Electronic Engineering and Communication Technology B.Sc. Program Report (2015 – 2016)- *By law 2012*

Content

1. General

1.1 Basic Information

1- **Program title:** Electronic Engineering and Communication Technology.
2- **Program type:** Single.
3- **Department offering the program:** Electronic Engineering and Communication Technology.
4- **Co-coordinator:** Prof. Dr. Mokhtar Abdel Halim.
5- **External evaluators:**
- **Prof. 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:

First 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

Second 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

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	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

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

Comments of external evaluator and other stakeholders

a- Comments of stakeholders:

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

b- Comments of external evaluator

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

2.3 Achievement of program aims

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

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

Comments of stakeholders:

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

2.5 Quality of teaching and learning

Comments of external evaluator and other stakeholders including students

- The Academy adopt methods of teaching and learning based on traditional patterns of education courses that meet the goals and targets that are taught in accordance with the approved list.
- The formation of a committee of faculty members to study the distribution of subjects on the members of staff in accordance with the teaching specialty to ensure the quality of teaching and learning.
- The diversity in summer training programs according to the variables and labor market needs and requirements of the parties outside the academy.
- The development of strategies and announcements of the Department through regular weekly meetings with faculty members and teaching assistants to develop and discuss the plan of action and put forward solutions to problems that are reviewed.
- Some of the decisions are being taken corrective performance in the department as the results of self-evaluation.
- Ongoing work of the internal audit and continuous assessment tasks.

2.6 Effectiveness of student support systems

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

- The department is interested in the students' support, despite of the growing numbers of students entering the department through the following:
- Divide the students of the same level into groups and the distribution of the studying schedule to optimize the use of lecture halls and drawing rooms
- Motivate outstanding students to participate in cultural activities and attending scientific conferences and by giving additional marks.
- A system was developed to solve the problems of students through the distribution of the responsibility on the faculty members to quickly resolve the problem and follow-up the complaints and to respond in a specific period.
- The periodic meeting with students' representatives to quickly solve problems of students.
- There is a schedule of final revision for the studied courses at the end of each semester to assist low and middle caliber students.
- Students are helped in the case of special circumstances such as cases of the disease, the death of a parent, injuries during an incident, by taking into account the circumstances of each case in providing the requirements of this year, especially in materials that rely on semester marks and attendance.
- Encourage students to manage, and organize cultural activities
- Establishing a database for students and save all the data and grades of the year in electronic archive for each student

2.7 Learning resources

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

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

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

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

C. Availability and adequacy of program handbook

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

D. Adequacy of library facilities.

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

E. Adequacy of laboratories

The department has two computer laboratories each of 60 computers.

F. Adequacy of computer facilities

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

G. Adequacy of field/practical training resources

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

H. Adequacy of any other program needs

None

2.8 Quality management

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

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

The results of self-evaluation and quality management

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

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

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

Strengthening activities for Quality Management

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

Strengthening the quality management in the department through:

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

B. Effectiveness of the system

The quality management system is effective since there are:

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

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

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

D. Effectiveness of program external evaluation system:

I- External evaluators

The department program is evaluated by two qualified external evaluators.

II- Students

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

III- Other stakeholders

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

E. Faculty response to student and external evaluations

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

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

3. Proposals for program development

A. Program structure (units/credit-hours)

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

B. Courses, deletions and additions and modifications

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

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

C. Staff development requirements

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

4. Progress of previous year's action plan:

- 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. Mokhtar Abdel Halim.*

Signature:

Appendix 1
Annual Course Report
(2015-2016)- *By law 2012*

1st 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 2015-2016

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 Gouda

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

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**1275**	**100 %**
No. of students completing the course:	**No.**	**1178**	**%**

Results:

	No.	%
Passed	1019	
Failed	159	

Grading of successful students:		
Grade	No.	%
Excellent	287	
Very Good	253	
Good	259	
Pass	220	

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Gas low 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

Prof. Dr. Shaban Ragab Gouda

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 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): 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 reaso for any non-completion:

Actions required	Planned Completion date	Accomplishment
(a) Add more experiments to chemistry Laboratory	December 2015	Two experiments are already added on September 2015.One more is planned for May 2016

10- Action plan for academic year 2015 – 20167

Actions required	Completion date	Person responsible
1. adding more assignments reports and quizzes for Chapters 10 and 11	December 2015	Prof. Dr. Shaban Rageb

Course coordinator: Prof. Dr Shaban Rageb

Signature:

Date: September 2016

Annual Course Report

Academic year 2015-2016

A- Basic Information

1- Course Code & Title: (GEN 141) قضايا اجتماعية معاصره

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

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

No. of students attending the course:	**No.**	**1256**	**100 %**
No. of students completing the course:	**No.**	**1146**	**%**

Results:

	No.	%
Passed	1037	
Failed	109	

Grading of successful students:		
Grade	No.	%
Excellent	290	
Very Good	247	
Good	256	
Pass	244	

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 القياده –اساليب ترشيد الموارد – الابتكار وتجديد الموارد – الحوافز الخاصة بافراد المجتمع – اساليب تقييم المشروعات)			
(بناء الاسرة – تكوين الاسرة – التنشئة الاجتماعية – النسق الاسري والانساق الاخري – المؤسسات التقليدية والحديثة الخاصة بالاسرة)			
(مهارات العمل الجماعي – اهمية العمل الفريقي – الفارق بين العمل الجماعي والفريقي – 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
Non

Role of external evaluator:

4- Facilities and teaching materials:

Totally adequate	Yes

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 دراستة للتخصص
(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 الفريقي او الاقناع

7- Comments from external evaluator(s): 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 reaso for any non-completion:

9- Action plan for academic year 2016– 2017

Actions required	Completion date	Person responsible
Non	January 2016	Dr. shimaa nabih

Course coordinator: Prof. Dr. شيماء نبيه

Signature:

Date: January 2016

Annual Course Report

Academic year 2015-2016

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

No. of students attending the course:	**No.**	**518**	**100 %**
No. of students completing the course:	**No.**	**488**	**94.2 %**

Results:

	No.	%
Passed	443	88.72
Failed	45	9.22

Grading of successful students:		
Grade	No.	%
Excellent	35	7.9,
Very Good	68	15.34
Good	150	33.86
Pass	235	53.04

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
➢ **Computer Hackers**	2	2	Dr. Neveen 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	
➢ **Global Warming** ➢ Reading Speaking : English communication skills ➢ Suffixes & adj.&adv. ➢ Peer editing	2	2	
Computer Addiction Reading: 53-55 Seaking: discussing the topic Grammar: adjectives Assignment:	2	2	
Earthquake Reading: 59-61 Grammar: Suffixes Speaking: role play Assignment:	2	2	
Words and their Stories Reading Grammar: wh-questions and negatives Speaking: practice making questions Assignment:	2	2	
Revision **7th week Exam**	2	2	
Describing People &Things **Reading :** **Grammar:** adj.& adv. Speaking : English communication skills **Assignment**: Write a paragraph on the advantages and disadvantages of the internet.	2	2	
Describing People &Things (to be contiued) **Reading :** **Grammar : relative clauses** Speaking : English communication skills	2	2	
Qualities and Flaws Speak**:** dicussing qualities and flaws of each one (pair work **Grammar:** Possession Pronouns+ Adjectives **Assignment**: internet research	2	2	

Qualities and Flaws (to be continued) **List. & Speak:** dicussing the topic Speaking : English communication skills **Grammar:** Comparative & superlative **Assignment**: peer editing	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:

Adequate to some extent	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
(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): 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 reaso for any None-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 Neveen

Signature:

Date: September 1, 2016

Annual Course Report

Academic year 2015-2016

A- Basic Information

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

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: د. مروه فؤاد

6- Course coordinator: Prof. Dr مروه محمد فؤاد

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**1157**	**100**	**%**
No. of students completing the course:	**No.**	**1155**	**99.82**	**%**

Results:

	No.	%
Passed	1042	90.22
Failed	113	9.78

Grading of successful students:		
Grade	No.	%
Excellent	369	31.95
Very Good	248	21.47
Good	188	16.28
Pass	237	20.52

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
العلم و الهندسة والتكنولوجيا	2		د. مروه فؤاد
الهندسة و البحث العلمى – منظومة البحث العلمى	2		
عناصر و متطلبات البحث العلمى	2		
الهندسة وخريطة البحث العلمى – مراحل البحث العلمى	2		
تاريخ الهندسة و التكنولوجيا فى مختلف العصور	4		
نقل التكنولوجيا	2		
نشاطات العمل الهندسى و مسئوليات المهندس	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	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. مروه محمد فؤاد

Non

Role of external evaluator:

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 دراستة للتخصص
(b)	يري بعض الطلاب اضافة بعض الموضوعات التي تناسب تخصصهم ودراستهم للهندسة	تخصيص محاضرتين يعرض فيها الطلبة بعض المهارات التي تساعد في الحياة العملية

7- Comments from external evaluator(s): 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 reaso for any non-completion:

9- Action plan for academic year 2015– 2016

Actions required	Completion date	Person responsible
Non	January 2016	Prof. Drمروه محمد فؤاد

Course coordinator: د. مروه فؤاد

Signature:

Date: September 1, 2016

Annual Course Report

Academic year 2015-2016

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

Credit 2 hrs Lectures: 1 hrs Tutorial 3 hrs Practical

5- Names of lecturers contributing to the delivery of the course: Prof.Dr.Eng. Hassan Awad
Dr. Moamen Wafaie Dr. Shymaa Lotfy

6- Course coordinator: Prof.Dr.Eng. Hassan Awad

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**1550**	**100 %**
No. of students completing the course:	**No.**	**1255**	**80.96 %**

Results:

	No.	%
Passed	998	79.5
Failed	257	20.5

Grading of successful students:		
Grade	No.	%
Excellent	120	9.55
Very Good	243	19.35
Good	298	23.7
Pass	337	26.9

C- Professional Information

1 – Course teaching

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

10	Support reaction in space	3	7	4
11	Trusses	4	10	6
	Total hours	**30**	**75**	**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 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 ,Dr. Moamen Wafaie and Dr. Shymaa 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): 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 control system stability analysis and design of convenient controller, by adding more exercises, assignments reports and quizzes.
- 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 reaso 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: Prof.Dr.Eng. Hassan Awad

Signature:

Date: September 2016

Annual Course Report

Academic year 2015-2016

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

Credit 2 hrs Lectures: 1 hrs Tutorial 3 hrs Practical

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

Prof.Dr.Eng. Hassan Awad - Dr. Moamen Wafaie - Dr. Shymaa Lotfy

6- Course coordinator: Prof.Dr.Eng. Hassan Awad

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**1650**	**100 %**
No. of students completing the course:	**No.**	**1450**	**87.9 %**

Results:

	No.	%
Passed	1160	80
Failed	290	20

Grading of successful students:		
Grade	No.	%
Excellent	154	10.6
Very Good	283	19.5
Good	322	22.2
Pass	401	27.7

C- Professional Information

1 – Course teaching

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

11	Motion under a conservative centeral force.	4	10	6
	Total hours	**30**	**75**	**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 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: Prof.Dr.Eng. Hassan Awad - Dr. Moamen Wafaie - Dr. Shymaa 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	Only a balanced proportion of numerical exercises

	in the 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

- Low success percentage in question 4 of the final written exam implies the need to revise the teaching and learning activity of the control system stability analysis and design of convenient controller, by adding more exercises, assignments reports and quizzes.
- 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 reaso 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: Prof.Dr.Eng. Hassan Awad

Signature:

Date: September 2016

Annual Course Report

Academic year 2015-2016

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 - Dr. Nabila El Sawy

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

B- Statistical Information

No. of students attending the course:	**No.**	**1396**	**100 %**
No. of students completing the course:	**No.**	**1363**	**97.6 %**

Results:

	No.	%
Passed	1216	89.21
Failed	147	10.79

Grading of successful students:		
Grade	No.	%
Excellent	431	31.62
Very Good	424	31.11
Good	174	12.76
Pass	187	13.72

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 85 %
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:

Adequate to some extent	Yes

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	The form and timing of declaration of year work

	of mid- term, rather than the grades.	evaluation results follow the Academy policy.

7- Comments from external evaluator(s): 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 reaso for any non-completion:

Actions required	Planned Completion date	Accomplishment
Non	Non	Non

9- Action plan for academic year 2016 – 2017:

Actions required	Completion date	Person responsible
Adding more exercises, assignments reports and quizzes	September , 2016	Dr. Sabry

Course coordinator: Dr. Sabry Abd El-Aziz

Signature:

Date: September, 2016

Annual Course Report

Academic year 2015-2016

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 - Dr. Nabila El Sawy

6- Course coordinator: Dr. Sabry Abd El Aziz

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**1459**	**100 %**
No. of students completing the course:	**No.**	**1408**	**96.5 %**

Results:

	No.	%
Passed	1113	79.05
Failed	295	20.95

Grading of successful students:		
Grade	No.	%
Excellent	268	19.03
Very Good	321	22.8
Good	263	18.68
Pass	261	18.54

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 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 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 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		

10- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
Adding more exercises, assignments reports and quizzes	December 2016	Dr. Sabry

Course coordinator: Dr Sabry Abd El Aziz

Signature:

Date: October, 2016

Annual Course Report

Academic year 2015-2016

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. N. Elmahdy

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

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**1119**	**100 %**
No. of students completing the course:	**No.**	**1115**	**99.64 %**

Results:

	No.	%
Passed	1143	93.208
Failed	76	6.79

Grading of successful students:		
Grade	No.	%
+A	133	11.88
A	159	14.2
-A	147	13.13
+B	132	11.79
B	114	10.18
+C	100	8.93
C	81	7.23
+D	65	5.8
D	54	4.82
-D	58	5.18

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Rotational motion and the Gravitational Law.	10	10	Prof. Dr.El-
• 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	Tawab Kamal
• 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.

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 reaso for any non-completion:

Actions required	Planned Completion date	Accomplishment
(b) Adding more assignments reports and quizzes. (c) The department discussed the need for more advanced laboratory experiences, especially in the area of Thermodynamics.	September 2015	(a) More assignments were prepared. (b) Three experiments are already added on September 2014.

9- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
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.	February 2017	All group members and course instructors

Course coordinator: Prof. Dr El-Tawab Kamal

Signature:

Date: Feb 20, 2016

Annual Course Report

Academic year 2015-2016

A- Basic Information

1- Course Code & Title: (PHY 102) 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: Dr. El-Tawab Kamal
Dr. Abo el Yazeed B.
Dr. Marwa Y. Shoeib
Dr. Nagat A. Elmahdy

6- Course coordinator: Dr. El-Tawab Kamal

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**1104**	**100 %**
No. of students completing the course:	**No.**	**739**	**67 %**

Results:

	No.	%
Passed	739	85.95
Failed	364	14.05

Grading of successful students:		
Grade	No.	%
Excellent	161	14.6
Very Good	144	13.06
Good	158	14.32
Pass	275	24.93

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Charge and Matter, The Electric Field, Gauss' law	10	12	Dr. El-Tawab Kamal
• Gauss's law applications	4	8	
• Electric Potential	6	6	
• Capacitors and Dielectric	4	6	
• Current and Resistance, Electromotive force and Circuits	8	8	
• Ampere's law, Inductance	6	6	
• Magnetic Properties of matter	4	0	
• Electromagnetic Waves, Physical Optics, Polarization of light	4	0	

• Interference of light, Diffraction of light	6	0	
• Diffraction of light, Some applications	2	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: Dr.El-Tawab Kamal, Prof. Dr. Abo el Yazeed B. Abo el Yazeed, Dr. Marwa Y. Shoeib and Dr. Nagat A. Elmahdy
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.

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 reaso for any non-completion:

Actions required	Planned Completion date	Accomplishment
(d) Add more experiments to Physics Laboratory	December 2018	Four experiments are already added on September 2015. One more is planned for May 2017

10- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
1. adding more assignments reports and quizzes for Chapters 1 and 4	December 2016	Prof. Dr. El-Tawab Kamal

Course coordinator: Dr El-Tawab Kamal

Signature:

Date: September 2016

Annual Course Report
(Academic year 2015-2016)

A- Basic Information

1- Title and code: Program Design and Computer Languages (CMP 110)

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: Freshman

4- Unit hours 4

Lectures 2hrs Tutorial 3hrs Practical -2 hrs Total 4hrs

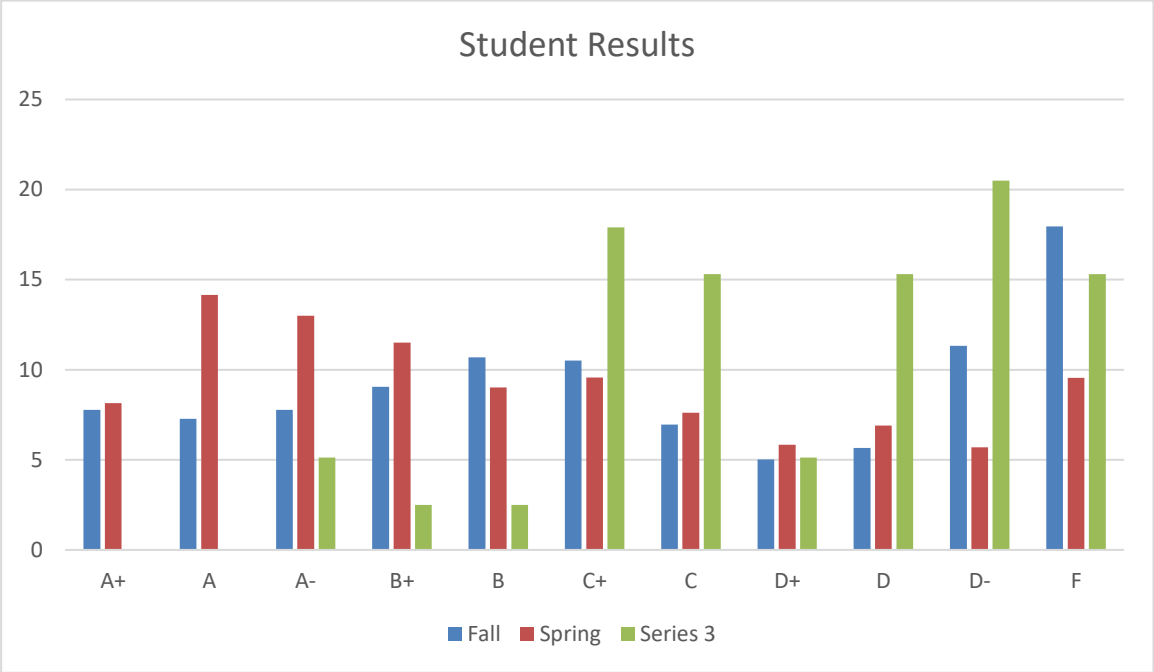
5- Names of lecturers contributing to the delivery of the course: Dr. Ehab ElShimee

B- Statistical Information

	FALL	SPRING	SUMMER
No. of students attending the course	No. 618 100%	NO. 565 100%	No. 39 100%
No. of students completing the course	No. 493 95.5%	NO. 511 90.4%	No. 33 87.7%

	FALL		SPRING		Summer	
	No.	%	No.	%	No.	%
Passed	507	82.039	511	90.4	33	87.7
Failed	111	17.961	54	9.6	6	2.3

	FALL		Spring		Summer	
	No.	%	No.	%	No.	%
A+	48	7.767	46	8.14	0	0
A	45	7.282	80	14.16	0	0
A-	48	7.767	76	13	2	5.12
B+	56	9.061	65	11.5	1	2.5
B	66	10.680	51	9.02	1	2.5
C+	65	10.518	54	9.56	7	17.9
C	43	6.958	43	7.61	6	15.3
D+	31	5.016	33	5.84	2	5.12
D	35	5.663	31	6.9	6	15.3
D-	70	11.327	32	5.7	8	20.5
F	111	17.961	54	9.55	6	15.3



C- Professional Information

1- Course Teaching:

Topic	Lecture hours	Lecture
➢ Steps for solving programs by computer programs	2	Dr. Ehab Elshime
➢ Program documentation and flow charts	2	
➢ Program structure in C++	1	
➢ Data types and declaration in C++	2	
➢ Input/output in C++ and I/O stream class	1	
➢ I/O manipulation	1	
➢ Operators and precedence in C++	2	
➢ Decision (Selection) Constructs in C++	2	
➢ Loops (Iterations) in C++	2	
➢ Arrays, Pointers, References, and dynamic allocation	2	
➢ Functions in C++, calling functions (by value, by reference)	2	
➢ Structures, Unions, Enumeration, and user-defined data types	2	
➢ Abstract data types (ADT)	1	
➢ Concepts and Terminologies of Object-Oriented Programming	2	
➢ Classes and objects	2	
➢ Constructors, destructors, friend functions	1	
➢ Polymorphism, encapsulation, inheritance	1	
➢ File I/O, I/O stream, strings, recursion	2	
Total hours	**30**	

Percentage of the content specified:

>90 %	√	70-90 %	-	<70%	100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: yes

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Dr. Ehab ElShimee

Role of external evaluator None

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

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

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: **وضع كتاب يتناول اجزاء من المنهج النظرى بشكل واضح ومبسط.**

المنهج ثقيل بعض الشىء لذلك نبذل انا والمعيد قصارى جهدنا
بداية المقرر تحتاج وقت اقل مما استهلكته والنهاية تحتاج وقت اكثر من المتاح والكتاب به اخطاء

Response of course team:

سوف يتم عمل نسخة جديدة من الكتاب وكذلك عمل تمارين اكثرفى نهاية التيرم

Questioner Good

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan: one data show is added to the lab
Action State whether or not completed and give reasons for any none-completion

9- Action plan for academic year 2014 – 2015

Increasing exercises and number of application programs
Adding data show at each lab
Upgrading the computer of the labs

Since it's a public speaking course that required the student to combine both oral and written knowledge with this course gives practical advice of different modes of communication including formal CV writing body language, leadership, negotiate, some of the course soft skills so after the instructor finish his lecture a little group of student (5-12) will present for what they have well prepared they will also prepare for a technical report individual CV and biography for company, factory or whatever project they … for after graduate.
There last three tasks will have dead time determined by two instructor to give the marks
All the rules and policies already left in the library for student to copy it but next year will be put in the lecture notes.

Course coordinator: Dr. EhabElshime

Signature:

Date: August 2016

2nd Level (Communication – Computer)

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 2015-2016)

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 2hrs Tutorial 2 hrs Practical 1 hrs Total 5 hrs

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

Prof. Dr. Said Refai – Dr. Haytham Gamal

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

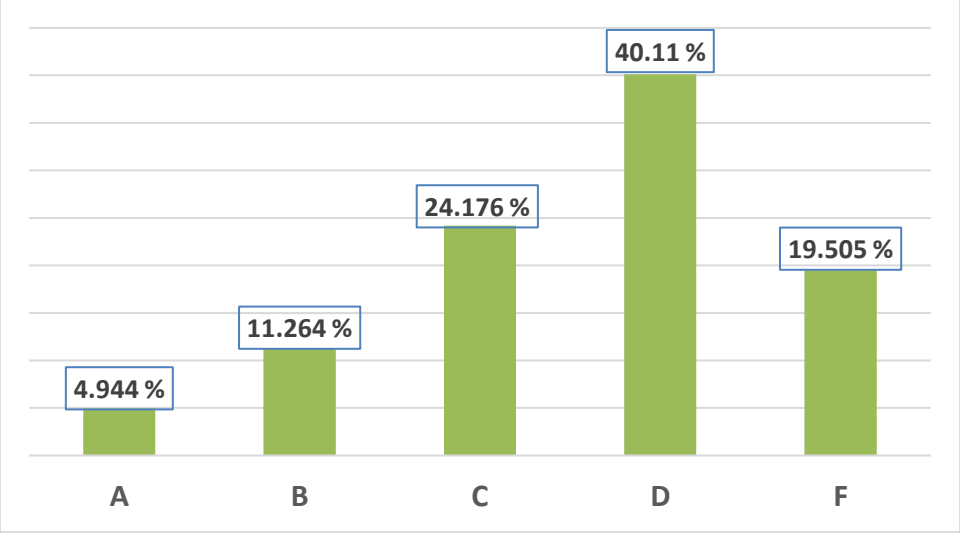
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	**No.** 364 **100%**	**No.** 82 **100%**
No. of students completing the course	**No.** 293 **80.495%**	**No.** 57 **60.377%**

Results				
	FALL		SUMMER	
	No.	%	No.	%
Passed	293	80.495	57	69.5
Failed	71	19.505	25	30.488

Grading of students				
	FALL		SUMMER	
	No.	%	No.	%
A	13	4.944	1	1.22
B	41	11.264	1	1.22
C	88	24.176	19	23.171
D	146	40.11	36	43.903
F	71	19.505	25	30.488



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 Supper 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: Classical lecturing using the white board

Practical training/ laboratory: Circuit laboratory

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Prof. Dr. Said Refai – 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

- الاهتمام بالتمارين والاكثار منها والالتزام بالقواعد
- امتحان الميد ترم كان غير مساوى للمقرر او ما شرح لان الشرح كان فى امثله سهلة وواضحة وامثلة الكتاب كذلك ولكن ياتى الامتحان على عكس كل هذا

6- External Reviewer Comments:

المقرر به عدد كبيرمن 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

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

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

Signature:

Date: August 2016

Annual Course Report

Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (ARC 210) Civil Engineering Technology

- Computer Engineering & Information Technology program
- Electronic Engineering & communication Technology program

4- Credit hours

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

5- Names of lecturers contributing to the delivery of the course: Dr. Tamer Selim Yousif

6- Course coordinator: Dr. Tamer Selim Yousif

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**385**	**100 %**
No. of students completing the course:	**No.**	**370**	**96.1 %**

Results:

	No.	%
Passed	292	78.919
Failed	78	21.081

Grading of successful students:		
Grade	**No.**	**%**
A	15	4.054
B	45	12.162
C	81	21.892
D	151	40.81

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Introduction	4	4	Dr.Tamer Selim Yousif
• Fundamentals of surveying	4	4	
• Measurement of areas from maps and measurement of angles	4	4	
• leveling	4	4	
• Computation of volumes	4	4	
• Soil mechanics	8	8	
• Foundation	4	4	
• Structure Analysis	8	8	
• Planning and Project management	12	12	
• General revision	8	8	
Total hours	60	60	

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 a6	b1 to b3	c1 to c2	d1 to d2

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials and problem solving
Practical training/ laboratory: Non
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	70	70
Oral examination	Non	0
Practical/laboratory work	Non	0
Other assignments/class work	10	10
Mid-Term Exam	20	20
Total	100	100

Members of examination committee: Dr. Tamer Selim Yousif
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)	This course is not a Mechanical eng. Course why are we studying it.	Civil eng is interrelated to our ordinary & daily activities, rather than its deeply interrelation to Mechanical eng.

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 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 reasor for any non-completion:

Actions required	Planned Completion date	Accomplishment
(e)		

10- Action plan for academic year 2016-2017

Actions required	**Completion date**	**Person responsible**
None		

Course coordinator: Dr. Tamer Sellm Yousif

Signature:

Date: Jun 2017

Annual Course Report
(Academic Year 2015-2016)

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 2hrs Tutorial 2 hrs Practical - hrs Total 4 hrs

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

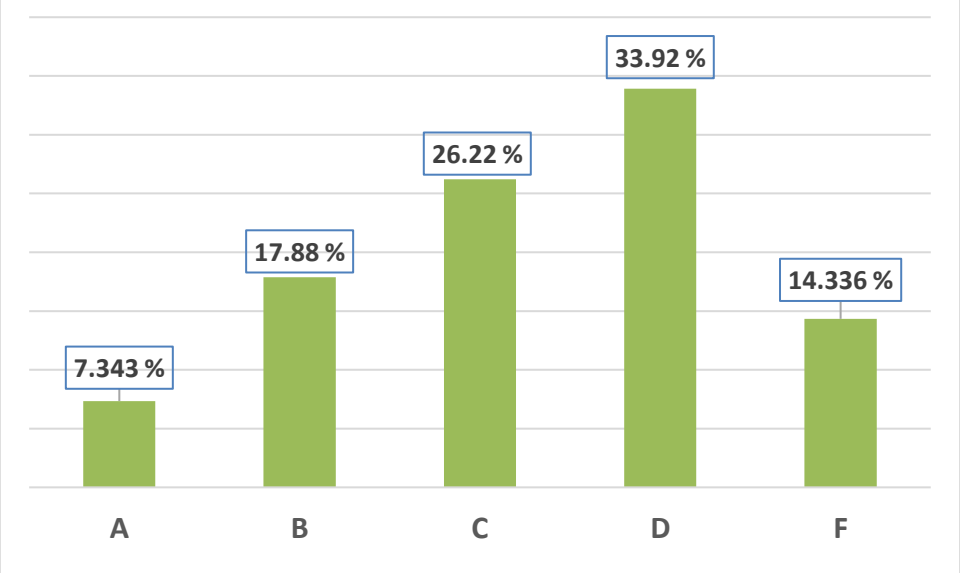
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	**No.** 27 **100%**	**No.** 286 **100%**	**No.** 56 **100%**
No. of students completing the course	**No.** 7 **25.927%**	**No.** 245 **85.66%**	**No.** 50 **89.286%**

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	7	25.927	245	85.66	50	89.286
Failed	20	74.07	41	14.336	6	10.714

Grading of students						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
A	0	0	21	7.343	3	5.357
B	0	0	51	17.88	15	26.786
C	1	0	75	26.22	10	17.857
D	7	25.93	97	33.92	22	39.285
F	20	74.07	41	14.336	6	10.714



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: Classical lecturing using the white board

Practical training/ laboratory: Circuit Laboratory

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Prof. Dr. Said Refai – 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

- اقترح ان يكون الوقت فى السكشن كافى للشرح وليس لاى شئ اخر وجودمراجعات وملزمات للمراجعة وحل امثلة
- نماذج الامتحانات غير متشابها فى المستوى فهناك نماذج فى منتهى السهوله ونماذج فى منتهى الصعوبة وشرح, دكتور غير قادر على تغطية جميع افكار المنهج ولكن الدكتور فى غاية الاحترام والمعيد ايضا ولمن المنهج
- اضافة معمل .
- يجب ان تكون تمارين الكتاب فى مستوى الامتحانات لانها اسهل بكثير من الامتحان وبالتالى درجة النجاح فى المادة قليلة ، ويجب على الدكتور يحل ولو مثال واحد على كل درس ولم يدخل نظرى اوى

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: solving frequency selective circuit problems had been updated with new technique.

