2] % [6.5] Very Good: No. [3] % [9.7]

Good : No. [0] % [0] Pass: No. [11] % [35.5]

C- Professional Information

1- Course Teaching

Topics actually taught	No of hours	Lecturer
1 Computer Network Basics • Basics of Computer Hardware • Basics of Computer Software • Basic Networking Terminology	3	Dr. Waiel Shawky
2 The OSI Model • General Model of Communication • The OSI Reference Model • Comparison of the OSI Model and the TCP/IP Model	6	Dr. Waiel Shawky
3 Local Area Networks • Introduction • Topology • Network Devices	3	Dr. Waiel Shawky
4 Layer 1 • Electricity Basics • Media • Cable Specification and Termination • Making and Testing Cable • Collisions and Collision Domains	6	Dr. Waiel Shawky
5 Layer 2 • LANs and the Data Link Layer • MAC Addressing • Token Ring Basics • Layer 2 Devices	6	Dr. Waiel Shawky
6 Data Transmission • Concepts and Terminology • Analog and Digital Data Transmission • Transmission Impairments • Channel Capacity	6	Dr. Waiel Shawky
7 Data Encoding Techniques • Digital Data, Digital Signals • Encoding Schemes • Digital Data, Analog Signals • Modulation Techniques • Analog Data, Digital Signals • Analog Data, Analog Signals	6	Dr. Waiel Shawky
8 Data Link Control • Flow Control • Error Detection • Error Control • Frame Structure • HDLC Operation	6	Dr. Waiel Shawky

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [ ]

2- Teaching and Learning Methods:

Lectures:	√
Practical Training/ Laboratory:	√
Seminar/Workshop:	
Class Activity:	√
Case Study:	√

Other Assignments/Homework:
None

3- Student Assessment:

Method of Assessment	Percentage of total
Written examination	70
Oral examination	10
Practical/laboratory work	10
Other Assignments/class work	10
Total	100 %

Members of Examination Committee
Dr. Waiel Shawky
Mr. Ahmed Hammad

Role of external evaluator
None

4- Facilities and Teaching Materials:

Totally adequate	
Adequate to some extent	√
Inadequate	

5- Administrative Constraints

- No. of students attending of Tutorial/Practical work not matched to the number of instruments laboratory.
- Period time of Practical Training /laboratory per week not enough.

6- Student Evaluation of the course: Response of Course Team

No Comment

7- Comments from external evaluator(s):

External evaluator not assigned yet..

8- Course Enhancement:

Progress on actions identified in the previous year's action plan:

This is the first year and no previous action Plan**.**

Role of external evaluator:

External evaluator not assigned yet

Course Coordinator: Dr. Waiel Shawky

Signature:

Date: