Electronic Engineering and Communication Technology B.Sc.

Program Report

(٢٠١٢ – ٢٠١٣)

Content

1. General

1.1 Basic Information

1- Program title: Electronic Engineering and Communication Technology.
2- Program type: Single.
3- Department offering the program: Electronic Engineering and Communication Technology.
4- Co-coordinator: Prof. Dr. Mokhtar Abdel Halim.
5- External evaluators:
- Prof. Salwa Hussein El- Ramly: Professor Doctor in communication and electronics dept. Faculty of engineering-Ain Shams University.
- Prof. Moh. Abo Zahhad Abo Zaid: Vice Dean for postgraduate studies and research - Faculty of engineering - Assiut University.

6-Year of operation: 2001-2002

2. Professional Information

2.1 Statistics

1-No. of students starting the program at 2012-2013 = 398 (students accepted in the Academy the academic year 2008-2009 were 1309 students with a ratio 30.4%
2-Ratio of students attending the program in 2012-2013 to those of accepted in the Academy the academic year (2009-2010) = 398 / 534 = 74.53%
3-No. and percentage of students passing in each year/level/semester for the students graduated in 2012

Table (1): No. and percentage of students passing in each year/level/semester

Year		Number of students	No of passing Students	Percentage of passing students
Second	2009-2010	534	385	72.1%
Third	2010-2011	420	358	85.2%
Fourth	2011-2012	405	367	90.6%
Fifth	2012-2013	398	361	90.7%

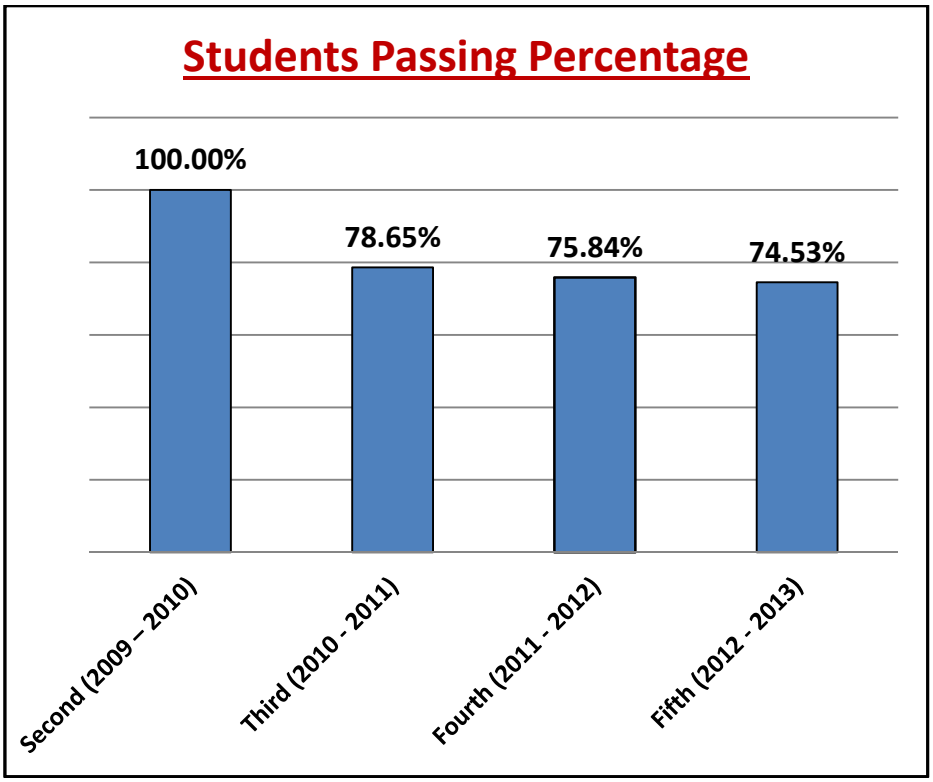

Figure (1): Ratio of students (graduated in 2011) passing in each year/level/semester

4-No. of students completing the program and as a percentage of those who started:
398 / 534 = 74.53%

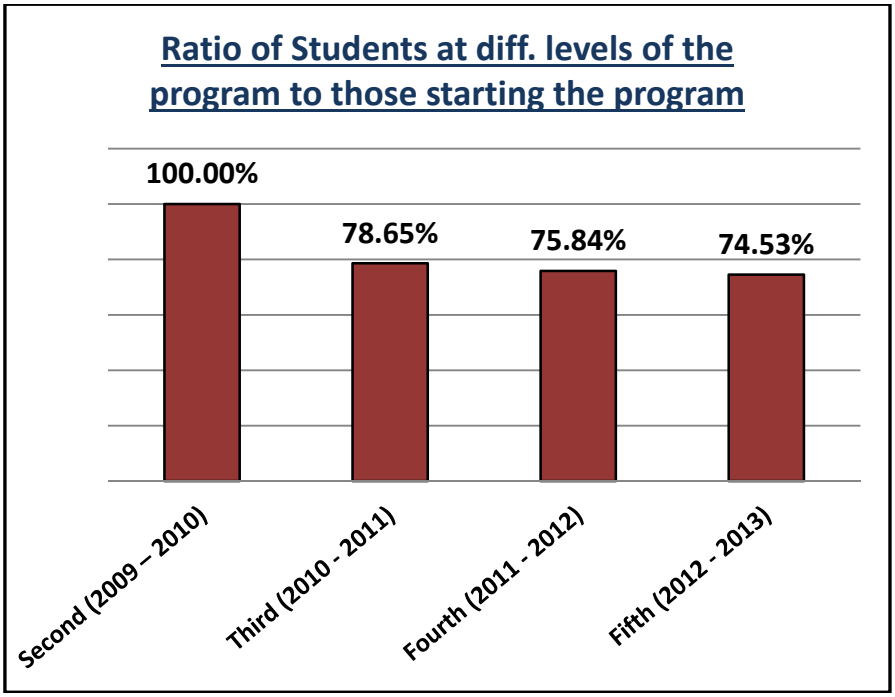

Figure (2): No. of students completing the program and as a percentage of those who started

5-Grading: No. and percentage in each grade

Table (2): No. and percentage of students passing in each grade

Year	No. of Students	Excellent	V. good	Good	Suff.	Pass with Subjects	Failed
2nd year 2009-2010	534	26	48	75	69	167	149
%	100 %	4.9 %	9 %	14 %	12.9 %	31.3 %	27.9 %
3rd year 2010-2011	420	27	43	84	52	152	62
%	100 %	6.4 %	10.24 %	20 %	12.38 %	36.2 %	14.7 %
4th year 2011-2012	405	46	70	88	62	101	38
%	100 %	11.36 %	17.3 %	21.7 %	15.3 %	25	9.4 %
5th year 2012-2013	398	24	51	115	116	55	37
%	100 %	6.03 %	12.8 %	28.9 %	29.1 %	13.8 %	9.3 %

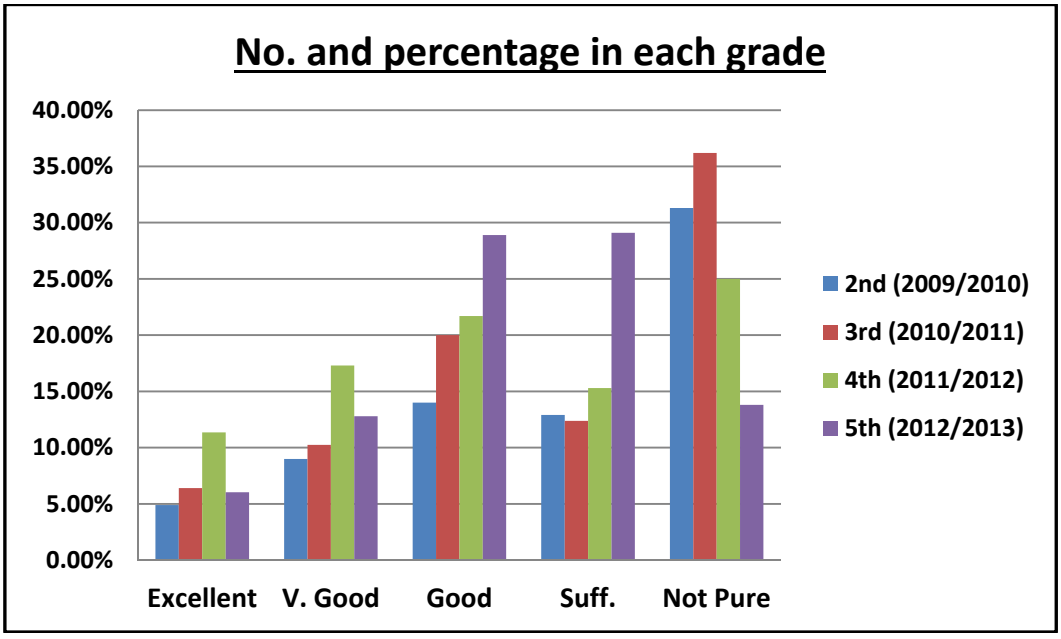

Figure (3): No. and percentage of students passing in each grade

Academic year	Number	Percentage
students joining the program on Sept 2012	398	100%
students completing the program at May 2013	306	76.88%
students completing the program at Nov 2013	55	13.8%
Total Number of students completing the program at 2013	360	90.45%

Table (3): No. and percentage of students passing in each grade -5th year

Year	Excellent		V. good		Good		Sufficient		Not Pure		failed	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
5th year 2012-2013 (398 students)	24	6.03%	51	12.8%	115	28.9%	116	29.1%	55	13.8%	37	9.3 %

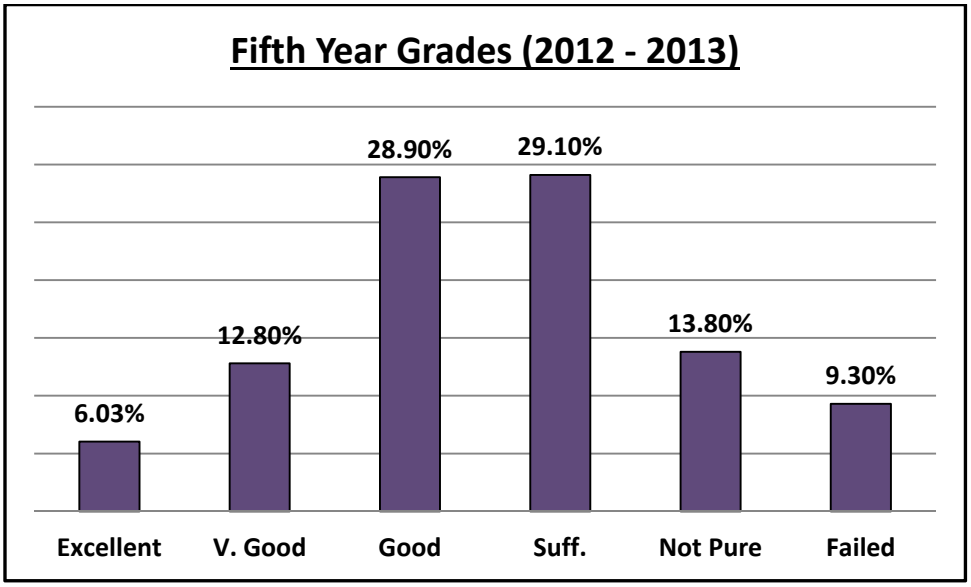

Figure (4): No. and percentage of students passing in each grade 5th year

6-First destinations of graduates:

i. Proceeded to appropriate employment %	Not available
ii Proceeded to other employment %	Not available
iii Undertaken postgraduate study %	Not available
iv. Engaged in other types of activity %	Not available
v. Unknown first destination %	Not available

2.2 Academic Standards

2.2.1 Achievement of program intended learning outcomes, ILO's:

2nd year Electrical (Communication – Computer)

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General &Transferable Skills
		A	B	C	D
B211	Mathematics III	1 , 2 , 4 , 9 , 11	1 , 3 , 4 , 7 , 9 , 11	1 , 3 , 6 , 11	3 , 7 , 8 , 9
E201	Electrical Circuits Analysis I	2 , 3 , 5 , 6 , 10 , 12	1 , 2 , 3 , 5 , 8 , 13	1 , 2 , 3 , 5 , 8 , 9 , 10 , 11	1 , 3 , 5 , 6 , 7
B221	Physics III	1 , 3 , 5 , 6 , 11	1 , 3 , 4 , 6 , 8 , 9	1 , 2 , 3 , 10	2 , 5 , 7 , 8 , 9
A060	Civil Engineering Technology	5 , 7 , 11	2	1 , 7 , 16	3
E210	Computer Programming I	2 , 5 , 6 , 8 , 13 , 14 , 15 , 16	1 , 2 , 3 , 4 , 7 , 9 , 12 , 13 , 14 , 15	1 , 2 , 3 , 4 , 5 , 6 , 11 , 13 , 14 , 15 , 16	1 , 2 , 4 , 6 , 7 , 9
E220	Instruments & Measurements I	1 , 3 , 4 , 14 , 15	2 , 3 , 4 , 13 , 14 , 15	3 , 5 , 7 , 12 , 14 , 15 , 16 , 17	1 , 2 , 6 , 9
B200	English III	2 , 6 , 7 , 8 , 9 , 10 , 11	4 , 9 , 10 , 11 , 12 , 14	3 , 4 , 7 , 8 , 9 , 10 , 11 , 12	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9
E212	Digital Logic Circuits	8 , 13 , 18	6 , 8 , 14	2 , 14 , 15	2 , 9
B212	Mathematics IV	1 , 2 , 4 , 9 , 11	1 , 3 , 4 , 7 , 9 , 11	1 , 3 , 6 , 11	3 , 7 , 8 , 9
E202	Electrical Circuits Analysis II	2 , 3 , 5 , 6 , 8 , 10 , 12	1 , 2 , 3 , 5 , 8 , 13	1 , 2 , 3 , 5 , 8 , 9 , 10 , 11	1 , 3 , 5 , 6 , 7
E240	Data Structures	2 , 6	6 , 8	1 , 5 , 8 , 9 , 10	3 , 4
M051	Tech of mechanical Engineering	1 , 2 , 3 , 4 , 8 , 10 , 11	1 , 2 , 3 , 4 , 7 , 9 , 13	1 , 2 , 5 , 6 , 11 , 12 , 14 , 16 , 17	1 , 2 , 3 , 5
B222	Physics IV	1 , 3 , 5 , 6 , 11	1 , 3 , 4 , 6 , 8 , 9	1 , 2 , 3 , 10	1 , 2 , 5 , 7 , 8 , 9
E213	Computer Programming II	2 , 5 , 8 , 10	1 , 2 , 3 , 4 , 7 , 9 , 12	1 , 2 , 3 , 4 , 6	1 , 2 , 4 , 7 , 9
B202	History of Science	2 , 3 , 5 , 7 , 9 , 11 , 13	1 , 2 , 3 , 5 , 8 , 14	1 , 2 , 3 , 5 , 8 , 9 , 10 , 11	1 , 3 , 5 , 6 , 7
E221	Instruments & Measurements II	1 , 3 , 4 , 14 , 15	2 , 3 , 4 , 13 , 14 , 15	3 , 5 , 7 , 12 , 14 , 15 , 16 , 17	1 , 2 , 6 , 9

3rd year Communication

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General &Transferable Skills
		A	B	C	D
B311	Mathematics V	1 , 2	1 , 3	1	3 , 7 , 9
E301	Microelectronic I	10 , 13 , 15	2 , 13	11 , 15 , 16	2 , 3
E311	Electromagnetic Field Theorem	1 , 5	3	-	2 , 3
E321	Digital Logic Circuits Design	8 , 14 , 15	2 , 3 , 12	3 , 4 , 14 , 15 , 17	6
E351	Control Engineering I	1 , 4 , 5 , 10 , 13 , 14	1 , 2 , 3 , 5 , 13 , 15	1 , 2 , 5 , 11 , 12 , 14 , 16	1 , 2 , 7 , 8 , 9
B300	English IV	2 , 6 , 7 , 8 , 9 , 10 , 11	4 , 9 , 10 , 11 , 12 , 14	3 , 4 , 7 , 8 , 9 , 10 , 11 , 12	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9
E330	Computer Applications I	2 , 6	6 , 8	1 , 5 , 8 , 9 , 10	3 , 4
E399	Project	2 , 3 , 4 , 5 , 10 , 15 , 16	2 , 13	4 , 5 , 14 ,15 , 17	1
E302	Microelectronic II	13 , 15 , 23	3 , 13	2 , 15	5 , 9
E314	Computer Architecture	2 , 6	6 , 8	1 , 5 , 8 , 9 , 10	-
E332	Communication Systems I	1 , 14 , 17 , 24	2 , 3 , 4 , 14	1 , 13 , 14	3 , 7
E362	Electric Machines & Power Systems	13 , 14 , 15	15	11 , 14	7
E352	Control Engineering II	1 , 4 , 5 , 10 , 13 , 14 , 16	1 , 2 , 3 , 5 , 13 , 15	1 , 2 , 5 , 11 , 12 , 14 , 16	1 , 2 , 7 , 8 , 9
M360	Industrial Environment	4 , 6 , 9 , 11	3 , 5 , 9	2 , 4 , 8	1 , 2 , 6 , 9
E331	Computer Applications II	2 , 6	6 , 8	1 , 5 , 8 , 9 , 10	3 , 4
E399	Project	2 , 3 , 4 , 5 , 10 , 15 , 16	2 , 13	4 , 5 , 14 , 15 , 17	1

4th year Communication

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General &Transferable Skills
		A	B	C	D
B411	Mathematics IV	1 , 5	1	1 , 6	1
E401	Design of Electronic Circuits	1 , 2 , 3 , 4 , 7 , 8 , 9 , 12 , 13 , 14 , 15 , 16 , 17 , 23 , 24	1 , 2 , 3 , 4 , 6 , 8 , 11 , 12 , 14 , 15	1 , 2 , 3 , 4 , 5 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 16 , 17	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9
E421	Microprocessors I	13 , 14 , 16, 17 , 18	1 , 2 , 12 , 14	2 , 3 , 5 , 6 , 7 , 13	3 , 5 , 6 , 7
E442	Communication Systems II	4 , 5 , 17 , 18	3 , 4 , 7 , 9 , 14	13	3
E431	Computer Organization	2 , 6	6 , 8	1 , 5 , 8 , 9 , 10	3 , 4
B401	Environments Technology	2 , 5 , 7 , 10 , 11	3 , 4 , 5 , 9 , 10 , 12	5 , 7 , 8 , 9 , 12	1 , 2 , 3 , 5 , 6 , 7 , 8 , 9
E412	Information Systems	2 , 3 , 5 , 6 , 7 , 8 , 9	2 , 3 , 4 , 5 , 6 , 8 , 9 , 10	1 , 4 , 6 , 8 , 9 , 10 , 11	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9
E441	Waves & Antennas I	2 , 4 , 19 , 20	2 , 3 , 13	1 , 11 , 14 , 17	7 , 9
E402	Large Integrated Systems	4 , 10 , 14 , 15 , 21 , 23	1 , 3 , 13 , 15	2 , 3 , 5 , 6 , 9 , 10 , 11 , 14 , 17	2 , 3 , 5 , 6 , 7 , 9
E422	Microprocessors II	13 , 14 , 16 , 17 , 18	1 , 2 , 12 , 14	2 , 3 , 5 , 6 , 7 , 13	3 , 5 , 7 , 8
E432	Electronic Measurements	1 , 3 , 10 , 13 , 14 , 15	2 , 3 , 6 , 13	1 , 8 , 9 , 11 , 15 , 16 , 17	2 , 6
B412	Business Management	5 , 6 , 7 , 8 , 9 , 11	7	2 , 6 , 8 , 9	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9
E400	Summer Training	8 , 10 , 12 , 17 , 23	3 , 8 , 13	8 , 9 , 11 , 12 , 15 , 17	3 , 4 , 6

5th year Communication

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General &Transferable Skills
		A	B	C	D
M561	Engineering Economy	1 , 2 , 5 , 10	1 , 2 , 3 , 4 , 9 , 12 , 13	1 , 6 , 11	1 , 2 , 3 , 8
E501	Digital Signal Processing	10 , 24	5 , 13	5 , 10 , 11 , 14 , 16 , 17	2 , 3 , 5 , 6 , 7 , 9
E511	Microwave Circuits	2 , 5 , 15 , 19	2 , 3 , 12 , 13	3 , 5 , 11 , 17	7 , 9
E522	Radio & TV Engineering	2 , 5 , 6 , 8 , 10 , 15 , 17 , 18 , 19 , 20 , 21 , 22 , 24 , 25	1 , 3 , 6 , 7 , 9 , 11 , 13 , 14 , 15	7 , 9 , 17	2 , 3 , 7 , 9
E562	Communication System III	2 , 4 , 5 , 8 , 13 , 17 , 18	2 , 11 , 13 , 14	5 , 6 , 7 , 12 , 13	1 , 3 , 5 , 6 , 7
E552	Elective Course	14 , 15 , 16	13	11 , 14	7
B512	Laws and Regulations	5 , 7 , 8 , 10	3 , 5 , 9 , 10 , 12	7 , 8 , 9 , 11	1 , 2 , 3 , 6 , 7 , 8 , 9
E519	Waves & Antennas II	1 , 4 , 5 , 8 , 20	1 , 2	6 , 11 , 14 , 17	6 , 9
E524	Advanced Communication Systems	2 , 5 , 6 , 8 , 10 , 15 , 17 , 18 ,19 , 20 , 22 , 24 , 25	1 , 3 , 6 , 7 , 9 , 11 , 12 , 13 , 14 , 15	7 , 9 , 17	2 , 3 , 5 , 7 , 9
E582	Radar Systems and Remote Sensing	1 , 2 , 4 , 10 , 13 , 17 , 19 , 20 , 24	2 , 3 , 5 , 13 , 14	1 , 2 , 11 , 12	1 , 2 , 7 , 9
E572	Elective Course	1 , 2 , 4 , 5 , 10 , 13 , 15 , 17 , 21	-	-	-
E599	Project	2 , 3 , 4 , 5 , 10 , 14 , 15 , 16	2 , 13	4 , 5 , 13 , 14 , 15 , 17	1 , 3 , 4 , 5

Regarding the previous table we observe the achievement of program intended learning outcomes to be covered by all courses taught:

Comments of external evaluator and other stakeholders

a- Comments of stakeholders:

- Specialization courses such as “Advanced Communication System”, “Communication Systems I” and ““Communication Systems II” are very close to the up to date communication system technologies especially in digital wireless communication system.
- There are some programming languages such as MATLAB and C/C++ will be very useful to graduated students in various fields of communication engineering, whereas programming language such as Pascal should be replaced by more modern programming language such as: C# “C- Sharp”.
- Courses related to electronics field should applied more with examples and lab. experiments related to communication engineering technologies.

b- Comments of external evaluator

Comments of two external evaluators have been mentioned before in program report 2010 / 2011.

2.3 Achievement of program aims

By reviewing the achievement of program aims covered by the achievement of the different educational aims in the courses, which vary according to the educational purpose of the course we observed totally achievement of program aims which are:

1- Providing practical professionally-supervised training programs.
2- Applying advanced teaching methods.
3- Undertaking continual development of taught curricula.
4- Maintaining balance between theoretical fundamentals and practical application.
5- Emphasizing coherence and integration between basic principles of communication system – skills of circuit design and simulation – software and hardware implementation of stages related to comm. system.
6- Broadening the scope of taught courses, enriching their content by local and international case studies and experiences.
7- Engaging graduates in realistic research work that responds to genuine community demands.
8- Promoting sustainable ecologic and cultural qualities in the built environment.

2.4 Student achievement

Graduated Students achievement through the program

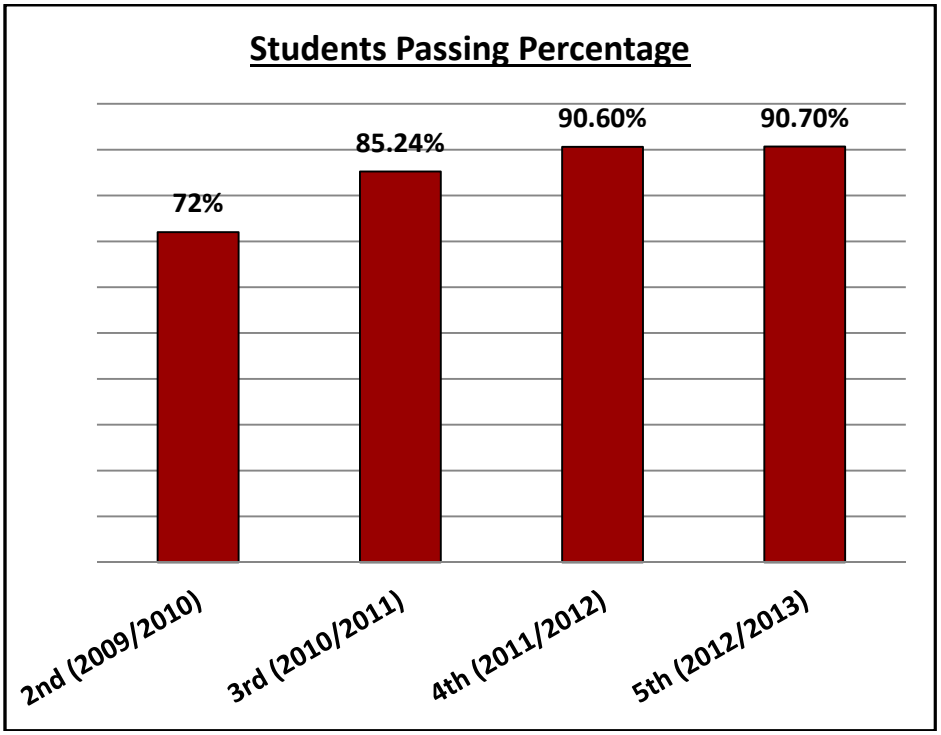

Figure (5): Graduated Students achievement through the program

After reviewing the results of students finishing the program in 2009-2010 regarding their achievements in each grade level throw different years, we can observe the increase in passing ratio for the same students each year.

Comments of stakeholders:

- Specialization courses such as “Advanced Communication System”, “Communication Systems I” and ““Communication Systems II” are very close to the up to date communication system technologies especially in digital wireless communication system.
- There are some programming languages such as MATLAB and C/C++ will be very useful to graduated students in various fields of communication engineering, whereas programming language such as Pascal should be replaced by more modern programming language such as: C# “C- Sharp”
- Courses related to electronics field should applied more with examples and lab. experiments related to communication engineering technologies.

2.5 Quality of teaching and learning

Comments of external evaluator and other stakeholders including students

- The Academy adopt methods of teaching and learning based on traditional patterns of education courses that meet the goals and targets that are taught in accordance with the approved list.
- The formation of a committee of faculty members to study the distribution of subjects on the members of staff in accordance with the teaching specialty to ensure the quality of teaching and learning.
- The diversity in summer training programs according to the variables and labor market needs and requirements of the parties outside the academy.

- The development of strategies and announcements of the Department through regular weekly meetings with faculty members and teaching assistants to develop and discuss the plan of action and put forward solutions to problems that are reviewed.
- Some of the decisions are being taken corrective performance in the department as the results of self-evaluation.
- Ongoing work of the internal audit and continuous assessment tasks.

2.6 Effectiveness of student support systems

Commentary on both academic and pastoral/personal support for all students

- The department is interested in the students' support, despite of the growing numbers of students entering the department through the following:

- Divide the students of the same level into groups and the distribution of the studying schedule to optimize the use of lecture halls and drawing rooms
- Motivate outstanding students to participate in cultural activities and attending scientific conferences and by giving additional marks.

- A system was developed to solve the problems of students through the distribution of the responsibility on the faculty members to quickly resolve the problem and follow-up the complaints and to respond in a specific period.

- The periodic meeting with students' representatives to quickly solve problems of students.

- There is a schedule of final revision for the studied courses at the end of each semester to assist low and middle caliber students.

- Students are helped in the case of special circumstances such as cases of the disease, the death of a parent, injuries during an incident, by taking into account the circumstances of each case in providing the requirements of this year, especially in materials that rely on semester marks and attendance.

- Encourage students to manage, and organize cultural activities
- Establishing a database for students and save all the data and grades of the year in electronic archive for each student

2.7 Learning resources

A. No. and ratio of faculty members and their assistants to students

- Staff members and the assistants (Appendix 1 - Program Specification)
- Percentage of staff members to students : 1 : 24

B. Matching of faculty members' specialization to program needs.

- All the Staff members are Qualified and they are adapted with the program requirements. (Appendix 1 - Program Specification)

C. Availability and adequacy of program handbook

- The program specification is explained to the students attending the program through interviews with the students, in addition there are lecture notes for most of the courses available to the students.

D. Adequacy of library facilities.

- The academy scientific library is annually refurbished with the books needed for enriching the specialty according to the budget. Yet the number of books is not enough for the students.

E. Adequacy of laboratories

The department has two computer laboratories each of 60 computers.

F. Adequacy of computer facilities

- Labs are in need of increase of the instruments to cope with the increasing number of students attending the program.
- Renovation of the architecture software packages periodically.

G. Adequacy of field/practical training resources

- The department is keen on the compatibility of the summer training programs with the program specification and the requirements of the labor market. Care to provide opportunities for all students of the department with the diversity of training sites.
- It is difficult to schedule training on two months during the summer vacation for several reasons, a large number of students focus on training outside Egypt and in the month of Ramadan which come in August, where it is difficult for students to attend it.

H. Adequacy of any other program needs

None

2.8 Quality management

A. Availability of regular evaluation and revision system for the program

There is a unit for Quality Assurance in the department began its course of action by doing self-assessment to the department at the end of the academic year 2009/2010, in order to identify the strength points and to identify and treat the weaknesses (SWOT). The views of all interested parties (faculty members and their assistants, students and the administrative bodies and representatives of civil society) in the courses and the educational process have been explored, and sample of students has been taken (10%) of the total number of students the college. As for the faculty members they were asked all and for the administrative apparatus the sample (30%) of the total number has been analyzed. The results of the poll were statistically analyzed then a view of these results was discussed with the College Board to take decisions on further development.

The results of self-evaluation and quality management
Reflection of the results of self-evaluation of the department performance on quality management

Work is already underway to make some decisions for corrective overall performance of the department in light of the results of self-evaluation Examples of such decisions:

- The work of the internal audit and continuous assessment with identified tasks.
- Work is permanently and continuously to develop the capacity of faculty members.
- The department is interested in students and alumni, and follows up their proceeding in the labor market, to improve the outcomes and competitive position within the community.

Strengthening activities for Quality Management

It was possible to identify some areas for future promotion and development in the light of the results of self-evaluation of the performance of the department and of these areas.
Strengthening the quality management in the department through:

- The continued development of the courses objectives with global trends.
- Developing the skills of the administrative apparatus in the use of technology.
- Prepare an annual plan for periodic maintenance of institutional facilities.

B. Effectiveness of the system

The quality management system is effective since there are:

- Quality management regulations.
- Feedback for the program evaluation.
- Corrective actions for program flaws.

C. Effectiveness of Faculty and University laws and regulations for progression and completion

There is a quality section in the department which a subordinate from the quality centre of the Academy. Its role is to monitor and assure the implementation of the quality measures in the department.

D. Effectiveness of program external evaluation system:

I- External evaluators

The department program is evaluated by two qualified external evaluators.

II- Students

The program courses, the teaching methods and the assessment methods are evaluated by the students each semester by questionnaires handed to a percentage of students for each course. As for the alumni there is a questionnaire done to a percentage of them to evaluate the whole program.

III- Other stakeholders

At the end of the academic year there is an annual meeting for the stakeholders and representatives of the civil community for the reconnaissance of their evaluation to the academic year.

E. Faculty response to student and external evaluations

All the external evaluator's comments were taken in consideration and are stated with the department response in the "Program Specification".

There is an action plan set to be implemented in the following academic year.

3. Proposals for program development

A. Program structure (units/credit-hours)

The department has submitted a proposal for credit hours system and pending approval of the application.

B. Courses, deletions and additions and modifications

The course coordinator can modify some of the contents of the curriculum without changing the major aims of the course which is approved by The Academy. This change is done by reference to the department council.

There is a variety of elective courses chosen by students within the last 4 semesters in the program.

C. Staff development requirements

The department has a plan to increase the number of staff within the next 3 years to reach the ratio 1:25 for the staff to students, and the ratio of 1:15 for the staff assistants to students.

4. Progress of previous year's action plan

Action Identified	Person Responsible	Progress of action
This is the first program report		

5. Action plan

Action required	Person Responsible	Completion Date
Change to credit hours system	Academic Administration	Academic year 2012-2013
Specialized training courses for all staff	Training Sector	September 2012
Complete the shortage in education facilities	Academic Administration	Academic year 2012-2013

Developing an Academic Protocol with University of District of Colombia (UDC)	UDC Unit	Academic year 2012-2013

Program Coordinator: Prof. Dr. Mokhtar Abdel Halim.
Signature:

Appendix 1

Annual Course Report

2011-2012

2nd year Electrical (Communication – Computer)

Term	No.	Code	Course
First Term	1	B211	Mathematics III
	2	E201	Electrical Circuits Analysis I
	3	B221	Physics III
	4	A060	Civil Engineering Technology
	5	E210	Computer Programming I
	6	E220	Instruments & Measurements I
	7	B200	English III
	8	E212	Digital Logic Circuits
Second Term	9	B212	Mathematics IV
	10	E202	Electrical Circuits Analysis II
	11	E240	Data Structures
	12	M051	Tech of mechanical Engineering
	13	B222	Physics IV
	14	E213	Computer Programming II
	15	B202	History of Science
	16	E221	Instruments & Measurements II

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Mathematics III - (B211)

2- Program(s) on which this course is given:

- Computer Engineering & Information Technology
- Electronic Engineering & communication Technology
- Manufacturing Engineering & Production Technology

3- Year/Level of program: Second year / 1st Semester

4- Unit hours 2

Lectures 4hrs Tutorial 2 hrs Practical - hrs Total 6 hrs

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

Dr. Ashraf Taha + Dr. Moemen Wafaey

Course coordinator: Dr. Ashraf Taha + Dr. Moemen Wafaey

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 362 91%

Results:

	No.	%
Passed	321	88.67
Failed	41	11.33

Grading of successful students:

	No.	%
Excellent	61	16.9
Very Good	67	18.5
Good	72	19.9
Pass	121	33.4

C- Professional Information

1 – Course teaching:

Topic	Tutorial hours	Lecturer
• The Gamma and Beta function	2	Dr. Ashraf Taha + Dr. Moemen Wafaey
• Laplace transform	2	
• First shift theorem - Second shift theorem	2	
• Differentiation and integration of Laplace transform	2	

• Laplace transform of derivative and Integral	2	
• Convolution theorem and applications of Laplace transform	2	
• Fourier series and its applications	2	Dr. Ashraf Taha + Dr. Moemen Wafaey
• Legendre functions and Legendre O.D.E.	2	
• Bessel functions and Bessel O.D.E.	2	
• Double and triple integrals with applications	2	
• Polar, Cylindrical and spherical coordinates in multiple integrals with applications	2	
• Line integrals and applications and Green's theorem	2	
• Surface area and surface integrals with applications	2	
• Divergence Theorem	2	
• Stokes Theorem	2	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [Classical lecturing using the white board]
Practical training/ laboratory: [None]
Seminar/Workshop: [None]
Class activity:
[A monthly discussion of what is given in the previous weeks.]

Case Study: [None]
Other assignments/homework: [Bi-weekly assignments]
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	[70 %]
Oral examination	----
Other assignments/class work	[10 %]
Mid-Term Exam	[20 %]

Total	100 %
Members of examination committee	Dr. Ashraf Taha + Dr. Moemen Wafaey
Role of external evaluator	None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:	Response of course team
List any criticisms	
None	None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Ashraf Taha + Dr. Moemen Wafaey

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Electrical Circuits Analysis I - (E201)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt

3- Year/Level of program: Second year / 1st Semester

4- Unit hours 2

Lectures 2hrs Tutorial 2 hrs Practical 1 hrs Total 5 hrs

5- Names of lecturers contributing to the delivery of the course Prof. Dr. Said Refai

Course coordinator: Prof. Dr. Said Refai

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 369 92.7%

Results:

	No.	%
Passed	343	93
Failed	26	7

Grading of successful students:

	No.	%
Excellent	96	26.0
Very Good	84	22.8
Good	77	20.9
Pass	86	23.3

C- Professional Information

1 – Course teaching:

Topic	Tutorial hours	Lecturer
• *Introduction*	2	Prof. Dr. Said Refai
• *Circuit element*	4	
• *Simple resistive circuits*	4	
• *Techniques of Circuit analysis*	4	
• *Step Response of First-Order RL and RC circuit.*	4	
• *Natural and step response of RLC circuits..*	4	
• *Sinusoidal steady state analysis.*	4	
• *Total hours*	30	

Topics taught as a percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Circuit laboratory
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	15 %
Other assignments/class work	10 %
Mid-Term Exam	5 %
Total	100 %

Members of examination committee Prof. Dr. Said Refai

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment

against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Said Refai

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Physics III - (B221)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Eng. & Information Tech. Dpt.

3- Year/Level of program: Second year / 1st Semester

4- Unit hours 2

Lectures 2hrs Tutorial 2 hrs Practical 1 hrs Total 5 hrs

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

Dr. Marwa Showeb

Course coordinator: Dr. Marwa Showeb

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 370 80%

Results:

	No.	%
Passed	348	94
Failed	22	6

Grading of successful students:

	No.	%
Excellent	154	41.6
Very Good	72	19.5
Good	53	14.3
Pass	69	18.6

C- Professional Information

1 – Course teaching:

Topic	Tutorial hours	Lecturer
• Historical overview of classical mechanics	2	Dr. Marwa Showeb
• Special theory of Relativity Lorentz trans formation, consequences of STR	4	
• Quantum physics Black body Radiation, quantum properties of thermal Radiation, particle-wave duality, photo electric field Compton scattering	7	
• Quantum mechanics The postulates of quantum mechanics: deBroglie thesis, Bohr-Somerfield quantization conditions.	6	

Heisenber uncertainty principle. Time dependent and independent Schrodinger equation, application of Schrodinger equation, infinite potential well, simple harmonic oscillator, the tunnel Effect		
• Inductor atomic physics, mechanical Pauli exclusion principle, Electronic configuration of the elements	5	
• Inductory solid state physics, free electron model, Fermi-Dirac probability and density states, band structure of solids.	6	
• Practical Experiments.		
Total hours	30	15

Topics taught as a percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Physic (3) laboratory
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Dr. Marwa Showeb
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc
Totally adequate .Yes.

Adequate to some extent .....
Inadequate .....
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Marwa Showeb
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Civil Engineering Technology - (A060)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt - Computer Engineering & Information Technology Dpt. - Manufacturing Engineering & Production Technology Dpt.

3- Year/Level of program: Second year / 1st Semester

4- Unit hours 2

Lectures 2hrs Tutorial 2 hrs Practical - hrs Total 4 hrs

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

Prof. Dr. Adham ElAlfy

Course coordinator: Prof. Dr. Adham ElAlfy

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 376 94.5%

Results:

	No.	%
Passed	354	94
Failed	22	6

Grading of successful students:

	No.	%
Excellent	25	6.6
Very Good	67	17.8
Good	80	21.3
Pass	182	48.4

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction	2	Prof. Dr. Adham ElAlfy
• Fundamentals of surveying	2	
• Measurement of areas from maps and measurement of angles	2	
• Leveling	2	
• Computation of volumes	2	

• Soil mechanics	2	Prof. Dr. Adham ElAlfy
• Highway and airports engineering	2	
• Railway engineering	2	
• Environmental engineering	2	
• Building construction	2	
• Foundations	2	
• Building materials	2	
• Quantities and specifications	2	
• Isolating layers	2	
• General revision	2	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [Classical lecturing using the white board]
Practical training/ laboratory: [None]
Seminar/Workshop: [None]
Class activity:
[A monthly discussion of what is given in the previous weeks.]

Case Study: [None]
Other assignments/homework: [Bi-weekly assignments]
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	[60 %]
Practical examination	[- %]
Other assignments/class work	[20 %]
Mid-Term Exam	[20 %]
Total	100 %

Members of examination committee	Prof. Dr. Adham ElAlfy
Role of external evaluator	None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms	
None	None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Adham ElAlfy

Signature:

Date: August 2013

Annual Course Report

(Academic Year 201٢-201٣)

A- Basic Information

1- Title and code: Computer Programming I - (E210)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt - Computer Engineering & Information Technology Dpt. - Manufacturing Engineering & Production Technology Dpt.

3- Year/Level of program: Second year / 1st Semester

4- Unit hours 2

Lectures 2hrs Tutorial - hrs Practical 2 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Adel Khedr

Course coordinator: Dr. Adel Khedr

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 371 93.2%

Results:

	No.	%
Passed	355	95.7
Failed	16	4.3

Grading of successful students:

	No.	%
Excellent	50	13.5
Very Good	75	20.2
Good	90	24.3
Pass	140	37.7

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Steps for solving problems by comp. programs	2	Dr. Adel Khedr
• Program documentation and flow charts	2	
• Structured programming	4	
• program parts	2	
• Input / Output	2	

• Data types and declaration	2	Dr. Adel Khedr
• Operators and precedence	2	
• Selection constructs	4	
• Loops	4	
• Arrays	3	
• Procedures and Functions	3	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [Classical lecturing using the white board]
Practical training/ laboratory: [Computer Laboratory]
Seminar/Workshop: [None]
Class activity:
[A monthly discussion of what is given in the previous weeks.]

Case Study: [None]
Other assignments/homework: [Bi-weekly assignments]
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	[60 %]
Practical examination	[20 %]
Other assignments/class work	[10 %]
Mid-Term Exam	[10 %]
Total	100 %

Members of examination committee Dr. Adel Khedr

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc
Totally adequate [.Yes.]

Adequate to some extent ☐
Inadequate ☐
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Adel Khedr

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Instruments & Measurements I - (E220)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Second year / 1st Semester

4- Unit hours 2

Lectures 2hrs Tutorial - hrs Practical 2 hrs Total 4 hrs

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

Prof. Dr. SHOUMAN E.I. SHOUMAN.

Course coordinator: Prof. Dr. SHOUMAN E.I. SHOUMAN.

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 368 92.46%

Results:

	No.	%
Passed	334	90.76
Failed	34	9.24

Grading of successful students:

	No.	%
Excellent	75	20.4
Very Good	69	18.8
Good	82	22.3
Pass	108	29.3

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Units, Dimensions, and Standards.	2	Prof. Dr. SHOUMAN E.I. SHOUMAN.
• Types and Analysis of Errors in Measurements.	2	
• Fundamentals of Analogue Instruments.	2	
• Deflection Type Permanent Magnet Moving Coil, and Electro-dynamic Instruments.	2	
• General Torque Equations and Galvanometers	2	
• DC Multi-Range Voltmeters.	2	
• DC Multi-Range Ammeters.	2	
• AC Rectifier Type Voltmeters.	2	
• AC Rectifier Type Ammeters.	2	

• Series and Multi-Range Ohmmeters.	2	Prof. Dr. SHOUMAN E.I. SHOUMAN.
• DC and AC Electro-dynamic Voltmeters, and Ammeters.	2	
• DC and AC Electro-dynamic Voltmeters, and Ammeters.	2	
• DC and AC Electro-dynamic Watt-meters.	2	
• Calibration Methods of DC and AC Instruments.	2	
• Calibration Methods of DC and AC Instruments.	2	
Total Hours	30	

Topics taught as a percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Measurements and Testing Laboratory

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. SHOUMAN E.I. SHOUMAN.

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. SHOUMAN E.I. SHOUMAN.

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: English III - (B200)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt. - Manufacturing Engineering & Production Technology Dpt.

3- Year/Level of program: Second year / 1st Semester

4- Unit hours 2

Lectures 2hrs Tutorial - hrs Practical - hrs Total 2 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Nevin Samir

Course coordinator: Dr. Nevin Samir

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 378 95%

Results:

	No.	%
Passed	377	99.74
Failed	1	0.26

Grading of successful students:

	No.	%
Excellent	135	35.7
Very Good	101	26.7
Good	74	19.6
Pass	67	17.7

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Sir Isaac Newton.	8	Dr. Nevin Samir
• Making A Talkie Film.	8	
• Energy Sense Makes Future Sense.	4	
• Plural of nouns	4	
• Regular and irregular verbs	4	
• Revision	2	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	15 %
Mid-Term Exam	15 %
Total	100 %

Members of examination committee Dr. Nevin Samir
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: This is the first annual report
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Nevin Samir
Signature:

Date: August 2012

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Digital Logic Circuits - (E212)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Second year / 1st Semester

4- Unit hours 2

Lectures 4 hrs Tutorial - hrs Practical 1 hrs Total 5 hrs

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

Prof. Dr. MOHI-ElDIN RATEB

Course coordinator: Prof. Dr. MOHI-ElDIN RATEB

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 367 92.2%

Results:

	No.	%
Passed	349	95.1
Failed	18	4.9

Grading of successful students:

	No.	%
Excellent	104	28.3
Very Good	88	24.0
Good	65	17.7
Pass	92	25.1

C- Professional Information

1 – Course teaching:

Topic	Lecture Hours	Lecturer
• Introduction -Basic Definitions. -Laws of Boolean Algebra.	4	Prof. Dr. MOHI-EIDIN RATEB
• Logic Functions Representation &Realization -Methods of representation of logic functions truth table, S.O.P and P.O.S) -Realization of logic functions using AND-OR-NOT, NAND only and NOR only gate systems.	2 2	
-Matching logic functions with gate systems • Logic function minimization -Using Basic laws of Boolean Algebra.	2 2	
o Using Karnaugh map minimization.	2	

-Using Quine -Mc Clusky's Method.	2	
Minimization of multiple-output Logic Functions • Combinational logic modules -Half and full adders, Parallel adder connection, look ahead carry.	2 2	Prof. Dr. MOHI-EIDIN RATEB
o Decoders and de-multiplexers o Encoders. o Data selectors (multiplexers).	2 2	
-Parity checkers. -Read-only memories	2 2	
-Binary comparators. • Sequential logic circuit elements -State diagram and stat table representation of sequential circuits.	2 2	
o Asynchronous and synchronous sequential elements. - S-R Flip-flop,J-K flip-flop	2 2	
-D-Flip-flop and T flip-flop -Racing in sequential circuits	2 2	
-Master –slave and Edge –triggered Flip-flops. • Sequential Logic circuit modules -Introduction.	2 2	
Registers and shift registers.	4	
Asynchronous and synchronous counters.	4	
Counters using shift –registers (Johnson and ring counters)	4	
Random access memories(basic cell,addressing and read-write operations)	4	
Total Hours	60	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [Classical lecturing using the white board]

Practical training/ laboratory: [None]

Seminar/Workshop: [None]

Class activity:

[A monthly discussion of what is given in the previous weeks.]

Case Study: [None]

Other assignments/homework: [Bi-weekly assignments]

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. MOHI-EIDIN RATEB
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:
Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. MOHI-EIDIN RATEB
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Mathematics IV - (B212)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt. - Manufacturing Engineering & Production Technology Dpt.

3- Year/Level of program: Second year / 2nd Semester

4- Unit hours 2

Lectures 4 hrs Tutorial 2 hrs Practical - hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Ashraf Taha EL-Sayed

Course coordinator: Dr. Ashraf Taha EL-Sayed

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 351 88.2%

Results:

	No.	%
Passed	282	80.3
Failed	69	19.7

Grading of successful students:

	No.	%
Excellent	44	12.5
Very Good	47	13.4
Good	62	17.7
Pass	129	36.8

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• The Gamma and Beta function	4	Dr. Ashraf Taha EL-Sayed
• Laplace transform	2	
• First shift theorem - Second shift theorem	4	
• Differentiation and integration of Laplace transform	2	
• Laplace transform of derivative and Integral	2	
• Convolution theorem and applications of Laplace transform	4	
• Fourier series and its applications	4	

• Legendre functions and Legendre O.D.E.	4	Dr. Ashraf Taha EL-Sayed
• Bessel functions and Bessel O.D.E.	4	
• Double and triple integrals with applications	6	
• Polar, Cylindrical and spherical coordinates in multiple integrals with applications	6	
• Line integrals and applications and Green's theorem	6	
• Surface area and surface integrals with applications	4	
• Divergence Theorem	4	
• Stokes Theorem	4	
Total hours	60	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [Classical lecturing using the white board]

Practical training/ laboratory: [None]

Seminar/Workshop: [None]

Class activity:

[A monthly discussion of what is given in the previous weeks.]

Case Study: [None]

Other assignments/homework: [Bi-weekly assignments]

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	[70 %]
Practical examination	[- %]
Other assignments/class work	[20 %]
Mid-Term Exam	[10 %]
Total	100 %

Members of examination committee Dr. Ashraf Taha EL-Sayed

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms	
None	None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Ashraf Taha EL-Sayed

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Electrical Circuits Analysis II - (E202)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Second year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical - hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Said Refai

Course coordinator: Prof. Dr. Said Refai

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 358 90%

Results:

	No.	%
Passed	299	83.5
Failed	59	16.5

Grading of successful students:

	No.	%
Excellent	20	5.6
Very Good	49	13.7
Good	77	21.5
Pass	153	42.7

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Tutorial hours
Power calculations in sinusoidal steady state	2	Prof. Dr. Said Refai
Balanced three-phase circuits	4	
Mutual inductance	4	
Series and parallel resonance	2	
Laplace transformation	6	
The transfer function	2	
Fourier series - the Fourier transform	4	
Tow-port circuits	6	
Total hours	30	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Circuit Laboratory
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Said Refai
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc
Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Said Refai

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Data Structures - (E240)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Second year / 2nd Semester

4- Unit hours 2

Lectures 3 hrs Tutorial - hrs Practical - hrs Total 3 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Mohi-Eldin Rateb

Course coordinator: Prof. Dr. Mohi-Eldin Rateb

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 361 90.7%

Results:

	No.	%
Passed	342	94.3
Failed	19	5.3

Grading of successful students:

	No.	%
Excellent	72	19.9
Very Good	73	20.2
Good	82	22.7
Pass	115	31.9

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction o Basic definitions and basic operations. o Data representation and storage, fixed point and floating point formats. o Applications of data structures	3	Prof. Dr. Mohi-Eldin Rateb
• Arrays -A storage of one dimensional arrays in memory. -Storage of two-dimensional arrays using row major and column major ordering. -Pointer arrays. -Parallel array storage of records. -Operations on matrices and associated algorithms. - Storage of sparse matrices.	5	

• Linear Lists o Definitions and properties. o Stacks, definition, push and pop operations. o Queues, definition, insertion, and deletion from circular queues. o De-queues, definition and basic operations.	6	Prof. Dr. Mohi-Eldin Rateb
• Linked lists o Basic structures of header –free and header linked lists. o Representation in memory. o Traversing and searching linked lists for sorted and unsorted linked lists. o Insertion and deletion algorithms. o Two-way lists.	7	
• Trees o Basic definitions and structures. o Representation of binary trees in memory. o Linked representation. o String array representation. o Terminating binary sequence (TBS) representation. o Transformation of a general tree into binary tree o Traversing tree and traversal algorithms using stacks (Preorder,in order and post order traversals) o Threads and in order threading. o Path length and Huffman's tree achieving using Huffman's algorithm.	10	
• Searching -Introduction and searching types. -Scanning. *Direct scanning and controlled scanning. *Binary search algorithm. -Binary search trees *Definition. *Searching and insertion into BST. Deletion from a BST. *Building a BSST	7	
• Sorting Introduction Sorting algorithms using selection, exchange and insertion techniques. Complexity of algorithm. Bubble sort algorithm as an example for exchange technique. Binary sort quick sort) algorithm. Heap sort algorithm	7	
Total hours	45	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee: Prof. Dr. Mohi-Eldin Rateb

Role of external evaluator: None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate: .Yes.

Adequate to some extent: ……

Inadequate: ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None — None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets

- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Mohi-Eldin Rateb
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Tech. of mechanical Engineering - (M051)

2- Program(s) on which this course is given: Manufacturing Engineering and Production Tech. Dpt.

3- Year/Level of program: Second year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical - hrs Total 4 hrs

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

Prof. Dr. Metwally H. Metwally - Prof. Dr Abdelmagid A. Abdalla

Course coordinator: Prof. Dr. Metwally H. Metwally - Prof. Dr Abdelmagid A. Abdalla

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 353 88.7%

Results:

	No.	%
Passed	327	92.6
Failed	26	7.4

Grading of successful students:

	No.	%
Excellent	39	11.0
Very Good	69	19.5
Good	78	22.1
Pass	141	39.9

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
Importance of Thermodynamics, Fluid Flow, Heat Transfer for Electrical Eng.	2	Prof. Dr. Metwally H. Metwally Prof. Dr Abdelmagid A. Abdalla
Fundamentals of Mechanics and Heat	6	
Fluid Flow	6	
Thermodynamics	6	
Heat Transfer	6	
Power Transmission	4	
Total hours	30	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Metwally H. Metwally - Prof. Dr Abdelmagid A. Abdalla
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate	.Yes.
Adequate to some extent	.....
Inadequate	.....

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Metwally H. Metwally - Prof. Dr Abdelmagid A. Abdalla
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Physics IV - (B222)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Second year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial - hrs Practical 2 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Marwa Showeb

Course coordinator: Dr. Marwa Showeb

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 357 89.7%

Results:

	No.	%
Passed	341	95.5
Failed	16	4.5

Grading of successful students:

	No.	%
Excellent	132	37.0
Very Good	84	23.5
Good	49	13.7
Pass	76	21.3

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Semiconductor Materials, Properties	1	Dr. Marwa Showeb
• Crystals and common Semiconductor crystal structures	2	
• Energy band of semiconductors • Electrons and holes in semiconductors. Fermi Dirac distribution Function and the densities of states Carrier Concentration	3	
• Intrinsic Semiconductors and doped semiconductors	2	
Carrier Transport. • Carrier drift and carrier diffusion • Carrier recombination and generation Continuity Equation	4	
• P-N Junctions Structure and Principle of operation Energy-band Electro static	10	30

analysis of p-n Junction The P-n diode current (ideal characteristic) Reverse bias break down, Avalanche break down, Zener breakdown. Characteristics of Special purpose diodes, Zener diode, varactor LED, photodiode, Laser,diode, Tunnel diode		
• Metal – Semiconductor Junctions structure and principle of operation, shottky diode- ohmic contracts	3	
• Transistor - The basic structure and operation of Bipolar Junction Transistors - The structure of Field Effect transistors	5	
• Practical Experiment.		
Total hours	30	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Physics (3) Laboratory

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Dr. Marwa Showeb

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Marwa Showeb

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Computer Programming II - (E213)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt. – Manufacturing Engineering and production Technology Dpt.

3- Year/Level of program: Second year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial - hrs Practical 2 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Adel Khedr

Course coordinator: Dr. Adel Khedr

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 362 91%

Results:

	No.	%
Passed	355	98.1
Failed	7	1.9

Grading of successful students:

	No.	%
Excellent	75	20.7
Very Good	92	25.4
Good	108	29.8
Pass	80	22.1

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecture
• Function calls and function returns	4	Dr. Adel Khedr
• Pointers in programming	6	
• Polymorphism	2	
• Structures	4	
• Classes and objects	6	
• Principle of information hiding	4	

• Inheritance in OOP	4	
Total hours	30	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Computer Laboratory
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Dr. Adel Khedr
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.
Adequate to some extent .....
Inadequate .....
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Adel Khedr

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: History of Science - (B202)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt. – Manufacturing Engineering and production Technology Dpt.

3- Year/Level of program: Second year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial - hrs Practical - hrs Total 2 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Shaban Ragab Gouda

Course coordinator: Prof. Shaban Ragab Gouda

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 366 92%

Results:

	No.	%
Passed	358	97.8
Failed	8	2.2

Grading of successful students:

	No.	%
Excellent	99	27
Very Good	104	28.4
Good	77	21
Pass	78	21.3

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• العلم والهندسة والتكنولوجيا	2	Prof. Shaban Ragab Gouda
• الهندسة والبحث العلمى – منظومه البحث العلمى	2	
• عناصر ومتطلبات البحث العلمى	2	
• الهندسة وخريطة البحث العلمى – مراحل البحث العلمى	2	
• تاريخ الهندسة والتكنولوجيا فى مختلف العصور	4	
• نقل التكنولوجيا	2	

• نشاطات العمل الهندسى ومسئوليات المهندس	2	Prof. Shaban Ragab Gouda
• التعليم الهندسى	2	
• نقابه المهندسين المصرية – جمعيه المهندسين المصرية	4	
• تطور اوجه النشاط الهندسى والتكنولوجى	4	
• اشهر علماء الهندسة والتكنولوجيا	2	
• مراجعه عامة	2	
Total hours	30	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [Classical lecturing using the white board]
Practical training/ laboratory: [None]
Seminar/Workshop: [None]
Class activity:
[A monthly discussion of what is given in the previous weeks.]

Case Study: [None]
Other assignments/homework: [Bi-weekly assignments]
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	[70 %]
Practical examination	[- %]
Other assignments/class work	[10 %]
Mid-Term Exam	[20 %]
Total	100 %

Members of examination committee Prof. Shaban Ragab Gouda
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Shaban Ragab Gouda

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Instruments & Measurements II - (E221)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Second year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial - hrs Practical 2 hrs Total 4 hrs

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

Prof. Dr. SHOUMAN E.I. SHOUMAN.

Course coordinator: Prof. Dr. SHOUMAN E.I. SHOUMAN.

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 360 90.45%

Results:

	No.	%
Passed	340	94.4
Failed	20	5.6

Grading of successful students:

	No.	%
Excellent	140	38.9
Very Good	71	19.7
Good	49	13.6
Pass	80	22.2

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Practical hours
DC Power and Accurate Resistance Measurements.	2	Prof. Dr. SHOUMAN E.I. SHOUMAN.
AC Power and Very Low Resistance Measurements.	2	
Very High Resistance Measurements.	2	
Capacitance, Inductance Equivalent Circuits, and AC Bridges.	2	
Capacitance and Inductance Measurements Using AC Bridges.	2	
AC Bridges Accuracy and Sensitivity.	2	
Impedance Measurements Based On Resonance.	2	
Non-Electrical Quantities Measurements.	2	
R, L, C, and LVDT Transducers.	2	
Displacement, Temperature, and Photoelectric Transducers.	2	
Semiconductor Photodiode and Phototransistors Transducers.	2	
Data Acquisition Systems.	2	

Data Acquisition Systems.	2	
D/A Converters.	2	
A/D Converters.	2	
Total Hours	30	

percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Measurements and testing laboratory

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. SHOUMAN E.I. SHOUMAN.

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. SHOUMAN E.I. SHOUMAN.
Signature:

Date: August 2013

3rd year Communication

Term	No.	Code	Course
First Term	1	B311	Mathematics V
	2	E301	Microelectronic I
	3	E311	Field Theory
	4	E321	Digital Logic Circuits Design
	5	E351	Control Engineering I
	6	B300	English IV
	7	E330	Computer Applications I
Second Term	8	E302	Microelectronic II
	9	E314	Computer Architecture
	10	E332	Communication Systems I
	11	E362	Electric Machines & Power Systems
	12	E352	Control Engineering II
	13	M360	Industrial Environment
	14	E331	Computer Applications II
	15	E399	Project

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Mathematics V - (B311)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Third year / 1st Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical - hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Aly Essawi

Course coordinator: Prof. Aly Essawi

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 139 86.33%

Results:

	No.	%
Passed	117	84.2
Failed	22	15.8

Grading of successful students:

	No.	%
Excellent	2	1.4
Very Good	15	10.8
Good	13	9.4
Pass	87	62.6

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Functions of complex variables (Review of complex numbers)	2	Prof. Aly Essawi
• Functions of complex variables, complex differentiation	2	
• Complex integration, Cauchy integral formula	2	
• Taylor and Laurent series	2	
• Conformal mapping and special transform.	2	
• Contour integration, Applications	2	
• Complex integration , Residue theorem	2	

• Classification of P.D.E and types of solutions	2	
• Solution of linear P.D.E with constant coffles	2	Prof. Aly Essawi
• Canonical and standard forms of P.D.E	2	
• Solutions of some boundary value problems	2	
• Heat flow and steady stale heat distribution	2	
• Vibration of strings	2	
• Vibration of membrane	2	
• Final Revision	2	
Total hours	30	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Aly Essawi
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc
Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Aly Essawi
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Microelectronic I - (E301)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 1st Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical - hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. H. TawfiK Kamel

Course coordinator: Prof. Dr. H. TawfiK Kamel

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 138 85.7%

Results:

	No.	%
Passed	123	89
Failed	15	11

Grading of successful students:

	No.	%
Excellent	9	6.5
Very Good	13	9.4
Good	21	15.2
Pass	80	58.0

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Operational Amplifiers Configurations	2	Prof. Dr. H. TawfiK Kamel
• Applications of Op-Amps	2	
• Op-Amp Differentiator	2	
• Op-Amp Integrator.	2	
• Design of Op-Amp circuits	2	
• Design of Digital to Analog Converter	2	
• Diode Terminal Characteristic	2	
• Design of Half wave & Full wave rectifier	2	
• Diode circuits	2	
• Dido applications (Clippers-clampers)	2	
• BJT transistor circuits	2	
• JFET Transistors	2	
• JFET Trans- conductance & ac parameters	2	
• CMOSFET Functions	2	
• CMOSFET Applications	2	—
Total hours	30	—

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. H. TawfiK Kamel
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. H. TawfiK Kamel

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Field Theory - (E311)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 1st Semester

4- Unit hours 2

Lectures 4 hrs Tutorial 2 hrs Practical - hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Mohammad El- Wekeel

Course coordinator: Dr. Mohammad El- Wekeel

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 138 85.7%

Results:

	No.	%
Passed	121	87.7
Failed	17	12.3

Grading of successful students:

	No.	%
Excellent	13	9.4
Very Good	8	5.8
Good	17	12.3
Pass	٨٣	٦٠.١

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Coordinates Systems and Vector Analysis:	-	Dr. Mohammad El- Wekeel
• Cartesian Coordinates	2	
• Cylindrical Coordinates	2	
• Spherical Coordinates	2	
• Vector Analysis	2	
• Electrostatic Field in Vacuum:	-	
• Coulomb's Law and Electric Field Intensity	4	
• Electric Flux Density & Gauss Law	4	
• Electrostatic Potential	4	
• The Electric Dipole	2	
• Poisson's & Laplace's Equations	2	
• Electrostatic Field in Dielectric Media	-	
• Polarization	2	
• Boundary Condition	2	

• Capacitance	2	Dr. Mohammad El- Wekeel
• Electrostatic Energy	2	
• Methods for the solution of Electrostatic Problems:	-	
• Solution of Laplace Equation	4	
• Solution of Poisson's Equation	4	
• Steady Electric Currents:		
• Ohm's Law and Joule's Law	2	
• Boundary condition of current density	2	
• Relaxation time	2	
• The steady Magnetic Field		
• Ampere's law, Biot-Savart law, and magnetic vector potential	4	
• Boundary conditions of steady magnetic field	2	
• Inductance and Magnetic circuits	2	
• Magnetic Force	2	
• Time Varying Field & Maxwell's equations:		
• Faraday's law and Displacement current	2	
• Maxwell's equations and Plane wave propagation in different media	2	
Total hours	60	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [Classical lecturing using the white board]

Practical training/ laboratory: [None]

Seminar/Workshop: [None]

Class activity:

[A monthly discussion of what is given in the previous weeks.]

Case Study: [None]

Other assignments/homework: [Bi-weekly assignments]

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	[70 %]
Practical examination	[- %]
Other assignments/class work	[20 %]
Mid-Term Exam	[10 %]
Total	100 %

Members of examination committee Dr. Mohammad El- Wekeel
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc
Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Mohammad El- Wekeel
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Digital Logic Circuits Design - (E321)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 1st Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical 2 hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Mohi-Eldin Rateb

Course coordinator: Prof. Dr. Mohi-Eldin Rateb

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 141 87.6%

Results:

	No.	%
Passed	141	100
Failed	0	0

Grading of successful students:

	No.	%
Excellent	16	11.3
Very Good	38	27.0
Good	26	18.4
Pass	٦١	٤٣.٣

C- Professional Information

1 – Course teaching:

Week No.	Topic	Lecture Hours	Lecture
1	- Introduction -Aims realized through the topics of this subject.	2	Prof. Dr. Mohi-Eldin Rateb
2	• Synthesis of sequential logic circuits -State diagrams and state table representation.	2	
3	-The Mealy and Moore models. -Synthesis procedure of completely specified sequential circuits.	2	
4	• Building state diagram (table) • Using state reduction techniques (state equivalence) and specially the implication chart method.	2	
5	• State assignment techniques. • Excitation functions derivation. - Controllable counters as an example for a Moore model.	2	
6	• Analysis of sequential logic circuits.	2	
7	• Modular Design Approaches using Register Transfers and Data paths - Digital systems subdivision (Data path and control). o Register transfer operations. -Arithmetic micro operations.	2	
8	o Logic micro operations. o Shift micro operations. o Multiplexer-based micro operations. - Tristate bus based transfers.	2	
9	-Memory based transfers. - A data path design proposed model. -Design of arithmetic logic unit (ALU). - Control word based design.	2	
10	• Sequencing Control and Algorithmic State Machines (ASM) -The control unit. -The ASM chart construction.	2	
11	-An illustrative model (binary multiplier).	2	
12	-Hardwired control. - Realization of the sequencing part of the ASM chart using sequence register and decoder and using one flip-flop per state.	2	
13	- Micro programmed control.	2	
14	• Memory System Design o Static RAMs (RAM cell and RAM bit slice) o Coincident selection. o Dynamic RAMs (Basic cell, addressing and refreshing. o Memory system hierarchy. -Cache memory.	2	
15	o Design using ROM-RAM combination. o Design involving decoder implementation. o Design using memory array configuration. -Increasing the size of physical memory space.	2	
	• *Total Hours*	30	

percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Logic Design Laboratory

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Mohi-Eldin Rateb

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent .....

Inadequate .....

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Mohi-Eldin Rateb

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Control Engineering I - (E351)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 1st Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical 2 hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Magdy O. Tantawy

Course coordinator: Prof. Dr. Magdy O. Tantawy

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 139 86.34%

Results:

	No.	%
Passed	117	84.2
Failed	22	15.8

Grading of successful students:

	No.	%
Excellent	3	2.2
Very Good	11	7.9
Good	19	13.7
Pass	٨٤	٦٠.٤

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to control systems(closed loop versus open loop control)	2	Prof. Dr. Magdy O. Tantawy
• Mathematical background and solving of linear time-invariant differential equations	4	
• Mathematical modeling of dynamic systems 1. Transfer function & impulse response 2. Block diagram system & block algebra. 3. Basics of signal flow graph & Mason's gain formula. 4. Closed loop system subjected to disturbance & error transfer function. 5. State-space representation of dynamic systems & state transition matrix. 6. Modeling & transfer functions of some typical electrical and mechanical systems.	12	

• Transient and steady-state response analyses:- 1. First-order & second-order open and closed loop step response. 2. Effect of roots of the characteristic equation (poles of the system) on the system transient response parameters.	6
• Basic control actions of control systems 1. P, PI, PD, PID controller. 2. Effects of integral and derivative control actions on system performance.	6
Total	30

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Control Laboratory
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Magdy O. Tantawy
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Magdy O. Tantawy

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: English IV - (E351)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Tech. Dpt. - Manufacturing Engineering & Production Tech. Dpt.

3- Year/Level of program: Third year / 1st Semester

4- Unit hours 2

Lectures 2 hrs Tutorial - hrs Practical - hrs Total 2 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Nevin Samir

Course coordinator: Dr. Nevin Samir

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 141 87.6%

Results:

	No.	%
Passed	140	99.3
Failed	1	0.7

Grading of successful students:

	No.	%
Excellent	24	17.0
Very Good	36	25.5
Good	26	18.4
Pass	٥٤	8.5

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Murder	10	Dr. Nevin Samir
• A False Charge.	6	
• Interviewing Preparation.	10	
• Writing a CV/Resume'	4	
Total hours	30	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	30 %
Mid-Term Exam	30 %
Total	100 %

Members of examination committee Dr. Nevin Samir

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment

against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Nevin Samir
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Computer Applications I - (E330)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Tech. Dpt.

3- Year/Level of program: Third year / 1st Semester

4- Unit hours 2

Lectures 1 hrs Tutorial - hrs Practical 2 hrs Total 3 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Ashraf M. Aly

Course coordinator: Dr. Ashraf M. Aly

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 143 88.8%

Results:

	No.	%
Passed	131	91.6
Failed	12	8.4

Grading of successful students:

	No.	%
Excellent	3	2.1
Very Good	11	7.7
Good	21	14.7
Pass	٩٦	٦٧.١

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to MATLAB. • Matrix Operations, Array Operations Vectors and Matrix Operations.	1 2	Dr. Ashraf M. Aly
• Graphing. • Data Analysis.	2 1	
• Control Flow.	1	
• M – Files.	1	
• Advanced Programming in MATLAB	1	
• Introduction to Simulink	2	
• Computer Application using MATLAB-Mathematical Models of systems	4	
Total hours	15	

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Computer Laboratory
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	- %
Mid-Term Exam	20 %
Total	100 %

Members of examination committee Dr. Ashraf M. Aly
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Ashraf M. Aly
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Project - (E399)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 1st Semester

4- Unit hours 2

Lectures 1 hrs Tutorial - hrs Practical 3 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Ir. Mostafa Afifi

Course coordinator: Prof. Dr. Ir. Mostafa Afifi

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 143 88.8%

Results:

	No.	%
Passed	142	99.3
Failed	1	0.7

Grading of successful students:

	No.	%
Excellent	29	20.3
Very Good	43	30.1
Good	41	28.7
Pass	29	20.3

C- Professional Information

1 – Course teaching:

Topic	Lecture Hours	Lecturer
Project Background	6	Prof. Dr. Ir. Mostafa Afifi
Project Activities	4	
Practical implementation		
Production of the final model		
Testing and correcting output		
Preparation of the presentation	4	
Total hours	14	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Projects Laboratory

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Instructor's evaluation:	30 %
Practical exam/report:	40 %
Discussions:	30 %
Total	100 %

Members of examination committee: Prof. Dr. Ir. Mostafa Afifi

Role of external evaluator: None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate: .Yes.

Adequate to some extent: ……

Inadequate: ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None — None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.

- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Ir. Mostafa Afifi
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Microelectronic II - (E302)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial - hrs Practical 2 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Hany Tawfik

Course coordinator: Prof. Dr. Hany Tawfik

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 143 93 %

Results:

	No.	%
Passed	115	80.4
Failed	28	19.6

Grading of successful students:

	No.	%
Excellent	7	5.2
Very Good	15	11.2
Good	14	10.4
Pass	70	52.2

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Practical hours
Bipolar junction transistor amplifier	10	Prof. Dr. Mohamed Atef Bassouney
Frequency response	10	
Feedback	10	
Signal generator and waveform shaping circuits	4	
Total hours	32	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: microelectronics Laboratory

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	- %
Mid-Term Exam	20 %
Total	100 %

Members of examination committee Prof. Dr. Hany Tawfik

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.

- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Hany Tawfik
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Computer Architecture II - (E314)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical - hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Sabry M. Abdel – Moetty

Course coordinator: Dr. Sabry M. Abdel – Moetty

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 141 87.6%

Results:

	No.	%
Passed	140	99.3
Failed	1	0.7

Grading of successful students:

	No.	%
Excellent	22	15.6
Very Good	32	22.7
Good	24	17.0
Pass	62	44.0

C- Professional Information

1 – Course teaching:

Topic	lectures/ hours	Lecturer
Basic Structure of computers	2	Dr. Sabry M. Abdel – Moetty
Addressing Modes	4	
Arithmetic and logic units	4	
Memory unit	2	
Secondary storage	2	
Computer Architecture	4	
Operating system support	4	
Programming the basic computer	8	
Totals	30	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	10 %
Mid-Term Exam	30 %
Total	100 %

Members of examination committee Dr. Sabry M. Abdel – Moetty
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc
Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Sabry M. Abdel – Moetty
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Communication Systems I - (E332)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical 1 hrs Total 5 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Adel El- Sherif

Course coordinator: Prof. Dr. Adel El- Sherif

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 136 84.5%

Results:

	No.	%
Passed	121	89
Failed	15	11

Grading of successful students:

	No.	%
Excellent	14	10.3
Very Good	12	8.8
Good	20	14.7
Pass	75	55.1

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
1- Introduction to basic principles of communication systems.	2	0
2- Methods for representing system, signals, and channel.	2	0
3- Some important operation performed on the signal (energy and power calculation – time shifting and time scaling).	4	6
4- Introduction to the concept of Fourier series showing various forms of Fourier series representations.	2	0
5- Definition of Fourier transform and its properties.	4	0
6- Channel distortion and channel equalization.	4	0
7- Continuous wave amplitude modulation and its types: AM – (DSB-SC) and SSB - carrier acquisition, super-heterodyne receiver, AM receive - TV modulation and demodulation.	6	6
8- Concepts of angle modulation.	2	0
9- Frequency and phase modulation / demodulation.	4	3
Total hours	30	15

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Analog Comm. Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Adel El- Sherif
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc
Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Adel El- Sherif
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Electric Machines & Power Systems - (E362)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Third year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical 1 hrs Total 5 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Said A. Gawish

Course coordinator: Prof. Dr. Said A. Gawish

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 142 88.2%

Results:

	No.	%
Passed	131	92.3
Failed	11	7.7

Grading of successful students:

	No.	%
Excellent	16	11.3
Very Good	26	18.3
Good	24	16.9
Pass	65	45.8

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Circuit analysis of transformers	4	Prof. Dr. Said A. Gawish
• Transformer construction	2	
o Equivalent circuit of a transformer	2	
• Transformer test	2	
• Construction of dc machines	2	
• Classification of dc machines	2	
• Circuit equations of dc machines	2	
• DC machine efficiency	2	
• Construction of induction motors	2	
• Torque-speed characteristics	2	
• Efficiency of induction motors	2	
• Circuit equations of synchronous machines	2	
• Construction of synch machines	2	
• Operation of synch machines	2	
Total hours	30	

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Computer Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Said A. Gawish
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Said A. Gawish
Signature:

Date: August 2013

Annual Course Report

(Academic Year 201٢-201٣)

A- Basic Information

1- Title and code: Control Engineering II - (E352)

2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.

3- Year/Level of program: Third year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 2 hrs Practical 1 hrs Total 5 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Magdy O. Tantawy

Course coordinator: Prof. Dr. Magdy O. Tantawy

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. ١٦١ 100%

No. of students completing the course: No. ١٣٩ 86.3%

Results:

	No.	%
Passed	111	79.86
Failed	28	20.14

Grading of successful students:

	No.	%
Excellent	4	2.9
Very Good	11	7.9
Good	15	10.8
Pass	18	58.3

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Stability analysis of linear control system: 1. The concept of stability & Routh-Hurwitz criterion. 2. Application of Routh criterion to system analysis & stability of systems in state space.	4	Prof. Dr. Magdy O. Tantawy
• Root Locus method: 1. Root-locus plots concept 2. General rules for constructing root locus 3. Root-Locus plots with MATLAB	6	
• Frequency response analysis: 1. Frequency response from pole-zero plots 2. Bode diagrams 3. Log magnitude-versus-phase plots 4. Relationship between system type and log-magnitude curve	8	
• Stability in the Frequency domain: 1. Contours in the S-plane & Nyquist criterion. 2. Stability analysis & relative stability.	4	

• Control system design by the Root-Locus method: 1. Preliminary design considerations & compensators for improving system performance. 2. Lead compensation. 3. Lag compensation. 4. Lag-Lead compensation.	8	4
Total	30	15

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Automatic Control Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Magdy O. Tantawy
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Magdy O. Tantawy
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Industrial Environment - (M360)

2- Program(s) on which this course is given: Manufacturing Eng.& Production Technology Dpt.

3- Year/Level of program: Third year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial - hrs Practical - hrs Total 2 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Mamdouh Saber

Course coordinator: Dr. Mamdouh Saber

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 139 86.3%

Results:

	No.	%
Passed	120	86
Failed	19	14

Grading of successful students:

	No.	%
Excellent	13	9.4
Very Good	16	11.5
Good	25	18.0
Pass	66	47.5

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
Industrial Design – Design concepts	2	Dr. Mamdouh Saber
Ergonomics	2	
Application of ergonomics – Instruments – Controls – Work place	2	
Aesthetic and ergonomics consideration	2	
Working conditions and Environment	2	
Heating and Ventilation	2	
Local Ventilation - Industrial Ventilation	2	
Air condition systems – CFC'S - Ozone	2	
depletion and Global Warning	2	
Noise – Exposer to noise – Noise control	2	

technique – Vibration	2	
Lighting – Level of luminance – Factors	2	
affecting the quality of lighting	2	
Human effectiveness	2	
Revision	2	
Total hours	30	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	10 %
Mid-Term Exam	30 %
Total	100 %

Members of examination committee Dr. Mamdouh Saber
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc
Totally adequate .Yes.

Adequate to some extent ☐
Inadequate ☐
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Mamdouh Saber
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Computer Applications II - (E331)

2- Program(s) on which this course is given: Computer Engineering & Information Technology Dpt Electronic Engineering & Communication Technology Dpt.

3- Year/Level of program: Third year / 2nd Semester

4- Unit hours 2

Lectures 1 hrs Tutorial - hrs Practical 3 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Abdelmoneim fouda

Course coordinator: Dr. Abdelmoneim Fouda

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 141 87.6%

Results:

	No.	%
Passed	140	99.3
Failed	1	0.7

Grading of successful students:

	No.	%
Excellent	22	15.6
Very Good	32	22.7
Good	24	17.0
Pass	62	44.0`

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to PSPICE. • DC Analysis.	1 2	Dr. Abdelmoneim fouda
• AC Circuit Analysis. • Transient Circuit Analysis.	2 2	
• Non Linear Devices Modeling.	2	
• Diodes Models and transistors Models. • Operational Amplifiers Circuits	3 2	
• Digital circuits simulation	1	
Total hours	15	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Computer Lab.

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	- %
Mid-Term Exam	20 %
Total	100 %

Members of examination committee Dr. Abdelmoneim fouda

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment

against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Abdelmoneim fouda
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Project - (E399)

2- Program(s) on which this course is given: Electronic Eng.& Communication Technology Dpt.

3- Year/Level of program: Third year / 2nd Semester

4- Unit hours 2

Lectures 1 hrs Tutorial - hrs Practical 3 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Ir. Mostafa Afifi

Course coordinator: Prof. Dr. Ir. Mostafa Afifi

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 161 100%

No. of students completing the course: No. 143 88.8%

Results:

	No.	%
Passed	142	99.3
Failed	1	0.7

Grading of successful students:

	No.	%
Excellent	29	20.3
Very Good	43	30.1
Good	41	28.7
Pass	29	20.3

C- Professional Information

1 – Course teaching:

Topic	Lecture Hours	Practice hours	Lecturer
Project Background	6		Prof. Dr. Ir. Mostafa Afifi
Project Activities	4		
Practical implementation		20	
Production of the final model		20	
Testing and correcting output		20	
Preparation of the presentation	4		
Total hours	14	60	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Projects Lab.

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Instructor's evaluation:	30 points
Practical exam/report:	40 points
Discussions:	30 points
Total	100 %

Members of examination committee Prof. Dr. Ir. Mostafa Afifi

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Ir. Mostafa Afifi
Signature:

Date: August 2013

4th year Communication

Term	No.	Code	Course
First Term	1	B411	Mathematics IV
	2	E401	Design of Electronic Circuits
	3	E421	Microprocessors I
	4	E442	Communication Systems II
	5	E431	Computer Organization
	6	B401	Environments Technology
Second Term	9	E412	Information Systems
	10	E441	Waves & Antennas I
	11	E402	Large Scale Integrated Systems
	12	E422	Microprocessors II
	13	E432	Electronic Measurements
	14	B412	Business Management
	15	E400	Summer Training

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Mathematics IV - (B411)

2- Program(s) on which this course is given: Computer Engineering & Information Technology Dpt Electronic Engineering & Communication Technology Dpt. - Manufacturing Engineering & Production Technology Dpt.

3- Year/Level of program: Fourth year / 1st Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 2 hrs Practical - hrs Total 5 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Ossama El Gayar

Course coordinator: Prof. Ossama El Gayar

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 335 96.8%

Results:

	No.	%
Passed	326	97.3
Failed	9	2.7

Grading of successful students:

	No.	%
Excellent	66	19.7
Very Good	71	21.2
Good	78	23.3
Pass	111	33.1

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Least square Approximation – lagrange	3	Prof. Ossama El Gayar
• Newton Interpolation	3	
• Newton – cotes Integration method.1	3	
• Newton – cotes Integration Method-2	3	
• Romberge-Integration method	3	
• Numerical solution of O.D.E	3	
• Runge- Kutta Methods	3	
• Numerical solution of linear equation.	3	
• Numerical solution of nonlinear merge	3	

• Numerical solution of P.D.E	3	
• The probability space-conditional Probability	3	2
• Probability function and distributions	3	2
• Discrete and continuous Distribution	3	2
• Statistical Estimation- correlation factor	3	2
Total hours	45	30

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Ossama El Gayar
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc
Totally adequate .Yes.
Adequate to some extent .....

Inadequate ☐.....
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Ossama El Gayar
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Design of Electronic Circuits - (E401)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fourth year / 1st Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 2 hrs Practical 2 hrs Total 7 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Kamel abd EL-Fattah

Course coordinator: Dr. Kamel abd EL-Fattah

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 332 96.3%

Results:

	No.	%
Passed	284	85.54
Failed	48	14.46

Grading of successful students:

	No.	%
Excellent	31	9.3
Very Good	43	13.0
Good	64	19.3
Pass	146	44.0

C- Professional Information

1 – Course teaching:

Topic	Hours	Lecturer
Linear Power Amplifier Class A Amplification Class B Amplification Class C Amplification Class D Amplification Class E Amplification Class F Amplification Class S Amplification	 2 2 2 2 2 2 2	Dr. Kamel abd EL-Fattah
Sine Wave Oscillators The Criteria of Oscillation Negative Resistance Oscillators Feedback Oscillators Oscillator Design Techniques Colpitts Oscillator Analysis and Design Other Oscillator Circuits Maximum Efficiency Oscillator Crystal Controlled Oscillator	15	Dr. Kamel abd EL-Fattah
ADC DAC Frequency synthesizers	4 4 8	2 2 1
Total hours	45	15

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [Classical lecturing using the white board]

Practical training/ laboratory : [Micro electronics Lab.]

Seminar/Workshop: [None]

Class activity:

[A monthly discussion of what is given in the previous weeks.]

Case Study: [None]

Other assignments/homework: [Bi-weekly assignments]

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	- %
Mid-Term Exam	20 %
Total	100 %

Members of examination committee Dr. Kamel abd EL-Fattah
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:
Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Kamel abd EL-Fattah
Signature:
Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Microprocessors I - (E421)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Fourth year / 1st Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 2 hrs Practical 1 hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. R. Mostafa

Course coordinator: Prof. Dr. R. Mostafa

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 333 96.24%

Results:

	No.	%
Passed	315	94.8
Failed	18	5.2

Grading of successful students:

	No.	%
Excellent	15	4.5
Very Good	35	10.5
Good	55	16.5
Pass	210	63.1

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Numbering and coding systems	4	Prof. Dr. R. Mostafa
• Architecture of 8 bit and bit microprocessor	6	
• Intel microprocessors form 8086 to Pentium	6	
• Inside the 8086 / 8088 microprocessor	6	
• Segment registers and addresses	8	
• 80x86 addressing modes	6	
• Programming the 80 x 86 Directives	8	
• The 80x86 Instructions	8	
• Methods of address decoding	4	
• Programmed input / output	6	
•		
Total hours	45	

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Micro-processor Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	- %
Mid-Term Exam	20 %
Total	100 %

Members of examination committee Prof. Dr. R. Mostafa
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. R. Mostafa
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Communication Systems II - (E442)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fourth year / 1st Semester

4- Unit hours 2

Lectures 4 hrs Tutorial 2 hrs Practical 1 hrs Total 7 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Adel S. El-Sherif

Course coordinator: Prof. Dr. Adel S. El-Sherif

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 332 96%

Results:

	No.	%
Passed	317	95.5
Failed	15	4.5

Grading of successful students:

	No.	%
Excellent	61	18.4
Very Good	54	16.3
Good	64	19.3
Pass	138	41.6

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
1-Introduction to pulse & digital communication	4	Prof. Dr. Adel S. El-Sherif
2-Typs of pulse modulation	4	
3-Analog pulse modulation	4	
4-Digital pulse modulation	4	
5- Sampling Theory	4	
6-Standard pulse code Mod. &Modified types of digital pulse Modulation	4	
7- Delta &Delta –segma differential pulse code modulation	4	
8- Introduction to digital modulation	4	
9- Digital Transmission & Digital Radio communication	4	
10- FSK Mod. &PSK Mod.	4	
11- Multi phase PSK Mod & Carrier Recovery & clock recovery.	4	
12- Random noises	4	
13- Analog & Digital Comm. System behavior in noise	4	

14- Analog & Digital Comm. System	4
15- Analog & Digital Comm. System behavior in noise	4
Total hours	60

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Advanced Comm. Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Adel S. El-Sherif
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate	.Yes.
Adequate to some extent	.....
Inadequate	.....