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

Signature:

Date: August 2016

Annual Course Report
(Academic Year 2015-2016)

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 2hrs Tutorial - hrs Practical 2 hrs Total 3 hrs

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.

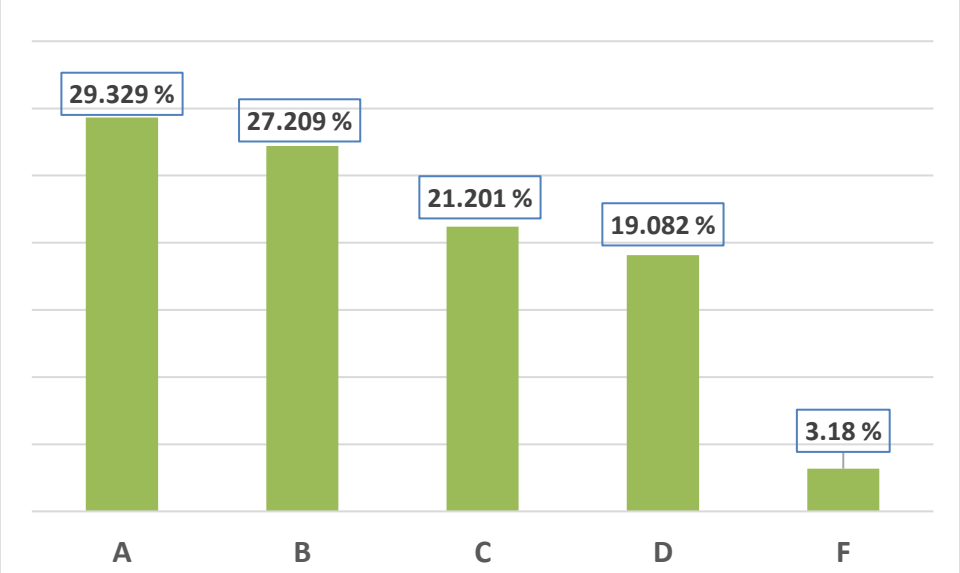
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. 18 100%	No. 283 100%	No. 43 100%
No. of students completing the course	No. 12 66.66%	No. 274 96.82%	No. 37 86.05%

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	12	66.66	274	96.82	37	86.05
Failed	6	33.33	9	3.18	6	13.953

Grading of students						
	FALL		SPRING		SUMMER	
	No.	%.	No.	%	No.	%
A	0	0	83	29.329	4	9.303
B	1	5.556	77	27.209	1	2.326
C	2	11.11	60	21.201	11	25.58
D	9	50	54	19.082	21	48.84
F	6	33.33	9	3.18	6	13.95



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

- الدكتور لايسمح بطرح الاسئلة
- من افضل الدكاترة والمعيدين فى الاكاديمية
- الدكتور بيشرح بطريقة قديمة جدا وتقليدية والمعيد طريقة المعملة مش كويسة
- ان المحاضرة تكون " كتابة بخط واضح اكثر

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

Increase number of teaching assistant in lab periods.

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

Signature:

Date: August 2016

Annual Course Report
(Academic year 2015-2016)

A- Basic Information:

1- Title and code: Logic Design -1 - (CMP 211)

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

- Electronic Engineering and Communications Technology Bsc, Program.
- Computer Engineering & Information Technology Bsc. Program.

3- Year/Level of program: Level Two

4- Unit hours 2

Lectures 3hrs Tutorial 1hrs Practical 2hrsTotal 4hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. MOHI-EIDIN RATEB

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

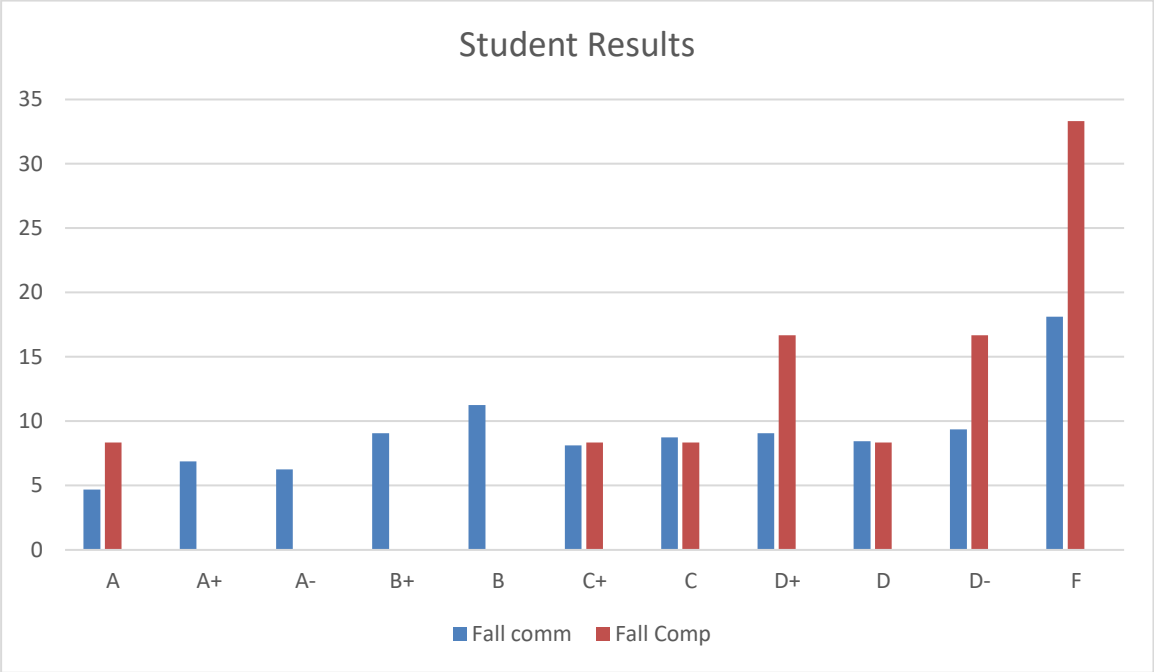
7- External evaluator: Prof.Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL(comm.)	FALL(comp)
No. of students attending the course	No. 320 100%	No. 12
No. of students completing the course	No. 262 81.875%	No. 8

	Results			
	FALL COMM		FALL COMP	
	No.	%	No.	%
Passed	262	81.875	8	66.667
Failed	58	18.125	4	33.333

	Grading of students			
	FALL COMM		FALL COMP	
	No.	%.	No.	%.
A	15	4.688	1	8.333
A+	22	6.875	0	0
A-	20	6.250	0	0
B+	29	9.063	0	0
B	36	11.250	0	0
C+	26	8.125	1	8.333
C	28	8.750	1	8.333
D+	29	9.063	2	16.667
D	27	8.438	1	8.333
D-	30	9.375	2	16.667
F	58	18.125	4	33.333



C- Professional Information:

1 – Course teaching:

Topic	Lecture Hours	Lecturer
• Introduction -Basic Definitions. -Laws of Boolean Algebra.	4	Prof. Dr. MOHI-EIDIN RATEB
• Logic Functions Representation &Realization -Methods of representation of logic functions truth table, S.O.P and P.O.S) -Realization of logic functions using AND-OR-NOT, NAND only and NOR only gate systems.	2 2	
-Matching logic functions with gate systems • Logic function minimization -Using Basic laws of Boolean Algebra.	2 2	
○ Using Karnaugh map minimization. -Using Quine -McClusky's Method.	2 2	
Minimization of multiple-output Logic Functions • Combinational logic modules -Half and full adders, Parallel adder connection, look ahead carry.	2 2	
○ Decoders and de-multiplexers ○ Encoders. ○ Data selectors (multiplexers).	2 2	
-Parity checkers. -Read-only memories	2 2	
-Binary comparators. • Sequential logic circuit elements -State diagram and stat table representation of sequential circuits.	2 2	

○ Asynchronous and synchronous sequential elements. - S-R Flip-flop,J-K flip-flop	2 2	
-D-Flip-flop and T flip-flop -Racing in sequential circuits	2 2	
-Master –slave and Edge –triggered Flip-flops. • Sequential Logic circuit modules -Introduction.	2 2	
Registers and shift registers.	4	
Asynchronous and synchronous counters.	4	
Counters using shift –registers (Johnson and ring counters)	4	
Random access memories(basic cell, addressing and read-write operations)	4	
Total Hours	**60**	

percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Prof. Dr. MOHI-EIDIN RATEB

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:

