Electronic Engineering and

Communication Technology B.Sc.

Program Report

(2013 – 2014)- By law 2000

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 2013-2014 = 326 (students accepted in the Academy the academic year 2009-2010 were 1407 students with a ratio 23.17%

2-Ratio of students attending the program in 2013-2014 to those of accepted in the Academy the academic year (2010-2011) = 326 / 508 = 64.17%

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

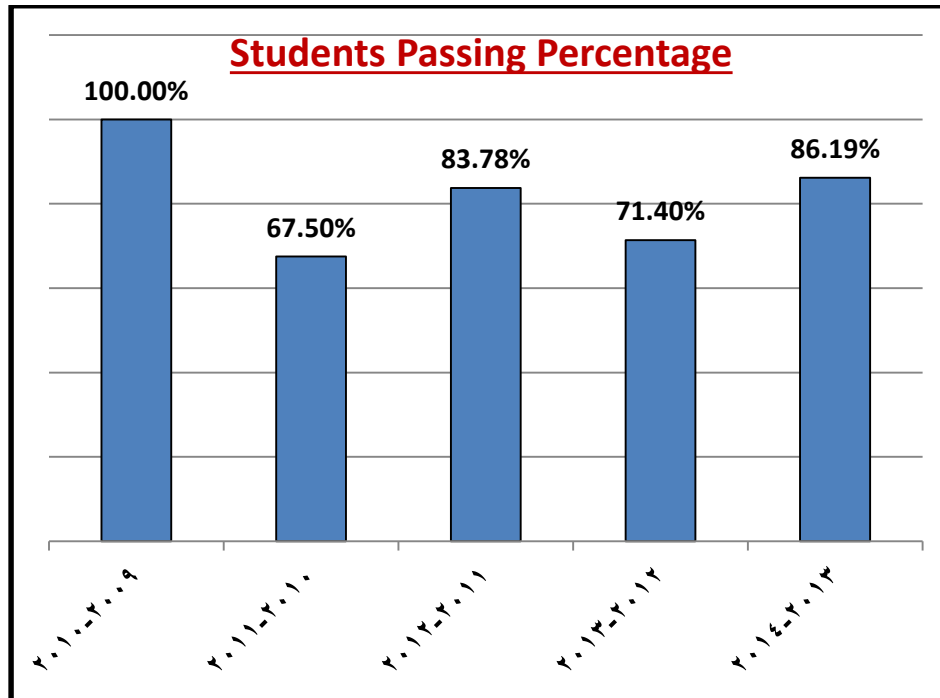| Year		Number of students	No of passing Students	Percentage of passing students
Second	2010-2011	508	343	67.5%
Third	2011-2012	370	310	83.78%
Fourth	2012-2013	346	247	71.4%
Fifth	2013-2014	326	281	86.19%

Figure (1): Ratio of students (graduated in 2014) passing in each year/level/semester

4-No. of students completing the program and as a percentage of those who started:
326 / 508 = 64.17%
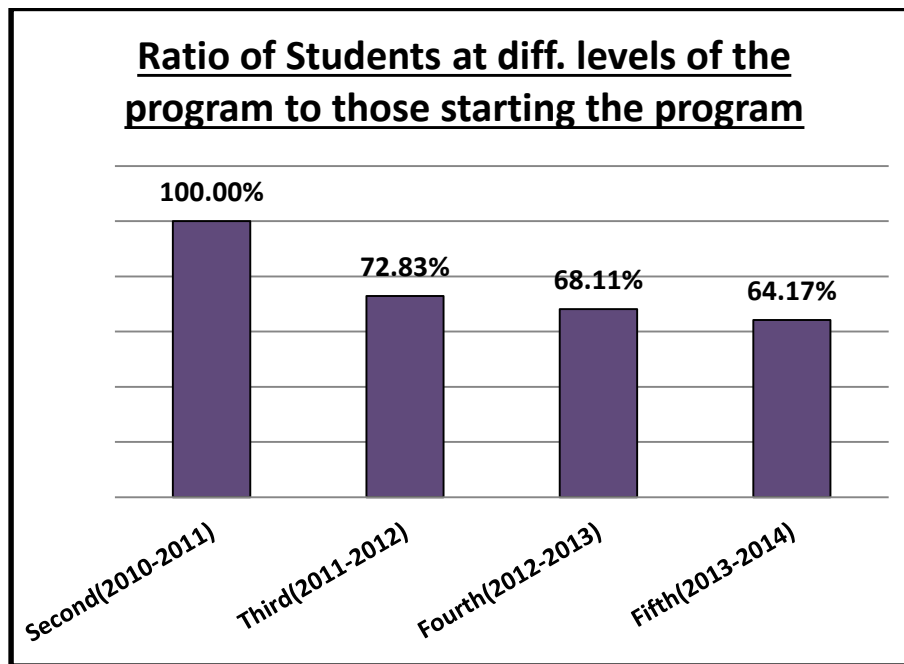
Figure (2): No. of students completing the program and as a percentage of those who started

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 2010-2011	508	29	51	77	60	126	165
%	100%	5.7%	10%	15.16%	11.8%	24.8%	32.48%
3rd year 2011-2012	370	21	51	86	54	98	60
%	100%	5.7%	13.8%	23.24%	14.6%	26.5%	16.2%
4th year 2012-2013	346	32	36	84	44	51	99
%	100%	9.25%	10.4%	24.3%	12.7%	14.7%	28.6%
5th year 2013-2014	326	16	54	98	70	43	45
%	100%	4.9%	16.56%	30%	21.47%	13.19%	13.8%
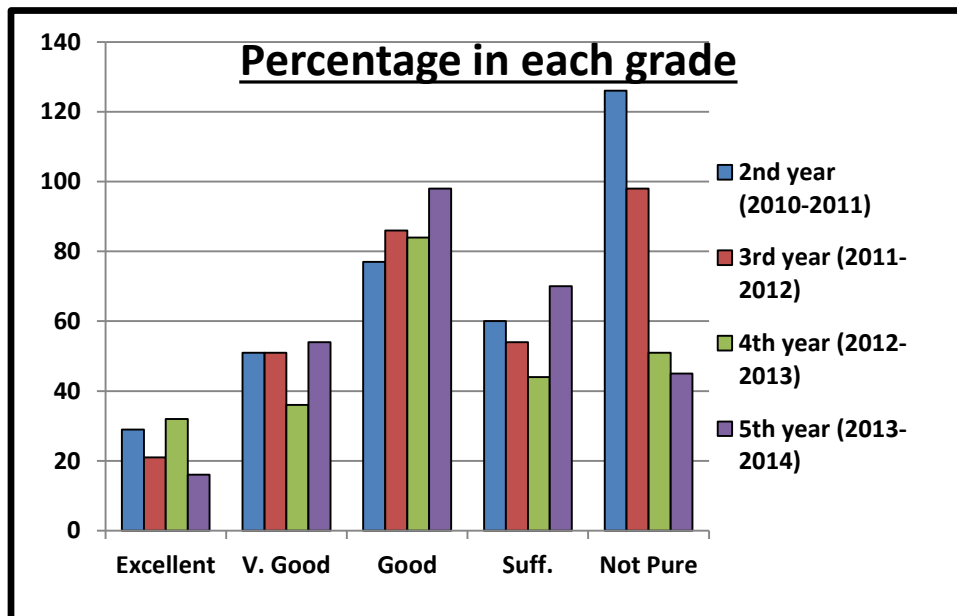
Figure (3): No. and percentage of students passing in each grade

Academic year	Number	Percentage
students joining the program on Sept 2013	326	100%
students completing the program at May 2014	238	73.00%
students completing the program at Nov 2014	45	13.8%
Total Number of students completing the program at 2014	280	85.9%

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 2013-2014 (326 students)	16	4.9%	54	16.56%	98	30%	70	21.47%	43	13.19%	45	13.8%

Fifth Year Grades (2013 - 2014)

- Excellent: 4.90%
- V. Good: 16.56%
- Good: 30.00%
- Suff.: 21.47%
- Not Pure: 13.19%
- Failed: 13.80%
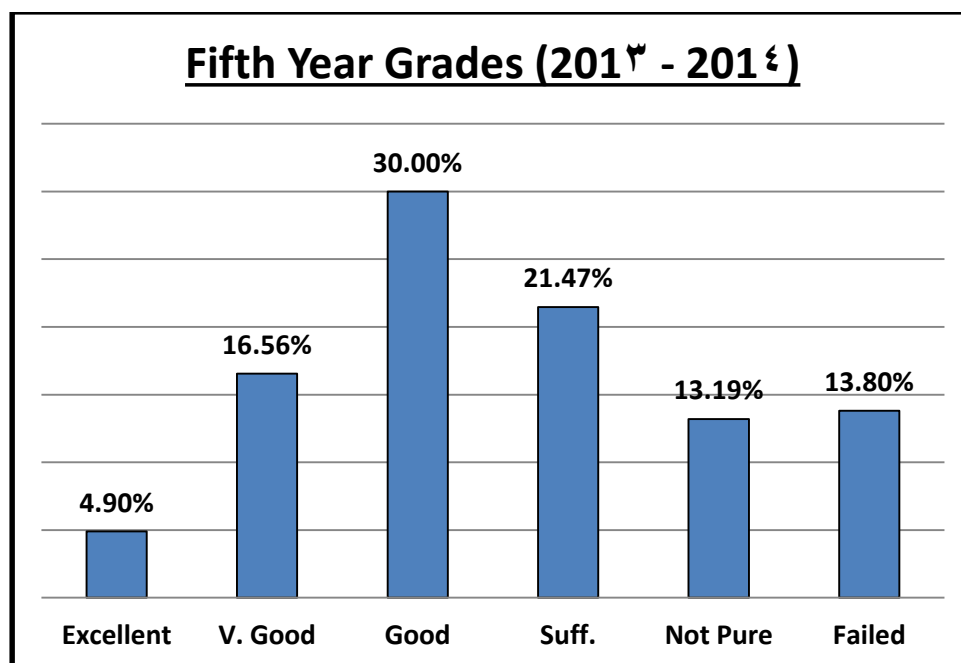
Figure (4): No. and percentage of students passing in each grade 5th year

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

This program report include 3rd, 4th, and 5th years courses only since we are concerning in two semesters case.

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

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
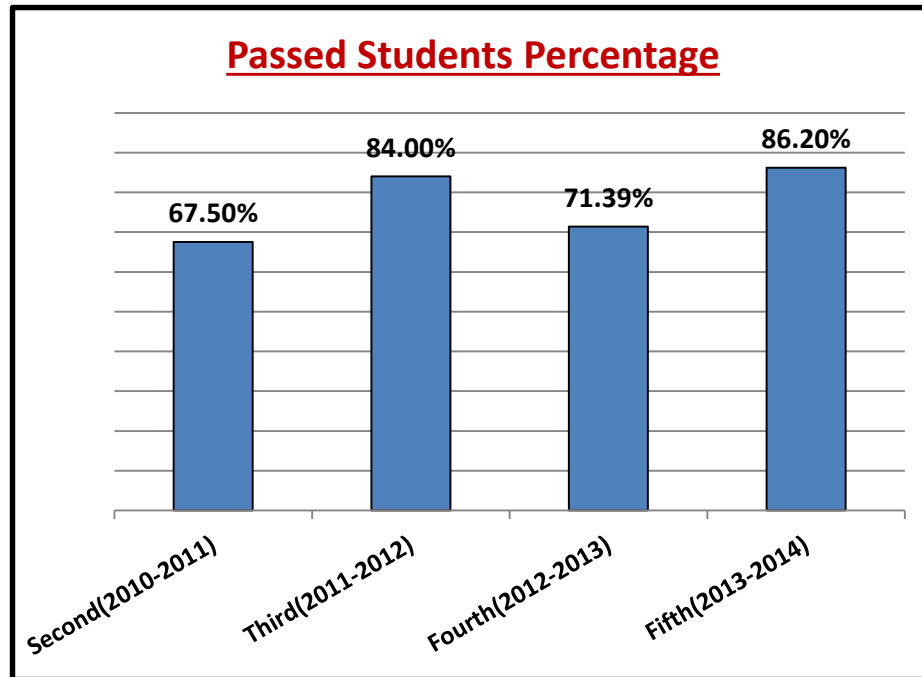
Graduated Students achievement through the program

Figure (5): Graduated Students achievement through the program

After reviewing the results of students finishing the program in 2013-2014 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

- 1The 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

- Enhance both theoretical and practical parts in all specialization courses in order to match modifications applied to the ILOS'
- Apply more training for students that enable them to solve engineering problems using different programming languages.

5. Action plan

Action required	Person Responsible	Completion Date
Specialized training courses for all staff	Training Sector	September 2015
Complete the shortage in education facilities	Academic Administration	Academic year 2014-2015

Program Coordinator: Prof. Dr. Mokhtar Abdel Halim.

Signature:

Appendix 1

Annual Course Report

(2013-2014) – By law 2000

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 2013-2014)

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 2hrs   Tutorial 2hrs   Practical - hrs Total 4hrs

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

6- Course coordinator: Prof. Aly Essawi

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

B- Statistical Information:

No. of students attending the course: No. 320   100%
No. of students completing the course: No. 306 95.63%

Results:

	No.	%
Passed	277	90.53
Failed	29	9.47

Grading of successful students:

	No.	%
Excellent	55	17.97
Very Good	61	19.93
Good	50	16.34
Pass	111	63.27

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Functions of complex variables (Review of complex numbers)	2	
• Functions of complex variables, complex differentiation	2	
• Complex integration, Cauchy integral formula	2	
• Taylor and Laurent series	2	Prof. Aly Essawi
• 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	
• Canonical and standard forms of P.D.E	2	
• Solutions of some boundary value problems	2	Prof. Aly Essawi
• 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

5- Administrative constraints
   List any difficulties encountered
   ➢   None

6- Student evaluation of the course:
   List any criticisms

بالنسبة لدكتور سامح الشناوى - اهدافة واضحة ويجيد التعامل مع الوقت والمحاضرة بأُسلوب جميل وجذاب وشرح للمادة بمرونة ... بالنسبة لدكتورة غادة - غير متظمة فى الشرح ولا التنظيم اثناء المحاضرة والكتابة بأُسلوب سىء وغير منظم.

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015: None

Course coordinator: Prof. Aly Essawi

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Tutorial 2hrs   Practical - hrs Total 4hrs

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

6- Course coordinator: Prof. Dr. H. TawfiK Kamel

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

B- Statistical Information:

No. of students attending the course: No. 320   100%
No. of students completing the course: No. 307 95.94%

Results:

	No.	%
Passed	288	93.81
Failed	19	6.19

Grading of successful students:

	No.	%
Excellent	61	21.5
Very Good	72	23.45
Good	61	19.87
Pass	89	28.99

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

5- Administrative constraints
List any difficulties encountered
➢ None

6- Student evaluation of the course:
List any criticisms

- المنهج كبير على وقت الدراسة
- م /محمد اسماعيل : مش بيكون موجود خلال الساعات المكتبية او فى البريك -- د /هانى : بيشرح بسرعة جدا جدا.

- الوقت المتاح لتدريب الكورس لا يضاهى كمية المنهج المقرر تدريسها
- المعيد فوزى : لايحترم من يناقشة ويكون رد فعلة الصمت حتى حين ننبة ان هناك سؤال نريد معرفتة فلا يرد علينا مما يستفز مشاعرنا.
- الدكتور هانى توفيق عنده معلومات كثيرة بس المشكلة غير قادر على توصيل المعلومة بصورة
- د /هانى توفيق صوتة منخفض جداً وسريع - م /محمد اسماعيل : دائماً متأخرو غير متواجد فى السعات المكتبية وشرحه غير مرتب وسريع.

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
- More connection and control on instructors - We apply more practical experimental		

Course coordinator: Prof. Dr. H. TawfiK Kamel

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 4hrs   Tutorial 2hrs   Practical - hrs Total 6hrs

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

6- Course coordinator: Dr. Mohammad El- Wekeel

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

B- Statistical Information:

No. of students attending the course: No. 320   100%

No. of students completing the course: No. 307   95.94%

Results:

	No.	%
Passed	269	87.58
Failed	38	12.42

Grading of successful students:

	No.	%
Excellent	20	6.54
Very Good	27	8.82
Good	70	22.88
Pass	151	49.35

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Coordinates Systems and Vector Analysis:	-	
• Cartesian Coordinates	2	
• Cylindrical Coordinates	2	
• Spherical Coordinates	2	
• Vector Analysis	2	
• Electrostatic Field in Vacuum:	-	Dr. Mohammad El- Wekeel
• 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
• 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**

(Right margin, vertical text: Dr. Mohammad El- Wekeel)

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

5- Administrative constraints
  List any difficulties encountered
  ➢ None

6- Student evaluation of the course:
    List any criticisms

- يجب ان يكون الشرح من الدكتور منظم اكثر من ذلك وان يوضح من البداية النقاط التي سوف نستدرجها فى المحاضرة ويجب ان يجذب الطالب على الحضور للمحاضرة ان يكون فى وقت للمناقشة فى المحاضرة وان لايقف دور الدكتور فى شرح النهج فقط لكن لابد من تشجبعنا فى البحث دائماً والتطور فى الدول المتقدمة
- الجامعة هنا تهتم فقط بالحفظ ــ تحتاج الى فهم field آلاثر .
- الكتور على قدر كبير من الخبرة والثقافة وفى مادتة ولكن لا يستطيع النزول لمستوى الطالب وايصال المعلومة.
- عدم وضوح تقسيم الدرجات لان لم نعرف مصير عشر درجات علماً ان الامتحان كان من سبعين درجة وتقيم الدرجات

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015: None

Course coordinator: Dr. Mohammad El- Wekeel

Signature:
Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 / 1stSemester

4- Unit hours 2

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

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

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

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

B- Statistical Information:

No. of students attending the course: No. 320   **100%**

No. of students completing the course: No. 308   **96.25%**

Results:

	No.	%	Grading of successful students:	No.	%
Passed	296	96.1			
Failed	12	3.9	**Excellent**	32	10.39
			Very Good	67	21.75
			Good	98	31.82
			Pass	99	32.14

percentage of the content specified: >90 %   √

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

5- Administrative constraints
   List any difficulties encountered
   ➢ None

6- Student evaluation of the course:
   List any criticisms

د /محى الدين راتب : غير قادر على توصيل المعلومات بصورة آافية للطلبة.

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2014 : None

Course coordinator: Prof. Dr. Mohi- Eldin Rateb

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Tutorial 2hrs   Practical 2 hrs Total 6hrs

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

6- Course coordinator: Prof. Dr. Magdy O. Tantawy

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

B- Statistical Information:

No. of students attending the course: No. 320   100%

No. of students completing the course: No. 308 96.25%

Results:

	No.	%
Passed	276	89.61
Failed	32	10.39

Grading of successful students:

	No.	%
Excellent	12	3.9
Very Good	47	15.26
Good	63	20.45
Pass	154	50

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:
    70-90 %   √
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
5- Administrative constraints
    List any difficulties encountered
       ➢ None

6- Student evaluation of the course:
    List any criticisms
7- Comments from external evaluator(s):
External evaluator: None.
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 2014 – 2015
    Actions required   **Completion date**   **Person responsible**
       None

Course coordinator: Prof. Dr. Magdy O. Tantawy
Signature:
Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Tutorial -hrs   Practical - hrs Total 2hrs

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

6- Course coordinator: Dr. Nevin Samir

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

B- Statistical Information:

No. of students attending the course: No. 320   100%

No. of students completing the course: No. 309   96.56%

Results:

	No.	%
Passed	302	97.74
Failed	7	2.26

Grading of successful students:

	No.	%
Excellent	80	25.89
Very Good	87	28.16
Good	83	26.86
Pass	52	16.83

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

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: None.

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 2014 – 2015
Actions required **Completion date** **Person responsible**
None

Course coordinator: Dr. Nevin Samir

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 1hrs   Tutorial -hrs   Practical 2 hrs Total 3hrs

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

6- Course coordinator: Dr. Ashraf M. Aly

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

B- Statistical Information:

No. of students attending the course: No. 320   100%

No. of students completing the course: No. 310   96.88%

Results:

	No.	%
Passed	307	99.03
Failed	3	0.97

Grading of successful students:

	No.	%
Excellent	94	30.37
Very Good	85	27.42
Good	53	17.10
Pass	75	24.19

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to MATLAB.	1	
• Matrix Operations, Array Operations Vectors and Matrix Operations.	2	
• Graphing.	2	
• Data Analysis.	1	
• Control Flow.	1	Dr. Ashraf M. Aly
• 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

5- Administrative constraints
　List any difficulties encountered
　　➢ None

6- Student evaluation of the course:
　List any criticisms
- بالسبة للدكتور نادراً ما يستخدم السبورة فى شرح وكل اعتماده شبة الكامل على القراءة من الكتاب لذلك ارجو الشرح الاكثر على السبورة
- عدم اعلان اعمال السنة - عدم تواجد الدكتور فى اماكن ثابتة لسهولة مناقشتة

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
❖ بالنسبه لاستخدام الكتاب فى الشرح بشكل كبير حتى يعتاد الطالب على فتح الكتب والمراجع والمذكرات ولا يكون فقط الاعتماد على الكشكول مما يسبب له قصور ذهنى بعد التخرج ولا يستطيع فتح المراجع والكتالوجات.		
❖ بالنسبه لاستخدام السبوره فى الشرح نادرا ، سيتم زيادة جرعة الشرح على السبوره أيضا بجانب القراءه فى الكتاب ويكون الاثنان متوازيان بشكل معقول.		
❖ بالنسبه لاعلان النتيجه للطالب ، نحن نقوم بإعلان نتيجة التقييم وننظر لآخر العام ويتم إعلام الطلبه بأعمال السنه حتى يكون عند الطالب دافع للتحصيل لأن كثير من الطلبه إذا وجد أعمال السنه محققه النجاح فقط يتواكل ولا يذاكر ولا يجتهد.		
❖ محتوى الماده يكون طويل ولكن نختار فيه مايناسب كل دفعه وتحصيلها والمجتهد منهم يعمل تقارير يتم		

تقييمه عليها لأننى أعطى للطالب مرجع وليس مذكره فقط.

❖ سيتم التأكيد ومتابعة تنفيذ المعيدين لمتابعة العملى فى المعمل مع الطلبه يدا بيد حتى يتقن الطالب الماده بشكل عملى.

❖ سيتم معاملة الطلبه باحترام مع نوع من الزجر حتى لا يتهاونوا .

❖ حكمه   " قسى ليزدجروا ومن يك جازما فليقسو أحيانا على من يرحم هناك قسوه مع الرحمه فى صالح الطالب وهذا هو المطلوب.

Course coordinator: Dr. Ashraf M. Aly

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Tutorial -hrs   Practical 2 hrs Total 4hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Nariman Abd Elsalam

6- Course coordinator: Dr. Nariman Abd Elsalam

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

B- Statistical Information:

No. of students attending the course: **No.** 320   **100%**

No. of students completing the course: **No.** 303 **94.69%**

Results:

	No.	%
Passed	285	94.06
Failed	18	5.94

Grading of successful students:

	No.	%
Excellent	92	30.36
Very Good	72	23.76
Good	55	18.15
Pass	66	21.78

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Practical hours
Bipolar junction transistor amplifier	10	Dr. Nariman Abd Elsalam
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 Dr. Nariman Abd Elsalam

5- Administrative constraints
   List any difficulties encountered
   ➢ None

6- Student evaluation of the course:
   List any criticisms

- د /ايمان تقوم بمراجعات وتحضير المحاضرة بورق مما يساعد على فهم المحاضرة جيد اً
- البشمهندس علاء ربيع كويس جداً جداً والدكتورة اكثر من رائعة
- المادة ممتازة ومفيدة ومنسقة ومتسلسلة - الدكتورة ناريمان اكثر من رائعة شخصية وشرح
- المعامل سيئة للغاية من حيث التجهيزات والمعيدين وشرحهم وطريقة المعاملة.

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 2014 – 2015

Actions required	Completion date	Person responsible
More interest of lab's equipments and instructors.	November 2014	

Course coordinator: Dr. Nariman Abd Elsalam

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Tutorial 2hrs   Practical - hrs Total 4hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Assem Badr

6- Course coordinator: Dr. Assem Badr

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

B- Statistical Information:

No. of students attending the course: No. 320   100%

No. of students completing the course: No. 303 94.69%

Results:

	No.	%
Passed	281	92.74
Failed	22	7.26

Grading of successful students:

	No.	%
Excellent	31	10.23
Very Good	60	19.80
Good	67	22.11
Pass	123	40.59

C- Professional Information

1 – Course teaching:

Topic	lectures/ hours	Lecturer
Basic Structure of computers	2	Dr. Assem Badr
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. Assem Badr

5- Administrative constraints
  List any difficulties encountered
  ➤ None

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

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible

- مادة تطبيقات حاسب عادة هى شامله لما تم تدريسه من أساسيات الكهرباء والالكترونيات لذلك خلال الشرح يتم استعادة هذه المعلومات وتنبيه الطلبه بإعادة الالمام بم تم أخذه بشكل مبسط وعام . لذلك المراجع هى كل ما تم دراسته . ثم يتم تطبيق هذا على برنامج فى صورة كتالوج يخص SPICE-ORCAD لذلك المذكره فى حد ذاتها مرجع ملخص + يطلب من الطلبه عمل DVD على ال ORCAD وهذا هو المرجع الشامل ويتم اعطاء تقييم على من يفعل ذلك.

- سيتم فى أول العام الدراسى اعطاء بعض النصائح العلميه والكربون للطلبه حتى يكون هناك تأثير إيجابى عام للطالب بالأستاذ المحاضر ولكن الطلبه التى لا تحضر بشكل منتظم لن تفهم ما نقول.

- وكذلك بالنسبه لجذب الانتباه سيتم المرور دوريا خلال المجاضره لمتابعة انتباه الطالب.

- عادة يتم اعطاء الطلبه Tasks عملى زياده ويتم تقييمهم عليه مما يساعد على زيادة مهارة Hardware (أصلى).

Course coordinator: Dr. Assem Badr

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Tutorial 2hrs   Practical 1 hrs Total 5hrs

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

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

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

B- Statistical Information:

No. of students attending the course: No. 320   100%

No. of students completing the course: No. 304 95.00%

Results:

	No.	%
Passed	284	93.42
Failed	20	6.58

Grading of successful students:

	No.	%
Excellent	31	10.20
Very Good	59	19.41
Good	78	25.66
Pass	116	38.16

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Practical 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	Prof. Dr. Adel El- Sherif
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:

  70-90 %   √

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

5- Administrative constraints
List any difficulties encountered: Students level in mathematical basics is very low

6- Student evaluation of the course:
List any criticisms

مستوى الشرح الدكتور اعلى من مستوى فهمنا وبالتالى لا نستفيد

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015
More time for Fourier conversion discussion in lecture and correspondingly more exercises in that part

Course coordinator: Prof. Dr. Adel El- Sherif

Signature:

Date: August 2014

Annual Course Report

(Academic Year 2013-2014)

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 2hrs   Tutorial 2hrs   Practical 1 hrs Total 5hrs

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

6- Course coordinator: Prof. Dr. Said A. Gawish

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

B- Statistical Information:

No. of students attending the course: No. 320   100%
No. of students completing the course: No. 305 95.31%
Results:

	No.	%
Passed	294	96.39
Failed	11	3.61

Grading of successful students:

	No.	%
Excellent	104	34.10
Very Good	81	26.56
Good	46	15.08
Pass	63	20.66

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Circuit analysis of transformers	4	Prof. Dr. Said A. Gawish
• Transformer construction	2	
○ 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

5- Administrative constraints
  List any difficulties encountered
    ➢ None

6- Student evaluation of the course:
      List any criticisms

  • د سعيد جاويش هو افض دكتور وامهر واكثر تعاونا معنا لتلك المادة

  • دكتور رائع ومنهج اروع وم. عصام رائع جدا

7- Comments from external evaluator(s):
External evaluator: None

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 2014 – 2015
    Actions required   **Completion date**   **Person responsible**
      None
Course coordinator: Prof. Dr. Said A. Gawish
Signature:
Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

A- Basic Information:

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

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 2hrs   Tutorial 2hrs   Practical 1 hrs Total 5hrs

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

Course coordinator: Prof. Dr. Magdy O. Tantawy

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

B- Statistical Information:

No. of students attending the course: No. 320   100%

No. of students completing the course: No. 305 95.31%

Results:

	No.	%
Passed	286	93.77
Failed	19	6.23

Grading of successful students:

	No.	%
Excellent	39	12.79
Very Good	50	16.39
Good	68	22.30
Pass	129	42.30

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

5- Administrative constraints
　　List any difficulties encountered   None

6- Student evaluation of the course:
　　　List any criticisms
المنهج يحتاج الى بعض التبسيط في الشرح والامتحانات كثيرا ما تكون صعبة وفوق مستوى الطالب المتوسط
لكن المعيد محمد عبد الكريم اكثر من ممتاز وليس عليه غبار شرحه ممتاز وقادر على التواصل مع الطلبة

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015
　　Actions required　　　　　　　**Completion date**　　　　　　**Person responsible**
　　　None
Course coordinator: Prof. Dr. Magdy O. Tantawy
Signature:
Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Tutorial -hrs   Practical - hrs Total 2hrs

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

6- Course coordinator: Dr. Mamdouh Saber

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

B- Statistical Information:

No. of students attending the course: No. 320   100%

No. of students completing the course: No. 305 95.31%

Results:

	No.	%
Passed	280	91.81
Failed	25	8.19

Grading of successful students:

	No.	%
Excellent	26	8.47
Very Good	100	32.57
Good	95	30.94
Pass	78	25.41

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
Industrial Design – Design concepts	2	
Ergonomics	2	
Application of ergonomics – Instruments – Controls – Work place	2	
Aesthetic and ergonomics consideration	2	
Working conditions and Environment	2	
Heating and Ventilation	2	Dr. Mamdouh Saber
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

5- Administrative constraints
List any difficulties encountered
➢ None
6- Student evaluation of the course:
List any criticisms

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015
Actions required   **Completion date**   **Person responsible**
None

Course coordinator: Dr. Mamdouh Saber

Signature:

Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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 1hrs   Tutorial -hrs   Practical 3 hrs Total 4hrs

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

6- Course coordinator: Dr. Abdelmoneim Fouda

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

B- Statistical Information:

No. of students attending the course: No. 320   100%
No. of students completing the course: No. 307 95.94%

Results:

	No.	%
Passed	299	97.40
Failed	8	2.60

Grading of successful students:

	No.	%
Excellent	26	8.47
Very Good	100	32.57
Good	95	30.94
Pass	78	25.41`

C- Professional Information:

1 – Course teaching:

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

5- Administrative constraints
List any difficulties encountered
  ➢ None

6- Student evaluation of the course:
List any criticisms

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015
  Actions required   **Completion date**   **Person responsible**
  ▪ مادة تطبيقات حاسب (٢) عادة هى شامله لما تم تدريسه من أساسيات الكهرباء والالكترونيات لذلك خلال الشرح يتم استعادة هذه المعلومات وتنبيه الطلبه بإعادة الالمام بم تم أخذه بشكل مبسط وعام . لذلك المراجع هى كل ما تم دراسته . ثم يتم تطبيق هذا على برنامج فى صورة كتالوج يخص SPICE-ORCAD لذلك المذكره فى حد ذاتها مرجع ملخص + يطلب من الطلبه عمل DVD على ال ORCADوهذا هو المرجع الشامل ويتم اعطاء تقييم على من يفعل ذلك.
  ▪ سيتم فى أول العام الدراسى اعطاء بعض النصائح العلميه والكربون للطلبه حتى يكون هناك تأثير إيجابى عام للطالب بالأستاذ المحاضر ولكن الطلبه التى لا تحضر بشكل منتظم لن تفهم ما نقول.
  ▪ وكذلك بالنسبه لجذب الانتباه سيتم المرور دوريا خلال المجاضره لمتابعة انتباه الطالب.
  ▪ عادة يتم اعطاء الطلبه Tasksعملى زياده ويتم تقييمهم عليه مما يساعد على زيادة مهارة Hardware (أصلى).

Course coordinator: Dr. Abdelmoneim Fouda

Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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 1hrs   Tutorial -hrs   Practical 3 hrs Total 4hrs

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

6- Course coordinator: Prof. Dr. Mostafa Afifi

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

B- Statistical Information:

No. of students attending the course: No. 320   100%
No. of students completing the course: No. 308   96.25%
Results:

	No.	%			Grading of successful students:		
	No.	**%**				**No.**	**%**
Passed	304	98.70			**Excellent**	119	38.64
Failed	4	1.30			**Very Good**	106	34.42
					Good	46	14.94
					Pass	33	10.71

C- Professional Information:

1 – Course teaching:

Topic	Lecture Hours	Practice hours	Lecturer
Project Background	6		
Project Activities	4		
Practical implementation		20	Prof. Dr. Mostafa Afifi
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. Mostafa Afifi

5- Administrative constraints
    List any difficulties encountered: None

6- Student evaluation of the course:
        List any criticisms

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	**Completion date**	**Person responsible**

Existence of enough solicitation for hardware definiteness during execution.

Rescue of delicateness during execution.

1) reduce the number of students per instructors.

2) Introduce extra hardware to rescue defines during execution.

3) Recite the reference links.

Course coordinator: Prof. Dr. Mostafa Afifi

Signature:

Date: August 2014

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 2013-2014)

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 2hrs   Practical - hrs Total 5hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Ossama El Gayar

6- Course coordinator: Prof. Ossama El Gayar

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

B- Statistical Information:

No. of students attending the course: No. 165   100%
No. of students completing the course: No. 144 87.27%

Results:

	No.	%
Passed	137	95.14
Failed	7	4.86

Grading of successful students:

	No.	%
Excellent	7	4.86
Very Good	15	10.42
Good	36	25
Pass	79	54.86

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	
• Probability function and distributions	3	
• Discrete and continuous Distribution	3	
• Statistical Estimation- correlation factor	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   20 %
Mid-Term Exam   10 %
Total   **100 %**

Members of examination committee   Prof. Ossama El Gayar

5- Administrative constraints
List any difficulties encountered
  ➢ None

6- Student evaluation of the course:
  List any criticisms

- شرح الدكتور ضعيف بالنسبة لشرح المعيد-
- درجات الامتحان النهائى لايعبر عن محتوى عملى طول الترم

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Ossama El Gayar

Signature:

Date: October 2014

Annual Course Report

(Academic Year 2013-2014)

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 2hrs   Practical 2 hrs Total 7hrs

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

6- Course coordinator: Dr. Samir Kamal

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

B- Statistical Information:

No. of students attending the course: No. 165   100%

No. of students completing the course: No. 140   84.85%

Results:

	No.	%
Passed	114	81.43
Failed	26	18.57

Grading of successful students:

	No.	%
Excellent	6	4.29
Very Good	9	6.43
Good	22	15.71
Pass	77	55.0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
. Introduction and VLSI terminologies	3	
. 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	Dr. Samir Kamal
. 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 and computer supported learning]

Practical training/ laboratory:

- VLSI Circuit Design & Performance Measurements in Lab using different software computer Packages. Lab Project.

Seminar/Workshop: [None]
Class activity:

- Numerical Exercises.
- Assignments & Homework

Case Study: [None]
Other assignments/homework: [4-Assignments through the term]
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. Samir Kamal - Dr. Hany Tawfik

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms	Response of course team
Final written Exam time is not enough.	This will take in our consideration in the next years.
- Instructor voice is low and don't use the board but concentrate his explanation using data show	Actually the instructor used both data show and the board in his explanation and his voice is low only if the Lecture room microphone is not used.

7- Comments from external evaluator(s):
External evaluator: None

8- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

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

9- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr. Samir Kamal

Signature:

Date: August 2014

Annual Course Report

(Academic Year 2013-2014)

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 3hrs

5- Names of lecturers contributing to the delivery of the course: Dr Shimaa Lotfy

6- Course coordinator: Dr Shimaa Lotfy

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

B- Statistical Information:

No. of students attending the course: No. 165   100%

No. of students completing the course: No. 144   87.27%

Results:

	No.	%
Passed	144	100
Failed	0.0	0.0

Grading of successful students:

	No.	%
Excellent	38	26.39
Very Good	33	22.92
Good	30	20.83
Pass	43	29.86

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Interdiction to Management and organizations	7	
• Today Management current trends and issues.	7	
• Organizational culture and Environment: Constraints.	7	
• Decision making- the Essence of the manager's job	5	Dr Shimaa Lotfy
• 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 oral participation in class, and attendance reports

    Written examination   70 %
    Practical examination   - %
    Other assignments/class work   30 %
    Total   **100 %**

  Members of examination committee   Dr Shimaa Lotfy

5- Administrative constraints
    List any difficulties encountered
      ➢   None

6- Student evaluation of the course:
      List any criticisms

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
We will add a case study about any organization management.		

Course coordinator: Dr. Shimaa Lotfy

Signature:

Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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 3hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Shimaa Nabih

6- Course coordinator: Dr. Shimaa Nabih

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

B- Statistical Information:

No. of students attending the course: **No.** 165   **100%**
No. of students completing the course: **No.** 147 **89.09%**

Results:

	No.	%
Passed	143	97.28
Failed	4	2.72

Grading of successful students:

	No.	%
Excellent	58	39.46
Very Good	16	10.88
Good	23	15.65
Pass	46	31.29

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Population Growth and the Environment	5	Dr. Shimaa Nabih
• 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. Shimaa Nabih

5- Administrative constraints
  List any difficulties encountered
    ➢ None

6- Student evaluation of the course:
      List any criticisms

- نرجو المزيد فى الامثلة اثناء الشرح - المزيد من الاشياء العلمية
- لابد من توافر الوقت المناسب لانهاء المادة العلمية
- بجد دكتورة شيماء كانت افضل الشخصيات الواحدة تعلم منها الترم الاول

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015
    Actions required   **Completion date**   **Person responsible**
      We will change some topics to agree
      with students specializations

Course coordinator: Dr. Shimaa Nabih

Signature:

Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs　　Practical 1 hrs　Total 7hrs

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

6- Course coordinator: Prof. Dr. Adel S. El-Sherif

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

B- Statistical Information:

No. of students attending the course:　　No. 165　　100%

No. of students completing the course:　　No. 143 86.67%

Results:

	No.	%
Passed	130	90.91
Failed	13	9.09

Grading of successful students:

	No.	%
Excellent	20	13.99
Very Good	14	9.79
Good	14	9.79
Pass	82	57.34

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Practical hours	Lecturer
1-Introduction to pulse & digital communication	4	1	
2-Typs of pulse modulation	4	1	
3-Analog pulse modulation	4	1	
4-Digital pulse modulation	4	1	
5- Sampling Theory	4	1	
6-Standard pulse code Mod. &Modified types of digital pulse Modulation	4	1	Prof. Dr. Adel S. El-Sherif
7- Delta &Delta –segma differential pulse code modulation	4	1	
8- Introduction to digital modulation	4	1	
9- Digital Transmission & Digital Radio communication	4	1	
10- FSK Mod. &PSK Mod.	4	1	
11- Multi phase PSK Mod & Carrier Recovery & clock recovery.	4	1	
12- Random noises	4	1	
13- Analog & Digital Comm. System behavior in noise	4	1	
14- Analog & Digital Comm. System	4	1	
15- Analog & Digital Comm. System behavior in noise	4	1	
Total hours	**60**	**15**	

Percentage of the content specified: 70-90 %   √

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

5- Administrative constraints

List any difficulties encountered:

Time available for last chapter discussion is very small w.r.t. to its importance

6- Student evaluation of the course:

List any criticisms

- الدكتور عادل اسلوبة شرحة غير جاذب للانتباه
- عدد اجهزة المعمل غيركافية لعدد الطلبة ولايمارس كل الطلبة الجانب العملى
- المهندسة دينا الليثى من افضل المعيدين ويجب نكريمها من القسم

7- Comments from external evaluator(s):

External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
Make up grading to the digital communication lab	December 2014	

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

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Practical 1 hrs Total 6hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Eng. Assem Badr Eldin

6- Course coordinator: Dr. Eng. Assem Badr Eldin

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

B- Statistical Information:

No. of students attending the course: No. 165   100%
No. of students completing the course: No. 144 87.27%

Results:

	No.	%
Passed	126	87.5
Failed	18	12.5

Grading of successful students:

	No.	%
Excellent	13	9.03
Very Good	16	11.11
Good	11	7.64
Pass	86	59.72

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Numbering and coding systems	4	
• Architecture of 8 bit and16 bit microprocessor	6	
• Intel microprocessors form 8086 to Pentium	6	
• Inside the 8086 / 8088 microprocessor	6	
• Segment registers and addresses	8	Dr. Eng. Assem Badr Eldin
• 80x86 addressing modes	6	
• Programming the 80 x 86 and 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: Control stepper motor based on 8086
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. Eng. Assem Badr Eldin

5- Administrative constraints
List any difficulties encountered
➢ None

6- Student evaluation of the course:
List any criticisms
- نشكر استاذ المادة على تعاونة التام واحترامة للطلبة وبذل مجهود كبير مع الطلبة - شكرخاص للمعيدة نرمين على شرحها الممتاز وتقديم كل ما يحتاجة الطالب

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
We will edit and print new edition of course book to be more readable and convenient for students		

Course coordinator: Dr. Eng. Assem Badr Eldin
Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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 1hrs   Practical 1 hrs Total 4hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Eng. Assem Badr Eldin

6- Course coordinator: Dr. Eng. Assem Badr Eldin

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

B- Statistical Information:

No. of students attending the course: No. 165   100%
No. of students completing the course: No. 139 84.24%

Results:

	No.	%
Passed	116	83.44
Failed	23	16.56

Grading of successful students:

	No.	%
Excellent	9	6.47
Very Good	10	7.19
Good	11	7.91
Pass	86	61.87

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introducing Microcontrollers training kit or simulation software	2	Dr. Eng. Assem Badr Eldin
• The 8051 Microcontrollers Architecture	2	
• Memory Organization	2	
• Addressing modes	2	
• Instruction set	7	
• I/ O ports and their functions	3	
• Timer / Counters	3	
• Interrupts	3	
• Serial communication	2	
• Real world interfacing with LCD, ADC, sensors, stepper motors	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& Data show
    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   Dr. Eng. Assem Badr Eldin

5- Administrative constraints
    List any difficulties encountered: None

6- Student evaluation of the course:
    List any criticisms

- الدكتور ممتاز المعيد ممتاز المادة ومحتواها غير متناسبيين تماماً مع مدة تدريسهم. ،
- المعمل لم يكن كافى لجميع الطلبة فبعضنا واقف والباقى جالس على البنشات

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015
Actions required   **Completion date**   **Person responsible**
    We will edit and print new edition of course book
    to be more readable and convenient for students

Course coordinator: Dr. Eng. Assem Badr Eldin
Signature:
Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Practical 2 hrs   Total 7hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Kamel abd EL-Fattah

6- Course coordinator: Dr. Kamel abd EL-Fattah

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

B- Statistical Information:

No. of students attending the course: No. 165   100%

No. of students completing the course: No. 141 85.45%

Results:

	No.	%
Passed	122	86.52
Failed	19	13.48

Grading of successful students:

	No.	%
Excellent	23	16.31
Very Good	8	5.67
Good	17	12.06
Pass	74	52.48

C- Professional Information:

1 – Course teaching:

Topic	Hours	Lecturer
Linear Power Amplifier		
Class A Amplification	2	Dr. Kamel abd EL-Fattah
Class B Amplification	2	
Class C Amplification	2	
Class D Amplification	2	
Class E Amplification	2	
Class F Amplification	2	
Class S Amplification	2	

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

5- Administrative constraints
  List any difficulties encountered
    ➢ None

6- Student evaluation of the course:
    List any criticisms

- الجزء النظرى الموجود فى المادة كبير جداً مقارنة ب الجزء العملى
- استخدام الدكتور للبروجيكتور فى الشرح غير مناسب
- عدد الاجهزة قليل جداً ولايتناسب مع عدد الطلبة وفى بعض الاحيان لايعمل

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015
    Decrease number of students per section

Course coordinator: Dr. Kamel abd EL-Fattah

Signature:

 Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs Practical 1 hrs Total 6hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Mokhtar Abdel Halim

6- Course coordinator: Prof. Dr. Mokhtar Abdel Halim

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

B- Statistical Information:

No. of students attending the course: No. 165 100%
No. of students completing the course: No. 139 84.24%

Results:

	No.	%
Passed	125	89.92
Failed	14	10.08

Grading of successful students:

	No.	%
Excellent	9	6.47
Very Good	9	6.47
Good	22	15.83
Pass	85	61.15

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
1- Maxwell's equations and Plane waves		
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	Prof. Dr. Mokhtar Abdel Halim
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 T shebyshev 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: Microwave 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

5- Administrative constraints
List any difficulties encountered: None

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

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
New solved problems will be added as appendix-1 at the end of the book.		

Course coordinator: Prof. Dr. Mokhtar Abdel Halim

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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

6- Course coordinator: Prof Dr. Said Biomy

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

B- Statistical Information:

No. of students attending the course: No. 165 100%

No. of students completing the course: No. 165 100%

Results:

	No.	%
Passed	158	95.76
Failed	7	4.24

Grading of successful students:

	No.	%
Excellent	97	58.79
Very Good	5	3.03
Good	17	10.3
Pass	39	23.64

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

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: None.

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 2014 – 2015 New training programs will be added.

Course coordinator: Prof Dr. Said Biomy

Signature:

Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

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 0hrs   Practical 4 hrs Total 4hrs

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

6- Course coordinator: Prof. Dr. HanyTawfik

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

B- Statistical Information:

No. of students attending the course: No. 165   100%

No. of students completing the course: No. 139 84.24%

Results:

	No.	%
Passed	115	82.73
Failed	24	17.27

Grading of successful students:

	No.	%
Excellent	10	7.19
Very Good	16	11.51
Good	20	14.39
Pass	69	49.64

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Analog Measuring Equipment	2	Prof. Dr. HanyTawfik
• 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. HanyTawfik

5- Administrative constraints
   List any difficulties encountered
      ➢ None

6- Student evaluation of the course:
      List any criticisms

   • معيد المادة لايتعامل بشكل جيد مع الطالب
   • اعمال السنة غير موزعة توزيع عادل

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
Add software applications programs (lab view , Multi sim.) & more videos for explaining electronic circuits.		

Course coordinator: Prof. Dr. HanyTawfik

Signature:

Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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 3hrs   Tutorial 2 hrs   Practical -   Total 5 Hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Khaled Morsy

6- Course coordinator: Dr. Khaled Morsy

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

B- Statistical Information:

No. of students attending the course: No. 165   100%

No. of students completing the course: No. 141   85.45%

Results:

	No.	%
Passed	110	78.01
Failed	31	21.99

Grading of successful students:

	No.	%
Excellent	7	4.96
Very Good	14	9.93
Good	22	15.6
Pass	67	47.52

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
Literature review, structure and functions of Computer system Flip-Flops, Decoders, Registers, Multiplexers, computer organization VS. Architecture	2W / 6	
Basic computer structure , addressing modes ,Instruction Codes, System flowchart, memory reference operations	2W / 6	Dr. Khaled Morsy
Register ref., I/O operations, control unit design	2W / 6	
Complete computer design	3W / 9	
Micro-programmed control	4W / 12	
Programming Basic Computer	2W / 6	
Total hours	45	

Percentage of the content specified:

>90 % √   70-90 % -   <70%   100%

Reasons in detail for not teaching any topic   programming Basic computer were not covered because the number of actual teaching weeks was about 12 weeks.