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course:	Response of course team
List any criticisms	
None	None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Adel S. El-Sherif
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Computer Organization - (E431)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fourth year / 1st Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 4 hrs Practical 1 hrs Total 7 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Sabry M. Abdel – Moetty

Course coordinator: Dr. Sabry M. Abdel – Moetty

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 330 95.4%

Results:

	No.	%
Passed	290	88
Failed	40	12

Grading of successful students:

	No.	%
Excellent	36	10.9
Very Good	42	12.7
Good	70	21.2
Pass	142	43

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
Flip-Flops, Decoders, Registers, Multiplexers	2W / 12	Dr. Sabry M. Abdel – Moetty
Instruction Codes	2W / 12	
Computer Registers	2W / 12	
Timing And Control	2W / 12	
Instruction Cycles	2W / 12	
Complete Computer Design	2W / 12	
Total hours	45	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Micro-processor. Lab.

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	50 %
Practical examination	20 %
Other assignments/class work	- %
Mid-Term Exam	30 %
Total	100 %

Members of examination committee Dr. Sabry M. Abdel – Moetty

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment

against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Sabry M. Abdel – Moetty
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Environments Technology - (B401)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt. - Computer Eng. & Information Tech. Dpt.

3- Year/Level of program: Fourth year / 1st Semester

4- Unit hours 2

Lectures 3 hrs Tutorial - hrs Practical - hrs Total 3 hrs

6- Names of lecturers contributing to the delivery of the course: Dr. Marwa Showeab

Course coordinator: Dr. Marwa Showeab

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 336 97.1%

Results:

	No.	%
Passed	324	96.4
Failed	12	3.6

Grading of successful students:

	No.	%
Excellent	71	21.1
Very Good	57	17.0
Good	59	17.6
Pass	137	40.8

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Population Growth and the Environment	5	Dr. Marwa Showeab
• Energy	7	
• Technology Transfer	6	
• Air Pollution	8	
• Water Pollution	4	
• Noise Pollution	6	
• Environmental Impact Assessment and the Egypt law No.4 of 1994 on the Environment.	6	
• Final Revision	3	
Total hours	45	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	10 %
Mid-Term Exam	20 %
Total	100 %

Members of examination committee Dr. Marwa Showeab

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment

against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Marwa Showeab
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Information Systems - (E412)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt. - Computer Eng. & Information Tech. Dpt.

3- Year/Level of program: Fourth year / 2nd Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 2 hrs Practical - hrs Total 5 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Adel Khedr

Course coordinator: Dr. Adel Khedr

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 327 94.5%

Results:

	No.	%
Passed	285	87.16
Failed	42	12.84

Grading of successful students:

	No.	%
Excellent	21	6.4
Very Good	34	10.4
Good	54	16.5
Pass	176	53.8

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
Information Systems Concepts	2	Dr. Adel Khedr
Types of information systems	2	
Components of information system	2	
Hardware fundamentals	3	
Software fundamentals	3	
Database fundamentals	2	
Communication	2	
Management Information Systems concepts	3	
Characteristics and capabilities of Management Information Systems	3	
Decision support systems (DSS) concepts	2	
Components of DSS - Phases of decision making	2	
Basic concepts of expert system -Advantages of Expert Systems. The	2	
Components and operation of Expert Systems.	2	
Transaction processing System (TPS) features	2	
The Transaction Processing Cycle (activity)	2	
Electronic Data Interchange	2	

Transaction Processing Methods	2	
Project management and planning techniques	3	
Internet Concepts and Information superhighway Intranet & Extranet concepts	2 2	--
Total	45	--

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	67 %
Practical examination	- %
Other assignments/class work	13 %
Mid-Term Exam	20 %
Total	100 %

Members of examination committee Dr. Adel Khedr
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Adel Khedr
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Waves & Antennas I - (E441)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fourth year / 2nd Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 2 hrs Practical 1 hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Mokhtar Abdel Halim

Course coordinator: Prof. Dr. Mokhtar Abdel Halim

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 324 93.64%

Results:

	No.	%
Passed	290	89.5
Failed	34	10.5

Grading of successful students:

	No.	%
Excellent	14	4.3
Very Good	33	10.2
Good	51	15.7
Pass	192	59.3

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
1- Maxwell's equations and Plane waves		Prof. Dr. Mokhtar Abdel Halim
1.1 Reflection and refraction of plane waves	3	
1.2. Microwave power and energy (far-field)	3	
2- Guided Waves and Waveguides		
2.1 Rectangular waveguide and pointing vector	3	
2.2 Circular waveguide	3	
2.3 Coaxial and micro strip lines	3	
2.4 Attenuation in waveguides	3	
2.5 Cutoff attenuation in waveguides	3	
2.6 Attenuation in micro strip line	3	
3- Impedance transformation and matching		
3.1 Voltage and current waves	3	
3.2 Standing waves and VSWR	3	
3.3 Smith Chart	3	
3.4 Single and double stub matching	3	

3.5 impedance transformers	3	
3.6 Binomial and Tshebyshev transformers	3	
3.7 Tapered Z – transformers	3	
Total hours	45	

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Antenna Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	7 %
Mid-Term Exam	13 %
Total	100 %

Members of examination committee Prof. Dr. Mokhtar Abdel Halim
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:	Response of course team
List any criticisms	
None	None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Mokhtar Abdel Halim
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Large Scale Integrated Systems - (E402)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fourth year / 2nd Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 2 hrs Practical 2 hrs Total 7 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Samir Kamal

Course coordinator: Dr. Samir Kamal

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 326 94.22%

Results:

	No.	%
Passed	309	95.6
Failed	17	5.2

Grading of successful students:

	No.	%
Excellent	29	8.9
Very Good	44	13.5
Good	86	26.4
Pass	150	46.0

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
. Introduction and VLSI terminologies	3	Dr. Samir Kamal
. Introduction to CMOS circuits	-	
. MOS transistors switches	2	
. CMOS Logic	4	
. Circuit and system representations	2	
. MOS transistor theory	-	
. n and pMOS enhancement transistor	3	
. MOS device design equations	4	
. Small signal AC characteristics	2	
. The complementary CMOS inverter-DC characteristics	4	
. CMOS processing technology	-	
. Basic CMOS technology	3	
. CMOS process enhancements	2	
. Layout design rules	4	
.Circuit characterization and performance estimation	-	
. Resistance and capacitance estimation	4	
. Inductance	2	
. Switching characteristics	2	

. Power dissipation	4
Total hours	45

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Computer Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	15 %
Other assignments/class work	15 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Dr. Samir Kamal
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Samir Kamal

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Microprocessors II - (E422)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Fourth year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 1 hrs Practical 1 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. R. Mostafa

Course coordinator: Prof. Dr. R. Mostafa

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 325 93.9%

Results:

	No.	%
Passed	290	89.2
Failed	35	11.8

Grading of successful students:

	No.	%
Excellent	36	11.1
Very Good	35	10.8
Good	58	17.8
Pass	161	49.5

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introducing Microcontrollers training kit or simulation software	2	Prof. Dr. R. Mostafa
• The 8051 Microcontrollers Architecture	2	
• Memory Organization	2	
• Addressing modes	2	
• Instruction set	3	
• T/ O ports and their functions	3	
• Timer / Counters	3	
• Interrupts	3	
• Serial communication	2	
• Memory decoding	2	
• Interfacing with the 8255PPI	2	
• Real world interfacing LCD, ADC, sensors, stepper motors, keyboard, DAC	6	
Total hours	32	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Micro-processor Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. R. Mostafa
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. R. Mostafa
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Electronic Measurements - (E432)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Fourth year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs Tutorial 0 hrs Practical 4 hrs Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Hany Tawfik

Course coordinator: Prof. Dr. Hany Tawfik

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 325 93.9%

Results:

	No.	%
Passed	304	93.5
Failed	21	6.5

Grading of successful students:

	No.	%
Excellent	44	13.5
Very Good	74	22.8
Good	61	18.8
Pass	125	38.5

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Analog Measuring Equipment	2	Prof. Dr. Hany Tawfik
• CRT, Deflection Amplifiers, Time base	2	
• Display systems& waveform display	2	
• Dual Trace Oscilloscopes, supplies, testing	2	
• Special types of oscilloscopes	2	
• Digital Storage Oscilloscope	2	
• Measuring phase difference using oscilloscope	2	
• Measuring frequency using Lissajous Figure	2	
• Analog Electronic Millie-ammeters	2	
• Analog Electronic Voltmeters & ohmmeters	2	
• Digital Electronic Voltmeters	2	
• Digital Electronic Frequency meters, reciprocal count.	2	
• Distortion meters	2	
• Frequency meter and Spectrum Analyzer	2	

• Signal generators	2
Total hours	30

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: Microelectronics Lab.
Seminar/Workshop: None
Class activity:
A monthly discussion of what is given in the previous weeks.

Case Study: None
Other assignments/homework: Bi-weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	6.5 %
Mid-Term Exam	13.5 %
Total	100 %

Members of examination committee Prof. Dr. Hany Tawfik
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms	
None	None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Hany Tawfik

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Business Management - (B412)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt. - Computer Engineering & Information Technology Dpt.

3- Year/Level of program: Fourth year / 2nd Semester

4- Unit hours 2

Lectures [3 hrs] Tutorial [- hrs] Practical [- hrs] Total [3 hrs]

5- Names of lecturers contributing to the delivery of the course: Prof. Dr Hassan Awad

Course coordinator: Prof. Dr Hassan Awad

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. [346] 100%

No. of students completing the course: No. [328] 94.8%

Results:

	No.	%
Passed	325	99.1
Failed	3	0.9

Grading of successful students:

	No.	%
Excellent	145	44.2
Very Good	66	20.1
Good	53	16.2
Pass	61	18.6

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Interdiction to Management and organizations	7	Prof. Dr Hassan Awad
• Today Management current trends and issues.	7	
• Organizational culture and Environment: Constraints.	7	
• Decision making- the Essence of the manager's job	5	
• International Business an overview	13	
• Strategic Management	3	
• Final Revision	3	
Total hours	45	

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

A monthly discussion of what is given in the previous weeks.

Case Study: None

Other assignments/homework: Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	10 %
Mid-Term Exam	20 %
Total	100 %

Members of examination committee Prof. Dr Hassan Awad

Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr Hassan Awad
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Summer Training - (E400)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fourth year / 2nd Semester

4- Unit hours 2

Lectures - hrs Tutorial - hrs Practical - hrs Total - hrs

5- Names of lecturers contributing to the delivery of the course: Prof Dr. Said Biomy

Course coordinator: Prof Dr. Said Biomy

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 346 100%

No. of students completing the course: No. 341 98.6%

Results:

	No.	%
Passed	337	98.8
Failed	4	1.2

Grading of successful students:

	No.	%
Excellent	242	71.0
Very Good	29	8.5
Good	8	2.3
Pass	58	17.0

C- Professional Information

1 – Course teaching:

Topic	Practical hours	Lecturer
Practicing the actual production cycle	48	Prof Dr. Said Biomy
Total hours	48	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None

Practical training/ laboratory: External institutes visits

Seminar/Workshop: None

Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Report	50 %
Practical examination	- %
Oral Discussion	50 %
Mid-Term Exam	- %
Total	100 %

Members of examination committee Prof Dr. Said Biomy
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate	.Yes.
Adequate to some extent	……
Inadequate	……

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team
List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof Dr. Said Biomy
Signature:

Date: August 2013

5th year Communication

Term	No.	Code	Course
First Term	1	M561	Engineering Economy
	2	E501	Digital Signal Processing
	3	E511	Microwave Circuits
	4	E522	Radio & TV Engineering
	5	E562	Communication System III
	6	E572	Optoelectronic (elective course)
Second Term	9	B512	Laws and Regulations
	10	E519	Waves & Antennas II
	11	E524	Advanced Communication Systems
	12	E582	Radar Systems and Remote Sensing
	13	E552(d)	Power Electronics
	14	E599	5th Year Project

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Digital Signal Processing - (E501)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 1st Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 2 hrs Practical 1 hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Samir Kamal

Course coordinator: Dr. Samir Kamal

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 386 98.19%

Results:

	No.	%
Passed	362	93.8
Failed	٢٤	٦.٢

Grading of successful students:

	No.	%
Excellent	41	10.6
Very Good	٦٧	١٧.٤
Good	٩٣	٢٤.١
Pass	١٦١	٤١.٧

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Signal, system and signal processing	2	Dr. Samir Kamal
• Classification of signals	2	
• The concept of frequency in continuous-time and discrete-time signals	2	
• Analog-to-digital and digital-to-analog conversion	2	
• Fourier series (FS) and Fourier Transform (FT)	2	
• Discrete Fourier Transform (DFT) and its inverse	3	
• Computational complexity of the DFT	4	
• Autocorrelation, cross-correlation, and convolution	4	
• Z- transform and its inverse	6	
• Properties of the Z-transform	4	
• Application of Z-transform in DSP	4	
• Design of the digital filters	-	
• Types of the digital filters and choosing between them	2	

• FIR filter design	4
• IIF filter design	4
Total	45

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: DSP Lab.
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	10 %
Other assignments/class work	23 %
Mid-Term Exam	7 %
Total	100 %

Members of examination committee Dr. Samir Kamal
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Samir Kamal

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Microwaves Circuits - (E511)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 1st Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 2 hrs Practical 1 hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Mokhtar Abdel Halim

Course coordinator: Prof. Dr. Mokhtar Abdel Halim

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 386 97%

Results:

	No.	%
Passed	351	91
Failed	35	9

Grading of successful students:

	No.	%
Excellent	25	6.5
Very Good	27	7.0
Good	56	14.5
Pass	243	63.0

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
1- Microwave Resonators	3	Prof. Dr. Mokhtar Abdel Halim
2- Microwave Circuits Voltage and Current	3	
3- Z-matrix and Y-matrix	3	
4- Scattering Matrix	3	
5- Power in Microwave Circuits	3	
6- Passive Microwave Devices	3	
7-Wavegide devices and termination	3	
8- Directional Couplers	3	
9- Isolator and Circulators	3	
10- Hybrid Junctions and Micro strip circuits	3	
11- Microwave Klystrons and Magnetrons	3	
12- Microwave Semiconductors Circuits	3	
13- Negative Resistance Diodes	3	
14- Parametric Amplifiers	3	
15- Microwave Oscillators	3	
Total hours	45	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: Microwave Lab.
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	13 %
Mid-Term Exam	7 %
Total	100 %

Members of examination committee Prof. Dr. Mokhtar Abdel Halim
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Mokhtar Abdel Halim
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Radio & TV Engineering - (E522)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 1st Semester

4- Unit hours 2

Lectures 4 hrs Tutorial 2 hrs Practical 1 hrs Total 7 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Said Baiomy.