الاهتمام بقدر الامكان بشرح المقرر فى الوقت المحدد له وعلى اتم وجه
م. علياء غير قادرة على التفاعل مع الطلبة وتعاملها صعب
تغيير المعيدة نرمين لعدم تفاعلها مع الطلبة

Response of course team

تم مراعاة النقاط السابقة

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:

الاهتمام بالسكاشن من الناحية التطبيقية وزيادة التمارين

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 2016 – 2017:

سيتم تغيير الاسماء السالف ذكرها مع الاهتمام بزيادة التمارين

Course coordinator: Prof. Dr. MOHI-EIDIN RATEB

Signature:

Date: August 2016

Annual Course Report
(Academic year 2015-2016)

A- Basic Information:

1- Title and code: Data Structures and Algorithm - (CMP210)

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 2hrs Tutorial -2hrs Practical - hrs Total 3 hrs

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

6- Course coordinator: Prof. Dr. Mohi-EldinRateb

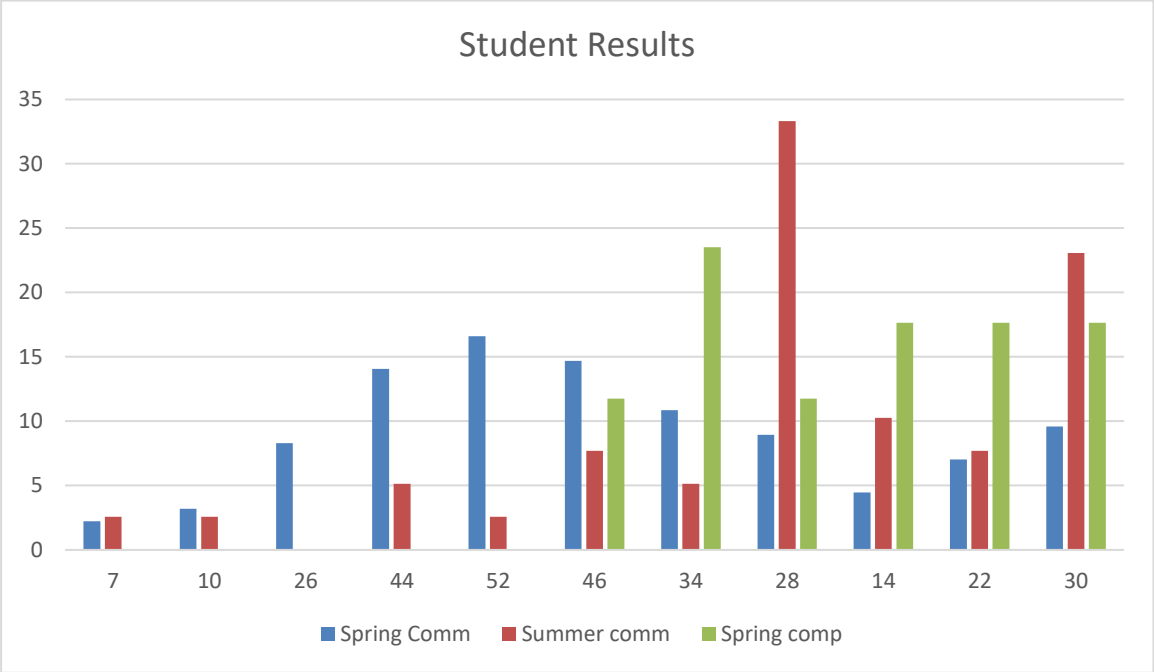
7- External evaluator: Prof.Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	SPRING communications	SUMMER communications	SPRING computer	SUMMER computer
No. of students attending the course	No. 313 100%	No. 39 100%	No. 17 100%	No. 19 100%
No. of students completing the course	No. 30 9.585%	No. 9 23.077%	No. 3 17.647%	No. 2 10.526%

	SPRING		SUMMER		SPRING Comm.		SUMMER Comm.	
	No.	%	No.	%	No.	%	No.	%
Passed	283	90.415	30	76.923	14	82.353	17	89.474
Failed	30	9.585	9	23.077	3	17.647	2	10.526

	SPRING Comm.		SUMMER Comm.		SPRING comp		SUMMER comp	
	No.	%	No.	%	No.	%	No.	%
A+	7	2.236	1	2.564	0	0	0	0
A	10	3.195	1	2.564	0	0	0	0
A-	26	8.307	0	0	0	0	1	5.263
B+	44	14.058	2	5.128	0	0	1	5.263
B	52	16.613	1	2.564	0	0	2	10.526
C+	46	14.696	3	7.692	2	11.765	3	15.789
C	34	10.863	2	5.128	4	23.529	6	31.579
D+	28	8.946	13	33.333	2	11.765	0	0
D	14	4.473	4	10.256	3	17.647	2	10.526
D-	22	7.029	3	7.692	3	17.647	2	10.526
F	30	9.585	9	23.077	3	17.647	2	10.526



C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction ○ Basic definitions and basic operations. ○ Data representation and storage, fixed point and floating point formats. ○ Applications of data structures	3	Prof. Dr. Mohi-EldinRateb
• Arrays -A storage of one dimensional arrays in memory. -Storage of two-dimensional arrays using row major and column major ordering. -Pointer arrays. -Parallel array storage of records. -Operations on matrices and associated algorithms. - Storage of sparse matrices.	5	
• Linear Lists ○ Definitions and properties. ○ Stacks, definition, push and pop operations. ○ Queues, definition, insertion, and deletion from circular queues. ○ De-queues, definition and basic operations.	6	
• Linked lists ○ Basic structures of header –free and header linked lists. ○ Representation in memory. ○ Traversing and searching linked lists for sorted and unsorted linked lists. ○ Insertion and deletion algorithms. ○ Two-way lists.	7	

• Trees ○ Basic definitions and structures. ○ Representation of binary trees in memory. ○ Linked representation. ○ String array representation. ○ Terminating binary sequence (TBS) representation. ○ Transformation of a general tree into binary tree ○ Traversing tree and traversal algorithms using stacks (Preorder,in order and post order traversals) ○ Threads and in order threading. ○ Path length and Huffman's tree achieving using Huffman's algorithm.	10
• Searching -Introduction and searching types. -Scanning. *Direct scanning and controlled scanning. *Binary search algorithm. -Binary search trees *Definition. *Searching and insertion into BST. Deletion from a BST. *Building a BSST	7
• Sorting Introduction Sorting algorithms using selection, exchange and insertion techniques. Complexity of algorithm. Bubble sort algorithm as an example for exchange technique. Binary sort quick sort) algorithm. Heap sort algorithm	7
Total hours	45

percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Prof. Dr. Mohi-EldinRateb

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:

- مش بافهم حاجة من المحاضرة والسكشنافضلبكتير ومن النهاية المحاضرة ملهاش استفادة
- معظم الدكاترة الترم ده كبار بس عارفين يتواصلوا معانا
- شرح ALGOITHMS مع طريقة تنفيذها بطريقة معينة
- لم ينزل تمارين لهذه المادة
- ان يكون الشرح بطريقة سهلة والتواصل مع عقليات الطلبة
- شكر خاص للباشمهندسة مروة على ماتقدمه لنا
- لا يوجد كتاب للتمارين على طريقة الشرح الصعبة على الطالب فهمها
- لازم معمل انا مش مستفاد من المادة باى حاجة
- ان يوجد وقت كافللاسئلة والتركيز على مايفيدنافى مجال العمل

Response of course team:

- اقترح اضافة ساعتين عملى للتطبيق على تنفيذ بعض البرامج التى تناسب المادة (ARRAYS, SORTING, SEARCHING, LINKED LISTS,……)
- اعداد كتاب عملى للمادة
- اعادة النظر للكتاب النظري وبما يتناسب مع الساعتين اسبوعيا
- حذف بعض الاجزاء او زيادة عدد الساعات لثلاث ساعات

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Course enhancement:

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

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

9- Action plan for academic year 2016 – 2017: None

Course coordinator: Prof. Dr. Mohi-EldinRateb

Signature:

Date: August 2016

Annual Course Report
(Academic Year 2015-2016)

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 2hrs Tutorial -- Practical -- Total 2hrs

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

6- Course coordinator: Dr. Lubna Fekry

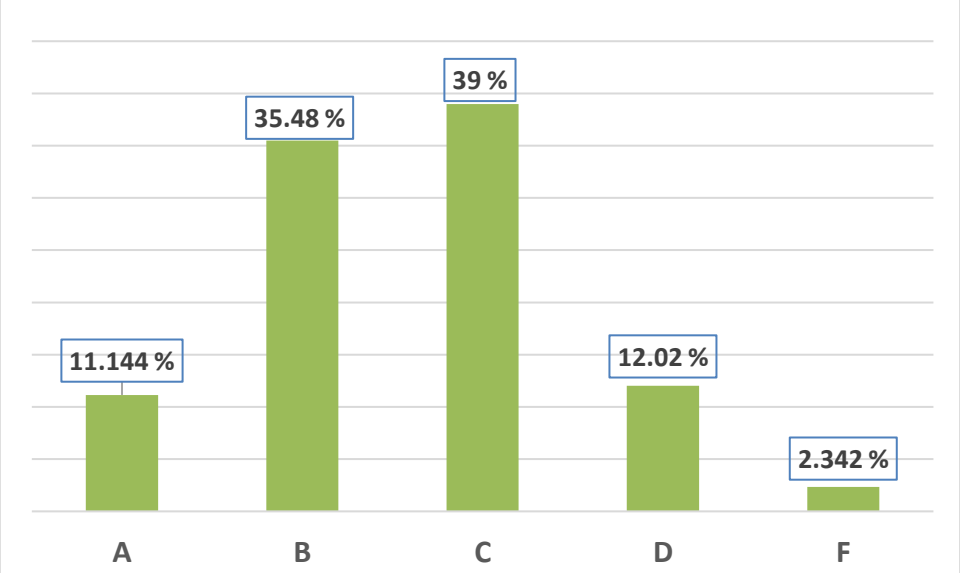
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL
No. of students attending the course	**No.** 341 **100%**
No. of students completing the course	**No.** 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: None

Other assignments/homework: oral question / CV writing / preparing presentation

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

3- Student assessment: Presentation / oral question / CV writing / Work Biography

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

- هذه المادة مفيدة لكل شخص من الصعب الحكم على الشخص فى هذه المادة من خلال امتحان نظرى بل راى انه يقتصر على المعملى فقط اولا يتدخل فى الحكم على قدرات الطالب
- محاضرة جيدةجدا وتجذب الانتباه ولاتشتته وتستطيع ان تتفاعل مع الطلبة وتتعامل معهم بكل تواضع واحترام وتشجيع.
-

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 و قت 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

Upgrades and developments are always in progress and execution Extra lectures for MS office principles will occur in students demand. We feel relax and better every year than previous one.