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

2- Teaching and learning methods:

Lectures: Classical lecturing using data-show and the white board
Practical training/ laboratory: None
Seminar/Workshop: Yes
Class activity: Seminars, 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	66.6666 %
Assignments, research /class work	20 %
Mid-Term Exam	13.3333 %
Total	100 %

Members of examination committee   Dr. Khaled Morsy

5- Administrative constraints
List any difficulties encountered
   ➢   None

6- Student evaluation of the course:
List any criticisms

- الشرح غير واضح ويرجى تغير الدكتور فى الترم القادم
- درجات اعمال السنة غير معروفة - نظام تقيم حضور الطالبة غير عادل

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
Give the student the ability to make intensive research and project in the field of computer organization, architecture and design as part of the evaluation.	Dec. 2014	

Course coordinator: Dr. Khaled Morsy
Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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 2hrs   Tutorial 2hrs   Practical - hrs   Total 5hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Khaled Morsy

6- Course coordinator: Dr. Khaled Morsy

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

B- Statistical Information:

No. of students attending the course: No. 165   100%
No. of students completing the course: No. 142 86.06%

Results:

	No.	%
Passed	135	95.07
Failed	7	4.93

Grading of successful students:

	No.	%
Excellent	14	9.86
Very Good	19	13.38
Good	26	18.31
Pass	76	53.52

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
Information Systems Concepts	2	
Types of information systems	2	
Components of information system	2	
Hardware fundamentals	3	
Software fundamentals	3	
Database fundamentals	2	
Communication	2	Dr. Khaled Morsy
Management Information Systems concepts Characteristics and capabilities of Management Information Systems	2	
Decision support systems (DSS) concepts Components of DSS - Phases of decision making	2	
Basic concepts of expert system -Advantages of Expert Systems. The Components and operation of Expert Systems.	2	
System Development life cycle (system analysis & design)	8	
Total	**30**	**--**

Percentage of the content specified: **>90 %** √   **70-90 %**   **-**   **<70%** 100%

Reasons in detail for not teaching any topic   Number of weeks was less than 15, so the expert systems and DSS were not covered completely.

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

2- Teaching and learning methods:
   Lectures: Classical lecturing using the Data show and white board
   Practical training/ laboratory: None
   Seminar/Workshop: None
   Class activity:
   A monthly discussion of what is given in the previous weeks.

   Case Study: Each group of students made a simple IS project for some organization (hospital, university, Insurance company, school, pharmacy…..) including analysis, design ,and implementation
   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 %
IS project (system analysis/design)	-7%
Other assignments/class work	13 %
Mid-Term Exam	13 %
Total	**100 %**

   Members of examination committee   Dr. Khaled Morsy

5- Administrative constraints
   List any difficulties encountered
   ➢ The Subject is not suitable for Communication students.

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

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015
   Actions required   **Completion date**   **Person responsible**
   Demonstrate the stages of SDLC with more   Apr. 2015
   examples from real-life IS's as case studies.
Course coordinator: Dr. Khaled Morsy
Signature:
Date: October 2014

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 2013-2014)

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

6- Course coordinator: Dr. Samir Kamal

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 309   94.79%
Results:

	No.	%
Passed	297	96.12
Failed	12	3.88

Grading of successful students:

	No.	%
Excellent	65	21.04
Very Good	70	22.65
Good	74	23.95
Pass	88	28.48

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Signal, system and signal processing	2	
• 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	Dr. Samir Kamal
• 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: Classical lecturing using the white board and computer supported learning
Practical training/ laboratory: DSP Lab.
Seminar/Workshop: None
Class activity: Numerical exercises; solution of problems by computer and data show.
Case Study: None
Other assignments/homework: 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	10 %
Other assignments/class work	23 %
Mid-Term Exam	7 %
Total	**100 %**

Members of examination committee: Dr. Samir Kamal

5- Administrative constraints
List any difficulties encountered
➢ None

6- Student evaluation of the course:
List any criticisms
- برجاء من الدكتور عدم الشرح بأستخدام ال data show وذلك لعدم قدرة الطلبة على التواصل معة اثناء الشرح.

7- Comments from external evaluator(s):
External evaluator: None

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 2014 – 2015
Actions required	Completion date	Person responsible
None		Dr. Samir Kamal

Course coordinator: Dr. Samir Kamal
Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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

6- Course coordinator: Prof. Dr. Mokhtar Abdel Halim

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 310   95.09%

Results:

	No.	%		Grading of successful students:	No.	%
Passed	289	93.23		**Excellent**	24	7.74
Failed	21	6.77		**Very Good**	36	11.61
				Good	60	19.35
				Pass	169	54.52

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
1- Microwave Resonators	3	
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	Prof. Dr. Mokhtar Abdel Halim
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: Classical lecturing using the white board and computer supported learning
Practical training/ laboratory: Microwave Lab.
Seminar/Workshop: None
Class activity: Numerical exercises; solution of problems by computer and data show.
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	13 %
Mid-Term Exam	7 %
Total	**100 %**

Members of examination committee: Prof. Dr. Mokhtar Abdel Halim

5- Administrative constraints
List any difficulties encountered
➢ None
6- Student evaluation of the course:
List any criticisms

د /مختار بيشرح كويس جداً فى الشرح بس الامتحان كان طويل للغاية

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
To add a new experiment:: "Reflex Klystron characteristics".	29 / 8 /2014	Prof. Dr. Mokhtar Abdel Halim

Course coordinator: Prof. Dr. Mokhtar Abdel Halim

Signature:

Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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. Saeid Baiomy.

6- Course coordinator: Prof. Dr. Saeid Baiomy.

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

B- Statistical Information:

No. of students attending the course: No. 326   **100%**

No. of students completing the course: No. 312   **95.71%**

Results:

	No.	**%**
Passed	280	89.74
Failed	32	10.26

Grading of successful students:

	No.	**%**
Excellent	5	1.6
Very Good	16	5.13
Good	48	15.38
Pass	211	67.63

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to needs for modulation	2	Prof. Dr. Saeid 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 of 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: 70-90 %   √

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: Radio and TV Lab.
Seminar/Workshop: monthly seminar of radio topics
Class activity: Numerical exercises; solution of problems by computer and data show
Case Study: selected case studies
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. Saeid Baiomy.

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course:
    List any criticisms

- بصراحة دكتور سعيد بيومى محترم جداً ومن اكثر الدكاترة اللى بحب اتعامل معاهم لكن فى جزءيات كتيرفى المحاضرة بتبقى مش واضحة كليا.

- د /سعيد بيومى رائع , اتمنى لو جميع الدكاترة مثلة - اسلوبة فى الامتحان يميز بيين الطلبة

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
The lab must be supplied by additional equipment to update the course.	28 / 8 /2014	Prof. Dr. Saeid Baiomy

Course coordinator: Prof. Dr. Saeid Baiomy.

Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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.

6- Course coordinator: Dr. Nelly Muhammad Hussein.

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 311   95.39%

Results:

	No.	%
Passed	300	96.46
Failed	11	3.54

Grading of successful students:

	No.	%
Excellent	106	34.08
Very Good	75	24.12
Good	65	20.9
Pass	54	17.36

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
1- Introduction to digital communication system stages.	4	
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	Dr. Nelly Muhammad Hussein.
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: 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 and computer supported learning
Practical training/ laboratory Computer Lab.
Seminar/Workshop: None
Class activity: Numerical exercises; solution of problems by computer and data show
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. Nelly Muhammad Hussein.

5- Administrative constraints
List any difficulties encountered:
Students have a lot of questions related to digital communication field sometimes out of syllabus

6- Student evaluation of the course:
List any criticisms
- مع خالص الشكر ووافر التقدير والاحترام لاستاذ المادة د /نبلى - وفقك اللة وادام عليكى الصحة والعافية
- اريد ان اعرف ما الفائدة او الاستخدام الفعلى لما ادرسة فى الحياة العملية

7- Comments from external evaluator(s):
External evaluator: None

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 2014 – 2015

Actions required	Completion date	Person responsible
-More communicating with instructors.	August 2014	Dr. Nelly Muhammad Hussein.
- Make more time for problem solving in sections.		

Course coordinator: Dr. Nelly Muhammad Hussein.

