

**Electronic Engineering and
Communication Technology B.Sc.
Program Report
(2016 – 2017)- *By law 2012***

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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. Shouman El-Shahhat.
- 5- **External evaluators:**
 - **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 Academic Standards

This program report include 1st, 2nd, and 3rd years courses only since we are concerning in two semesters case.

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

Zero Level

Course		Program Intended Learning Outcomes			
Code	Title	Knowledge and understanding	Intellectual skills	Professional and practical skills	General and transferable skills
CHE 100	Chemistry	A1, A3, A4, A5, A6, A8, A11, A12	B1, B2, B3, B4, B6, B8, B10, B12	C1, C2, C3, C5, C8, C12	D1, D2, D3, D4, D5, D7
GEN 141	Contemporary Social Issues	A9, A10	B4, B9, B12	C1, C5	D1, D3, D7, D9
MNF 100	Introduction to engineering materials	A3, A4, A18	B1, B2, B5, B13, B15, B17	C1, C2, C9	D1, D3, D7, D9
GEN 143	History of Engineering & Technology	A1, A8, A9, A11, A14	B1, B2, B6, B7	C1, C5	D1, D7, D8
MEC 101	Mechanics – (1)	A1, A3, A4	B1, B2	C1, C13	D1, D2
MTH 101	Mathematics – (1)	A1, A5	B1, B2, B3, B7	C1, C13	D3, D7
PHY 101	Physics (1)	A1, A3, A4, A13	B1, B2, B3, B7, B17, B20	C1, C6, C12, C16, C17	D1, D2, D3, D4, D5, D6, D7, D8, D9
MNF 101	Engineering Graphics	A4, A8, A10	B3, B5, B7, B8, B9	C2, C2, C4, C11	D1, D3, D9
GEN 142	English language	A9, A10	B4	C11, C12	D1, D2, D3, D4, D6, D7, D8
MEC 102	Mechanics – (2)	A1, A3, A4, A5	B1, B2, B5, B13, B15	C1, C13	D1, D2
MTH 102	Mathematics – (2)	A1, A5	B1, B2, B3, B4, B7, B11	C1, C13	D1, D3, D7
PHY 102	Physics (2)	A1, A3, A5	B2, B3, B4, B5,	C1, C5, C12	D5, D7
MNF 102	Principles of production Engineering	A1, A4	B2, B3, B10, B18	C1, C3, C7	D1, D3, D7, D9
CMP 110	Program Design and Computer Languages	A1, A4, A5, A8, A13, A15, A16, A18	B1, B2, B3, B4, B7, B13, B14, B17, B18, B19	C1, C2, C3, C4, C5, C6, C13, C14, C15	D1, D2, D3, D4, D5, D7, D9

First Level

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General & Transferable Skills
		A	B	C	D
GEN241	Presentation Skills	A9, A10, A11, A12	B14	C11	D1, D2, D3, D5, D7
GEN 242	Technical Report Writing	A 4, A10, A11	B4	C12	D3, D4, D7, D9
ARC 210	Civil Engineering Technology	A7, A14	B9, B16	C1, C2	D3, D8
ELC211	Electrical Circuit Analysis-1	A1, A4, A5, A8, A15	B1, B2, B4, B5, B6, B7	C1, C3, C5, C6, C9, C10, C11	D1, D2, D3, D6, D7, D9
ELC212	Electrical Circuit Analysis-2	A1, A2, , A4, A5, A23	B1, B2, B3, B4, B5, B6, B7	C1, C2	D1, D2, D3, D7, D9
ELC 213	Electrical Measurements	A1, A4, A14,&A15	B1,B3,B5,B6,B7, B9,B10,B11,B13, & B14	C2,C3,C5,C15,C16,C17, C18,& C20	D1,D3,D6,D8, &D9
ELC214	Modern Theory for Semiconductor Devices	A1, A2, A3, A4, A8, A9	B1, B2, B4, B5, B6, B7, B8, B9, B11, B12	C1, C2,C3, C4, C7, C8, C11, C12	D1, D3, D4, D7, D9
ELC215	Semiconductor for Microelectronics	A1, A2, A3, A4	B1, B2, B4, B5, B6, B7, B8, B9, B11, B12	C1, C2,C3, C4, C7, C8, C11, C12	D1, D3, D4, D7, D9
CMP 210	Data Structures and Algorithms	A1, A4, A5, A9, A12, A16,A18	B1, B2, B4, B8, B12, B14, B17, B18	C13	D1, D2, D3, D4, D6, D7
CMP 211	Logic Design-1	A1, A5, A14	B1, B2, B3, B4, B8, B12, B14	C1, C2, C3, C5, C6	D3, D4, D5, D6, D7, D9
MTH203	Mathematics -3	A1, A5	B1, B2, B3, B7	C1, C13	D3, D7
MTH204	Mathematics-4	A1, A5	B1, B2, B3, B7	C1, C13	D3, D4

Second Level

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General & Transferable Skills
		A	B	C	D
GEN 341	Project Management.	A1, A3, A4, A10	B9	C12	D1, D3, D6, D7, D9
ELC 310	Control-1 (Principles of Automatic Control).	A1,A4,A5,A16	B1,B2,B5,B7,B13	C1,C2,C3,C5, C11,C12,C14, C17	D1,D3,D7,D9
ELC 312	Microelectronic Circuits- 1	A3, A4, A8, A13, A23	B2, B5, B7	C3, C17	D3, D5, D6, D7
ELC 314	Electronic Measurements	A5,A10,A15	B2, B3, B12	C3, C12, C15, C20	D4, D6, D7
MTH 305	Mathematics -5 (Introduction to Probability. and Statistics).	A1, A5	B1, B2, B3, B7,B11	C1, C13	D3, D7
ELC 315	Signal Analysis	A24	B2	C1, C13	D3, D6, D7, D9.
ELC 361	Seminar-1	A10, A12	B14	C5, C8, C12, C15, C18	D1, D2, D3, D5, D7
CMP 310	Engineering Computer Applications	A1, A5, A12, A13, A16	B1, B2, B3, B5, B7, B13, B14, B17,B18	C1, C2, C3, C4,C5, C6, C7,C14,C15	D1, D3, D4, D5,D7, D9
CMP 311	Numerical Methods with Computer Applications.	A1,A5 A8, A12, A13, A16	B1, B2, B3, B8, B13	C1, C13	D1, D3, D4, D5,D7,D9
ELC 311	Communications -1	A18, A24, A27	B7, B15.	C19, C20.	D3, D5, D6, D7.
ELC 362	Seminar-2.	A10, A12	B14	C5, C8, C12, C15, C18	D1, D2, D3, D5, D7
ELC 313	Microelectronic Circuit-2	A1, A3,A4,A15, A23	B2,B3,B5	C1,C7,C15,C18	D2,D3,D6,D7, D9
MTH 306	Mathematics -6(Complex Analysis and P.D.E)	A1, A5	B1, B2, B3, B4, B7	C1, C13	D1, D3, D7
GEN 353	Management, International Business, and Total Quality Management	A6, A7, A10, A12	B3, B4, B5, B9, B10	C1, C5	D1, D3, D7, D9

Third Level

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General & Transferable Skills
		A	B	C	D
GEN 341	Project Management	A1, A3, A4, A10	B9	C9	D1, D3, D6, D7, D9
ELC 314	Electronic Measurements	A1, A2, A3, A4, A8, A15	B1, B2, B3, B4, B8, B14	C3, C4, C14, C15, C16	D2, D3, D4, D5, D6, D7, D9.
ELC 410	Electrical Power Engineering	A1, A3, A4, A5, A6, A8, A11, A13, A14, A15, A16, A23	B1, B2, B3, B6, B9, B11	C1, C2, C4, C5, C8	D2, D3, D6, D7, D8
ELC 420	Control –2	A1,A4,A5,A8,&A16	B1,B2,B3,B5,B7,B12, B13	C1,C2,C3,C5,C6,C11, C12,C13,C14 ,C17	D1,D3,D7, D9
ELC 421	Communications-2	A1, A5, A8, A14, A15, A16, A17, A24	B1, B3, B4, B7, B9, B11, B14	C3, C8, C9, C14	D1, D2, D3, D4, D6,D7, D9
ELC 422	Digital Signal Processing	A1, A2, A4, A5, A8, A10, A14, A15 & A24	B1, B2, B3, B7, B9, B10, B11, B13 & B15	C1, C2, C3, C5, C6, C11, C12, C13, C14 & C16	D3, D4 & D7
ELC 423	Electromagnetic Field Theory	A1, A2	B1, B2	C1	D1, D7
ELC 424	Microwave Engineering	A5, A19	B2, B5	C3, C14	D6, D9
CMP 311	Numerical Methods with Computer Applications	A1, A5	B1, B2, B3, B11	-	D3, D4, D7
CMP 410	Microprocessor Based-Systems	A4, A5, A9, A14, A15, A16, A17, A18	B2, B3, B4, B5, B6, B9, B11, B12, B13, B16, B17, B18	C5, C6, C12, C14, C15	D3, D5, D7, D9
ELC 461	Project 1	A1, A2, A3	B1, B2, B3, B4	C1, C2, C3	D1, D2, D3
GEN 242	Technical Report Writing	A 4, A10, A11	B4	C2, C4, C12, C13	D6, D8

Fourth Level

Course		Program Intended Learning Outcomes			
Code	Title	Knowledge and understanding	Intellectual skills	Professional and practical skills	General and transferable skills
ELC 424	Microwave Engineering	A5, A19	B2, B5	C3, C14	D6, D9
ELC 432	Optical Fiber Communications	A1, A2, A4, A13, A15, A22, A25	B2, B3, B6, B9	C3, C5, C15	D2, D3, D6, D7, D9
ELC 521	Antenna and Wave Propagation	A1, A2, A5, A20	B1, B2, B5, B7	C1, C2, C5, C6, C11, C14, C16	D1, D2, D3, D5, D6, D7
ELC 522	Communications -3	A1, A2, A3, A4	B1, B2, B3	C1, C2, C3	D1, D2, D3
ELC 523	Communications -4	A2, A4, A17, A18	B1, B2, B3, B11, B14	C5, C6, C12, C13	D1, D3, D5, D6, D7
ELC 524	Radio and Television Engineering Systems	A1, A2, A3, A4	B1, B2, B3	C1, C2, C3	D1, D2, D3
ELC 533	VHDL (Advanced Digital Electronic)	A1, A4, A5, A12, A14, A15, A18	B2, B3, B4, B8, B12, B13, B15, B17, B18	C1, C3, C10, C14	D1, D3, D7, D9
ELC 534	Mobile communication	A1, A2, A3	B1, B2, B3, B4	C1, C2, C3	D1, D2, D3
ELC 535	Microwave Circuit and Devices	A8, A19	B2, B7	C5, C16	D7, D9
ELC 537	Communications Networks	A2, A4, A8, A12, A17, A18	B2, B3, B4, B5, B6, B14	C1, C6, C7, C11, C16, C17	D1, D2, D3, D4, D7, D9
ELC 538	Satellite communication	A1, A2, A4	B1, B2, B3	C1, C2	D1, D2
ELC 562	Project -2	A2, A4, A5, A6, A7, A8, A9, A10, A11, A12, A14, A15, A16, A17	B1, B3, B4, B5, B7, B8, B9, B12, B13, B14, B15, B16	C1, C2, C3, C4, C5, C6, C7, C8, C9, C11, C15, C16, C17	D1, D2, D3, D4, D5, D6, D7, D8, D9

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.

2.2. 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.

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.

2.4. Quality of teaching and learning

Comments of external evaluator and other stakeholders including students

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

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

2.5. 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

2.6. 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

2.7. 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 2016
Complete the shortage in education facilities	Academic Administration	Academic year 2015-2016

Program Coordinator: *Prof. Dr. Shouman El-Shahhat.*

Appendix 1

Annual Course Report

(2016-2017)- *By law 2012*

Zero Level

Code	Title
CHE 100	Chemistry
GEN 141	Contemporary Social Issues
MNF 100	Introduction to engineering materials
GEN 143	History of Engineering & Technology
MEC 101	Mechanics – (1)
MTH 101	Mathematics – (1)
PHY 101	Physics (1)
MNF 101	Engineering Graphics
GEN 142	English language
MEC 102	Mechanics – (2)
MTH 102	Mathematics – (2)
PHY 102	Physics (2)
MNF 102	Principles of production Engineering
CMP 110	Program Design and Computer Languages

Annual Course Report Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (CHE100) Chemistry

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

Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program
Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First Year/Second Semester

4- Credit hours

Credit 3 hrs. Lectures 2 hrs. Tutorial 1 hrs. Practical 2 hrs.

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

6- Course coordinator: Prof. Dr. Shaban Rageb Gouda

7- External evaluator: Non

B- Statistical Information

1- No. of students attending the course:

No.	1250	100	%
No.	1250	100	%

2- No. of students completing the course:

3- Results:

	No.	%
Passed	1122	89.76
Failed	122	10.24

Grading of successful students:		
Grade	No.	%
Excellent	353	28.24
Very Good	139	11.12
Good	133	10.64
Pass	185	14.8

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Gas law and gas liquefaction	6	6	Prof. Dr. Shaban Rageb
• Liquid state, refrigeration and heat pump.	6	6	
• Electrochemistry and metallic corrosion.	5	5	
• Solution and antifreezes	3	3	
• Thermo chemistry and solar heat.	3	3	
• Pollution	0	0	
• water treatment and distillation	14	14	
• polymer and industry	3	3	
• fuels and combustion	3	3	

• Chemistry and tech. of petroleum and new trends in energy resource.	3	3	
Total hours			

Topics taught as a percentage of the content specified: >90 %
 Reasons in detail for not teaching any topic: non

If any topics were taught which are not specified, give reasons in detail: Non
 Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a12	b1 to b7	c1 to c6	d1 to d5

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials and problem solving
 Practical training/ laboratory: Practical Training and experimental measurements in Lab
 Seminar/Workshop: Non
 Class activity: Exercises; solution of problems and data show.
 Other assignments/homework: Bi-weekly assignments and reports
 If teaching and learning methods were used other than those specified, give reasons: Non

3- Student assessment:

Method of assessment	Points	%
Written examination	60	60
Oral examination	Non	0
Practical/laboratory work	20	20
Other assignments/class work	10	10
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Prof. Dr. Shaban Ragab Gouda
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	it is recommended to solve more examples in the exercises	Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods

(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.
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7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- High success percentage in the good level of the final written exam.
- The whole exam result shows considerable weakness in report writing and English language level.

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

Actions required	Planned Completion date	Accomplishment
(a) Add more experiments to chemistry Laboratory	December 2016	Two experiments are already added on September 2016. One more is planned for May 2017.

10- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
1. adding more assignments reports and quizzes for Chapters 10 and 11	December 2018	Prof. Dr. Shaban Rageb

Course coordinator: Prof. Dr Shaban Rageb

Date: September 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

- 1- Course Code & Title: (GEN 141) قضايا اجتماعية معاصره
2- Program(s) on which this course is given: قسم العلوم الأساسية
3- Year/Level of program: First Semester
4- Credit hours
Credit 2 hrs Lectures 2 hrs Tutorial - Practical -
5- Names of lecturers contributing to the delivery of the course: Prof. Dr. شيماء نبيه
6- Course coordinator: Prof. Dr شيماء نبيه
7- External evaluator: Non

B- Statistical Information

- 4- No. of students attending the course: No. 1335 100 %
5- No. of students completing the course: No. 1335 100 %
6- Results:

	No.	%
Passed	1262	94.53
Failed	73	5.47

Grading of successful students:		
Grade	No.	%
Excellent	416	31.16
Very Good	211	15.81
Good	231	17.3
Pass	404	30.26

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
الانتماء اهميته واصول المجتمع –العادات والتقاليد المرعية –المواطنه – العوامل المحفزه لحب الوطن (الحرية – احترام الرأي الاخر – عدم التمييز العنصري – الديمقراطية)			Prof. Dr. شيماء نبيه
النمو والتكامل الاقتصادي –المكونات الاجتماعية والاقتصادية للمجتمع – اساليب قياده –اساليب ترشيد الموارد – الابتكار وتجديد الموارد – الحوافز الخاصة بافراد المجتمع – اساليب تقييم المشروعات)			
(بناء الاسرة – تكوين الاسرة – التنشئة الاجتماعية – النسق الاسري والانساق الاخرى – المؤسسات التقليدية والحديثة الخاصة بالاسرة)			
(مهارات العمل الجماعي – اهمية العمل الفرقي – الفارق بين العمل الجماعي والفرقي – كيفية اعداد القادة)			
Total hours			

Topics taught as a percentage of the content specified: >90 % 70-90 % <70%
Reasons in detail for not teaching any topic: Non
If any topics were taught which are not specified, give reasons in detail: Non
Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a3	b1 to b3	-	d1 to d3

2- Teaching and learning methods:

Lectures:	Lecture, discussions, tutorials, problem solving and modeling
Practical training/ laboratory:	Non
Seminar/Workshop:	Lecture
Class activity	Non
Case Study:	Selected case studies
Other assignments/homework:	Bi-weekly assignments and reports
If teaching and learning methods were used other than those specified, give reasons:	Non

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	30	30
Mid-Term Exam	Non	0
Total	100	100

Members of examination committee: Dr. شيماء نبيه

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	يري بعض عدم اهمية لدراسة العلوم الانسانية في لطلاب كلية الهندسة	تخصيص اكثر من محاضرة لتوضيح اهمية دراسة العلوم الانسانية في الحياة العملية بجانب دراسة التخصص
(b)	يري بعض الطلاب اضافة بعض الموضوعات التي تناسب تخصصهم ودراستهم للهندسة	تخصيص محاضرتين يعرض فيها الطلبة بعض المهارات التي تساعد في الحياة العملية مثل العمل الفرقي او الاقناع

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	Non

8- Written Exam Evaluation

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

9- Action plan for academic year 2017– 2018

Actions required	Completion date	Person responsible
Non	January 2017	Dr. shimaa nabih

Course coordinator: Prof. Dr. شيماء نبيه

Date: Sep. 2017

Annual Course Report

Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (Gen. 142)

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

- Manufacturing Engineering and Production Technology BSc Program
- Electronic Engineering and Communication Technology BSc Program
- Computer Engineering and Information Technology BSc Program
- Architecture Engineering and Building Technology BSc Program

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

4- Credit hours

Credit 2 hrs Lectures 2 hrs Tutorial Practical

5- Course coordinator: Dr. Neveen Samir

6- External evaluator: None

B- Statistical Information

7- No. of students attending the course:

No.	1048	100	%
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8- No. of students completing the course:

No.	980	93.5	%
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9- Results:

	No.	%
Passed	898	91.63
Failed	82	8.36

Grading of successful students:		
Grade	No.	%
Excellent	90	9.1
Very Good	213	21.73
Good	298	30.40
Pass	379	38.67

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
➤ Computer Hackers	2	2	Dr. Neeven Samir
➤ At the Doctor's			
➤ Reviewing tenses ➤ Reading ➤ Speaking: role play ➤ Assignment: Write 5 lines giving advice on how to improve your English/study skills/social life.	2	2	
➤ At the Doctor's(to be continued)			
➤ Grammar: perfect tenses& prefixes ➤ Speaking: role play ➤ Assignment: Write a letter to your friend advising him/ her about healthy habits.&pp.	2	2	

<p>➤ Global Warming</p> <p>➤ Reading</p> <p>Speaking : English communication skills</p> <p>➤ Suffixes & adj.&adv.</p> <p>➤ Peer editing</p>	2	2
<p>Computer Addiction</p> <p>Reading: 53-55</p> <p>Seaking: discussing the topic</p> <p>Grammar: adjectives</p> <p>Assignment:</p>	2	2
<p>Earthquake</p> <p>Reading: 59-61</p> <p>Grammar: Suffixes</p> <p>Speaking: role play</p> <p>Assignment:</p>	2	2
<p>Words and their Stories</p> <p>Reading</p> <p>Grammar: wh-questions and negatives</p> <p>Speaking: practice making questions</p> <p>Assignment:</p>	2	2
<p>Revision</p> <p>7th week Exam</p>	2	2
<p>Describing People & Things</p> <p>Reading :</p> <p>Grammar: adj.& adv.</p> <p>Speaking : English communication skills</p> <p>Assignment: Write a paragraph on the advantages and disadvantages of the internet.</p>	2	2
<p>Describing People & Things (to be contiued)</p> <p>Reading :</p> <p>Grammar : relative clauses</p> <p>Speaking : English communication skills</p>	2	2
<p>Qualities and Flaws</p> <p>Speak: dicussing qualities and flaws of each one (pair work</p> <p>Grammar: Possession Pronouns+ Adjectives</p> <p>Assignment: internet research</p>	2	2
<p>Qualities and Flaws (to be continued)</p> <p>List. & Speak: dicussing the topic</p> <p>Speaking : English communication skills</p> <p>Grammar: Comparative & superlative</p> <p>Assignment: peer editing</p>	2	2

People Idioms Grammar: gerund "& to infinitive & adjectives with prepositions Speaking : English communication skills ➤ Assignment: internet research	2	2	
English proverbs ➤ Grammar: problem verbs Speaking : English communication skills Revision	2	2	
➤ Revision	2	2	
Total hours	30	30	

Topics taught as a 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

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
A9 , A10	C11 , C12	B4	D1 to D8

2- Teaching and learning methods:

Lectures: Lecture, discussions, doing exercises,
Practical training/ laboratory: None
Seminar/Workshop: None
Class activity: Doing exercises (pair work & group work)
Other assignments/homework: Bi-weekly assignments and reports
If teaching and learning methods were used other than those specified, give reasons: None

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	None	0
Practical/laboratory work	-	-
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

Members of examination committee: Dr. Neveen Samir

Role of external evaluator: None

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: None

5- Administrative constraints (List any difficulties encountered)

- None

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	None	

8- Written Exam Evaluation

- The exam level is convenient, considering the percentage of success.