Course coordinator: Dr. LubnaFekry

Signature:

Date: August 2016

Annual Course Report

Academic year 2015-2016

A- Basic Information

1- Course Code & Title: (MTH 208) Statistical Mathematics for Architectural Engineering

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

Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: Sophomore, Fourth Semester

4- Credit hours

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

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

6- Course coordinator: Dr. S. Shenawy

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**426**	**100 %**
No. of students completing the course:	**No.**	**426**	**100 %**

Results:

	No.	%
Passed	357	83.8
Failed	69	16.2

Grading of successful students:		
Grade	No.	%
Excellent	53	12.44
Very Good	55	12.91
Good	101	23.7
Pass	148	34.74

C- Professional Information

1 – Course teaching

	Topic	Lecture	Actual	Tutorial hours
1	Functions, curve equation relationship.	1	1	3
2	Set theory, Random events, and probability functions.	1	1	2
3	Mathematical expectation.	1	1	2
4	Conditional probability.	1	1	2
5	Discrete distribution.	1	1	2
6	Binomial distribution.	1	1	2
7	Continuous distribution.	1	1	2
8	Normal distribution.	1	1	2
9	Sampling and the central limit theorem.	1	1	2
10	Estimation, hypothesis testing.	1	1	2
11	Regression and correlation.	1	1	4
12	Analysis of variance.	1	0	2
	Total hours	**15**	**14**	**45**

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

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, D4, D7

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Class activity 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	20	20
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Dr. S. Shenawy

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: This needs a computer Lab

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

6- Student evaluation of the course:

List any criticisms	Response of course team
Some corrections to the text book.	Accepted

7- Comments from external evaluator(s): None

8- Written Exam Evaluation

The results of the course are normally distributed with mean at 68% and with standard deviation 18. 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
A complete sheet descripting the student assessment process	Annually starting from May 2016	Done in both semesters

10- Action plan for academic year 2017 – 2018:

Actions required	Completion date	Person responsible
Some corrections to the text book	Jan. 2017	Dr. S. Shenawy

Course coordinator: Dr. S. Shenawy

Signature:

Date: Jan 1, 2016

Annual Course Report

Academic year 2015-2016

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 Semister

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.**	**420**	**100 %**
No. of students completing the course:	**No.**	**400**	**95.23 %**

Results:

	No.	%
Passed	400	95.23
Failed	20	4.77

Grading of successful students:		
Grade	No.	%
Excellent	30	7.5
Very Good	66	16.5
Good	90	22.5
Pass	214	53.5

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	
➢ Particle behaving as a wave and partical wave complementarity	1	2	2
➢ Introduction to wave mechanics	2	2	1
➢ The uncertainty principle	2	2	1
➢ Wave function for free partical	1		
➢ Wave function of the particale	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

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): 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 reasons for any non-completion:

Actions required	Planned Completion date	Accomplishment
(f) Add more experiments to physics Laboratory	December 2014	4 experiments are already added on September 2015.

9- Action plan for academic year 2014 – 2015

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

Signature:

Date: Feb. 2016

Annual Course Report

Academic year 2015-20156

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. of students completing the course:	**No.**	**348**	**87 %**

Results:

	No.	%
Passed	300	74.6
Failed	102	25.3

Grading of successful students:		
Grade	No.	%
Excellent	50	12.4
Very Good	70	17.4
Good	90	22.3
Pass	90	22.3

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

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): 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 reaso for any non-completion:

Actions required	Planned Completion date	Accomplishment
(g) Add more experiments to physics Laboratory	may 2016	No action.

9- Action plan for academic year 2015 – 2016

Actions required	Completion date	Person responsible
1. adding more exercises, assignments reports and quizzes for Chapter 1- 5	June 2016	Prof. Dr L. I. Soliman

Course coordinator: Prof. Dr L. I. Soliman

Signature:

Date: June 2016

Annual Course Report

Academic year 2015-2016

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, 2016

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 - Dr. Ashraf Taha

6- Course coordinator: Prof. Dr. Aly Essawi

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**604**	**100 %**
No. of students completing the course:	**No.**	**604**	**100 %**

Results:

	No.	%
Passed	473	78.31
Failed	131	21.69

Grading of successful students:		
Grade	No.	%
Excellent	75	12.42
Very Good	77	12.75
Good	94	15.56
Pass	227	37.58

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Definitions, order, degree.	1	1	—
➢ 1st order differential equations, 2nd 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, 1st and 2nd 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 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	The correct results of problems solutions of

	giving detailed comments concerning the correct answers	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 reaso for any non-completion:

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2015 – 2016:

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Prof. Dr. Aly Essawi

Signature:

Date: June 12, 2016

Annual Course Report

Academic year 2015-2016

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, 2016

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 - Dr. Ashraf Taha

6- Course coordinator: Dr. Ashraf Taha

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**388**	**100 %**
No. of students completing the course:	**No.**	**388**	**100 %**

Results:

	No.	%
Passed	334	86.08
Failed	54	13.92

Grading of successful students:		
Grade	No.	%
Excellent	62	15.98
Very Good	67	17.27
Good	99	25.51
Pass	106	27.32

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 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): 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 reaso for any non-completion:

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2015 – 2016:

Actions required	**Completion date**	**Person responsible**
None	None	None

Course coordinator: Dr. Ashraf Taha

Signature:

Date: June 12, 2016

Annual Course Report

Academic year 2015-2016

A- Basic Information

1- Course Code & Title: (MTH 207) Numerical Analysis

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

Manufacturing Engineering and Production Technology BSc Program

3- Year/Level of program: Sophomore, Fourth 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: Dr. S. Shenawy

6- Course coordinator: Dr. Sameh Shenawy

7- External evaluator: None

B- Statistical Information

No. of students attending the course:	**No.**	**155**	**100 %**
No. of students completing the course:	**No.**	**155**	**100 %**

Results:

	No.	%
Passed	134	86.45
Failed	21	13.55

Grading of successful students:		
Grade	No.	%
Excellent	15	09.68
Very Good	35	22.58
Good	33	21.29
Pass	51	32.90

C- Professional Information

1 – Course teaching

	Topic	Lecture	Actual	Tutorial hours
1	Curve fitting and linear Approximation of a function.	3	3	3
2	Polynomial interpolation and error estimation in the interpolation formula	2	2	2
3	Lagrange interpolation	2	2	2
4	Newton –interpolation	2	2	2
5	Hermit interpolation.	2	2	2
6	Newton-Cotes formula, composite Newton-cotes formula	2	2	2
7	Romberg – Steifel integration method.	2	2	2
8	Numerical solution of initial value problems	3	2	2
9	Numerical solution of first order methods Runge- Kutta methods	4	2	2
10	Multistep methods.	2	2	2
11	Numerical solution of linear and non-linear equation, Gauss-Seidel	4	4	4

	method.			
12	Numerical solution of nonlinear equations the fixed point iteration method,	2	2	2
13	Newton-Raphson method.	2	2	2
	Total hours	**30**	**27**	**27**

Topics taught as a percentage of the content specified: More than 95 %
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,A5,B1,B2,B3,B11,D3,D4,D7

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving
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	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: This needs a computer Lab

5- Administrative constraints (List any difficulties encountered)

List any criticisms	Response of course team
Announcing of class works and assignments grades	Accepted

7- Comments from external evaluator(s): None

8- Written Exam Evaluation

The results of the course are normally distributed with mean at 70% and with standard deviation 20. 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 2016 – 2017

Actions required	Completion date	Person responsible
Announcing of class works and assignments grades	June 2017	Dr. Sameh Shenawy

Course coordinator: Prof. Dr. S. Shenawy

Signature:

Date: Sept. 25, 2016

Third Level

Code	Course Name
GEN 341	Project Management.
ELC 310	Control-1 (Principles of Automatic Control).
ELC 312	Microelectronic Circuits- 1
ELC 314	Electronic Measurements
MTH 305	Mathematics -5 (Introduction to Probability. and Statistics).
ELC 315	Signal Analysis
ELC 361	Seminar-1
CMP 310	Engineering Computer Applications
CMP 311	Numerical Methods with Computer Applications.
ELC 311	Communications -1
ELC 362	Seminar-2.
ELC 313	Microelectronic Circuit-2
MTH 306	Mathematics -6(Complex Analysis and P.D.E)
GEN 353	Management, International Business, and Total Quality Management

Annual Course Report

Academic year 2015-2016

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

No. of students attending the course:	**No.**	**528**	**100 %**
No. of students completing the course:	**No.**	**528**	**100 %**

Results:

	No.	%
Passed	471	89.2
Failed	57	10.8

Grading of successful students:		
Grade	No.	%
Excellent	58	10.98
Very Good	103	19.51
Good	139	26.33
Pass	171	32.38

C- Professional Information

1 – Course teaching

	Topic	Lecture	Actual	Tutorial
1	Introduction, Sample space, Axioms of probability	3	2	6
2	Conditional probability Bay's theorem	3	3	6
3	Discrete distributions.	3	3	3
4	Binomial distribution.	3	3	6
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	6
9	Measure of location (mean, median and mode)	3	3	3
10	Measures of variations	3	3	6
	Total hours	**30**	**28**	**45**

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	

5- Administrative constraints (List any difficulties encountered): None

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	They want to practice the application solving problems in tutorial not only in lectures.	Next semester we will do this.

