Menoufiya University
Faculty of Electronic Eng.
Department of electronics and
Communications Engineering

جامعة المنوفية
كلية الهندسة الألكترونية
قسم هندسة الألكترونيات والأتصالات
الكهربية

Annual Course Report

(**Communication Networks Planning**)

A- Basic Information

1. **Title and Code**
   Communication Networks Planning
   EC429

2. **Programme(s) on which this course is given**   EC

3. **Academic year / Level of programme**   4th year / 2nd semester (2012/2013)

4. **Units/Weekly hours**

   Lecture | 3 | Tutorial/Practical | 2 | Total | 5 |

5. **Names of lecturers contributing to the delivery of the course**

   i- **Prof. Sami A. El-Dolil**.

   Course coordinator: Prof. Sami A. El-Dolil.

   External evaluators:

B- Statistical Information

No. of students attending the course: No. | 334 | % | 100 |

No. of students completing the course: No. | 326 | % | |

Results:

Passed: No. | 300 | % | 92.02 | Failed: No. | 26 | % | 4.25 |

Grading of successful students:

Excellent: No. | 15 | % | 4.6 | Very Good: No. | 51 | % | 15.64 |

Good: No. | 91 | % | 27.9 | Pass: No. | 143 | % | 43.87 |

C- Professional Information

1. Course Teaching

Content Topics	No of hours	Lecture	Tutorial	Achieve ILOS
Goal of Network Planning	10	6	4	A1, B1, C1,D1
Fundamental Plans-Financial Plan	15	9	6	A1,a2, B1,b2, C1,c7,D1,d3
Provision Timing Plan-Technical Plan	10	6	4	A2,a8, B2, C7,c12,D3,d4
Forecasting Plan - Switching Plan -Numbering Plan -Routing Plan	10	6	4	A2,a8,a14, B2,b5, C7,c12,D3,d4
-Signaling Plan Charging Plan-Evaluation and Development Plan	10	6	4	A14,a17, B5,b15, C7,D4,d9
Transmission plan -Quality of Service - Grade of Service-Mobile Radio Network-Satellite Network.	10	6	4	A14, B15, C12,D9
sum	65	39	26	

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: ☑

Case Study

Other assignments/homework:

A real world project assigned.

3. Student Assessment:

Method of Assessment	Percentage of total
Written examination	70
Midterm exams	15
Oral Examination	0
Practical/laboratory work	0
Other Assignments/class work	15
Total	100 %

Members of Examination Committee:
Prof. Sami A. Eldolil
Prof. Elsayed M. El rabeai
Prof. Fathi Abdel sameea

Role of external evaluator:

4. Facilities and Teaching Materials:

Totally adequate ☑

Adequate to some extent ☐

Inadequate ☐

5. Administrative Constraints

- Students need extra hours………………...
- Insufficient class rooms and halls.
- Insufficient assistant staff members.

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

- Insufficient background in systems planning

- Lack of practical part

- Algorithms………...

7. Comments from external evaluator(s):

8. Course Enhancement:

1- The basics reduced in size

2- Application of network fundamentals on existing networks.

3- Several references added

9. Action Plan for Academic Year 2012– 2013

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods				
Quality of Teaching and Learning				
Learning resources	Not enough	Several references are required	- Faculty - Department - course Coordinator	2013
Course content	1-The lecture time of this course are not sufficient to the course contents. 2- The course gives basics of planning. 3- Extension of the course with application on existing networks is required. 4- Practical design of networks is required under all parameters and circumstances in the networks. 5- The link between the network as a communication system and the planning as a task to build this system is missing.	1- The basics should be reduced in size 2- Application of network fundamentals on existing networks. 3- A practical part should be included to allow the student to make the design and tie the theoretical basics with the practical design.	- Faculty - Department - course Coordinator	2013

Course Coordinator: Prof. Sami A. El-Dolil

Authorized by Department Council in :

Authorized by Faculty Council in:

Head of Department:
  Prof.

  Date: /   /