Signature:
Date: August 2014

Annual Course Report
(Academic Year 2013-2014)

A- Basic Information:

1- Title and code: Optoelectronic (elective course) - (E572)

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

6- Course coordinator: Dr. Abdel Moneam Elmahdy

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 310   95.09%

Results:

	No.	%
Passed	290	93.55
Failed	20	6.45

Grading of successful students:

	No.	%
Excellent	46	14.84
Very Good	68	21.94
Good	78	25.16
Pass	98	31.61

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: Classical lecturing using the white board and computer supported learning
Practical training/ laboratory: Optoelectronics Lab.
Seminar/Workshop: None
Class activity: Numerical exercises; solution of problems by computer
Case Study: selected case studies
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. Abdel Moneam Elmahdy

5- Administrative constraints
    List any difficulties encountered
        ➢ None

6- Student evaluation of the course:
        List any criticisms

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
None	August 2014	Dr. Abdel Moneam Elmahdy

Course coordinator: Dr. Abdel Moneam Elmahdy
Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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

6- Course coordinator: Prof. Dr. Shaaban Ragab Goda

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 313   96.01%

Results:

	No.	%
Passed	309	98.72
Failed	4	1.28

Grading of successful students:

	No.	%
Excellent	46	14.7
Very Good	120	38.34
Good	88	28.12
Pass	55	17.57

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
● تعاريفومفاهيمقانونيةفنمجالعقودالبناء	3	
● مراحلمشروعالبناء	3	
● المناقصاتوالعطاءات	6	
● عقودالبناء	3	
● التزاماتالمالكوالمقاول	3	
● مستنداتعقدالبناءوشروطه	3	Prof. Dr. Shaaban Ragab Goda
● عقودالاتحادالدوللللمهندسينالاستشارين	3	
● شروطعقدمقاولاتالاعمالالميكانيكيهوالكهربيهواعمالالتركيبات.	3	
● توجيهوتنظيماعمالالبناءالقانون ١٠٦ لسنه ١٩٨٦	6	
● التحكيموتسويهالمنازعاتبالطرقالسلميه	6	
● مسئوليهالمهندسوتقاليدممارسهالمهنة	3	
● ادابممارسةالمهنة	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: monthly 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	10 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	**100 %**

Members of examination committee: Prof. Dr. Shaaban Ragab Goda

5- Administrative constraints
   List any difficulties encountered
      ➢ None

6- Student evaluation of the course:
      List any criticisms

7- Comments from external evaluator(s):
External evaluator: None.

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 2014– 2015

Actions required	Completion date	Person responsible
None	August 2014	Prof. Dr. Shaaban Ragab Goda

Course coordinator: Prof. Dr. Shaaban Ragab Goda

Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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

6- Course coordinator: Dr. Muhammad El-Wakeel

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 310   95.09%

Results:

	No.	%
Passed	273	88.06
Failed	37	11.94

Grading of successful students:

	No.	%
Excellent	20	6.45
Very Good	30	9.68
Good	41	13.23
Pass	182	58.71

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
Introduction to antennas	3	
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	Dr. Muhammad El-Wakeel
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 - Dolph-Tschebyscheff array	6	
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: Classical lecturing using the white board
Practical training/ laboratory: Antenna Lab.
Seminar/Workshop: None
Class activity: Numerical exercises and solution of problems
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. Muhammad El-Wakeel

5- Administrative constraints
   List any difficulties encountered: None

6- Student evaluation of the course:
   List any criticisms

7- Comments from external evaluator(s):
External evaluator: None.

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 2014– 2015

Actions required	Completion date	Person responsible
None	August 2014	Dr. Muhammad El-Wakeel

Course coordinator: Dr. Muhammad El-Wakeel

Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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. Saeid Baiomy.

6- Course coordinator: Prof. Dr. Saeid Baiomy.

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 310   95.09%

Results:

	No.	%
Passed	289	93.22
Failed	21	6.78

Grading of successful students:

	No.	%
Excellent	33	10.65
Very Good	74	23.87
Good	67	21.61
Pass	115	37.10

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction to telephone sets.	2	
• 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	Prof. Dr. Saeid Baiomy.
• 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: Classical lecturing using the white board
Practical training/ laboratory: Advanced Comm. Lab.
Seminar/Workshop: monthly seminar
Class activity: Numerical exercises
Case Study: selected case studies
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, attendance reports and evaluation of report s about selected topics.

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

Members of examination committee: Prof. Dr. Saeid Baiomy.

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course:
List any criticisms

7- Comments from external evaluator(s):
External evaluator: None.

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 2013 – 2014

Actions required	Completion date	Person responsible
The lab must be supplied by control programs for the CDMA kit and modern equipment to update the course.	24 / 8 / 2014	Prof. Dr. Saeid Baiomy

Course coordinator: Prof. Dr. Saeid Baiomy
Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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:

Prof. Dr. Magdy Tantawy + Dr. Nelly Muhammad Hussein

6- Course coordinator: Prof. Dr. Magdy Tantawy +Dr. Nelly Muhammad Hussein

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 310   95.09%

Results:

	No.	%
Passed	290	88.96
Failed	20	6.14

Grading of successful students:

	No.	%
Excellent	77	24.84
Very Good	62	20.00
Good	72	23.23
Pass	79	25.48

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	Prof. Dr. Magdy Tantawy + 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	Prof. Dr. Magdy Tantawy + 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: 80%

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 and computer supported learning
    Practical training/ laboratory: None
    Seminar/Workshop: None
    Class activity: Numerical exercises and solution of problems.
    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. Magdy Tantawy + Dr. Nelly Muhammad Hussein

5- Administrative constraints
    List any difficulties encountered; None

6- Student evaluation of the course:

   List any criticisms

- استاذ المادة د /مجدى طنطاوى استاذ وقور ومبجل وانى احترمة احترام شخصى للغاية - واما بالنسبة
  للمنهج فإنة يتوفر فية عناصر ايجابية كثيرة ولكنة يحتاج الى ايضاح اكثر

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Magdy Tantawy + Dr. Nelly Muhammad Hussein

Signature:

Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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

6- Course coordinator: Prof. Dr. Said A. Gawish

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 314   96.32%

Results:

	No.	%
Passed	301	95.86
Failed	13	4.14

Grading of successful students:

	No.	%
Excellent	125	39.81
Very Good	74	23.57
Good	55	17.52
Pass	47	14.97

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Main task of power electronics	4	
• Semiconductor switches	4	
• Thyristors	4	
• Power transistors	4	
• Firing circuits	4	
• Uncontrolled rectifiers	8	Prof. Dr. Said A. Gawish
• 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: Classical lecturing using the white board
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity: Numerical exercises and solution of problems by computer
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: Prof. Dr. Said A. Gawish

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course:
List any criticisms

- الاستاذ الدكتور سعيد جاويش يتميز بحس فكاهى فا بالتالى لايوجد ملل بالمحاضرة , ايضاً يستغل الكتاب فى الشرح عن طريق سؤال وجواب ويقوم ايضاً بحل المسائل وايجاد النواتج النهائية بنفسة ولكنة عصبى بعض الشىء.
- ارجو ان يتم تدريس المحتوى كاملاً وعدم تخطيط الكتاب لانة بذلك يجعل اعتماد الطالب على الحفظ

7- Comments from external evaluator(s):
External evaluator: None

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 2014 – 2015

Actions required	Completion date	Person responsible
None		

Course coordinator: Prof. Dr. Said A. Gawish

Signature:
Date: October 2014

Annual Course Report
(Academic Year 2013-2014)

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

6- Course coordinator: Projects distributed among the teaching Staff

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

B- Statistical Information:

No. of students attending the course: No. 326   100%
No. of students completing the course: No. 319   97.85%

Results:

	No.	%
Passed	319	100
Failed	0	0

Grading of successful students:

	No.	%
Excellent	261	81.82
Very Good	50	15.67
Good	3	0.94
Pass	5	1.57

C- Professional Information:

1 – Course teaching:

Topic	Lecture Hours	Tutorial hours	Practice hours	Lecturer
Project Background	6			
Project Activities	10			Projects distributed among the teaching Staff
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**	

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 and computer supported learning
   Practical training/ laboratory: Project Labs.
   Seminar/Workshop: weekly

Class activity: A monthly discussion of what is given in the previous weeks
Case Study: None
Other assignments/homework: monthly homework
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
Summer training	50
Total	**150**

Members of examination committee: Projects distributed among the teaching Staff

5- Administrative constraints
List any difficulties encountered: None

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

7- Comments from external evaluator(s):
External evaluator: None.

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 2014 – 2015

Actions required	Completion date	Person responsible
Data show must to graduation projects	20/ 8 /2014	teaching Staff

Course coordinator: Projects distributed among the teaching Staff

Signature:

Date: August 2014