7- Comments from external evaluator(s): 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
Adding more examples and practice problems to class works	Sept. 2015	Done

10- Action plan for academic year 2016 – 2017:

Actions required	Completion date	Person responsible
Adding more examples and practice problems to class works	Sept. 2016	Dr S. Shenawy

Course coordinator: Dr. S. Shenawy

Signature:

Date: Oct. 10, 2016

Annual Course Report
(Academic year 2015-2016)

A- Basic Information

1- Title and code: Engineering Computer Applications (CMP 310)

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: Junior

4- Unit hours 2

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

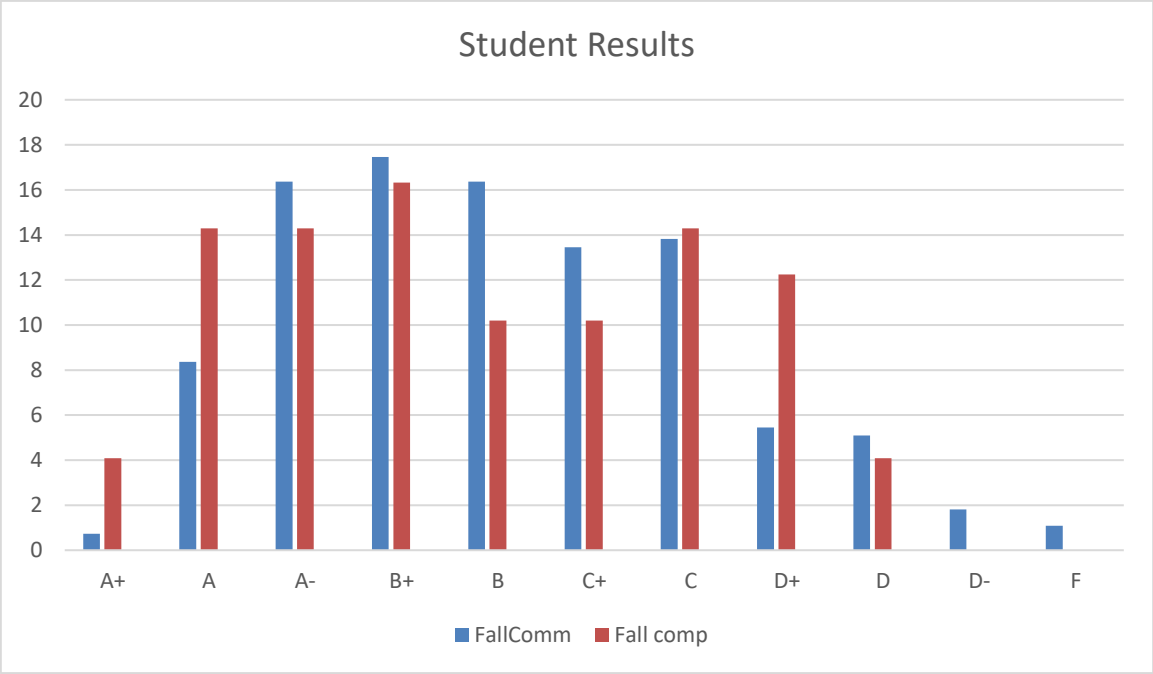
5- Names of lecturers contributing to the delivery of the course: Dr. Abdelmenam Foda

B- Statistical Information

	FALL(2016),COMM	FALL(2016)COMP
No. of students attending the course	**No.** 272 **100%**	**No.** 49 **100%**
No. of students completing the course	**No.** 269 **98.909%**	**No.** 49 **100%**

	Results			
	FALL(2016),COMM		FALL(2016),COMP	
	No.	%	No.	%
Passed	**272**	**98.909**	**49**	**100**
Failed	**3**	**1.091**	**0**	**0**

	Student Results			
	FALLCOMM		FALL,COMP	
	No.	%	No.	%
A+	2	0.727	2	4.082
A	23	8.364	7	14.286
A-	45	16.364	7	14.286
B+	48	17.455	8	16.327
B	45	16.364	5	10.204
C+	37	13.455	5	10.204
C	38	13.818	7	14.286
D+	15	5.455	6	12.245
D	14	5.091	2	4.082
D-	5	1.818	0	0
F	3	1.091	0	0



C- Professional Information

1- Course Teaching:

Topic	Teaching Hours	Lecture
➢ . Introduction to MATLAB	2	Dr. Abdelmenam Foda
➢ Mat lab Fundamentals	2	
➢ Matrix Operations, Array Operations Vectors and Matrix Operations, Graphing	2	
➢ Data Analysis	2	
➢ Plotting Commands	2	
➢ Control Flow. -M – Files	2	
➢ Control Statements	2	
➢ DC Analysis	2	
➢ Transient Analysis	2	
➢ AC Analysis and network functions	2	
➢ Advanced Programming in MATLAB in Semiconductor physics . - Operational Amplifier	3	
➢ Introduction to Simulink	3	
Total hours	26	

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:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory: yes

Seminar/Workshop: Project was delivered

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

Role of external evaluator None

4- Facilities and teaching materials:	**Dictionaries, Tape recorders….etc**
Totally adequate	**.Yes.**
Adequate to some extent	……
Inadequate	……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

- يكون السكشن اسبوعيا بدلا من اسبوع واسبوع
- تكون المحاضرة فى معمل الكمبيوتر
- زيادة عدد السكاشن
- تغيير المقرر بشكل يخدم احتياجات القسم اكثر مما هو عليه-تغيير الدكتور- تغيير طريقة المعيدين وطريقة الشرح

- اجد ان الدكتور والمعيدين فاقدين القدرة على التواصل وبيكون افضل لو اصبح هناك تفاعل بذكاء
- المعيد لا يتفاعل مع الطلاب
- المعيد غير قادر على السيطرة على الطلبة

Response of course team:

- تم السماح باحضار اللاب توب فى المحاضرة للمتابعة عمليا
- يتم عمل انشطة لها اعمال سنة طبقا لكل تخصص
- المقرر تطبيق عام على كهربا والكترونيات وفيزيقا على ماسبق دراسته ورياضة
- التواصل مع الطلبة مشكلته ان بعضهم غير منتظم فى الحضور من البداية ويتم التسجيل متاخرا مما يفقد الطالب التواصل لذلك نتواصل عن طريق المكتب والميل للاسئلة والتواصل
- سيتم مطالبة الطلبة لعمل انشطة على مواد مختلفة مثل الاشارات والاحتمالات والتحكم والانظمة الميكوئية بحيث نزود مهارة التعامل مع التطبيقات المختلفة
- سيتم زيادة جرعة العملىفىالسكشن ويتم تشغيل البرامج على الكمبيوتر فى المعمل طبقا لخريطة المعامل وسيتم اخذ السكشنفى المعمل ليتمكن الطالب من الشغل عملى على الكمبيوتر اكثر.

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan: increasing the function programs and Simulink
Action State whether or not completed and give reasons for any none-completion tacking the sections at lab also for increasing practical hours but the available labs was insufficient

9- Action plan for academic year 2016 – 2017

Condensing the exercise of last parts of course
If there available labs it will be better to takes the sections on lab or using data show for sections

Course coordinator: Dr. Abdelmenam Foda

Signature:
Date: August 2016

Annual Course Report
(Academic Year 2015-2016)

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 3hrs Tutorial 1 hrs Practical 2hrs Total 4hrs

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

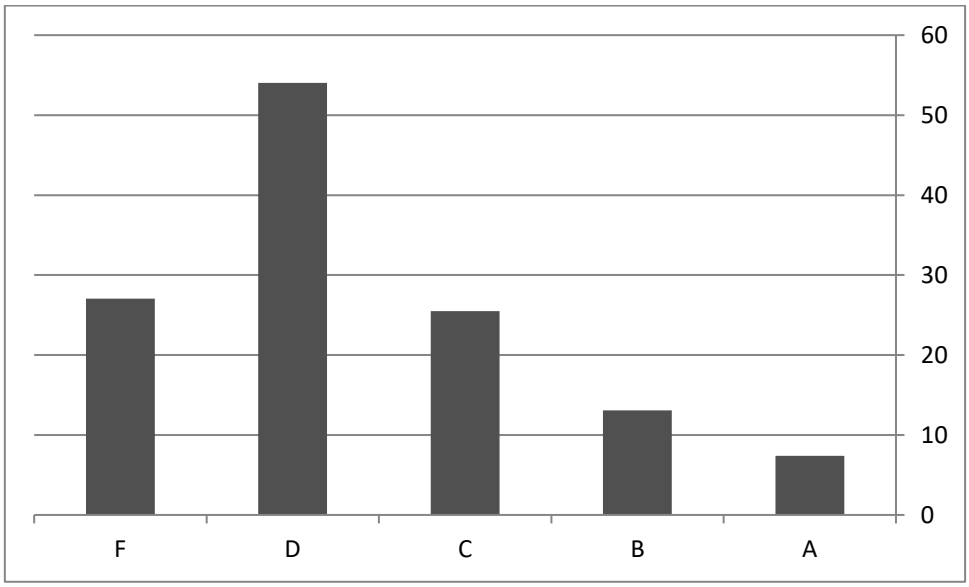
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	**No.** 349.....%	**No.** 53 ..... %
No. of students completing the course	**No.** 349 **100%**	**No.**53 **100%**

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	330	94.45	36	51.43
Failed	19	5.44	17	48.57

Grading of students				
	FALL		SPRING	
	No.	%	No.	%
A	33	10	0	0
B	81	24.5	0	0
C	94	28.5	7	19.4
D	122	37	29	80.6



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: 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: Ass. Prof. Dr. Magdy O. Tantawy

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

- المنهج محتاج وقت اكبرمن كدة شكرا.
- وقت الامتحان غيركافى للاجابة على كمية الاسئلة الموجودة
- لابد من تقليل المقرر حتى نتمكن من الفهم بوضوح وزيادة عدد السكاشن.
- زيادة عدد السكاشن الاساسية - زيادة وقت الامتحان.