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr Neveen

Date: September 1, 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (GEN 143) تاريخ الهندسة والتكنولوجيا

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

Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program
Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First year

4- Credit hours

Credit 2 hrs Lectures 2 hrs Tutorial - Practical -

5- Names of lecturers contributing to the delivery of the course: Dr. مروه فؤاد - Dr. شيماء شريف

6- Course coordinator: Dr مروه فؤاد

7- External evaluator: Non

B- Statistical Information

10- No. of students attending the course:

No. 1052 100 %

11- No. of students completing the course:

No. 1042 99.05 %

12- Results:

	No.	%
Passed	932	89.44
Failed	110	10.56

Grading of successful students:		
Grade	No.	%
Excellent	322	30.90
Very Good	205	19.67
Good	190	18.23
Pass	215	20.63

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
العلم و الهندسة والتكنولوجيا	2		Dr. مروه فؤاد
الهندسة و البحث العلمى – منظومة البحث العلمى	2		
لهندسة وخريطة البحث العلمى – مراحل البحث العلمى	2		
تاريخ الهندسة و التكنولوجيا فى مختلف العصور	2		Dr. شيماء شريف
نقل التكنولوجيا	4		
نشاطات العمل الهندسى و مسئوليات المهندس	2		
التعليم الهندسى	2		
Total hours			

Topics taught as a percentage of the content specified: >90 % 70-90 % <70%

Reasons in detail for not teaching any topic: Non

If any topics were taught which are not specified, give reasons in detail: Non

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a4	b1 to b4	-	d1 to d4

2- Teaching and learning methods:

Lectures:	Lecture, discussions, tutorials, problem solving and modeling
Practical training/ laboratory:	Non
Seminar/Workshop:	Lecture
Class activity	Non
Case Study:	Selected case studies
Other assignments/homework:	Bi-weekly assignments and reports
If teaching and learning methods were used other than those specified, give reasons:	Non

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	15	15
Practical/laboratory work	Non	0
Other assignments/class work	15	15
Mid-Term Exam	Non	0
Total	100	100

Members of examination committee: : Dr. مروه فؤاد - Dr. شيماء شريف

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	يري بعض عدم اهمية لدراسة العلوم الانسانية في لطلاب كلية الهندسة	تخصيص اكثر من محاضرة لتوضيح اهمية دراسة العلوم الانسانية في الحياة العملية بجانب دراسة التخصص
(b)	يري بعض الطلاب اضافة بعض الموضوعات التي تناسب تخصصهم ودراساتهم للهندسة	تخصيص محاضرتين يعرض فيها الطلبة بعض المهارات التي تساعد في الحياة العملية

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	Non

8- Written Exam Evaluation

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

9- Action plan for academic year 2016– 2017

Actions required	Completion date	Person responsible
Non	January 2017	Dr. مروه فؤاد

Course coordinator: Dr. مروه فؤاد

Date: September 1, 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

1- **Course Code & Title:** (MEC 101) Mechanics (1)-Statics

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

Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program
Architecture Engineering and Building Technology BSc Program

3- **Year/Level of program:** First Year/First Semester

4- **Credit hours**

Lectures: 2 hrs Tutorial 1 hrs Practical

5- **Names of lecturers contributing to the delivery of the course:** Dr.Moamen Wafaie

6- **Course coordinator:** Dr.Moamen Wafaie

7- **External evaluator:** Non

B- Statistical Information

13- **No. of students attending the course:**

No.	1395	100	%
No.	1324	94.91	%

14- **No. of students completing the course:**

15- **Results:**

	No.	%
Passed	973	73.5
Failed	351	26.5

Grading of successful students:		
Grade	No.	%
Excellent	85	8.7
Very Good	154	15.8
Good	284	29.1
Pass	450	46.4

C- Professional Information

1 – Course teaching

Topic				Tutorial hours
1	Forces in plane	2	2	
2	Component of a Force- Rectangular Component – Resultant	4	4	
3	Force in space	4	4	
4	Force defined by its magnitude and two points on its line of action	4	4	
5	Moment of a force about a point	2	2	
6	Rectangular Components of the moment of a Force	2	2	
7	Moment of a forcmt e about a specified axis- moment of a couple	2	2	
8	Equivalent system – Resultants of a force and couple sys	2	2	
9	Support reaction in plane	2	2	
10	Support reaction in space	2	2	
11	Trusses	4	4	

	Total hours	30	30	
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Topics taught as a percentage of the content specified: More than 95 %

Reasons in detail for not teaching any topic:

Non

If any topics were taught which are not specified, give reasons in detail:

Non

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a5	b1 to b6	None	d1 to d3

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Practical training/ laboratory:

Seminar/Workshop:

Class activity Numerical exercises; solution of problems

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

Members of examination committee: Prof.Dr.Eng. Hassan Awad

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	It is recommended to solve more examples in the exercises	Only a balanced proportion of numerical exercises are solved in the class, the rest are presented as assignments

(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods
(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr. Moamen Wafaie

Date: September 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (MEC 102) Mechanics (2)-Dynamics

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

Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program
Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First Year/ Second Semester

4- Credit hours

Lectures: 2 hrs Tutorial 2 hrs Practical

5- Names of lecturers contributing to the delivery of the course: Dr. Moamen Wafaie

6- Course coordinator: Dr. Moamen Wafaie

7- External evaluator: Non

B- Statistical Information

16- No. of students attending the course:

No.	1160	100	%
No.	1135	97.8	%

17- No. of students completing the course:

18- Results:

	No.	%
Passed	992	87.4
Failed	143	12.6

Grading of successful students:		
Grade	No.	%
Excellent	219	22.1
Very Good	188	19
Good	272	27.4
Pass	313	31.5

C- Professional Information

1 – Course teaching

Topic				Tutorial hours
1	Rectilinear Motion of particles.	2	2	
2	Determination of the motion of a particle.	2	2	
3	Graphical Solution of Rectilinear Motion.	4	4	
4	Curvilinear Motion of particle, Free Flight Motion.	2	2	
5	Curvilinear Motion of particle:	2	2	
6	Normal and Tangent.	2	2	
7	Plane Curvilinear Motion.	2	2	
8	Polar Coordinates.	3	3	
9	Kinetics of Particles, Force and acceleration.	4	4	
10	Kinetics of Particles Energy and Momentum Methods	3	3	
11	Motion under a conservative central force.	4	4	

	Total hours	30	30	
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Topics taught as a percentage of the content specified: More than 95 %

Reasons in detail for not teaching any topic:

Non

If any topics were taught which are not specified, give reasons in detail:

Non

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a5	b1 to b3	c1 to c3	d1 to d2

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Practical training/ laboratory:

Seminar/Workshop: Lecture

Class activity Numerical exercises; solution of problems

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

Members of examination committee: Dr.Moamen Wafaie and Dr. Shymai lotfy

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	It is recommended to solve more examples in the exercises	Only a balanced proportion of numerical exercises are solved in the class, the rest are presented as assignments

(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods
(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr.Moamen Wafaie

Date: September 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

1- **Course Code & Title:** (MTH 101) Algebra and Calculus

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

Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program
Architecture Engineering and Building Technology BSc Program

3- **Year/Level of program:** First Year/First Semester

4- **Credit hours**

Credit 3 hrs Lectures: 2 hrs Tutorial 2 hrs Practical

5- **Names of lecturers contributing to the delivery of the course:** Prf. Dr. Osama El Gayar
Dr. Sabry Abd El-Aziz

6- **Course coordinator:** Dr. Sabry Abd El-Aziz

7- **External evaluator:** Non

B- Statistical Information

19- **No. of students attending the course:**

No.	1211	100	%
No.	1183	97.7	%

20- **No. of students completing the course:**

21- **Results:**

	No.	%
Passed	1068	90.28
Failed	115	9.72

Grading of successful students:		
Grade	No.	%
Excellent	510	43.11
Very Good	248	20.96
Good	133	11.24
Pass	177	14.96

C- Professional Information

1 – **Course teaching**

	Topic	Lecture hours	Actual hours	Tutorial hours
1	Functions.	4	3	2
2	Differentiation.	3	4	4
3	Trigonometric and inverse trigonometric functions.	3	4	4
4	Exponential and logarithmic functions.	2	2	2
5	Hyperbolic and inverse hyperbolic functions.	2	2	2
6	Taylor and binomial expansions.	2	2	2
7	Matrices with applications.	6	4	6
8	Vectors in the Euclidean space.	2	1	2
9	Real vector spaces.	2	1	2
10	Polar coordinates.	2	1	2
11	Final Revision	2	2	2
	Total hours	30	26	30

Topics taught as a percentage of the content specified:

More than 80 %

Reasons in detail for not teaching any topic:

Non

If any topics were taught which are not specified, give reasons in detail: Non
 Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a7	b1 to b5	c1 to c2	d1 to d3

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Practical training/ laboratory:

Seminar/Workshop:

Class activity Solution of problems

Other assignments/homework: Weekly assignments

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

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

Members of examination committee: Prof. Dr. Osama and Dr. Sabry

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	it is recommended to solve more examples in the exercises	Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods
(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation



9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons for any non-completion:

Actions required	Planned Completion date	Accomplishment
Non	Non	Non

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
Adding more exercises, assignments reports and quizzes	September , 2017	Dr. Sabry

Course coordinator: Dr. Sabry Abd El-Aziz

Date: September, 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

1- **Course Code & Title:** (MTH 102) Integration and Analytic Geometry

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

Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program
Architecture Engineering and Building Technology BSc Program

3- **Year/Level of program:** First Year/Second Semester

4- **Credit hours**

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

5- **Names of lecturers contributing to the delivery of the course:** Prf. Dr. Osama El Gayar
Dr. Sabry Abd El-Aziz

6- **Course coordinator:** Dr. Sabry Abd El Aziz

7- **External evaluator:** Non

B- Statistical Information

22- **No. of students attending the course:**

No.	1251	100	%
No.	1209	96.6	%

23- **No. of students completing the course:**

24- **Results:**

	No.	%
Passed	1020	84.37
Failed	189	15.63

Grading of successful students:		
Grade	No.	%
Excellent	406	33.58
Very Good	172	14.23
Good	191	15.8
Pass	251	20.76

C- Professional Information

1 – **Course teaching**

	Topic	Lecture hours	Actual hours	Tutorial hours
1	Anti-derivative, indefinite integral	2	2	2
2	Definite integrals and the fundamental theorem of calculus	2	2	3
3	Methods of integration (integration by parts, substitution)	4	3	6
4	Integration of trigonometric functions	2	2	4
5	Trigonometric Substitutions	2	2	2
6	Integration of rational functions	2	2	4
7	Miscellaneous Substitutions, improper integrals	2	2	4
8	Application of definite integral (area, volume, arc length, surface area)	3	3	4
9	Sequences, series	4	3	6
10	Equations of lines, planes and circles	3	3	4
11	Conic sections (parabola, ellipse, hyperbola)	4	3	6
	Total hours	30	27	45

Topics taught as a percentage of the content specified:

More than 80 %

Reasons in detail for not teaching any topic: Non
 If any topics were taught which are not specified, give reasons in detail: Non
 Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a5	b1 to b6	c1	d1 to d3

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving
 Practical training/ laboratory:
 Seminar/Workshop:
 Class activity Numerical exercises; solution of problems
 Case Study: Selected case studies
 Other assignments/homework: Weekly assignments and reports
 If teaching and learning methods were used other than those specified, give reasons: Non

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

Members of examination committee: Prof. Dr. Osama and Dr. Sabry
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	it is recommended to solve more examples in the exercises	Only a balanced proportion of numerical exercises are solved in the class, the rest are presented as assignments
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods
(c)	It is recommended to announce the	The form and timing of declaration of year work

	points of mid- term, rather than the grades.	evaluation results follow the Academy policy.
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7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation



9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
Adding more exercises, assignments reports and quizzes	December 2017	Dr. Sabry

Course coordinator: Dr Sabry Abd El Aziz

Date: September, 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (PHY 101) Physics

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

Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program
Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First Year/Second Semester

4- Credit hours

Credit 3 hrs Lectures 2 hrs Tutorial 1 hrs Practical 2 hr

5- Names of lecturers contributing to the delivery of the course: Prof. Dr.El-Tawab Kamal, Prof. Dr. Abo el Yazeed B. Abo el Yazeed ,Dr. Marwa Y. Shoeib, Dr. Nagat A. Elmahdy, Dr Ghada Maher

6- Course coordinator: Prof. Dr.El-Tawab Kamal

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:

No. **993** **100** %

No. of students completing the course:

No. **784** **78.9** %

Results:

	No.	%
Passed	784	78.9
Failed	209	21.04

Grading of successful students:		
Grade	No.	%
Excellent	225	22.6
Very Good	180	18.12
Good	169	17
Pass	210	21.04

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Rotational motion and the Gravitational Law.	10	10	Prof. Dr El-Tawab Kamal
• Elasticity and Energy Stored in a wire.	6	8	
• Fluid Flow and Fundamental Laws of Fluid Mechanics.	6	8	
• Viscosity and Poiseuille's Law	3	4	
• Temperature and Heat Transfer.	7	8	
• Thermodynamics and the Kinetic Theory of Gases.	6	8	
• Simple Harmonic Motion.	4	0	
• Wave Motion and Energy Transmitted by Sinusoidal Waves.	6	0	
• Sound waves and Doppler's Effect.	6	0	
Total hours	54	46	

Topics taught as a percentage of the content specified: >90 % **70-90 %** <70%
 Reasons in detail for not teaching any topic:
 There was no time
 If any topics were taught which are not specified, give reasons in detail:
 Non
 Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a7	b1 to b3	c1 to c4	d1 to d3

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials and problem solving
 Practical training/ laboratory: Practical Training and experimental measurements in Lab
 Seminar/Workshop: Non
 Class activity: Exercises; solution of problems and data show.
 Other assignments/homework: Bi-weekly assignments and reports
 If teaching and learning methods were used other than those specified, give reasons: Non

3- Student assessment:

Method of assessment	Points	%
Written examination	60	60
Oral examination	Non	0
Practical/laboratory work	20	20
Other assignments/class work	10	10
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Prof. Dr El-Tawab Kamal

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	it is recommended to solve more examples in the exercises	Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods

(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.
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7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- High success percentage in the good level of the final written exam.
- The whole exam result shows considerable weakness in report writing and English language level.

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

Actions required	Planned Completion date	Accomplishment
(b) Adding more assignments reports and quizzes.	September 2018	(a) More assignments were prepared.
(c) The department discussed the need for more advanced laboratory experiences, especially in the area of Thermodynamics.		(b) Three experiments are already added on September 2017.

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
<ol style="list-style-type: none"> 1. The department discussed the need for more advanced laboratory experiences. 2. Acquaint students with several lab apparatus and experimental demonstrations. Forming groups to conduct laboratory exercises. 3. Organize group participation in collecting physics bulletins, magazines, news letters etc., and other international collaborations. 	December 2018	All group members and course instructors

Course coordinator: Prof. Dr El-Tawab Kamal

Date: Jan 20, 2018

First Level

Code	Course Name
MTH203	Mathematics III
ELC211	Electrical Circuits Analysis I
ELC214	Physics III
ARC210	Civil Engineering Technology
ELC213	Instruments & Measurements I
CMP211	Digital Logic Circuits
MTH204	Mathematics IV
ELC212	Electrical Circuits Analysis II
CMP210	Data Structures
MNF210	Tech of mechanical Engineering
ELC215	Physics IV
GEN241	Presentation Skills

Annual Course Report

Academic year 2016-2017

A- Basic Information

1- **Course Code & Title:** (MTH 203) Mathematics -3(Differential Equations and Transforms)

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

Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program

3- **Year/Level of program:** Sophomore, 2017

4- **Credit hours**

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

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

Prof. Dr. Aly Essawi
Assoc. Prof. Dr. Ashraf Taha

6- **Course coordinator:** Assoc. Prof. Dr. Ashraf Taha

7- **External evaluator:** Non

B- Statistical Information

25- **No. of students attending the course:**

No.	347	100	%
No.	347	100	%

26- **No. of students completing the course:**

27- **Results:**

	No.	%
Passed	274	78.96
Failed	131	21.04

Grading of successful students:		
Grade	No.	%
Excellent	51	14.7
Very Good	42	12.1
Good	56	16.14
Pass	125	36.02

C- Professional Information

1 – **Course teaching**

Topic	Lecture hours	Tutorial hours	Practical hours
➤ Definitions, order, degree.	1	1	—
➤ 1 st order differential equations, 2 nd order and n th order differential equations with constant coefficients.	6	10	—
➤ Non homogeneous D.E., undetermined coefficient method.	6	10	—
➤ Variation of parameters, Euler equations, piratical D.E.	3	4	—
➤ Laplace transform, 1 st and 2 nd shifting theorem.	4	6	—
➤ Laplace transforms of derivative and integrals, inverse Laplace transforms, convolution, applications.	4	6	—
➤ Fourier series, half rang expansion, Legendre and Bessel functions.	6	8	—
Total hours	30	45	—

Topics taught as a percentage of the content specified:

More than 95 %

Reasons in detail for not teaching any topic:

Non

If any topics were taught which are not specified, give reasons in detail:

Non

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a7	b1 to b4	c1 to c3	d1 to d2

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Practical training/ laboratory:

Seminar/Workshop:

Class activity Solution of problems

Case Study: Selected case studies

Other assignments/homework: Weekly assignments and reports

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

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

Members of examination committee: Prof. Dr. Aly Essawi and Assoc. Prof. Dr. Ashraf Taha

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	It is recommended to solve more examples in the exercises	Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods
(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- Low success percentage in question 4 of the final written exam implies the need to revise the teaching and learning activity of the methods of solution for inverse Laplace transform and Fourier series, by adding more exercises.

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Assoc. Prof. Dr. Ashraf Taha

Date: June 12, 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (MTH 204) Mathematics -4 (Advanced Calculus)

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

Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program

3- Year/Level of program: Sophomore, 2017

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

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

Prof. Dr. Aly Essawi
Assoc. Prof. Dr. Ashraf Taha

6- Course coordinator: Assoc. Prof. Dr. Ashraf Taha

7- External evaluator: Non

B- Statistical Information

28- No. of students attending the course:

No.	302	100	%
No.	302	100	%

29- No. of students completing the course:

30- Results:

	No.	%
Passed	274	90.73
Failed	28	9.27

Grading of successful students:		
Grade	No.	%
Excellent	81	26.82
Very Good	63	20.86
Good	70	23.18
Pass	60	19.87

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➤ Functions of several variables ; partial derivatives, Directional derivatives, Taylor polynomials, Lagrange multiplier max, and min. of functions			
• Functions of several variables	2	3	—
• partial derivatives	3	4	—
• Directional derivatives	2	3	—
• Taylor polynomials	2	3	—
• Lagrange multiplier max, and min. of functions	3	4	—
➤ Multiple integrals (double, triple integrals)			
• Double integrals	4	6	—

• Triple integrals	4	6	—
➤ Polar coordinates, cylindrical coordinates and spherical coordinates			
• Polar coordinates, cylindrical coordinates	2	3	—
• spherical coordinates	2	3	—
➤ Green's theorem, Gauss's and Stocks theorems.			
• Vector Calculus	3	6	—
• Green's theorem, Gauss's and Stocks theorems.	3	4	—
Total hours	30	45	—

Topics taught as a percentage of the content specified:

More than 98 %

Reasons in detail for not teaching any topic:

Non

If any topics were taught which are not specified, give reasons in detail:

Non

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a6	b1 to b3	c1 to c2	d1 to d2

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Practical training/ laboratory:

Seminar/Workshop:

Class activity Solution of problems

Case Study: Selected case studies

Other assignments/homework: Weekly assignments and reports

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

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

Members of examination committee: Prof. Dr. Aly Essawi and Assoc. Prof. Dr. Ashraf Taha

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies:

Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	It is recommended to solve more examples in the exercises	Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods
(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- Low success percentage in question 5 of the final written exam implies the need to revise the teaching and learning activity of the methods of solution for Gauss's and Green's theorems, by adding more exercises, assignments reports and quizzes.

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Assoc. Prof. Dr. Ashraf Taha

Date: June 12, 2016

Annual Course Report

Academic year 2016-2017

A- Basic Information

1- Course Code & Title: ELC214: Modern Theory for Semiconductor Devices

2- Program(s) on which this course is given: Electronic Engineering and Communication Technology BSc Program, Computer Engineering and Information Technology BSc Program

3- Year/Level of program: Second Year/ Senior 2, First Semester

4- Credit hours

Credit 3 hrs Lectures 2 hrs Tutorial 1 hrs Practical 2 hr

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. L. I. Soliman
Dr. A. H. Serag El-Deen

6- Course coordinator: Prof. Dr. L. I. Soliman

7- External evaluator: Non

B- Statistical Information

31- No. of students attending the course:

No.	328	100	%
No.	320	97.56	%

32- No. of students completing the course:

33- Results:

	No.	%
Passed	310	96.8
Failed	10	11.5

Grading of successful students:		
Grade	No.	%
Excellent	35	10.9
Very Good	60	18.8
Good	80	25
Pass	145	45.3

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➤ Introduction to quantum physics	1		
➤ Classical and modern theory of light	1		1
➤ Plank's explanation for black body radiation	1	2	2
➤ Photo electric effect	1	2	2
➤ Compton experiment	1	2	2
➤ Compton scattering	2	2	
➤ Particles behaving as a wave and particle wave complementarity	1	2	2
➤ Introduction to wave mechanics	2	2	1
➤ The uncertainty principle	2	2	1
➤ Wave function for free particles	1		
➤ Wave function of the particles	3	2	1
➤ The simple harmonic oscillator	2	2	1

➤ Scanning tunneling microscopy	2	2	
➤ Introduction to atomic physics	1		
➤ Models of atoms	2	2	1
➤ Bonding mechanisms	2	4	1
➤ Bonding in solids	3	2	
➤ Classical free electron model of metals	3	2	
Total hours	30	15	30

Topics taught as a percentage of the content specified: >90 % 70-90 % <70%

Reasons in detail for not teaching any topic:

Non

If any topics were taught which are not specified, give reasons in detail:

Non

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a7	b1 to b4	c1 to c6	d1 to d5

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving and modeling

Practical training/ laboratory: Practical Training and experimental measurements in Lab

Seminar/Workshop: Non

Class activity: Numerical exercises; solution of problems.

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

Method of assessment	Points	%
Written examination	60	60
Oral examination	Non	0
Practical/laboratory work	20	20
Other assignments/class work	10	10
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Prof. Dr. L. I. Soliman, Dr. A. H. Serag Eldeen

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	it is recommended to modify the practical part with advanced experiments.	The new versions of experiments have been prepared and will be ready in the next semester.
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods
(c)	It is recommended to announce the points of the student activities.	It is under study to be published.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- High success percentage in question 1 and 4 of the final written exam
- The whole exam result shows considerable weakness in report writing and English language level.

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

	Actions required	Planned Completion date	Accomplishment
(d)	Add more experiments to physics Laboratory	December 2018	4 experiments are already added on September 2015.

9- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
1. adding more exercises, assignments reports and quizzes for Chapter 1- 4	December 2015	Prof. Dr L. I. Soliman

Course coordinator: Prof. Dr L. I. Soliman

Date: Feb. 2018

Annual Course Report

Academic year 2016-2017

A- Basic Information

1- Course Code & Title: ELC215: Semiconductor for Microelectronics

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

Electronic Engineering and Communication Technology BSc Program,
Computer Engineering and Information Technology BSc Program

3- Year/Level of program: Second Year/ Senior 2, second Semester

4- Credit hours

Credit 3 hrs Lectures 2 hrs Tutorial 1 hrs Practical 2 hr

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

Prof. Dr. L. I. Soliman
Dr. A. H. Serag El-Deen

6- Course coordinator: Prof. Dr. L. I. Soliman

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:

No.	402	100	%
No.	348	87	%

No. of students completing the course:

Results:

	No.	%
Passed	348	87
Failed	64	13

Grading of successful students:		
Grade	No.	%
Excellent	76	18.9
Very Good	80	19.9
Good	108	26.87
Pass	84	20.8

3 – Contents

Topic	Lecture hours	Tutorial hours	Practical hours
➤ Introduction to semiconductors	1		
➤ Classifyl deffernt types of semiconductors	1		1
➤ Crystal structur and band structure of semiconductor	1	2	2
➤ Conduction in deffernt types of semiconductor	2	2	2
➤ P-N junction	1	2	2
➤ Forward and revers biase and breakdown	2	2	
➤ Diode	1	2	2
➤ Zener diode	2	2	1
➤ Tunnel diode	2	2	1
➤ Solar cell	1		
➤ Application of diodes	3	2	1
➤ Schottky diode	2	2	1
➤ Tunnel diode	2	2	

➤ Bipolar junction transistor (BJT)	2	2	1
➤ Junction field effect transistor (JFET)	2	4	1
➤ Metal oxide semiconductor transistor(MOSFT)	3	2	
➤ Physical structre, basic configuration and I-V charactrstics	3	2	
➤ Total hours	30	15	30

Topics taught as a percentage of the content specified: >90 % 70-90 % <70%

Reasons in detail for not teaching any topic:

Non

If any topics were taught which are not specified, give reasons in detail:

Non

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a7	b1 to b4	c1 to c6	d1 to d5

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving and modeling

Practical training/ laboratory: Practical Training and experimental measurements in Lab

Seminar/Workshop: Non

Class activity Numerical exercises; solution of problems.

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

Method of assessment	Points	%
Written examination	60	60
Oral examination	Non	0
Practical/laboratory work	20	20
Other assignments/class work	10	10
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Prof. Dr. L. I. Soliman, Dr. A. H. Serag Eldeen

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	it is recommended to modify the practical part with advanced experiments.	The new versions of experiments have been prepared and will be ready in the next semester.
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- High success percentage in question 2 of the final written exam

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

	Actions required	Planned Completion date	Accomplishment
(e)	Add more experiments to physics Laboratory	may 2018	No action.

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
1. adding more exercises, assignments reports and quizzes for Chapter 1- 5	June 2018	Prof. Dr L. I. Soliman

Course coordinator: Prof. Dr L. I. Soliman

Date: June 2018

Annual Course Report

Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (MNF. 242)

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

Manufacturing Engineering and Production Technology BSc Program
Computer Engineering and Information Technology BSc Program
Electronic Engineering and Communication Technology BSc Program

3- Year/Level of program: 5th Year/1st,2nd and summer Semesters

4- Credit hours

Credit 2 hrs Lectures 2 hrs Tutorial Practical

5- Course coordinator: Dr. Neveen Samir

6- External evaluator: None

B- Statistical Information

No. of students attending the course:

No.	467	100	%
No.	445	95.28	%

No. of students completing the course:

Results:

	No.	%
Passed	428	96.17
Failed	17	3.82

Grading of successful students:		
Grade	No.	%
Excellent	30	6.74
Very Good	90	20.22
Good	140	31.46
Pass	185	41.57

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
➤ Paragraph structure	2	2	Dr. Neeven Samir
➤ Paragraph structure (Cont.)			
➤ Topic sentences			
➤ Assignment: to do different exercises on topic sentences.	2	2	
➤ Paragraph structure (Cont.)			
➤ Supporting sentences			
➤ Assignment: to do various exercises on the supporting sentences	2	2	
➤ Paragraph structure (Cont.)			
➤ Concluding sentences			
➤ Assignment: Write a paragraph on the advantages and disadvantages of the internet.			
➤ Peer editing	2	2	

Technical report <ul style="list-style-type: none"> ➤ Elements of a title page ➤ Design a title page ➤ Assignment: to write short notes on the title page and also to design a title page 	2	2
Technical report (cont.) <ul style="list-style-type: none"> ➤ Table of contents ➤ Design a table of contents ➤ Assignment: to write short notes on the table of contents and also to design one. 	2	2
Technical report (cont.) <ul style="list-style-type: none"> ➤ Summary ➤ Assignment: 	2	2
Revision 7th week Exam	2	2
Technical report (cont.) <ul style="list-style-type: none"> ➤ Introduction ➤ Assignment 	2	2
Technical report (cont.) <ul style="list-style-type: none"> ➤ The body of the report ➤ Using figures and tables ➤ Assignment 	2	2
Technical report (cont.) <ul style="list-style-type: none"> ➤ conclusion ➤ Assignment: internet research 	2	2
Technical report (cont.) <ul style="list-style-type: none"> ➤ References ➤ Citation Assignment:	2	2
Technical report (cont.) <ul style="list-style-type: none"> ➤ Appendices ➤ Plagiarism ➤ Assignment: internet research 	2	2
Common mistakes <ul style="list-style-type: none"> ➤ Grammar: problem verbs 	2	2
<ul style="list-style-type: none"> ➤ Revision 	2	2
Total hours	30	30

Topics taught as a 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

Achieved program intended learning outcomes, ILO's

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
A9 , A10	C11 , C12	B4	D1 to D8

2- Teaching and learning methods:

Lectures: Lecture, discussions, doing exercises,
 Practical training/ laboratory: None
 Seminar/Workshop: None
 Class activity: Doing exercises (pair work & group work)
 Other assignments/homework: Bi-weekly assignments and reports
 If teaching and learning methods were used other than those specified, give reasons: None

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	None	0
Practical/laboratory work	-	-
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

Members of examination committee: Dr. Neveen Samir

Role of external evaluator: None

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: None

5- Administrative constraints (List any difficulties encountered)

➤ None

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	None	

8- Written Exam Evaluation

➤ The exam level is convenient, considering the percentage of success.

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons

for any None-completion:

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr Neveen

Date: September 1, 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

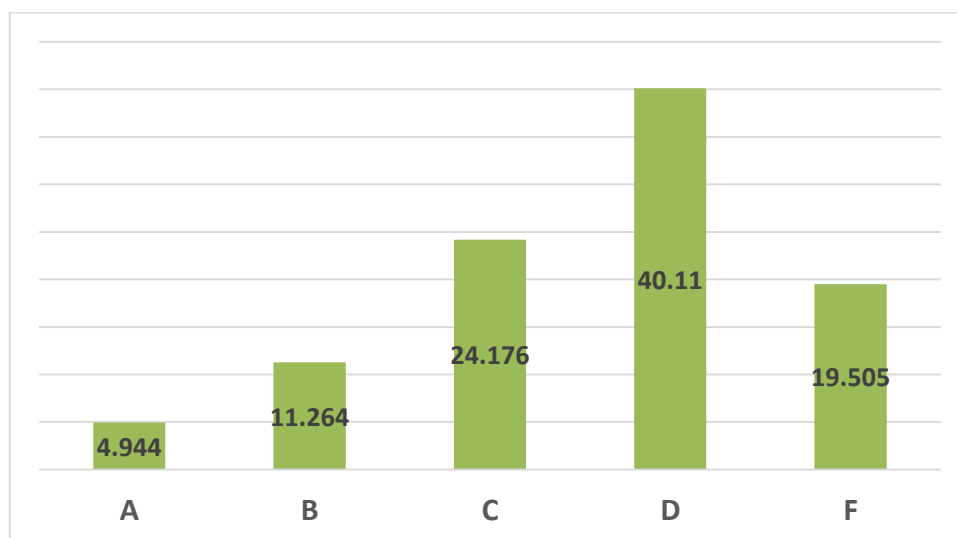
- 1- **Title and code:** Electrical Circuits Analysis I - (ELC 211)
- 2- **Program(s) on which this course is given:**
 - Electronic Eng. & Communications Tech. Dpt.
 - Computer Engineering & Information Technology Dpt.
- 3- **Year/Level of program:** level one
- 4- **Unit hours: 2**
 Lectures Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course:**
 Prof. Dr. Said Refai – Dr. Haytham Gamal
- 6- **Course coordinator:** Prof. Dr. Said Refai – Dr. Haytham Gamal
- 7- **External evaluator:** Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No.	100%	No. <input type="text" value="86"/>	100%
No. of students completing the course	No.	%	No. <input type="text" value="64"/>	74.418%

Results				
	FALL		Spring	
	No.	%	No.	%
Passed			64	74.418
Failed			22	25.518

Grading of students				
	FALL		Spring	
	No.	%	No.	%
A			85	98.83
B			0	0
C			27	31.39
D			36	41.86
F			22	25.58



C- Professional Information:

1 – Course teaching:

Topics	Lecture hours	Tutorial hours	Practical hours
1. Units Dimensions and Standards.	2	1	2
2. Circuit Variables and elements.	2	1	2
3. Simple Resistive Circuit.	4	2	4
4. Node Voltage Method.	2	1	2
5. Mesh Current method	2	1	2
6. Source Transformation and Super Position Principle.	4	2	4
7. Thevenin's Theorem.	4	2	4
8. Operational Amplifiers.	4	2	4
9. Inductance, Capacitance and Mutual Impedances.	2	1	2
10. Response of RL and RLC Circuits.	4	2	4
Total hours	30	15	30

Topics taught as a percentage of the content specified:

>90 % 70-90 % <70%

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:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

Written examination	<input type="text" value="60 %"/>
Practical examination	<input type="text" value="15 %"/>
Other assignments/class work	<input type="text" value="10 %"/>
Mid-Term Exam	<input type="text" value="5 %"/>
Total	100 %

Members of examination committee

Prof. Dr. Said Refai – Dr. Haytham Gamal

4- Administrative constraints

List any difficulties encountered

- Low students' level in the basic of physics concepts concerning with electrical sciences.
- Low students' level in the mathematics basics.

5- Student evaluation of the course:

List any criticisms

6- External Reviewer Comments:

المقرر به عدد كبير من مخرجات التعلم

7- Response to external reviewer comments:

تم تخفيض مخرجات التعلم للمقرر لتصبح 22 مخرج

Progress on actions identified in the previous year's action plan: additional exercises had been added for power calculation

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

7- Action plan for academic year 2016 – 2017

Course coordinator: Prof. Dr. Said Refai – Dr. Haytham Gamal

Signature:

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

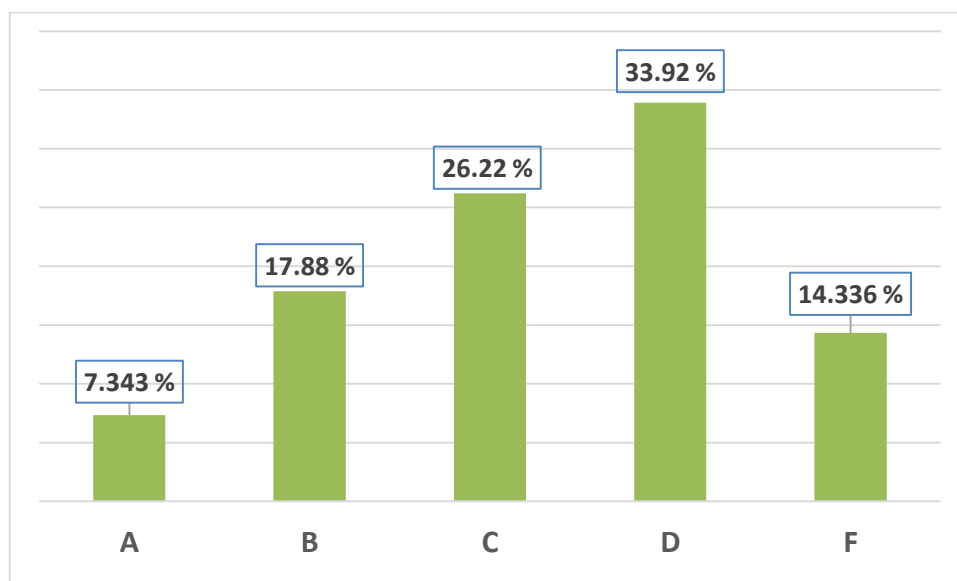
- 1- **Title and code:** Electrical Circuits Analysis II - (ELC 212)
- 2- **Program(s) on which this course is given:**
 - Electronic Eng. & Communications Tech. Dpt.
 - Computer Engineering & Information Technology Dpt.
- 3- **Year/Level of program:** Level one
- 4- **Unit hours 2**
Lectures Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course:**
Prof. Dr. Said Refai – Dr. Haytham Gamal
- 6- **Course coordinator:** Prof. Dr. Said Refai – Dr. Haytham Gamal
- 7- **External evaluator:** Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING		SUMMER	
No. of students attending the course	No.	100%	No.	<input type="text" value="299"/> 100%	No.	100%
No. of students completing the course	No.	%	No.	<input type="text" value="235"/> 78.595%	No.	%

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed			235	78.595	46	61.333
Failed			64	21.404	29	38.667

Grading of students						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
A			23	7.692	0	0
B			43	14.381	0	0
C			68	22.704	3	3.9
D			101	33.779	14	18.66
F			64	21.40	29	38.66



C- Professional Information:

1 – Course teaching:

Topics	Lecture hours	Tutorial hours	Practical hours
1-Sinusoidal steady- state analysis.	2	3	-
2-Techniques of circuit analysis in AC.	4	6	-
3- Sinusoidal steady- state power calculation.	4	6	-
4-Balanced three- phase circuit.	4	6	-
5- Introduction to Laplace- Transform.	2	3	-
6- Laplace- Transform circuit analysis.	4	6	-
7- Techniques of circuit analysis using Laplace- Transform.	4	6	-
8- Frequency selective circuits.	4	6	-
9- Two- ports networks.	2	3	-
Total hours	30	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:

Practical training/ laboratory:

Seminar/Workshop:

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

Case Study:

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee

Prof. Dr. Said Refai – Dr. Haytham Gamal

4- Administrative constraints

List any difficulties encountered

- Students are not familiar with complex number and Laplace transform, which is important in analyzing A.C. circuit.
- One lecture per week is not sufficient to cover course contents.

5- Student evaluation of the course:

Response of course team

List any criticisms

6- External Reviewer Comments:

المقرر ليست به مخرجات للمهارات المهنية والعلمية

7- Response to external reviewer comments:

تم إضافة مهارات مهنية وعملية للمقرر

8- Course enhancement:

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

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

8- Action plan for academic year 2016 – 2017

Support students with additional exercise in order to improve their skills I dealing with different circuit problems.

Course coordinator: Prof. Dr. Said Refai – Dr. Haytham Gamal

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

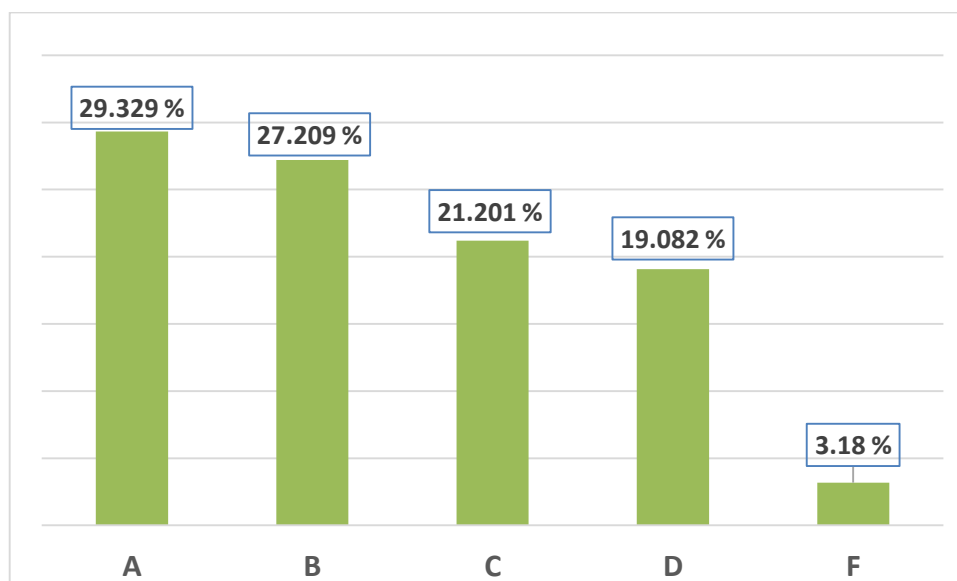
- 1- **Title and code:** Electrical Measurements - (ELC 213)
- 2- **Program(s) on which this course is given:** Electronic Eng. & Communications Tech. Dpt. -
Computer Engineering & Information Technology Dpt.
- 3- **Year/Level of program:** Level one
- 4- **Unit hours 2**
Lectures Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course:**
Prof. Dr. SHOUMAN E.I. SHOUMAN.
- 6- **Course coordinator:** Prof. Dr. SHOUMAN E.I. SHOUMAN.
- 7- **External evaluator:** Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING		SUMMER	
No. of students attending the course	No.	100%	No.	<input type="text" value="267"/> 100%	No.	<input type="text" value="43"/> 100%
No. of students completing the course	No.	%	No.	<input type="text" value="243"/> 91.01%	No.	80.453 %

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed			273	96.82	37	80.435
Failed			24	8.98	9	19.565

Grading of students						
	FALL		SPRING		SUMMER	
	No.	%.	No.	%	No.	%
A		0	76	28.46	0	0
B	1	5.556	73	27.34	2	4.348
C	2	11.11	61	22.84	14	30.435
D	9	50	57	21.43	13	28.261
F	6	33.33	24	8.98	9	19.565



C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours
➤ Units, Dimensions, and Standards.		1	
➤ Types and Analysis of Errors in Electrical Measurements.	2	1	2
➤ Fundamentals of Analogue Electrical Measuring Instruments.	2	1	2
➤ Deflection Type Permanent Magnet Moving Coil and Electro-dynamic	4	2	2
➤ Galvanometers, and DC Multi-Range Voltmeters, and Ammeters.	4	2	4
➤ AC Rectifier Type Voltmeters and Ammeters.	2		2
➤ Series and Multi-Range Ohmmeters.	2	1	2
➤ DC and AC Electro-dynamic Voltmeters, Ammeters, and Wattmeters.	4	2	4
➤ DC and AC Power Measurements.			2
➤ Accurate measurements of very low, low, High, and very High Resistances.	4	2	4
➤ Capacitance and Inductance Measurements Using AC Bridges.	4	2	4
➤ Impedance measurements using resonance method.	2	1	2
Total hours	30	15	30

Topics taught as a percentage of the content specified:

>90 % 70-90 % <70% 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Measurements and Testing Laboratory

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee

Prof. Dr. SHOUMAN E.I. SHOUMAN.

4- List any difficulties encountered

- Percentage of students' attendance is sufficiently low.
- Students may have a lot of questions but they are not asking neither in lecture period nor during office hours

5- Student evaluation of the course:

List any criticisms

6- Comments from external evaluator(s):

External evaluator: None

7- Course enhancement:

Progress on actions identified in the previous year's action plan: increase number of tutorial hours.

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

8- Action plan for academic year 2016 – 2017

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

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

1- **Title and code:** Presentation Skills - (GEN 241)

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

- Electronic Eng. & Communications Tech. Dpt.
- Computer Engineering & Information Technology Dpt.

3- **Year/Level of program:** Second year

4- **Unit hours 2**

Lectures Tutorial Practical Total

5- **Names of lecturers contributing to the delivery of the course:** Dr. Lubna Fekry

6- **Course coordinator:** Dr. Lubna Fekry

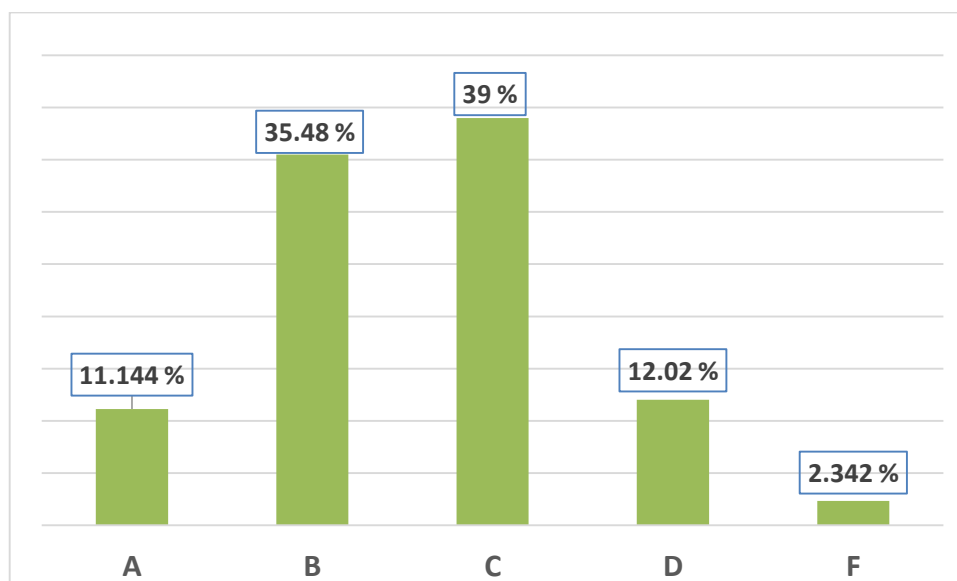
7- **External evaluator:** Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL
No. of students attending the course	No. <input type="text" value="341"/> 100%
No. of students completing the course	No. <input type="text" value="333"/> 97.65%

Results		
	FALL	
	No.	%
Passed	333	97.65
Failed	8	2.342

Grading of students		
	FALL	
	No.	%
A	38	11.144
B	121	35.48
C	133	39
D	41	12.02
F	8	2.342



C- Professional Information:

1 – Course teaching:

Topics	Lecture hours
1- Preparation of short talks.	2
2- How to write a technical report.	2
3- C.V Writing: Preparation of an attractive C.V. containing personal data qualifications, posts, and publications. - Interview Preparations	2
4- Fundamentals of preparing an attractive style for a short talk, techniques for using slides and projector for better interpretation. Using the power point technique for achieving and ideal short talk through a lab top and a data show / Seminar training.	6
5- To improve the student communications skills / Seminar training / JoeHarries Window.	6
6- To develop the student acquiring power of leadership	2
7-. Training on active listening and negotiation.	4
8- To understand and practice what's body language / art of questions.	2
9-.Free Suggested topic by the students.	2
Total hours	28

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: Presenting for both Lecturer and students using data show + Writing on white board

Practical training/ laboratory: None

Seminar/Workshop: yes

Class activity: Bi-weekly presentation by students

Case Study:

Other assignments/homework:

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

None

3- Student assessment:

Written examination	70 %
Oral question	15 %
Presentation /class work	10 %
Personnel CV	5 %
Total	100 %

Members of examination committee

Dr. LubnaFekry

4- Administrative constraints

List any difficulties encountered

- Not adequate class work degrees compared with final exam degree.

5- Student evaluation of the course:

List any criticisms

6- External Reviewer Comments:

المقرر ليس له إمتحان Midterm

7- Response to external reviewer comments:

طالبت باختبار حيث تم وضعه و لكن لم نستطع توفير وقت واحد مناسب لجميع المجموعات و من حيث الاماكن كان وقت الراحة مناسب و لكن عدم توافر المراقبين فى هذا الوقت.

8- Course enhancement:

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

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

9- Action plan for academic year 2016 – 2017

Course coordinator: Dr. LubnaFekry

Date: November 2017

Second Level

Term	Code	Subject
First Term	GEN 341	Project Management.
	ELC 310	Control-1 (Principles of Automatic Control).
	ELC 312	Microelectronic Circuits-1
	CMP 310	Engineering Computer Applications
	MTH 305	Mathematics -5 (Introduction to Probability. and Statistics).
	ELC 315	Signal Analysis
	ELC 361	Seminar-1
	ELC 314	Electronic Measurements
	ELC 311	Communications -1
	ELC 362	Seminar-2.
	ELC 313	Microelectronic Circuit-2
	ELC 410	Electrical Power Engineering.
	MTH 306	Mathematics -6(Complex Analysis and P.D.E)
	GEN 353	Elective Humanities No.1. "Management and International Business"

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- **Title and code:** Control-1 (Principles of Automatic Control) (ELC 310)
- 2- **Program(s) on which this course is given:** Electronic Eng. & Communications Tech. Dpt.
- 3- **Year/Level of program:** Level Two
- 4- **Unit hours 2**
Lectures Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course:** Ass. Prof. Dr. Magdy O. Tantawy
- 6- **Course coordinator:** Ass. Prof. Dr. Magdy O. Tantawy
- 7- **External evaluator:** Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. <input type="text" value="310"/>%	No. <input type="text" value="73"/> %
No. of students completing the course	No. <input type="text" value="310"/> 100%	No. <input type="text" value="73"/> 100%

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	265	85.484	58	79.452
Failed	45	14.516	15	20.548

Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A	10	3.226	0	0
A	21	6.774	0	0
-A	17	5.484	0	0
+B	18	5.806	1	1.370
B	18	5.806	0	0
+C	38	12.258	0	0
C	38	12.258	10	13.699
+D	37	11.935	12	16.438
D	39	12.581	13	17.808
-D	29	9.355	22	30.137
F	45	14.516	15	20.548

C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
➤ Introduction to control system (closed loop versus open loop control).	2		4	Ass. Prof. Dr. Magdy O. Tantawy
➤ Mathematical background for solving of linear time-invariant systems (differential equations & Laplace transform).	3	2		
➤ Transfer function of system, block algebra & Mason's gain formula.	3	1		
➤ Closed loop system subjected to disturbances & errors of system.	2	1	4	
➤ State-space representation of dynamic system & state transition matrix & solution of state equation.	4	1		
➤ First order & second order open and closed loop responses.	3	1	4	
➤ Effect of roots of the system characteristic equation (poles of system) on the system transient response parameters.	2	1	2	
➤ Basic control actions (P, PI, PD and PID), and system performance.	6	2	8	
➤ Stability of linear control system (Routh-Hurwitz criterion).	3	1	2	
➤ Root locus plots concept and system analysis.	3	2		
➤ Frequency response analysis and Bode diagrams.	4	1	2	
➤ The concept of stability in the frequency domain (polar diagram & Nyquist criterion).	6	1	2	
➤ Design of control system via root locus and frequency domain.	4	1	2	
Total hours	45	15	30	

Percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic The actual lecture hours reached was 33 hours

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: weekly laboratory lessons

Seminar/Workshop:

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

Case Study:

Other assignments/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

Written examination	<input type="text" value="60 %"/>
Practical examination	<input type="text" value="20%"/>
Other assignments/class work	<input type="text" value="10%"/>
Mid-Term Exam	<input type="text" value="10 %"/>
Total	<input type="text" value="100 %"/>

Members of examination committee: Ass. Prof. Dr. Magdy O. Tantawy

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

- الوقت المخصص للتمارين – محاضره 45 دقيقه اسبوعيا – غير كافي بالمره
- المنهج الدراسى طويل جدا و صعب ولا يتناسب مع عدد المحاضرات المتاحه اسبوعيا
- طريقه شرح الدكتور للمنهج غير متناسبه لى كطالب علاوه على انه لا يتقبل الاسئله اثناء المحاضره بصدر رحب

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 2017– 2018

- فعلا وقت التمارين غير كافي ونحاول الالتفاف على هذه المشكله بترتيب اوقات التمارين بحيث يكون وقت التمرين يعقبه فتره حره فى جدول ممكن الاستفاده منها فى اطاله فتره التمرين
- المنهج الدراسى يعرض اساسيات علم التحكم الالى و التى يجب على كل مهندس ان يكون ملما بها و اللائحه ...،...مثل الرياضيات و الطبيعه ، (Basic Eng.فهو علم من علوم الهندسه الاساسيه ...) هى التى حددت عدد و توزيع المحاضرات و التمارين و المعامل

- اما عن طريقه الشرح الغير مناسبه فالغالب انها ملاحظه من بعض الطلبة الغير منتظمين فى لان عدم الانتظام فى حضور المحاضرات يودى الى فقدان التسلسل المعرفى ..حضور المحاضرات وبالتالي يكون من الصعب على هؤلاء ان يتابعوا بالفهم شرح المحاضرات ..لمحاضرات الماده (فهل هذه نتيجته %85.480ولكن اذا نظرنا الى نتائج امتحانات الفصل الدراسى فنجد نسبه النجاح) طالب بتقدير امتياز علاوه على ذلك فهناك الساعات 48 وهناك عدد (..لماده طلبة لا تفهم شرحها ؟ المكتبيه المخصصه كى يتواصل الطلبة مع الاساتذه لشرح اى نقاط فى الماده العلميه تكون غير مفهومه لهم

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

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Electronic Measurements (ELC 314)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Two
- 4- Unit hours 2
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course: Prof. Dr. HanyTawfik
- 6- Course coordinator: Prof. Dr. HanyTawfik
- 7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. <input type="text" value="0"/>	No. <input type="text" value="337"/>	No. <input type="text" value="50"/>
No. of students completing the course	No. <input type="text" value="0"/> 100%	No. <input type="text" value="337"/> 100%	No. <input type="text" value="50"/> 100%

Results					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
Passed		288	85.460	44	88.000
Failed		49	14.540	6	12.000

Grading of students					
	FALL	SPRING		SUMMER	
Grads.		No.	%	No.	No.
+A		2	0.593	0	0
A		8	2.374	1	2.000
-A		13	3.858	0	0
+B		17	5.045	2	4.000
B		38	11.276	1	2.000
+C		39	11.573	0	0
C		33	9.792	16	32.000
+D		46	13.650	10	20.000
D		35	10.386	5	10.000
-D		57	16.914	9	18.000
F		49	14.540	6	12.000

C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
Basics of digital instruments.	4	2	2	Prof. Dr. HanyTawfik
2- Time-base display systems, frequency meter system & measurements.	4	2	2	
3- Errors & reciprocal counting, digital volt-meter and digital display.	2	2	2	
4- Dual trace oscilloscopes, supplies, performance and testing	10	2	2	
5- Signal generators, low frequency, pulses, RF & Frequency synthesizers.	2	2	2	
6- Distortion analyzer, the Q-meter spectrum analyzer.	2	2	2	
7- Measurement of physical quantities: Transducers, Displacement, Temperature, Photoelectric transducers.	4	2	2	
8- Data A question system , A/D converters	2	1	1	
Total hours	30	15	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:

Practical training/ laboratory:

Seminar/Workshop:

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

Case Study:

Other assignments/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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

Total **100 %**

Members of examination committee: Prof. Dr. HanyTawfik

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:

Response of course team

List any criticisms

- بالنسبة للمعيدة ايمان سمير تشرح بطريقة ممتازة وبأسلوب مشوق وكانت تحس الطلبة على التفاعل بالحل اثناء وقت*
- السيكتشن بعض الأمثلة على اليوورد وساعدتنا باعطاء ورق الشرح والتوضيح واعطتتنا sections اضافيه
- data show اار جو عدم الشرح بواسطة
- أتمنى عدم الشرح من الدكتور بواسطة البروجيكتور
- تغيير المادة لأنه غير قادر على توصيل المعلومة اطلاقاً وغير قادر على شرح المقرر بطريقة واضحة.
- لا يتعامل الدكتور مع الطلبة باحترام..الرجاء احترام الطالب والتفاعل معهم
- الدكتور يشرح بسرعة كبيره..الرجاء الشرح على السبورة وبهدوء
- تطوير أدوات المعامل
- الدكتور يتعامل مع الطلبة باحترام وإعطاء كل ذي حق حقه.
- تغيير المنهج ليصبح أكثر تفاعلاً وتطوراً من قبل*
- عمل بعض الدوائر الكهربيه التي ندرسها سيحسن من خبراتنا العمليه

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 2017– 2018

Adding more experiments related to digital measurements and insert more digital measuring instruments in lab.

Course coordinator: Prof. Dr. HanyTawfik

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

1- **Title and code:** Microelectronic Circuits-1 (ELC 312)

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

- Electronic Engineering and Communication Technology BSc Program
- Computer Engineering and Information Technology BSc Program

3- **Year/Level of program:** Level Two

4- **Unit hours 2**

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

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

6- **Course coordinator:** *Prof. Dr. HanyTawfik*

7- **External evaluator:** Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No. 314		No. 32	
No. of students completing the course	No. 314 100%		No. 32 100%	
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	305	97.134	21	65.625
Failed	9	2.866	11	34.375
Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A	37	11.783	0	0
A	58	18.471	1	3.125
-A	49	15.605	0	0
+B	41	13.057	1	3.125
B	36	11.465	3	9.375
+C	23	7.325	2	6.250
C	31	9.873	1	3.125
+D	9	2.866	2	6.250
D	12	3.822	7	21.875
-D	9	2.866	4	12,500
F	9	2.866	11	34,375

C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
• Operational Amplifiers Configurations	2	1	2	Dr. HanyTawfikKamel
Applications of Op-Amps	2	1	2	
Op-Amp Differentiator	2	1	2	
Op-Amp Integrator.	2	1	2	
Design of Op-Amp circuits	2	1	2	
Design of Digital to Analog Converter	2	1	2	
Diode Terminal Characteristic	2	1	2	
Design of Half wave & Full wave rectifier	2	1	2	
Diode circuits	2	1	2	
Dido applications (Clippers-clampers)	2	1	2	
BJT transistor circuits	2	1	2	
JFET Transistors	2	1	2	
JFET Trans- conductance & ac parameters	2	1	2	
CMOSFET Functions	2	1	2	
CMOSFET Applications	2	1	2	
Total hours	30	15	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:

Practical training/ laboratory:

Seminar/Workshop:

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

Case Study:

Other assignments/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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

10 %

Total

100 %

Members of examination committee Prof. Dr. HanyTawfik

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

- ارجو التعديل في نظام شرح المحاضرة على ان يكون الشرح بأكمله من خلال البورد وليس البروجكتور لانة لايتيح كتابة
- كل ما يشرح من خلال ال بروجكتور
- م/ محمد على غير قادر على التعامل معانا وطريقة توصيل المعلومة غير واضحة
- تعديل الكتاب
- يجب تدريس المادة في المستوى الأول
- المنهج كبير جداً في فترة صغيرة والطالب لايقدر ان يذاكر المنهج كاملاً خلال الفترة
- التعليم في الاكاديمية يعتمد على الحفظ وليس الفهم وذلك لايساعد في تكوين مهندس قادر على العمل
- الكتاب العملى لا يحتوى على أسئلة حتى يستطيع الطالب معرفة مايمكن ان يتم امتحانه فية
- الاهتمام بكتاب المعمل بشكل اكثر
- يكون في كورسات في الكلية على مجال الدراسة
- اقترح ان يشرح بطريقة أوضح وان يشرح أسئلة امتحانات اكثر من الأمثلة الصغيرة
- الانتباه لطريقة الشرح في المحاضرة انها جيدة ولكن هناك افضل واكثر جذباً لسامع الطلاب
- المعمل محتاج شوية اهتمام بالادوات والشرح الوافى فية
- تدريب المعيدين اكثر على التواصل مع الطلبة وكيفية الشرح المبسط
- ياريت يتم الشرح من خلال الكتاب
- ارجو من الدكتور دنا شو تعمل على شرح كم كبير دون ان يمكننا الملاحقة في الكتابة الأفضل هو البورد
- توضيح اكثر من شرح الدكتور

6- Comments from external evaluator(s):

External evaluator: None.

7- 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

8- Action plan for academic year 2017– 2018

Adding more experiments in lab to enhance the practical experience of students.

Course coordinator: Prof. Dr. HanyTawfik

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Microelectronic Circuit-2 (ELC 313)

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

- Electronic Engineering and Communication Technology BSc Program
- Computer Engineering and Information Technology BSc Program

3- Year/Level of program: Level Two

4- Unit hours 2

Lectures Tutorial Practical Total

5- Names of lecturers contributing to the delivery of the course: Dr. Eman Mohamed Mahmoud

6 -Course coordinator: Dr. Eman Mohamed Mahmoud

7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course		No. <input type="text" value="301"/>	No. <input type="text" value="50"/>
No. of students completing the course		No. <input type="text" value="301"/> 100%	No. <input type="text" value="50"/> 100%

Results					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
Passed		265	88.040	46	92.000
Failed		36	11.960	4	8.000

Grading of students					
	FALL	SPRING		SUMMER	
Grads.		No.	%	No.	%
+A		21	6.977	0	0
A		8	2.658	0	0
-A		21	6.977	0	0
+B		25	8.306	1	2.000
B		24	7.973	4	8.000
+C		37	12.292	2	4.000
C		34	11.296	13	26.000
+D		29	9.635	10	20.000
D		31	10.299	7	14.000
-D		35	11.628	9	18.000
F		36	11.960	4	8.000

C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
1- Bipolar Junction Transistors.	1	1	1	Dr. Eman Mohamed Mahmoud
2-The I-V curve of BJT.	1	1	2	
3- BJT Operating Regions.	1	1	2	
4-BJT Circuit Configurations.	6	4	6	
5- Transistor Amplifier.	8	8	10	
6- Graphical Analysis.	1	2	2	
7-Frequency Response.	4	2	2.5	
8-Amplifier Frequency Response.	4	3	1	
9- Effect of Internal Transistor Capacitance.	2	4	1	
10- Types of power amplifiers	1	1	0.5	
11-Class A power amplifier.	1.5	2	1	
12- Signal Generators & Wave shaping circuits.	0.5	1	1	
Total hours	30	30	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:

Practical training/ laboratory:

Seminar/Workshop:

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

Case Study:

Other assignments/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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

Total

Members of examination committee

Dr. Eman Mohamed Mahmoud

5- Administrative constraints

List any difficulties encountered

- Not all lecture rooms are equipped with data show.
- Laboratory equipments must be upgraded.

6- Student evaluation of the course:

- محتوى الكتاب جيد ولكن طباعته سيئة جدا *
- محتوى المنهج كبير جدا على فترة الدراسة .
- العدد كبير جدا في المعمل*.
- معظم أجهزة المعمل لا تعمل*
- الكتاب ممتاز كمحتوى ولكن الطباعة سيئة جدا جدا
- الوقت غير كافي لشرح كافة التجارب والأعداد كبيرة جدا على تجربته مع عدم مراعاة الاجازة الرسميه
- تدريب المعيد على الشرح بطريقة تناسب جميع الطلاب *
- تحسين جودة الأدوات في اللاب*
- تقليل المنهج لانه غير مناسب مع الوقت المطروح للترم
- تحسين الأداء في المعمل والشرح بطرق مبسطة
- توفير الأدوات في المعمل وتحسين جودتها
- تحسين الأداء في المعمل*.
- شرح امثله اكثر في المحاضرة والسكشن*
- لا توجد محاضرات تقويه في نهاية 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 2017– 2018

- Try to improve lab circuit kits and make students use their components.
- Number of students in lab 30 student which is acceptable number.

Course coordinator:

Dr. Eman Mohamed Mahmoud

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Signal Analysis (ELC 315)

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

- Electronic Engineering and Communication Technology BSc Program
- Computer Engineering and Information Technology BSc Program

3- Year/Level of program: Level Two

4- Unit hours 2

Lectures Tutorial Practical Total

5- Names of lecturers contributing to the delivery of the course: *Dr. Nelly Muhammad Hussein*

6- Course coordinator: *Dr. Ahmed Hassan Eldieb*

7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING		
No. of students attending the course	No. <input type="text" value="311"/>	No. <input type="text" value="59"/>		
No. of students completing the course	No. <input type="text" value="311"/> 100%	No. <input type="text" value="59"/> 100%		
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	288	92.605	48	81.356
Failed	23	7.395	11	18.644

Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A	12	3.859	1	1.695
A	22	7.074	0	0
-A	31	9.968	1	1.695
+B	38	12.219	3	5.085
B	43	13.826	5	8.475
+C	39	12.540	5	8.475
C	37	11.897	3	5.085
+D	26	8.360	12	20.339
D	18	5.788	10	16.949
-D	22	7.074	8	13.559
F	23	7.395	11	18.644

C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Lecturer
1- Introduction to Signals, Classification of signals and Signal Operators.	4	4	Dr. Nelly Muhammad Hussein
2- Signal Comparison- Correlation..	2	2	
3- Signal Representation by orthogonal signal set – Fourier series.	2	2	
4- Analysis and Transmission of Signals.	4	4	
5- A periodic Signal representation by Fourier Integral.	4	4	
6- Transforms of some useful function and properties of Fourier Transform.	2	2	
7- Signal transmission through linear system and signal distortion over spectral channel	4	4	
8-Energy and power spectral densities. - Random processes.	2	2	
9- Probability – Random variables – Statistical averages.	2	2	
10- Mean – Correlation and Covariance function.	2	2	
11-Transmission of Random process through linear filter.	2	2	
12- Optimum Receiver – Matched filter receiver and correlation receiver.	2	2	
Total hours	30	30	

Percentage of the content specified:

>90 % 70-90 % <70%

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:

Practical training/ laboratory:

Seminar/Workshop:

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

Case Study:

Other assignments/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

Written examination	70 %
Practical examination	0%
Other assignments/class work	15 %
Mid-Term Exam	15 %
Total	100 %

Members of examination committee : *Dr. Ahmed Hassan Eldieb*

4- Administrative constraints

List any difficulties encountered:

- Fourier series exercises were handled in small number of lectures less than required
- Students' level in mathematical operations, especially integration and geometric functions, is very low and need some enhancement.

5- Student evaluation of the course:

Response of course team

List any criticisms

- وتطبيق يجب وضع خطة اول الترم تساعد على ربط المحاضرة بالسكشن في الشرح بحيث يكون السكشن للحل

6- Comments from external evaluator(s):

External evaluator: None

7- Course enhancement:

Progress on actions identified in the previous year's action plan: This is the first year of teaching that course

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

This is the first year of teaching that course

8- Action plan for academic year 2017– 2018

توجد خطه تربط موضوعات المحاضرة بالتطبيق في التمرين وهذه الخطة طبقا للائحة

Course coordinator: *Dr. Ahmed Hassan Eldieb*

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Communications -1 (ELC 311)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Two
- 4- Unit hours 2
Lectures Tutorial Practical Total
- 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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course		No. <input type="text" value="270"/>	No. <input type="text" value="54"/>
No. of students completing the course		No. <input type="text" value="270"/> 100%	No. <input type="text" value="54"/> 100%

Results					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
Passed		249	92.222	40	74.074
Failed		21	7.778	14	25.926

Grading of students					
	FALL	SPRING		SUMMER	
Grads.		No.	%	No.	%
+A		16	5.926	0	0
A		28	10.370	0	0
-A		27	10.000	1	1.852
+B		32	11.852	2	3.704
B		42	15.556	3	5.556
+C		22	8.148	5	9.259
C		25	9.259	7	12.963
+D		19	7.037	4	7.407
D		21	7.778	6	11.111
-D		17	6.296	12	22.222
F		21	7.778	14	25.926

C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
1- Introduction to basic principles of communication systems.	2	2	0	Prof. Dr. Adel El- Sherif
2- Basics of signaling and various sources of information signals.	2	1	4	
3- Different forms of communication channels and media.	2	1	4	
4- Systems and signals representations in comm. systems.	2	2	2	
5- Main concept of information theory.	2	0	2	
6- Modulation process – comparison between analog and digital modulation – C.W. modulation techniques.	2	2	2	
7- Baseband and band pass modulation.	2	0	4	
8- Amplitude modulation and its different forms: AM, DSB-SC, SSB – Amplitude demodulation.	6	2	6	
9- Television communication system (transmission and reception) using VSB technique.	2	0	0	
10- Frequency modulation and demodulation.	4	3	4	
11- Phase modulation and demodulation.	4	2	2	
Total hours	30	15	30	

Percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic Clock recovery and carrier acquisition

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

10 %

Total

100 %

Members of examination committee

Prof. Dr. Adel El- Sherif

4- Administrative constraints

List any difficulties encountered: The course contains a lot of electronic circuits in both analog modulation and demodulation processes which require focusing on electronic circuit basics.

5- Student evaluation of the course:

Response of course team

List any criticisms

- دكتورمايه بالمايه وهذه المادة ذي الفل بس نقل الحفظ شويه لكن دفعة كهرباء راضيين عليك يا دكتور
- توفير اكثر من وقت للمحاضرة

6- Comments from external evaluator(s):

External evaluator: None

7- 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

8- Action plan for academic year 2017– 2018

- Reduce theoretical part in the course.
- Increase number of exercises.

Course coordinator: Prof. Dr. Adel El- Sherif

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Seminar-1 (ELC 361)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Two
- 4- Unit hours 2
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Shouman E.I. Shouman – Dr. Shaimaa EL Sayed
- 6- Course coordinator: *Prof. Dr. Shouman E.I. Shouman – Dr. Shaimaa EL Sayed*

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. <input type="text" value="206"/>	No. <input type="text" value="31"/>
No. of students completing the course	No. <input type="text" value="206"/> 100 %	No. <input type="text" value="31"/> 100 %

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	202	98.058	25	80.645
Failed	4	1.942	6	19.355

Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A	25	12.136	0	0
A	54	26.214	2	6.452
-A	69	33.495	0	0
+B	23	11.165	5	16.129
B	18	8.738	1	3.226
+C	6	2.913	15	48.387
C	2	0.971	2	6.452
+D	2	0.971	0	0
D	3	1.456	0	0
-D	0	0	0	0
F	4	1.942	6	19.355

C- Professional Information:

1- Teaching and learning methods:

Lectures: Classical lecturing using the white board and data show

Practical training/ laboratory: None

Seminar/Workshop: Preparing a technical presentation and report in field of specialization

Class activity:

A weekly discussion of what is achieved during 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:

Semester Work: seminars, assignments, and reports 30 %

Oral Exam 70 %

Members of examination committee Prof. Dr. Shouman E. I. Shouman - Dr. Shaimaa EL Sayed

5- Administrative constraints

List any difficulties encountered

- The existence of a data show "projector" is required before the beginning of the lecture.
- The time is very limited, so it suggested to combine both seminar 1 and seminar 2 courses to be one course with two credit hours.

6- Student evaluation of the course:

List any criticisms

- طباعة الكتاب كنسخة مصغرة, توضيح الكتاب
- الدكتور لايسمح للنقاش نهائياً ويهزأ الطلبة في كل رأى يعارضة

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 2017– 2018

Allowing the student to select a topic in the field of his specialization and teaching him to do a successful seminar in his topic. The data show "projector" will be used through the seminar. the student is required to write a technical report about his selected topic.

Course coordinator: Prof. Dr. Shouman E. I. Shouman – Dr. Shaimaa EL Sayed

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Seminar-2 (ELC 362)

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

3- Year/Level of program: Level Two

4- Unit hours 2

Lectures Tutorial Practical Total

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

Prof. Dr. Shouman E. I. Shouman - Dr. Mohamed El-Hawary

6- Course coordinator: *Prof. Dr. Shouman E. I. Shouman - Dr. Mohamed El-Hawary*

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. <input type="text" value="22"/>	No. <input type="text" value="214"/>
No. of students completing the course	No. <input type="text" value="22"/> 100%	No. <input type="text" value="214"/> 100%

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	22	50.000	199	92.991
Failed	11	50.000	15	7.009

Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A	2	9.091	14	6.542
A	0	0	45	21.028
-A	0	0	29	13.551
+B	1	4.545	45	21.028
B	1	4.545	30	14.019
+C	1	4.545	21	9.813
C	0	0	7	3.271
+D	3	13.636	3	1.402
D	2	9.091	2	0.935
-D	1	4.545	3	1.402
F	11	50.000	15	7.009

C- Professional Information:

1- Teaching and learning methods:

Lectures: Classical lecturing using the white board and data show

Practical training/ laboratory: None

Seminar/Workshop: preparing a technical presentation and report in the field of modern engineering technologies

Class activity:

A weekly discussion of what is achieved during in the previous week.

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:

Semester Work: seminars, assignments, and reports 30 %

Oral Exam 70 %

Members of examination committee

Prof. Dr. Shouman E. I Shouman - Dr. Mohamed El-Hawary

5- Administrative constraints

List any difficulties encountered

- The existence of a data show "projector" is required before the beginning of the lecture.
- The time is very limited, so it suggested to combine both seminar 1 and seminar 2 courses to be one course with two credit hours.

6- Student evaluation of the course:

List any criticisms

- فى الترم الأول seminar1 من الأفضل اخذ مادة
- يتم اخذها في العام المقبل وليس الترم المقبل seminar2 و
- عند انصراف المعيد عدم احضار معيد ويتم التعامل مع الدكتور مباشرة يرجى مراعاة ذلك ووضع معيدين إضافيين.
- إعطاء المحاضرة الوقت الكافى لمناقشة الموضوعات "الساعة الا ربع ما بيكفوش".
- المكتبة لا يوجد بها كتب تتعلق بالموضوعات الهندسيه الجديده *
- وقت المحاضرة 45دقيقة غير كاف ايدا

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 2017– 2018

Allowing the student to select the topics of the seminar-2 from the latest technological aspects on the basis of the experience gained from seminar-1. The students will be grouped where the group can consist of up to four students as maximum to show their seminar and requiring a technical report about their selected topic. The data show "projector" will be used to give the chance to the audiences to learn about the comments stated for the student that gives the seminar and allow them knowing other interesting topics in their specialization field. The lecture time is 45 minutes according to the regulations.

Course coordinator: *Prof. Dr. Shouman E. I. Shouman - Dr. Mohamed El-Hawary*

Date: November 2017

Annual Course Report (Academic year 2016-2017)

A- Basic Information

1- Title and code: Electrical Power Engineering: ELC 410

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

- Computer Engineering and Information Technology BSc Program
- Communication Engineering and Information Technology BSc Program

3- Year/Level of program: Level: Junior, Second Semester

4- Unit hours 2

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

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

B- Statistical Information

	FALL	SPRING	SUMMER
No. of students attending the course	No. 57	No. 240	No. 14
No. of students completing the course	No. 57 100%	No. 240 100%	No. 14 100%

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	54	94.737	228	95.000	14	100.000
Failed	3	5.263	12	5.000	0	0

Grading of students						
	FALL		SPRING		SUMMER	
Grads.	No.	%	No.	%	No.	%
+A	3	5.263	39	16.250	2	14.286
A	6	10.526	38	15.833	1	7.143
-A	11	19.298	32	13.333	2	14.286
+B	6	10.526	36	15.000	3	21.429
B	7	12.281	20	8.333	0	0
+C	5	8.772	16	6.667	1	7.143
C	8	14.035	15	6.250	5	35.714
+D	2	3.509	10	4.167	0	0
D	4	7.018	11	4.583	0	0
-D	2	3.509	11	4.583	0	0
F	3	5.263	12	5.000	0	0

C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
➤ Circuit analysis of transformers.	3	1	-
➤ Transformer construction.	2	-	2
➤ Equivalent circuit of a transformer.	2	1	4
➤ Transformer test.	2	2	4
➤ Construction of DC machine.	2	-	1
➤ Classification of DC machine.	2	1	4
➤ Circuit equations of DC machine.	2	2	2
➤ DC machine efficiency.	2	1	2
➤ Construction of induction motors.	2	-	1
➤ Torque-speed characteristics.	2	2	3
➤ Efficiency of induction motor.	1	1	2
➤ Construction of synchronous machine.	2	-	1
➤ Circuit equations of synchronous machine.	2	2	-
➤ Operation synchronous machine.	2	1	2
➤ Types of power converters.	1	-	-
➤ Application and operation of power converters.	1	1	2
Total hours	30	15	30

Percentage of the content specified:

>90 % 70-90 % <70% 100%

Reasons in detail for not teaching any topic The time of first semester was short

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

2- Teaching and learning methods: (all these methods are used at the industrial company responsible for training)

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

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

Written examination

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

Members of examination committee

Role of external evaluator None

4- Facilities and teaching materials: Laboratories and computers system and software
application Programs etc

Totally adequate .Yes.

Adequate to some extent

Inadequate

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- Contradiction of Time Period of training with summer course
- Changing the content of the training course without informing the department
- Not all the student make a project at the end of the training period

6- Student evaluation of the course:

- الرجاء الاهتمام بالمحتوى العلمي للمادة ووضع امتحانات تقيس المستويات العليا في التفكير بنسبة 95%
- الرجاء الاهتمام بالمحتوى العلمي للمادة ووضع مسأله او اثنين فيها تفكير يقيس المستوى العلمي للطلاب
- نحتاج ترم إضافي
- رفع محتوى الدراسة مساعده على الابتكار في المادة
- الكتاب غير مفهوم بالمره بطريقة غير منظمة في ترتيب الشرح والفصول بالنسبة لترتيب المنهج والمقرر وأدوات العمل
- معظمها غير صالحة للاستعمال وطريقة طباعة الكتاب غير مرضية بالمره والكتاب غير منظم
- عشان نقارن الي اشتري الكتاب والي مش ASS مينفعش يكون في اجبار اننا نشترى الكتب ونطالب ال اشتراه لان سعر
- الكتب مش مناسب لجودتها وكمان مش مهمة ومش بنتفتح
- يجب على معيدين المعمل المحاولة من افادة الطلبة في المقرر وإيجاد طرق واضحة ومعاملة الطالبة معاملة حسنة

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:

Adding the 3-phase motor experiments with their curves

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

First year of the course

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

9- Action plan for academic year 2017– 2018

A new course and new book added.

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

Date: November 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (GEN353) ادارة أعمال دولية

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

Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program

3- Year/Level of program: 2nd Semester

4- Credit hours

Total hrs Lectures 2 hrs Tutorial - Practical -

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

6- Course coordinator: Dr Shima Lotfy

7- External evaluator: Dr Marwa Fouad

B- Statistical Information

No. of students attending the course:

No. 237 100 %

No. of students completing the course:

No. 220 84.4 %

Results:

	No.	%
Passed	220	84.4
Failed	17	5.4

Grading of successful students:		
Grade	No.	%
Excellent	40	18.18
Very Good	46	20.9
Good	44	20
Pass	90	40.9

Topic	Lecturer
مفهوم الادارة	Dr. Shima Lotfy
مفهوم التخطيط	
صناعة و اتخاذ القرارات	
الهيكل التنظيمية	
القيادة و التوجيه	
ادارة الأعمال الدولية	
مفهوم ادارة الجودة الشاملة	

Topics taught as a percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic: on

If any topics were taught which are not specified, give reasons in detail: on

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a3	b1 to b3	-	d1 to d3

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving and modeling
 Practical training/ laboratory: Non
 Seminar/Workshop: Lecture
 Class activity: Non
 Case Study: Selected case studies
 Other assignments/homework: Bi-weekly assignments and reports
 If teaching and learning methods were used other than those specified, give reasons: Non

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	30	30
Mid-Term Exam	Non	0
Total	100	100

Members of examination committee: Dr. شيماء لطفى

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

Non

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	Non

8- Written Exam Evaluation

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons for any non-completion:

10- Action plan for academic year 2017– 2018 Non

Course coordinator: Dr.Shimaa Lofy

Date: September 1, 2018

Annual Course Report Academic year 2016-2017

A- Basic Information

1- **Course Code & Title:** (MTH 305) Introduction to Probability and Statistics

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

Computer Engineering and Information Technology BSc Program

Electronic Engineering and Communication Technology BSc Program

Manufacturing Engineering and Production Technology BSc Program

3- **Year/Level of program:** Fifth Semester (Junior)

4- **Credit hours**

Credit: 3 hrs. **Lectures:** 2 hrs. **Tutorial:** 2 hrs.

5- **Names of lecturers contributing to the delivery of the course:** Dr. S. Shenawy

6- **Course coordinator:** Dr. S. Shenawy

7- **External evaluator:** None

B- Statistical Information

1- **No. of students attending the course:**

No.	612	100	%
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2- **No. of students completing the course:**

No.	612	100	%
------------	------------	------------	----------

3- **Results:**

	No.	%
Passed	467	76.31
Failed	145	23.69

Grading of successful students:		
Grade	No.	%
Excellent	58	9.48
Very Good	96	15.69
Good	143	23.37
Pass	170	27.78

C- Professional Information

1 – Course teaching

Topic		Lecture	Actual	Tutorial
1	Introduction, Sample space, Axioms of probability	3	2	3
2	Conditional probability Bay's theorem	3	3	3
3	Discrete distributions.	3	3	3
4	Binomial distribution.	3	3	3
5	Continuous distributions	3	3	3
6	Normal distribution.	3	3	3
7	Standard normal distribution.	3	3	3
8	Introduction to Statistics	3	2	3
9	Measure of location (mean, median and mode)	3	3	3
10	Measures of variations	3	3	3
Total hours		30	28	30

Topics taught as a percentage of the content specified:

More than 93 %

Reasons in detail for not teaching any topic:

None

If any topics were taught which are not specified, give reasons in detail:

None

Achieved program intended learning outcomes, ILO's:

A1, A2, A5, B1, B2, B3, B7, B11, C1, C2, C12, D3, D7

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving
Class activity Exercises; solution of problems
Case Study: Selected case studies and applications
Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	None	0
Practical/laboratory work	None	0
Other assignments/class work	20	20
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Dr. S. Shenawy

Role of external evaluator: None

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies:

5- Administrative constraints (List any difficulties encountered)

None

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)		

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	None	None

8- Written Exam Evaluation

The results of the course are normally distributed with mean at 63% and with standard deviation 15. This

means that the main objectives of the course are achieved for most of the students.

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons for any non-completion:

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr. S. Shenawy

Date: Feb. 25, 2018

Third Level

Term	Code	Subject
First Term	ELC 421	Communications-2.
	ELC 423	Electromagnetic Field Theory.
	CMP 421	Elective Computer. "Computer Architecture"
	ELC 461	Project-1
	CMP 311	Numerical Methods with Computer Applications.
	GEN 452	Elective Humanities No.2. " Environmental Effects of Electromagnetic Waves"
Second Term	ELC 420	Control-2(Digital and PLC Control)
	GEN 242	Technical Report Writing
	CMP 410	Microprocessor Based Systems.
	ELC 424	Microwave Engineering.
	ELC 434	Elective Communications No.1. "Very Large Scale Integrated Systems (VLSI)"
	ELC 433	Elective Communications No.2-2 "Radar System and Remote Sensing"

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

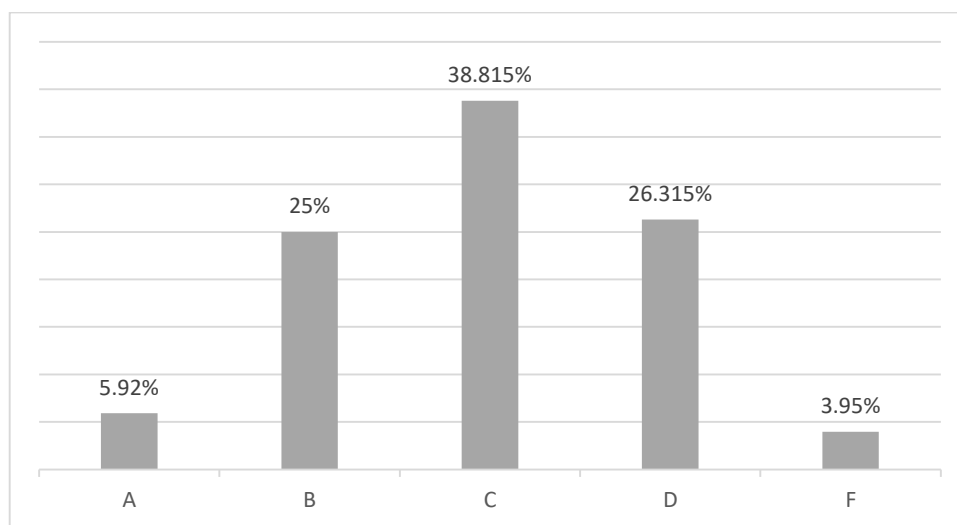
- 1- Title and code: Control- 2 (Digital and PLC Control), (ELC 420)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Three
- 4- Unit hours 4
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course: *Dr. Lobna Fekry*
- 6- Course coordinator: *Prof. Dr. Magdy O. Tantawy*

B- Statistical Information:

	FALL	SPRING	
No. of students attending the course		No. <input type="text" value="280"/>	100... %
No. of students completing the course		No. <input type="text" value="266"/>	95 %

Results			
	FALL	SPRING	
		No.	%
Passed		266	95
Failed		14	5

Grading of students			
	FALL	SPRING	
		No.	%
A		11	3.8
B		44	15.71
C		96	34.28
D		59	20.1



C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
➤ Introduction to discrete-time control system & A/D and D/A conversion.	4	2	4	Prof. Dr. Magdy O. Tantawy
➤ Z- Transform and inverse Z- transform for solving of linear difference equations.	8	2	0	
➤ Z- Plane analysis of discrete-time control systems (Impulse sampling, Pulse transfer function, and Modeling of digital controllers).	8	2	8	
➤ Stability criterion "Jury test" for closed-loop control system in the Z-plane.	3	1	0	
➤ Transient and steady-state response characteristics of discrete-time control system & effects of disturbances.	4	1	4	
➤ Steady-state error analysis of discrete-time control system.	2	1	4	
➤ State-space analysis of discrete-time control system (State-space equation of discrete-time systems, Pulse transfer matrix, and Solving of linear discrete-time state equation).	4	2	2	
➤ Pole placement and state estimation "Observers" of discrete systems.	6	2	0	
➤ Sequential control "discrete-state controller" using PLC's (Basic structure & Ladder diagrams).	4	2	4	
➤ Transducers in industrial application.	2	0	4	
Total hours	45	15	30	

Percentage of the content specified:

>90 % 70-90 %



<70%



Reasons in detail for not teaching any topic The actual lecture hours reached was 33 hours

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: weekly laboratory lessons at 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:

Written examination 60 %

Practical examination 20%

Other assignments/class work 10%

Mid-Term Exam 10 %

Total 100 %

Members of examination committee: Ass. Prof. Dr. Magdy O. Tantawy

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

6- Comments from external evaluator(s):

External evaluator: None.

7- Course enhancement:

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

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

Course coordinator: Prof. Dr. Magdy O. Tantawy

Signature:

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

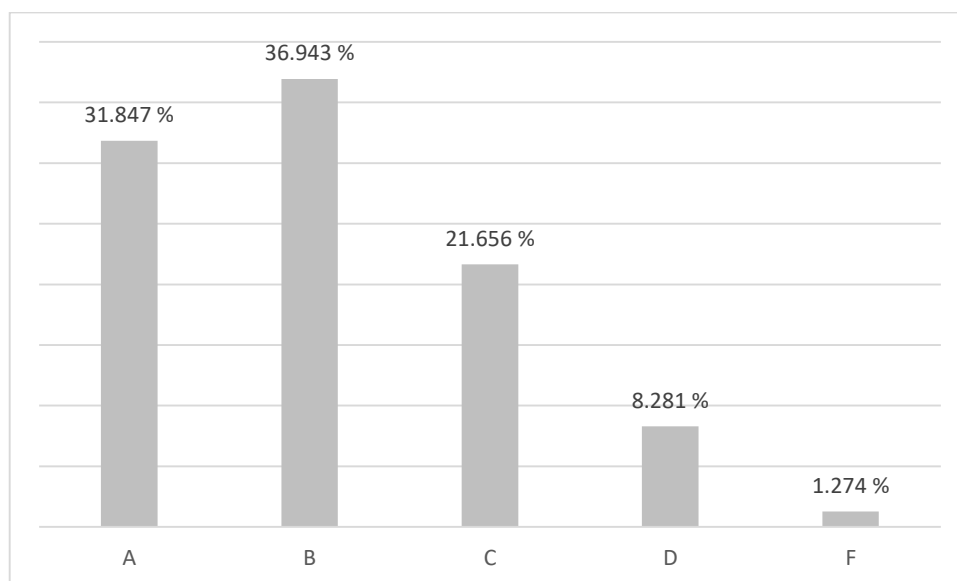
A- Basic Information:

- 1- Title and code: Communications -2 (ELC 421)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Three
- 4- Unit hours
Lectures Tutorial Practical Total
- 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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. <input type="text" value="157"/> 100 %	
No. of students completing the course	No. <input type="text" value="157"/> 100 %	

Results			
	FALL		SPRING
	No.	%	
Passed	157	98.726	
Failed	2	1.274	
Grading of students			
	FALL		SPRING
	No.	%	
A	50	31.847	
B	58	36.943	
C	34	21.656	
D	13	8.281	



C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
1-Introduction to sampling process.	5	1	0	Prof. Dr. Adel El- Sherif
2-Analog pulse modulation techniques: PAM, PWM, and PPM.	10	4	10	
3- Pulse code modulation PCM.	4	2	6	
4-Differential Pulse code modulation DPCM.	4	2	0	
5-Digital radio communication systems.	2	1	4	
6-Modulation techniques used in digital radio comm. systems: ASK, FSK, PSK, QAM, and DPSK.	10	3	10	
7-Carrier recovery.	3	0	0	
8-Internal and external sources of random noises – noise voltage and equivalent temperature calculation.	4	2	0	
9-Performance of analog and digital comm. systems in the presence of random noises.	3	0	0	
Total hours	45	15	30	

Percentage of the content specified:

>90 % 70-90 %



<70%



Reasons in detail for not teaching any topic Clock recovery and carrier acquisition

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 slides using Data show

Practical training/ laboratory: Digital communication lab experiments

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

4- Administrative constraints

List any difficulties encountered: The course contains a lot of electronic circuits in both digital modulation and demodulation processes which require focusing on electronic circuit basics.

5- Student evaluation of the course:

List any criticisms

Response of course team

6- Comments from external evaluator(s):

External evaluator: None

7- 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

8- Action plan for academic year 2016 – 2017

Course coordinator: Prof. Dr. Adel El- Sherif

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

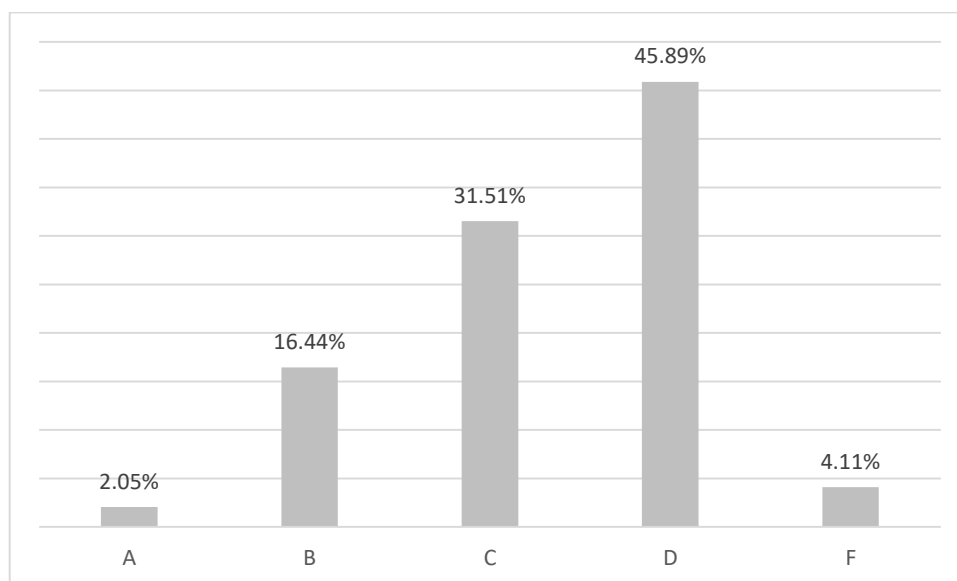
- 1- Title and code: Microwave Engineering (ELC 424)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Three
- 4- Unit hours 4
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course: *Dr. Mokhtar Abd El- Haleem*
- 6- Course coordinator: *Dr. Mokhtar Abd El- Haleem*

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course		No. <input type="text" value="233"/>100 %	No. <input type="text" value="73"/>100 %
No. of students completing the course		No. <input type="text" value="194"/> 83.26%	No. <input type="text" value="61"/> 83.56%

Results					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
Passed		194	83.26	61	83.56
Failed		39	16.73	12	16.43

Grading of students					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
A		3	1.2	0	0
B		25	10.72	4	5.48
C		46	19.774	24	44.1
D		120	51.49	23	31.49



C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
1-Plane wave reflection from a media interface (parallel and perpendicular polarization).	7	1	4	Prof. Dr. Mokhtar Abd El- Haleem
2- Rectangular and circular waveguides TE, TM modes (analysis – design and applications).	10	3	6	
3- Coaxial line and micro strip line (low – frequency and high – frequency solutions)	8	3	6	
4-Attenuation due to conductor and dielectric loss.	5	2	4	
5- Field analysis of transmission lines (traveling and standing waves).	5	2	4	
6-Smith chart and impedance matching (single stub and double stub tuners).	10	4	6	
Total hours	45	15	30	

Percentage of the content specified:

>90 % 70-90 %



<70%



Reasons in detail for not teaching any topic

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: weekly laboratory lessons at 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:

Written examination 60 %

Practical examination 20%

Other assignments/class work 10%

Mid-Term Exam 10 %

Total 100 %

Members of examination committee: Ass. Dr.Mokhtar Abd El- Haleem

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

Response of course team

Two microwave Gunn diode oscillators will be added to the lab.

6- Comments from external evaluator(s):

External evaluator: None.

7- Course enhancement:

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

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

8- Action plan for academic year 2017 – 2018

Two microwave Gunn diode oscillators will be added to the lab.

Course coordinator: Dr. Mokhtar Abd El- Haleem

Date: November 2017

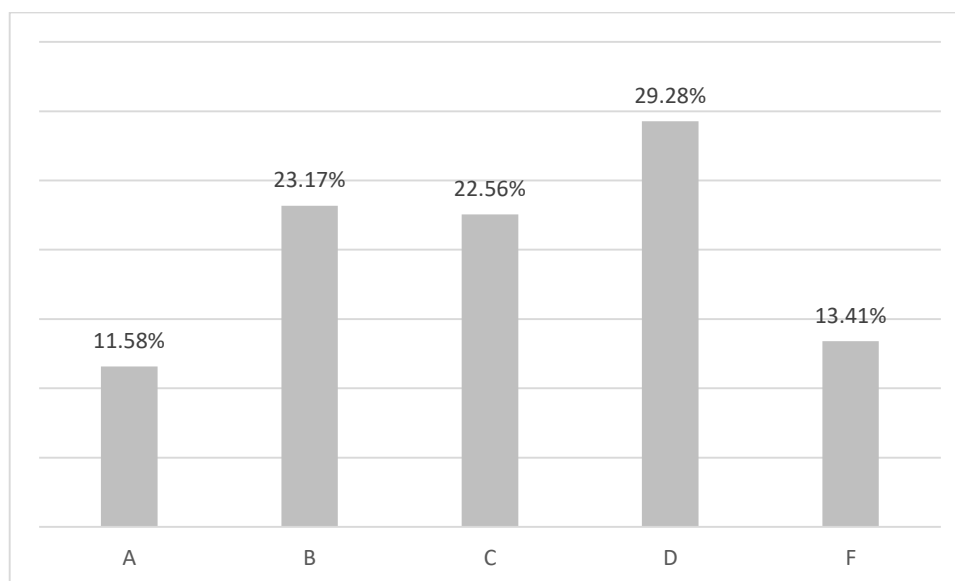
Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Radar System and Remote Sensing (ELC 433)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Three
- 4- Unit hours
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course: Prof .Dr. Magdy O.Tantawy
- 6- Course coordinator: Prof .Dr. Magdy O.Tantawy

B- Statistical Information:

		FALL	SPRING		SUMMER	
No. of students attending the course			No. <input type="text" value="286"/> ...100... %		No. <input type="text" value="21"/> ...100... %	
No. of students completing the course			No. <input type="text" value="236"/> 82.5%		No. <input type="text" value="20"/> ...95.23 %	
Results						
		FALL	SPRING		SUMMER	
			No.	%	No.	%
Passed	236		82.5	21	95.23	
Failed	50		17.48	1	4.76	
Grading of students						
		FALL	SPRING		SUMMER	
			No.	%	No.	%
A	4		1.39	0	0	
B	35		12.23	0	0	
C	60		20.97	8	38.09	
D	137		47.86	12	57.14	



C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecturer
<ul style="list-style-type: none"> Introduction to Radar systems 1. Basic Radars (pulse & CW radars)& Simple form of pulse radar equation. 2. Radar system (pulse & CW) – construction- block diagrams. 3. Application of radar systems (military & civilian). 	8	4	—	Prof. Dr. Magdy O. Tantawy
<ul style="list-style-type: none"> The Pulse Radar Range Equation 1. Receiver Noise & S/N. 2. Noise Figure & Effective Noise Temp. 3. Probability of detection and False Alarm. 4. Integration of radar echo pulses. 5. Target radar cross section fluctuation (Swerling Model). 6. De-correlation of target echos. 7. Analysis of parameters of radar equation. 8. Radar system losses. 9. Surveillance-Radar range Equation 	18	14	—	
<ul style="list-style-type: none"> 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. 	9	4	—	
<ul style="list-style-type: none"> Secondary Surveillance Radar: 1. Basic principles. 2. Problems with Secondary Surveillance Radar. 3. Multipath. 	4	4	—	

• Radar Subsystems			
1. Synchronizers	2	2	—
2. Radar transmitters			
3. Radar Receivers.			
• Remote Sensing Radar	4	2	—
Total Hours	45	30	—

Percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

None

3- Student assessment:

Written examination

Other assignments/class work

Mid-Term Exam

Total

Members of examination committee: Ass. Prof. Dr.Magdy O.Tantawy

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

Response of course team

- والتي تمكن الطالب من (Radar Antenna) سيتم تخصيص عدد (1:2) محاضرة للتعريف بالمعلومات المطلوبة ل Radar systems.(متابعة محتويات منهج ال)
- (هو جهاز يؤدي وظائف محددة ولكن يوجد معامل للعلوم Radar) حيث ان ال Radar لا يوجد معمل يسمى معمل ال (وهذه المعامل موجوده (microwave, Antenna, Signal processing) منها Radar التي تسمى علوم ال) بالاكاديمية.

6- Comments from external evaluator(s):

External evaluator: None.