Course coordinator: Prof. Dr. Said Baiomy.

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 387 98.11%

Results:

	No.	%
Passed	363	93.8
Failed	24	6.2

Grading of successful students:

	No.	%
Excellent	32	8.3
Very Good	55	14.2
Good	96	24.8
Pass	180	46.5

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to needs for modulation	2	Prof. Dr. Said Baiomy.
• How radio system started and developed	2	
• Kinds of radio systems and comparison	4	
• Radio system design fundamentals	8	
• Radio circuits design	10	
• Advantages of stereo system VS. mono	2	
• Structure stereo signal and system.	4	
• The human eye response to colors	2	
• Prime colors and color mixing fundamentals	4	
• Photometric measurements & color matrix	4	
• TV camera and construction of color signal	4	
• Scanning and synchronization	4	

• TV receiver structure and analysis	6
• TV-tubes color picture demonstration	4
TOTAL	60

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [None]
Practical training/ laboratory: [Radio and TV Lab.]
Seminar/Workshop: [None]
Class activity: [None]
Case Study: [None]
Other assignments/homework: [None]
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	[60 %]
Practical examination	[20 %]
Other assignments/class work	[10 %]
Mid-Term Exam	[10 %]
Total	100 %

Members of examination committee Prof. Dr. Said Baiomy.
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate [.Yes.]
Adequate to some extent [……]
Inadequate [……]
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Said Baiomy.

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Communication System III - (E562)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 1st Semester

4- Unit hours 2

Lectures 4 hrs Tutorial 2 hrs Practical 1 hrs Total 7 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Nelly Muhammad Hussein.

Course coordinator: Dr. Nelly Muhammad Hussein.

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 383 96.23%

Results:

	No.	%
Passed	368	96.1
Failed	15	3.9

Grading of successful students:

	No.	%
Excellent	83	21.7
Very Good	86	22.5
Good	75	19.6
Pass	124	32.4

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
1- Introduction to digital communication system stages.	4	Dr. Nelly Muhammad Hussein.
2- The concept of information theory.	6	
3- Types of information sources – symbols information – source entropy.	6	
4- Characteristics of source codes.	4	
5- Source coding using tree and Huffman methods.	6	
6- Introduction to channel coding concept of Hamming coding techniques (systematic and non- systematic).	8	
7- Concept of cyclic coding techniques (systematic and non-systematic).	6	
8- Convolutional encoder design and analysis.	6	
9- Convolutional decoding using Viterib's algorithm.	6	

10- Discrete memory-less channel model.	4
11- Probability of error calculation for discrete channel.	4
Total hours	60

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: [None]
Practical training/ laboratory [Computer Lab.]
Seminar/Workshop: [None]
Class activity: [None]
Case Study: [None]
Other assignments/homework: [None]
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	[60 %]
Practical examination	[20 %]
Other assignments/class work	[10 %]
Mid-Term Exam	[10 %]
Total	100 %

Members of examination committee Dr. Nelly Muhammad Hussein.
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate [.Yes.]
Adequate to some extent [……]
Inadequate [……]
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012– 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Nelly Muhammad Hussein.

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2011-2012)

A- Basic Information

1- Title and code: Optoelectronic (elective course) - (E562)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 1st Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 1 hrs Practical 1 hrs Total 5 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Abdel Moneam Elmahdy

Course coordinator: Dr. Abdel Moneam Elmahdy

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 380 95.5%

Results:

	No.	%
Passed	361	95
Failed	19	5

Grading of successful students:

	No.	%
Excellent	28	7.4
Very Good	37	9.7
Good	74	19.5
Pass	222	58.4

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Optic & light wave fundamentals	3	Dr. Abdel Moneam Elmahdy
• Integrated optic wave Guides	10	
• Optic Fiber W.G	9	
• Light sources	4	
• Modulation	4	
• Light detectors	5	
• Noise & Detection	5	
• System design	5	
TOTAL	45	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: Optoelectronics Lab.
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Dr. Abdel Moneam Elmahdy
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders….etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Abdel Moneam Elmahdy
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2011-2012)

A- Basic Information

1- Title and code: Laws and Regulations - (B512)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt. - Computer Eng. & Information Tech. Dpt. - Manufacturing Eng. & production Tech. Dpt.

3- Year/Level of program: Fifth year / 2nd Semester

4- Unit hours 2

Lectures 3 hrs Tutorial - hrs Practical - hrs Total 3 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Shaaban Ragab Goda

Course coordinator: Prof. Dr. Shaaban Ragab Goda

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 384 96.5%

Results:

	No.	%
Passed	380	99
Failed	4	1

Grading of successful students:

	No.	%
Excellent	57	14.8
Very Good	134	34.9
Good	116	30.2
Pass	73	19.0

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• تعاريف ومفاهيم قانونية فى مجال عقود البناء	3	Prof. Dr. Shaaban Ragab Goda
• مراحل مشروع البناء	3	
• المناقصات والعطاءات	6	
• عقود البناء	3	
• التزامات المالك والمقاول	3	
• مستندات عقد البناء وشروطه	3	
• عقود الاتحاد الدولى للمهندسين الاستشارين	3	
• شروط عقد مقاولات الاعمال الميكانيكيه والكهربيه واعمال التركيبات.	3	
• توجيه وتنظيم اعمال البناء القانون ١٠٦ لسنه ١٩٨٦	6	
• التحكيم وتسويه المنازعات بالطرق السلميه	6	
• مسئوليه المهندس وتقاليد ممارسه المهنة	3	
• اداب ممارسة المهنة	3	
Total hours	45	

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	10 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Shaaban Ragab Goda
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Shaaban Ragab Goda
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Waves & Antennas II - (E519)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 2nd Semester

4- Unit hours 2

Lectures 3 hrs Tutorial 1 hrs Practical 2 hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Muhammad El-Wakeel

Course coordinator: Dr. Muhammad El-Wakeel

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 382 96%

Results:

	No.	%
Passed	356	93.2
Failed	26	6.8

Grading of successful students:

	No.	%
Excellent	36	9.4
Very Good	63	16.5
Good	82	21.5
Pass	175	45.8

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
Introduction to antennas	3	Dr. Muhammad El-Wakeel
Basic antenna parameters	3	
Measurement Techniques of antenna parameters	3	
Mathematical tools for antenna analysis and design	3	
Wire antennas:	-	
Dipole (infinitesimal, small, finite length, long)	3	
Loop antenna (circular and square)	3	
Special types of wire antennas (Helix and Yagi)	3	
Aperture antennas:	-	
Rectangular and circular aperture	3	
Microstrip antennas	3	
Horn antennas	3	
Reflector antennas	3	
Array antennas:	-	
N-element linear array of uniform amplitude and spacing	3	
N-element linear array of non-uniform amplitude and uniform spacing Binomial array	6	

Dolph-Tschebyscheff array		
Planer array	3	3
Total hours	42	30

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: Antenna Lab.
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Dr. Muhammad El-Wakeel
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.
Adequate to some extent .....
Inadequate .....
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Muhammad El-Wakeel
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Advanced Communication Systems - (E524)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 2nd Semester

4- Unit hours 2

Lectures 4 hrs Tutorial 1 hrs Practical 2 hrs Total 7 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Said Baiomy.

Course coordinator: Prof. Dr. Said Baiomy.

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 381 95.7%

Results:

	No.	%
Passed	366	96
Failed	15	4

Grading of successful students:

	No.	%
Excellent	32	8.4
Very Good	47	12.3
Good	91	23.9
Pass	196	51.4

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to telephone sets.	2	Prof. Dr. Said Baiomy.
• Digital telephone and switching.	4	
• Hierarchical systems and framing.	4	
• Satellite orbits and orbital parameters	2	
• Basic transmission concepts.	2	
• Link parameter and effect of noise.	4	
• Satellite transponder and antenna.	4	
• Multiple access techniques.	8	
• Spectral efficiency and measurements.	4	
• Evaluation of mobile comm..	2	
• GSM – structure and features.	6	
• Cellular concepts and advanced.	2	
• Spread spectrum techniques.	8	
• Procedures of mobile comm..	8	
• TOTAL	60	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: Advanced Comm. Lab.
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Prof. Dr. Said Baiomy.
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.
Adequate to some extent .....
Inadequate .....
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Said Baiomy.
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Radar Systems and Remote Sensing - (E582)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 2nd Semester

4- Unit hours 2

Lectures 4 hrs Tutorial 2 hrs Practical - hrs Total 6 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Nelly Muhammad Hussein

Course coordinator: Dr. Nelly Muhammad Hussein

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 382 96%

Results:

	No.	%
Passed	344	90.5
Failed	38	9.5

Grading of successful students:

	No.	%
Excellent	52	13.6
Very Good	48	12.6
Good	58	12.5
Pass	186	48.7

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to Radar 1. Basic Radar & Simple form of Radar equation. 2. Radar block diagram. 3. Application of Radar.	6	Dr. Nelly Muhammad Hussein
• The Radar Equation 1. Receiver Noise & S/N. 2. Noise Figure & Effective Noise Temp. 3. Probability of detection and False Alarm. 4. Integration of Radar Pulse. 5. Radar cross section Fluctuation (Swerling Model). 6. De-correlation of target echo. 7. Analysis of parameters of radar equation. 8. Radar system losses. 9. Surveillance-Radar range Equation	24	

• Tracking Radar 1. Types of tracking Radar Systems 2. Amplitude Comparison mono-pulse. 3. Two-channel amplitude compression mono-pulse. 4. Phase-comparison mono-pulse. 5. Conical scan and sequential lobbing. 6. Tracking by division of target echo envelop.	16	Dr. Nelly Muhammad Hussein
• Secondary Surveillance Radar: 1. Basic principles. 2. Problems with Secondary Surveillance Radar. 3. Multipath.	6	
• Radar Subsystems 1. Synchronizers 2. Radar transmitters 3. Radar Receivers.	4	
• Remote Sensing Radar	4	
Total	60	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	100 %

Members of examination committee Dr. Nelly Muhammad Hussein
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: Response of course team

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Dr. Nelly Muhammad Hussein

Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: Power Electronics - (E552(d))

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 2nd Semester

4- Unit hours 2

Lectures [4 hrs] Tutorial [- hrs] Practical [- hrs] Total [4 hrs]

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Said A. Gawish

Course coordinator: Prof. Dr. Said A. Gawish

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. [398] 100%

No. of students completing the course: No. [386] 97%

Results:

	No.	%
Passed	373	96.6
Failed	13	3.4

Grading of successful students:

	No.	%
Excellent	98	25.4
Very Good	92	23.8
Good	79	20.5
Pass	104	26.9

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Main task of power electronics	4	Prof. Dr. Said A. Gawish
• Semiconductor switches	4	
• Thyristors	4	
• Power transistors	4	
• Firing circuits	4	
• Uncontrolled rectifiers	8	
• Controlled rectifiers	8	
• Parallel inverters	6	
• Series inverters	6	
• DC – Choppers	8	
• UPS	4	
Total hours	60	

Percentage of the content specified:

>90 % [√] 70-90 % [-] <70% [100%]

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Written examination	70 %
Practical examination	- %
Other assignments/class work	15 %
Mid-Term Exam	15 %
Total	100 %

Members of examination committee Prof. Dr. Said A. Gawish
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.
Adequate to some extent .....
Inadequate .....
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

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- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Said A. Gawish
Signature:

Date: August 2013

Annual Course Report

(Academic Year 2012-2013)

A- Basic Information

1- Title and code: 5th Year Project - (E599)

2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.

3- Year/Level of program: Fifth year / 2nd Semester

4- Unit hours 2

Lectures 1 hrs Tutorial 1 hrs Practical 3 hrs Total 5 hrs

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

Projects distributed among the teaching Staff

Course coordinator: Projects distributed among the teaching Staff

External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information

No. of students attending the course: No. 398 100%

No. of students completing the course: No. 388 97.5%

Results:

	No.	%
Passed	388	100
Failed	0	0

Grading of successful students:

	No.	%
Excellent	313	80.7
Very Good	57	14.7
Good	14	3.6
Pass	4	1.0

C- Professional Information

1 – Course teaching:

Topic	Lecture Hours	Tutorial hours	Practice hours	Lecturer
Project Background	6			Projects distributed among the teaching Staff
Project Activities	10			
Practical implementation		10	20	
Production of the final model		10	20	
Testing and correcting output		10	20	
Preparation of the presentation	10			
Total hours	26	30	60	

Percentage of the content specified:

>90 % √ 70-90 % - <70% 100%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

2- Teaching and learning methods:

Lectures: None
Practical training/ laboratory: Project Labs.
Seminar/Workshop: None
Class activity: None
Case Study: None
Other assignments/homework: None
If teaching and learning methods were used other than those specified, list and give reasons:
None

3- Student assessment: Through Quizzes, oral participation in class, midterm exams and attendance reports

Attendance	25 %
Instructor Evaluation	25 %
Practical exam/report	25 %
Discussion	25 %
Total	100 %

Members of examination committee Projects distributed among the teaching Staff
Role of external evaluator None

4- Facilities and teaching materials: Dictionaries, Tape recorders....etc

Totally adequate .Yes.
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints

List any difficulties encountered
- None

6- Student evaluation of the course: Response of course team

List any criticisms
None None

7- Comments from external evaluator(s):

External evaluator:

An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.

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- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None
Action State whether or not completed and give reasons for any none-completion None

9- Action plan for academic year 2012 – 2013

Actions required	Completion date	Person responsible
None		

Course coordinator: Projects distributed among the teaching Staff
Signature:

Date: August 2013