7- 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

8- Action plan for academic year 2017 – 2018

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

Date: November 2017

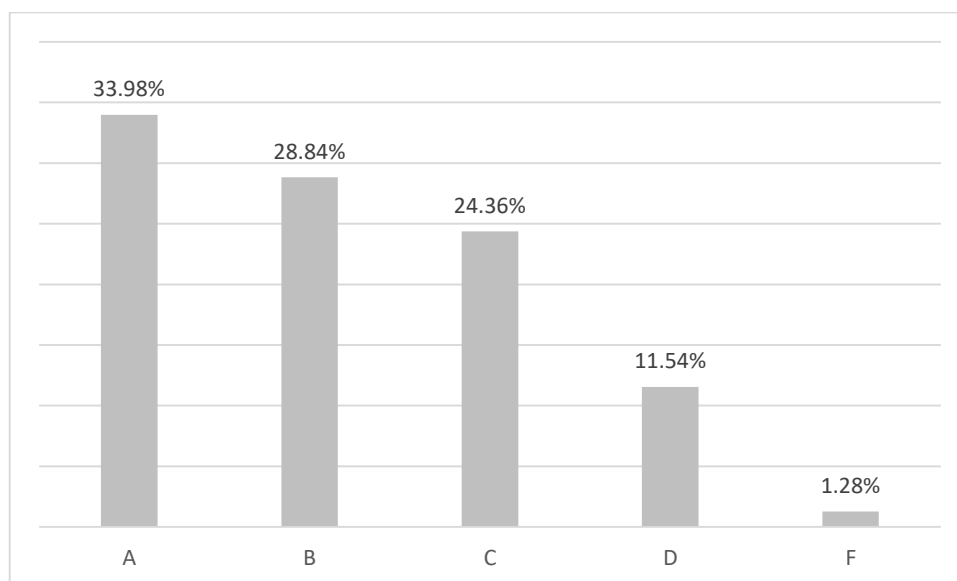
Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Very Large Scale Integrated Systems (VLSI Systems) (ELC 434)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Three
- 4- Unit hours
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course: Dr. Samir Kamal
- 6- Course coordinator: Dr. Samir Kamal

B- Statistical Information:

	FALL	SPRING		SUMMER	
No. of students attending the course		No. <input type="text" value="259"/>100 %	No. <input type="text" value="15"/>100 %
No. of students completing the course		No. <input type="text" value="247"/>	95.36%	No. <input type="text" value="15"/>100 %
Results					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
Passed		247	95.36	14	100
Failed		12	4.63	1	6.66
Grading of students					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
A		21	8.108	1	6.66
B		54	20.84	4	26.6
C		88	33.97	9	59.9
D		84	32.43	1	6.66



C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecturer
1. Introduction and VLSI.	2	2	2	Dr. Samir Kamal
2. Introduction to CMOS circuits	-	-	6	
3. MOS transistors switches	2	2	-	
4. CMOS Logic	4	2	-	
5. Circuit and system representations	2	3	8	
6. MOS transistor theory	-	-	-	
7. n and pMOS enhancement transistor	4	3	-	
8. MOS device design equations	3	4	-	
9. Complementary CMOS inverter-DC	3	2	-	
10. CMOS processing technology	-	-	8	
11. Silicon Semiconductor technology	2	2	-	
12. Basic CMOS technology	2	2	-	
13. CMOS process enhancements	2	2	-	
14. Layout design rules	2	2	-	
15. Circuit characterization and performance	2	4	6	
Total hours	30	15	30	

Percentage of the content specified:

>90 % 70-90 %



<70%



Reasons in detail for not teaching any topic

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 Power point slides

Practical training/ laboratory: Computer Lab installed by ORCAD and Micro wind software.

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

None

3- Student assessment:

Written examination	<input type="text" value="60 %"/>
Practical examination	<input type="text" value="20%"/>
Other assignments/class work	<input type="text" value="10%"/>
Mid-Term Exam	<input type="text" value="10 %"/>
Total	100 %

Members of examination committee: Ass. Dr. Samir Kamal

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

6- Comments from external evaluator(s):

External evaluator: None.

7- 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

8- Action plan for academic year 2016 – 2017:

Course coordinator: Dr. Samir Kamal

Date: Novemer 2017

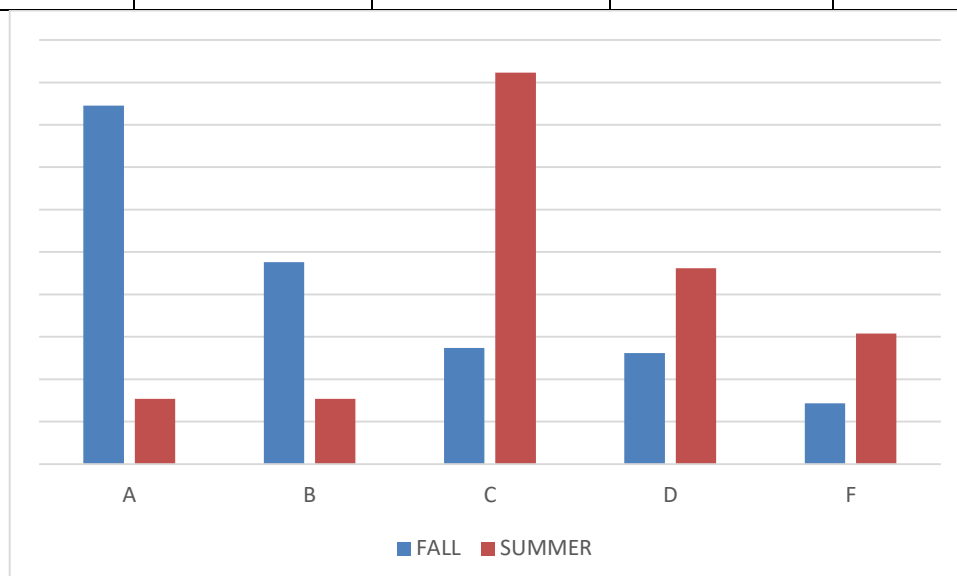
Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Project 1 (ELC 461)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Three
- 4- Unit hours 2
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course: Dr. Eman Mohammed Mahmoud
- 6- Course coordinator: Dr.Eman Mohammed Mahmoud

B- Statistical Information:

	FALL		SUMMER	
No. of students attending the course	No. <input type="text" value="168"/> %	No. <input type="text" value="20"/> 100 %
No. of students completing the course	No. <input type="text" value="168"/>	100%	No. <input type="text" value="20"/>	100%
Results				
	FALL		SUMMER	
	No.	%	No.	%
Passed	156	92.86	20	100
Failed	12	7.14	0	0
Grading of students				
	FALL		SUMMER	
	No.	%	No.	%
A	71	42.26	3	15
B	40	23.8	2	10
C	23	13.7	7	35
D	22	13.1	4	20



C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecturer
Introduction to the project	1	0	0	Dr. Eman Mohammed Mahmoud
Design amplifier using BJT	1	2	4	
Design oscillators <ul style="list-style-type: none"> • Sinusoidal (RC, LC) oscillators • Non Sinusoidal oscillators 	4	4	8	
Design basic analog and digital transceiver <ul style="list-style-type: none"> • AM and FM • ASK and FSK • PAM and PWM 	4	4	12	
Design ADC and DAC	2	2	2	
Design class A power amplifier	2	2	2	
Total hours	14	14	28	

Percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory: Project Lab.

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

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

None

3- Student assessment:

Assessment Method	Timing	Grade (Degrees)
Semester Work: <ul style="list-style-type: none"> • Hardware implementation • Seminars, Quizzes & Reports 	Bi-Weekly	30

Practical Exam	Fifteenth week	10
Written Exam	Sixteenth week	10
Oral Exam and Presentation	Seventeenth week	20
Technical report	Seventeenth week	10
Total		100

Members of examination committee: Ass.Dr. Eman Mohammed Mahmoud

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

Response of course team

6- Comments from external evaluator(s):

External evaluator: None.

7- Course enhancement:

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

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

Course coordinator: Dr. Eman Mohammed Mahmoud

Date: November 2017

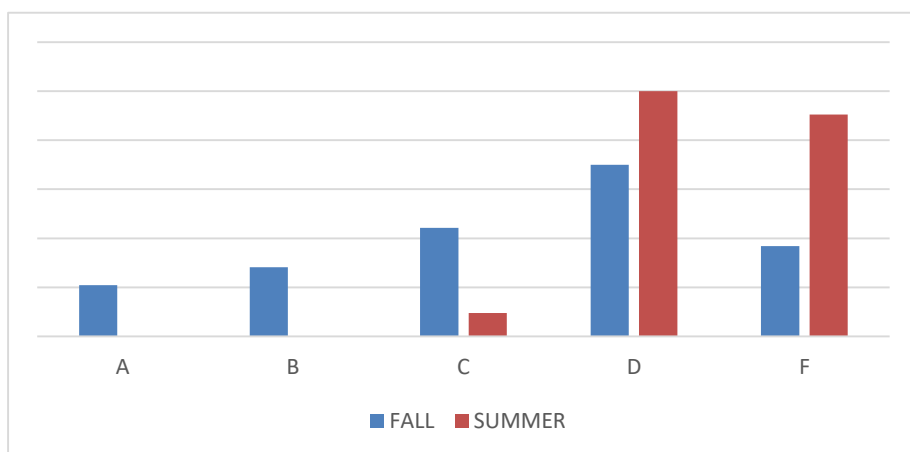
Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Electromagnetic Field Theory (ELC 423)
- 2- Program(s) on which this course is given: Electronic Eng. & Communications Tech. Dpt.
- 3- Year/Level of program: Level Three
- 4- Unit hours
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course: Dr. Muhammad El-Wakeel
- 6- Course coordinator: Dr. Muhammad El-Wakeel

B- Statistical Information:

	FALL		SPRING		SUMMER	
No. of students attending the course	No. <input type="text" value="163"/>	100 %	No. <input type="text" value="100"/>100 %	No. 18100%
No. of students completing the course	No. <input type="text" value="163"/>	100 %	No. <input type="text" value="73"/>	73%	No.1055%
Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	133	81.6	73	73	10	55.55
Failed	30	18.4	27	27	8	44.44
Grading of students						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
A	17	10.42	0	0	0	0
B	23	14.11	0	0	0	0
C	36	22.1	25	25	0	0
D	57	34.97	48	48	10	55.55



C- Professional Information:

Course Teaching:

Contents	Lecture hours	Tutorial hours	Lecturer
1- Basics concepts of Electrostatic field .	6	6	Dr. Muhammad El-Wakeel
2- Methods of Solution of electrostatic problems.	6	14	
3- The steady current field and resistance.	2	4	
4- Basics concepts and Laws of The steady magnetic field	3	4	
5-Solution of Steady Magnetic problems.	4	6	
6- Time varying field and Maxwell's equations Faraday's law and displacement current.	5	5	
7- Plane wave propagation in different media.	4	6	
Total hours	30	45	

Percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

Case Study:

Other assignments/homework:

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

None

3- Student assessment:

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

Members of examination committee: Ass. Dr. Muhammad El-Wakeel

- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

Response of course team

6- Comments from external evaluator(s):

External evaluator: None.

7- Course enhancement:

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

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

8- Action plan for academic year 2016 – 2017

Course coordinator: Dr. Muhammad El-Wakeel

Date: November 2017

Annual Course Report Academic year 2016-2017

A- Basic Information

- 1- Course Code & Title: (GEN 452) Environmental Effects of Electromagnetic Waves
 2- Program(s) on which this course is given:
 • Electronic Engineering and Communication Technology BSc Program
 3- Year/Level of program: Fourth Year/First Semester
 4- Credit hours
 Credit 2 hrs. Lectures 2 hrs. Tutorial 0 hrs. Practical 0 hrs.
 5- Names of lecturers contributing to the delivery of the course: Dr. Nagat Elmahdy
 6- Course coordinator: Dr. Nagat Elmahdy
 7- External evaluator: Non

B- Statistical Information

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

Results:

	No.	%
Passed	160	96.96
Failed	5	30.04

Grading of successful students:		
Grade	No.	%
Excellent	64	38.79
Very Good	55	33.33
Good	27	16.36
Pass	14	8.48

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➤ Maxwell's equations	1		
➤ Optical properties of electromagnetic waves	1		
➤ Physical properties of electromagnetic waves	1		
➤ Electromagnetic radiation	1		
➤ Electromagnetic waves spectrum	2		
➤ Antenna and transmission lines	2		
➤ Ground waves, sky waves, and space waves	3		
➤ Radio waves	1		
➤ Fading of electromagnetic waves	1		
➤ Applications of electromagnetic waves	1		
➤ Absorption of electromagnetic waves	1		
➤ Health and environmental effects of electromagnetic waves	3		
➤ Health and environmental effects of non-ionizing radiation	2		
➤ Radio frequency radiation	2		
➤ Microwave oven	1		
➤ Radar and human health	1		
➤ Infrared radiation health effect	2		
➤ Visible light health effect	1		
➤ Ultraviolet radiation health effect	1		
➤ International recommendations for radiation exposure	2		
Total hours	30		

Topics taught as a percentage of the content specified: >90 %

Reasons in detail for not teaching any topic: non

If any topics were taught which are not specified, give reasons in detail: Non

Achieved program intended learning outcomes, ILO's:

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
A1, A2, A5, A9, A11	B1, B2, B3, B4	Non	D1, D3, D4, D6, D7

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials and problem solving
 Practical training/ laboratory: Non
 Seminar/Workshop: Lecture
 Class activity Exercises; solution of problems and data show.
 Other assignments/homework: Bi-weekly assignments and reports
 If teaching and learning methods were used other than those specified, give reasons: Non

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	20	20
Mid-Term Exam	10	10
Total	100	100

Dr. Nagat Elmahdy, Dr Marwa Shoeb

Members of examination committee:

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered): Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	it is recommended to solve more exercises	Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments
(b)	The assignment are corrected without giving detailed comments concerning the correct answers	The correct results of problems solutions of problems will be presented during the exercises periods
(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s): Non

8- Written Exam Evaluation

- High success percentage in the good level of the final written exam.
- The whole exam result shows considerable weakness in report writing.

9- Course enhancement:

Progress on actions identified in the previous year's action plan. State whether or not completed and give reason for any non-completion:

Actions required	Planned Completion date	Accomplishment
(f) Add more questions and data show	December 2016	More questions and sheets were added to the course

10- Action plan for academic year 2017– 2018

Actions required	Completion date	Person responsible
1. adding more assignments reports and quizzes	December 2016	Dr. Nagat Elmahdy

Course coordinator: Dr. Nagat Elmahdy

Date: September 2017

Fourth Level

Term	Code	Subject
First Term	ELC 523	Communications-3 (Inf. Theory and Coding)
	ELC 562	Project-2.(First Stage)
	ELC 524	Radio and Television Engineering Systems.
	ELC 422	Digital Signal Processing.
	ELC 535	Elective Communications No.3. "Microwave Circuit and Devices"
Second Term	ELC 521	Antennas and Wave Propagation.
	ELC 522	Communications-4 (Advanced Communications Systems)
	ELC 565	Project-2 (Second Stage).
	ELC 564	Industrial Tranning-2
	ELC 537	Elective Communications No.4-1 "Communications Networks"
	ELC 432	Elective Communications No.4-2 "Optical Fiber Communications"

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Digital Signal Processing - (ELC 422)
- 2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.
- 3- Year/Level of program: Level 4 / 1stSemester
- 4- Unit hours 3
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course: Dr. Samir Kamal
- 6- Course coordinator: Dr. Samir Kamal
- 7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING		SUMMER	
No. of students attending the course	No. <input type="text" value="151"/>		No. <input type="text" value="0"/>		No. <input type="text" value="3"/>	
No. of students completing the course	No. <input type="text" value="151"/>	100%	No. <input type="text" value="0"/>	100%	No. <input type="text" value="3"/>	100%
Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	150	99.338	0	0	3	100
Failed	1	0.662	0	0	0	0
Grading of students						
	FALL		SPRING		SUMMER	
Grads.	No.	%	No.	%	No.	%
+A	1	0.662			0	0
A	2	1.325			0	0
-A	17	11.258			0	0
+B	25	16.556			0	0
B	35	23.179			0	0
+C	24	15.894			1	33.333
C	15	9.934			1	33.333
+D	8	5.298			1	33.333
D	13	8.609			0	0
-D	10	6.623			0	0
F	1	0.662			0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecturer
• Signal, system and signal processing	2	1	2	Dr. Samir Kamal
• Classification of signals	2	-	2	
• The concept of frequency in continuous-time and discrete-time signals	2	-	2	
• Analog-to-digital and digital-to-analog conversion	2	-	2	
• Fourier series (FS) and Fourier Transform (FT)	2	1	2	
• Discrete Fourier Transform (DFT) and its inverse	3	4	4	
• Computational complexity of the DFT	4	4	2	
• Auto-correlation, Cross-correlation, and	4	6	4	
• Z- transform and its inverse	6	4	-	
• Properties of the Z-transform	4	-	-	
• Application of Z-transform in DSP	4	4	-	
• Design of the digital filters	-	6	2	
• Types of the digital filters and choosing between	2	-	-	
• FIR filter design	4	-	4	
• IIF filter design	4	-	4	
Total	45	15	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:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

Total

Members of examination committee: Dr. Samir Kamal and Prof. Mostafa Afifi

Role of external evaluator: None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

.Yes.
.....
.....
.....

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered

➤ None

6- Student evaluation of the course:

List any criticisms	Response of course team
الشرح بدون دتا شو افضل لجذب الانتباه في المحاضرة	استخدام الداتا شو محدود جدا في تدريس المادة
الكلام اثناء المعمل وعدم السيطرة على الطلبة	تم التنبيه على معيدى المعمل بزياده السيطرة على الطلبة و هذه الملحوظة لم تصل لاستاذ المقرر من أى طالب خلال الفصل الدراسى.

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr. Samir Kamal

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- **Title and code:** Microwaves Circuits and Devices - (ELC 535)
- 2- **Program(s) on which this course is given:** Electronic Engineering & Comm. Tech. Dpt.
- 3- **Year/Level of program:** Level 4 / 1stSemester
- 4- **Unit hours 2**
Lectures 2 hrs Tutorial 1 hrs Practical 2 hrs Total 3hrs
- 5- **Names of lecturers contributing to the delivery of the course:** Prof. Dr. Mokhtar Abdel Halim
- 6- **Course coordinator:** Dr. Mokhtar Abdel Halim
- 7- **External evaluator:** Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING		SUMMER	
No. of students attending the course	No. 133		No. 8		No. 7	
No. of students completing the course	No. 133 100%		No. 8 100%		No. 7 100%	
Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	125	93.985	8	100	7	100
Failed	8	6.015	0	0	0	0
Grading of students						
	FALL		SPRING		SUMMER	
Grads.	No.	%	No.	%	No.	%
+A	1	0.752	0	0	0	0
A	1	0.752	0	0	0	0
-A	3	2.256	0	0	0	0
+B	6	4.511	0	0	0	0
B	7	5.263	0	0	1	14.286
+C	20	15.038	0	0	0	0
C	25	18.797	5	62.500	3	42.857
+D	23	17.293	3	37.500	1	14.286
D	19	14.286	0	0	1	14.286
-D	20	15.038	0	0	1	14.286
F	8	6.015	0	0	0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	
1- Microwave Resonators	2	1	2	Dr. Mokhtar Abdel Halim
2- Microwave Circuits Voltage and Current	2	1	2	
3- Z-matrix and Y-matrix	2	1	2	
4- Scattering Matrix	2	1	2	
5- Power in Microwave Circuits	2	1	2	
6- Passive Microwave Devices	2	1	2	
7-Waveguide devices and termination	2	1	2	
8- Directional Couplers	2	1	2	
9- Isolator and Circulators	2	1	2	
10- Hybrid Junctions and Micro strip circuits	2	1	2	
11- Microwave Klystrons and Magnetrons	2	1	2	
12- Microwave Semiconductors Circuits	2	1	2	
13- Negative Resistance Diodes	2	1	2	
14- Parametric Amplifiers	2	1	2	
15- Microwave Oscillators	2	1	2	
Total hours	30	15	30	

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:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

Written examination	<input type="text" value="60 %"/>
Practical examination	<input type="text" value="20 %"/>
Other assignments/class work	<input type="text" value="7 %"/>
Mid-Term Exam	<input type="text" value="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

وقت السكشن غير كافي ساعه واحده اسبوعيا ومطلوب زياده الوقت.

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 2017 – 2018

Two microwave generators were added to the lab at 1/10/2016

تنص اللائحه على ساعه واحده ويقوم القسم بعمل مراجعات فى نهايه الفصل الدراسى

Course coordinator: Dr. Mokhtar Abdel Halim

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- Title and code: Radio & TV Engineering - (ELC 524)
- 2- Program(s) on which this course is given: Electronic Engineering & Comm. Tech. Dpt.
- 3- Year/Level of program: Level 4 / 1stSemester
- 4- Unit hours 2
Lectures Tutorial Practical Total
- 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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No. <input type="text" value="164"/>		No. <input type="text" value="9"/>	
No. of students completing the course	No. <input type="text" value="164"/> 100%		No. <input type="text" value="9"/> 100%	
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	155	94.512	9	100
Failed	9	5.488	0	0
Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A	1	0.610	0	0
A	3	1.829	0	0
-A	7	4.268	0	0
+B	16	9.756	0	0
B	26	15.854	0	0
+C	29	17.683	0	0
C	24	14.634	5	55.556
+D	18	10.976	2	22.222
D	16	9.756	1	11.111
-D	15	9.146	1	11.111
F	9	5.488	0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecture
• Introduction to needs for modulation	2	1	2	Prof. Dr. Saeid Baiomy.
• How radio system started and developed	2	1	2	
• Kinds of radio systems and comparison	4	1	2	
• Radio system design fundamentals	8	1	2	
• Radio circuits design	10	1	2	
• Advantages of stereo system VS. mono	2	1	2	
• Structure stereo signal and system.	4	1	2	
• The human eye response to colors	2	1	2	
• Prime colors and color mixing fundamentals	4	1	2	
• Photometric measurements & color matrix	4	1	2	
• TV camera and construction of color signal	4	1	2	
• Scanning and synchronization	4	1	2	
• TV receiver structure and analysis	6	1	2	
• TV-tubes color picture demonstration	4	1	2	
TOTAL	60	15	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:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

Total

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

5- Administrative constraints

List any difficulties encountered

- Contact hours are not enough because the tutorial hour is biweekly

6- Student evaluation of the course:

List any criticisms

- د. د. سعيد بيومي من الناحية الشخصية لة كل احترام وتقدير ومن الناحية العلمية فهو قمة من قامات العلم.
- في السكشن غير متناسق مع المحاضرة - تأخر السكشن عن المحاضرة .
- عدم وضوح المادة وشرحها بالترتيب
- المعمل غير مجهز / التجارب لاتعمل
- انة من اعظم الدكاترة وانة من الخبرة العلمية والادابية فوق مستوى الاحترام واشكرة شكراً كبيراً على مجهودة.

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 2017– 2018

Add LED and LCD systems analysis.

Course coordinator: Prof. Dr. Saeid Baiomy.

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- **Title and code:** Communication System III - (ELC 523)
- 2- **Program(s) on which this course is given:** Electronic Engineering & Comm. Tech. Dpt.
- 3- **Year/Level of program:** Level 4 / 1stSemester
- 4- **Unit hours 2**
Lectures Tutorial Practical Total
- 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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No.	<input type="text" value="152"/>	No.	<input type="text" value="0"/>
No. of students completing the course	No.	<input type="text" value="152"/> 100%	No.	<input type="text" value="0"/> 100%
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	151	99.342		
Failed	1	0.658		
Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A	36	23.684		
A	27	17.763		
-A	28	18.421		
+B	19	12.500		
B	15	9.868		
+C	8	5.263		
C	10	6.579		
+D	6	3.947		
D	1	0.658		
-D	1	0.658		
F	1	0.658		

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecture
1- Introduction to digital communication system stages.	4	2	2	Dr. Nelly Muhammad Hussein
2- The concept of information theory.	6	2	0	
3- Types of information sources – symbols information – source entropy.	6	4	2	
4- Characteristics of source codes.	4	2	0	
5- Source coding using tree and Huffman methods.	6	4	2	
6- Introduction to channel coding concept of Hamming coding	8	4	3	
7- Concept of cyclic coding techniques (systematic and non-	6	4	2	
8- Convolutional encoder design and analysis.	6	2	2	
9- Convolutional decoding using Viterbi's algorithm.	6	2	2	
10- Discrete memory-less channel model.	4	2	0	
11- Probability of error calculation for discrete channel.	4	2	0	
Total hours	60	30	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:

Practical training/ laboratory

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

Total

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 system applications and sometimes lecture duration is not enough for all students' questions.
- Communications students need to have more courses in digital communications field.

6- Student evaluation of the course:

List any criticisms

- المعيدة مي بتتعامل مع الطلبة بطريقة سخيفة جداً - عدم توضيح توزيع الدرجات
- الدكتور مش بتشرح من الكتاب الجامعة اصلاً - المعمل :- الأجهزة البرامج مش أصلية
- تزويد المعمل ببعض التجارب العملية التي تكون أكثر وضوحاً
- أجهزة الحاسب غير ماهرة للاستخدام - معيد السكشن لاتتيح لقدر أكبر من الأسئلة
- المادة عبارة عن دراسة فقط والربط بينها وبين الشغل العمل محدود
- احنا مستخدمناش الكتاب خالص طول الترم - تجهيز المعامل بصورة احسن من كدة وتكون البرامج شغالة
- المراجعة على الأفكار الأساسية والمقارنة بين أجزاء كل درس من حيث الأنواع والاختلافات والمميزات والعيوب

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

Insertion of two lectures at the beginning of the course to discuss principles of digital communications.

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

9- Action plan for academic year 2017 – 2018

Reduction of the theoretical part in lecture in order to give more time to exercises.

Course coordinator: Dr. Nelly Muhammad Hussein.

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- **Title and code:** Optical Fiber Communications - (ELC 432)
- 2- **Program(s) on which this course is given:** Electronic Engineering & Comm. Tech. Dpt.
- 3- **Year/Level of program:** Level 4 / 2stSemester
- 4- **Unit hours 2**
Lectures Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course:** Dr. Abdel MoneamElmahdy
- 6- **Course coordinator:** Dr. Abdel Monem Elmahdy
- 7- **External evaluator:** Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No. <input type="text" value="0"/>		No. <input type="text" value="5"/>	
No. of students completing the course	No. <input type="text" value="0"/> 100%		No. <input type="text" value="5"/> 100%	
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed			5	100
Failed			0	0
Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A			1	20
A			0	0
-A			4	80
+B			0	0
B			0	0
+C			0	0
C			0	0
+D			0	0
D			0	0
-D			0	0
F			0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecture
• Fiber Optics communication system	4	1	1	Dr. Abdel Monem Elmahdy
• Optic & light wave fundamentals	3	-	-	
• Integrated optic wave Guides	10	2	2	
• Optic Fiber W.G	9	3	3	
• Light sources	4	2	2	
• Light detectors	5	2	2	
• Noise & Detection	5	3	3	
• System design	5	2	2	
TOTAL	45	15	15	

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

Some experimental applications to be carried out by the students as competition for new ideas.

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

Written examination	<input type="text" value="60 %"/>
Practical examination	<input type="text" value="20 %"/>
Other assignments/class work	<input type="text" value="10 %"/>
Mid-Term Exam	<input type="text" value="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

- 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 2017– 2018:

- We are going to change and rearrange the academy book.
- The subject of the course is related to an engineering application in the field of communication technology but depends upon physical basics in electronics, optics, and wave propagation.
- The opinion of the students is trivial.

Course coordinator: Dr. Abdel Moneam Elmahdy

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- **Title and code:** Antennas & Waves Propagation - (ELC 521)
- 2- **Program(s) on which this course is given:** Electronic Engineering & Comm. Tech. Dpt.
- 3- **Year/Level of program:** Level 4 / 2nd Semester
- 4- **Unit hours 2**
Lectures Tutorial Practical Total
- 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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING		SUMMER	
No. of students attending the course	No. <input type="text" value="0"/>		No. <input type="text" value="139"/>		No. <input type="text" value="7"/>	
No. of students completing the course	No. <input type="text" value="0"/> 100%		No. <input type="text" value="139"/> 100%		No. <input type="text" value="7"/> 100%	
Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed			135	97.122	7	100
Failed			4	2.878	0	0
Grading of students						
	FALL		SPRING		SUMMER	
Grads.	No.	%	No.	%	No.	%
+A			1	0.719	0	0
A			5	3.597	1	14.286
-A			13	9.353	0	0
+B			17	12.230	0	0
B			26	18.705	2	28.571
+C			29	20.863	0	0
C			15	10.791	1	14.286
+D			8	5.755	0	0
D			9	6.475	1	14.286
-D			12	8.633	2	28.571
F			4	2.878	0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecturer
Introduction to antennas	4	-	-	Dr. Muhammad El-Wakeel
Basic antenna parameters	8	3	-	
Measurement Techniques of antenna parameters	2	-	2	
Mathematical tools for antenna analysis and design	6	-	-	
Wire antennas:	-	-	-	
Dipole (infinitesimal, small, finite length, long)	6	3	3	
Loop antenna (circular and square)	2	1	6	
Special types of wire antennas (Helix and Yagi)	2	1	6	
Aperture antennas:	-	-	-	
Rectangular and circular aperture	4	1	1	
Microstrip antennas	2	1	4	
Horn antennas	2	2	4	
Reflector antennas	3	1	1	
Array antennas:	-	-	-	
Two elements array	2	1	1	
N-element linear array of uniform amplitude and spacing	2	1	2	
Total hours	45	15	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:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

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

- Students level in mathematics is very weak (differentiations and integration equations and vector analysis)
- Student attend attendance is only 40% in the lecture.

6- Student evaluation of the course:

List any criticisms

- شرح الدكتور الدتور غير مفهوم - الأجهزة في المعمل لا تعمل - المنهج لا يكفي الفترة الزمنية للترم
- يجب ان يكون الدكتور في سن يتناسب مع أسلوب تفكير الطلاب والتعامل معهم - ان يكون قادر على الشرح ومقارنة مع
- الدكتور الوكيل :- دكتور قامة عظيمة وعلى مستوى عظيم من العلم ولكن غير قادر الان على توضيح المادة بشكل مناسب وتلسس وواضح ..
- أصبحت طريقة شرح غير مرتبة وغير منظمة
- الغاء المادة او تغيير الدكتور
- يجب توفر معيدين لديهم 3DSimulaton-تعتبر المادة قامة على تخيل بعض الرسومات ولايتوفر اى من ال الخبرة
- الكافية لاستعاب المنهج - تجهيزات المعمل سيئة
- كتاب المعمل لايشرح فية اى شيء- تجهيزات المعمل سيئة جداً - لا بد من وجود وسائل توضحية مع الشرح
- المادة غير واضحة ولا يوجد استفادة منها
- درجات الحضور بتتخط بالحب
- الدكتور يحتد على الطلاب عندما يناقشة في غلط في الكتاب
- بيدي اعمال السنة غلط - وعندة غلطات كثير في تصحيح الامتحانات
- ربط شرح الدروس بالعناوين والتدريج المنطقى للشرح ((العناوين

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 2017– 2018

Comment: students level in math is low.

Lab need: -Fund to repair some faulty equipment.

-Book will be revised to simplify subjects.

-Oral discussion for home assignments is must.

Course coordinator: Dr. Muhammad El-Wakeel

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- **Title and code:** Advanced Communication Systems - (ELC 522)
- 2- **Program(s) on which this course is given:** Electronic Engineering & Comm. Tech. Dpt.
- 3- **Year/Level of program:** Level 4 / 2ndSemester
- 4- **Unit hours 2**
Lectures Tutorial Practical Total
- 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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No. <input type="text" value="0"/>		No. <input type="text" value="139"/>	
No. of students completing the course	No. <input type="text" value="0"/> 100%		No. <input type="text" value="139"/> 100%	
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed			133	95.683
Failed			6	4.317
Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A			0	0
A			1	0.719
-A			4	2.878
+B			8	5.755
B			3	2.158
+C			18	12.950
C			27	19.424
+D			30	21.583
D			14	10.072
-D			28	20.144
F			6	4.317

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecturer
• Introduction to telephone sets.	2	1	1	Prof. Dr. Saeid Baiomy.
• Digital telephone and switching.	4	1	2	
• Hierarchical systems and framing.	4	1	2	
• Satellite orbits and orbital parameters	2	1	2	
• Basic transmission concepts.	2	2	2	
• Link parameter and effect of noise.	4	1	2	
• Satellite transponder and antenna.	4	1	4	
• Multiple access techniques.	8	1	2	
• Spectral efficiency and	4	1	2	
• Evaluation of mobile comm..	2	1	2	
• GSM – structure and features.	6	1	2	
• Cellular concepts and advanced.	2	1	1	
• Spread spectrum techniques.	8	1	4	
• Procedures of mobile comm..	8	1	2	
• TOTAL	60	15	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:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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, attendance reports and evaluation of reports about selected topics.

Written examination	<input type="text" value="60 %"/>
Practical examination	<input type="text" value="20 %"/>
Other assignments/class work	<input type="text" value="10 %"/>
Mid-Term Exam	<input type="text" value="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

- الدكتور يتعامل مع الطلبة بكل احترام ويتيح قدر عالي من الأسئلة للطلبة
- د/ سعيد من افضل الأساتذة في الاكاديمية علماً مطلقاً
- المعيدة لاتستطيع السيطرة على السكشن
- سكشن سيء للغاية - معيدة غير قادرة على شرح - منهج سيء للغاية ليس لة اى قيمة - جزء اتشرح في بداية الدراسة
- المعيدة غير قادرة على إدارة السكشن والسيطرة على الطلبة اثناء الشرح وغير قادرة على توصيل المعلومة بشكل كامل
- الكتاب مش بفتححة أصلا - المعيدة ملهاش لازمة - كتاب المعمل متفتحش لدرجة مش فهميين احنا بندرس اية اصلا
- الدكتور كبير في السن ومش قادر يشرح - المعيدة مها مش فاهمة اى حاجة في المنهج وحافظة - بس ومش عارفة تشرح
- المنهج مش معروف كل الحاجات قديمة درسناها قبل كدة

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 2017– 2018

Add a part about communication networks.

Course coordinator: Prof. Dr. Saeid Baiomy

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Project 2 - (ELC 562)

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

3- Year/Level of program: Level 4 / 1st Semester

4- Unit hours 2

Lectures Tutorial Practical Total

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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No. <input type="text" value="156"/>		No. <input type="text" value="0"/>	
No. of students completing the course	No. <input type="text" value="156"/> 100%		No. <input type="text" value="0"/> 100%	
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	156	100		
Failed	0	0		
Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A	114	73.077		
A	22	14.103		
-A	6	3.846		
+B	8	5.128		
B	6	3.846		
+C	0	0		
C	0	0		
+D	0	0		
D	0	0		
-D	0	0		
F	0	0		

C- Professional Information:

1 – Course teaching:

Topic	Lecture Hours	Tutorial hours	Practice hours	Lecturer
Project Background	6			Projects distributed among the teaching Staff
Project Activities	10			
Practical implementation		10	20	
Production of the final model		10	20	
Testing and correcting output		10	20	
Preparation of the presentation	10			
Total hours	26	30	60	

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: 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:

Response of course team

List any criticisms: None

7- Comments of external evaluator:

المقرر به عدد كبير من المخرجات

8- Response to external evaluator comments:

المقرر يتناول جميع التخصصات بالقسم لتنوع موضوع المشروع

9- 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

10- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
Data show must to graduation projects	20/ 8 /2018	teaching Staff

Course coordinator: Projects distributed among the teaching Staff

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Project 2 - (ELC 565)

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

3- Year/Level of program: Level 4 / 2nd Semester

4- Unit hours 2

Lectures Tutorial Practical Total

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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No. <input type="text" value="0"/>		No. <input type="text" value="156"/>	
No. of students completing the course	No. <input type="text" value="0"/> 100%		No. <input type="text" value="156"/> 100%	
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed			156	100
Failed			0	0
Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A			79	50.641
A			55	35.256
-A			10	6.410
+B			10	6.410
B			1	0.641
+C			0	0
C			1	0.641
+D			0	0
D			0	0
-D			0	0
F			0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture Hours	Tutorial hours	Practice hours	Lecturer
Project Background	6			Projects distributed among the teaching Staff
Project Activities	10			
Practical implementation		10	20	
Production of the final model		10	20	
Testing and correcting output		10	20	
Preparation of the presentation	10			
Total hours	26	30	60	

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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	<input type="text" value="25"/>
Instructor Evaluation	<input type="text" value="25"/>
Practical exam/report	<input type="text" value="25"/>
Discussion	<input type="text" value="25"/>
Summer training	<input type="text" value="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:

Response of course team

List any criticisms: None

7- Comments of external evaluator:

المقرر به عدد كبير من المخرجات

8- Response to external evaluator comments:

المقرر يتناول جميع التخصصات بالقسم لتنوع موضوع المشروع

9- 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

10- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
Data show must to graduation projects	20/ 8 /2018	teaching Staff

Course coordinator: Projects distributed among the teaching Staff

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Industrial Training -2 - (ELC 564)

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

3- Year/Level of program: Level 4 / 2ndSemester

4- Unit hours 2

Lectures Tutorial Practical Total

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

Projects distributed among the teaching Staff

6- Course coordinator: Dr. Nelly Muhammad Hussein

7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No. <input type="text" value="0"/>		No. <input type="text" value="0"/>	
No. of students completing the course	No. <input type="text" value="0"/> 100%		No. <input type="text" value="0"/> 100%	
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed				
Failed				
Grading of students				
	FALL		SPRING	
Grads.	No.	%	No.	%
+A				
A				
-A				
+B				
B				
+C				
C				
+D				
D				
-D				
F				

C- Professional Information:

1 – Course teaching:

Topic	Lecture Hours	Tutorial hours	Practice hours	Lecturer
Project Background	6			Projects distributed among the teaching Staff
Project Activities	10			
Practical implementation		10	20	
Production of the final model		10	20	
Testing and correcting output		10	20	
Preparation of the presentation	10			
Total hours	26	30	60	

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: 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	10
Instructor Evaluation	20
Practical exam/report	10
Discussion	40
Summer training	20
Total	100

Members of examination committee: Projects distributed among the teaching Staff

5- Administrative constraints

List any difficulties encountered None

6- Student evaluation of the course:

Response of course team

List any criticisms: None

7- Comments of external evaluator:

المقرر به عدد كبير من المخرجات

8- Response to external evaluator comments:

المقرر يتناول جميع التخصصات بالقسم لتنوع موضوع المشروع

9- 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

10- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
Data show must to graduation projects	20/ 8 /2018	Dr. Nelly M. Hussein

Course coordinator: Dr. Nelly Muhammad Hussein

Date: November 2017

Annual Course Report (Academic Year 2016-2017)

A- Basic Information:

- 1- **Title and code:** Communication Networks - (ELC 537)
- 2- **Program(s) on which this course is given:** Electronic Engineering & Comm. Tech. Dpt.
- 3- **Year/Level of program:** Level 4 / 2stSemester
- 4- **Unit hours 2**
Lectures Tutorial Practical Total
- 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. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING		SUMMER	
No. of students attending the course	No. <input type="text" value="0"/>		No. <input type="text" value="134"/>		No. <input type="text" value="3"/>	
No. of students completing the course	No. <input type="text" value="0"/> 100%		No. <input type="text" value="134"/> 100%		No. <input type="text" value="3"/> 100%	
Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed			132	98.50	3	100
Failed			2	1.493	0	0
Grading of students						
	FALL		SPRING		SUMMER	
Grads.	No.	%	No.	%	No.	%
+A			6	4.478	0	0
A			15	11.194	0	0
-A			27	20.149	0	0
+B			28	20.896	2	66.667
B			15	11.194	0	0
+C			11	8.209	0	0
C			12	8.955	0	0
+D			12	8.955	1	33.333
D			5	3.731	0	0
-D			1	0.746	0	0
F			2	1.493	0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecture
1- Introduction to digital communication system stages.	4	2	2	Dr. Nelly Muhammad Hussein
2- The concept of information theory.	6	2	0	
3- Types of information sources – symbols information – source entropy.	6	4	2	
4- Characteristics of source codes.	4	2	0	
5- Source coding using tree and Huffman methods.	6	4	2	
6- Introduction to channel coding concept of Hamming coding	8	4	3	
7- Concept of cyclic coding techniques (systematic and non-	6	4	2	
8- Convolutional encoder design and analysis.	6	2	2	
9- Convolutional decoding using Viterbi's algorithm.	6	2	2	
10- Discrete memory-less channel model.	4	2	0	
11- Probability of error calculation for discrete channel.	4	2	0	
Total hours	60	30	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:

Practical training/ laboratory

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

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 system applications and sometimes lecture duration is not enough for all students' questions.
- Communications students need to have more courses in digital communications field.

6- Student evaluation of the course:

List any criticisms

- ياريت الدكتور يكون ملم بالعالم الخارجي للمادة وليس الكلام النظري
يرعى الاهتمام بالمحتوى التعليمى والربط بسوق العمل ومطالب الحياة العملية وليس
الدراسية بمعناة التقليدي

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

Insertion of two lectures at the beginning of the course to discuss principles of digital communications.

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

9- Action plan for academic year 2017 – 2018

Reduction of the theoretical part in lecture in order to give more time to exercises.

Course coordinator: Dr. Nelly Muhammad Hussein.

Date: November 2017