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 2016 – 2017
More attention will be given to familiarize students w.r.t. problems for:

- Determination of T.F. for interconnected system
- Design of controllers for negative feedback system.

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

Signature:

Date: Novmber2016

Annual Course Report
(Academic Year 2015-2016)

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 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*

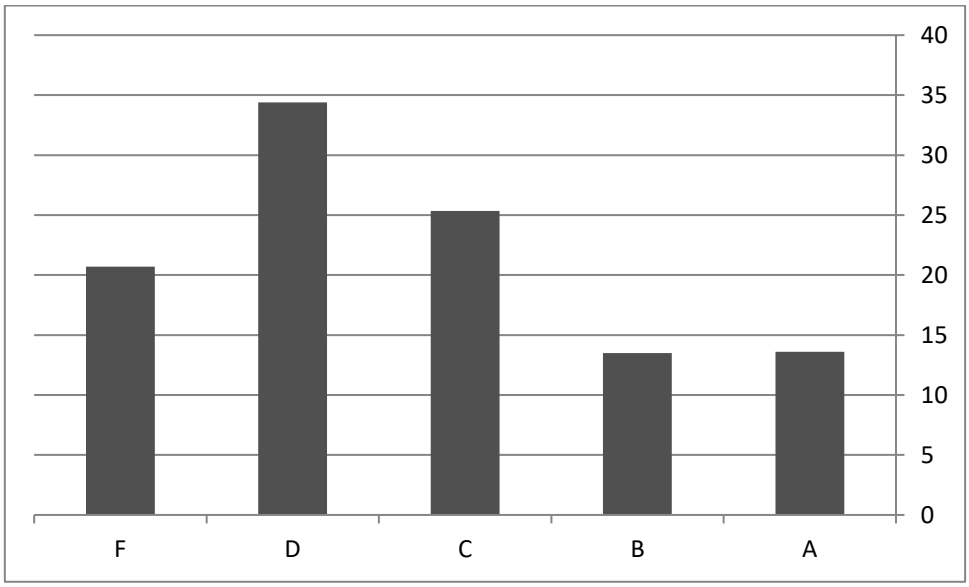
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course		**No.** 329
No. of students completing the course		**No.** 329 **100%**

Results			
	FALL	SPRING	
		No.	%
Passed		**310**	**94.2**
Failed		**19**	**5.8**

Grading of students			
	FALL	SPRING	
		No.	%
A		**37**	**11.94**
B		**86**	**27.74**
C		**113**	**36.35**
D		**74**	**23.87**



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: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee: *Prof. Dr. HanyTawfik*

5- Administrative constraints

List any difficulties encountered

- None

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

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2016 – 2017

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

Course coordinator: *Prof. Dr. HanyTawfik*

Signature:

Date: Novmber2016

Annual Course Report
(Academic Year 2015-2016)

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*

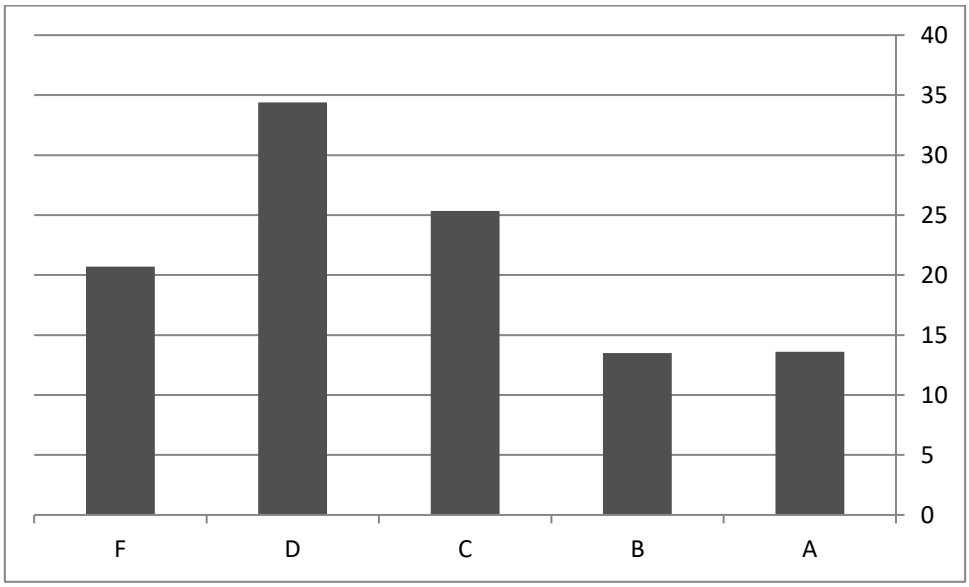
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	**No.** 374	**No.** 44
No. of students completing the course	**No.** 374 **100%**	**No.** 44 **100%**

Results				
	FALL		**SPRING**	
	No.	**%**	**No.**	**%**
Passed	**355**	**94.9**	**38**	**63.7**
Failed	**19**	**5.1**	**16**	**36.3**

Grading of students				
	FALL		**SPRING**	
	No.	**%**	**No.**	**%**
A	**87**	**24.6**	**1**	**2.63**
B	**96**	**27**	**0**	**0**
C	**96**	**27**	**9**	**23.68**
D	**76**	**21.4**	**18**	**47.37**



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: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee *Prof. Dr. HanyTawfik*

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

- المادةسهلةولذيذةلكنجدولالامتحاناتمشكويسيارينتلوينفعتزودوفترةاللقبلالامتحانولويومفقط
- م /احمدسعيدمعيدمنظموا ىحاجهعايزنسالهفيهابجوبكوبيديناسكاشناضافيةعلشاننكونمعالدكتوروشرحهممتاز
- معملغيرمجهزتمامالعملالتجاربحيثانكلطالبلايمكنالتطبيقعليهوعددالتجاربكبيرجداوالوقتغيركافلتنفيذها
- منافضلالمعيدينم /محمدالنبوبكلالشكروالتقديرله

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

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

Course coordinator: *Prof. Dr. HanyTawfik*

Signature:

Date: Novmber2016

Annual Course Report
(Academic Year 2015-2016)

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 2hrs Tutorial 2hrs Practical 2hrs Total 3hrs

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

6 -Course coordinator: Dr. Eman Mohamed Mahmoud

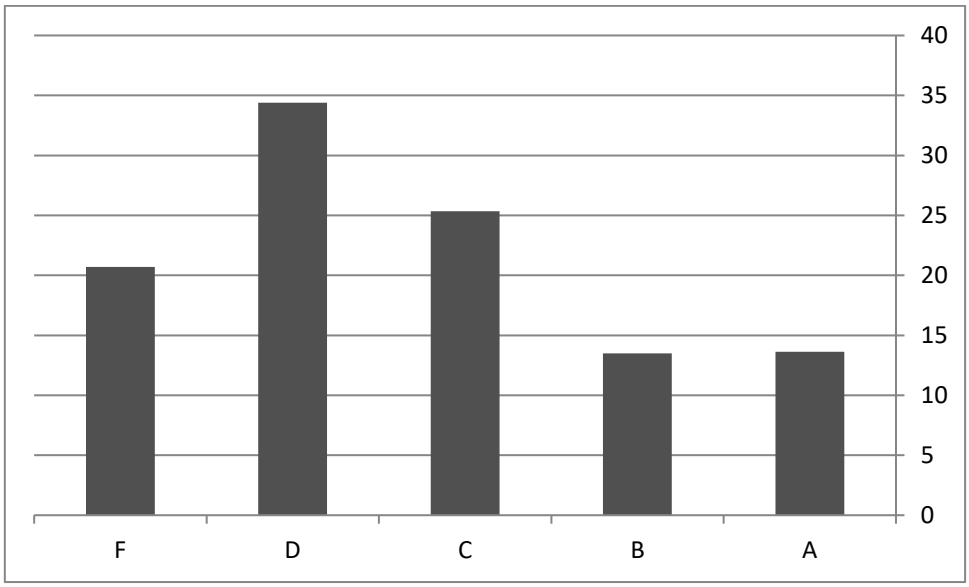
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course		**No.** 342	**No.** 70
No. of students completing the course		**No.** 342 **100%**	**No.** 70 **100%**

Results					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
Passed		**291**	**85.1**	**61**	**87.14**
Failed		**51**	**14.9**	**9**	**12.86**

Grading of students					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
A		**49**	**16.84**	**5**	**8.2**
B		**56**	**19.24**	**14**	**23**
C		**79**	**27.15**	**13**	**21.3**
D		**107**	**36.77**	**29**	**47.5**



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: Classical lecturing using the white board and power point data show

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee 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:

- يجب ان يحتوي المعمل علي امكانيات اعلي وان يتم شرح المنهج كاملا من الكتاب ووقت المحاضره غير كافي.
- تحديث اجهزه المعمل للقدره علي فم التجارب بوضوح.
- معظم اجهزه المعمل غير صالحه والمعيدين يخبرونا ان لانستخدم اجهزه معينه.

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 2016 – 2017

- Discuss an introduction about feedback topologies and oscillator circuits.
- It is required to add power amplifiercicuits to lab.

Course coordinator: Dr. Eman Mohamed Mahmoud

Signature:

Date: Novmber2016

Annual Course Report
(Academic Year 2015-2016)

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 2 hrs Tutorial 2 hrs Practical 0hrs Total 3hrs

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

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

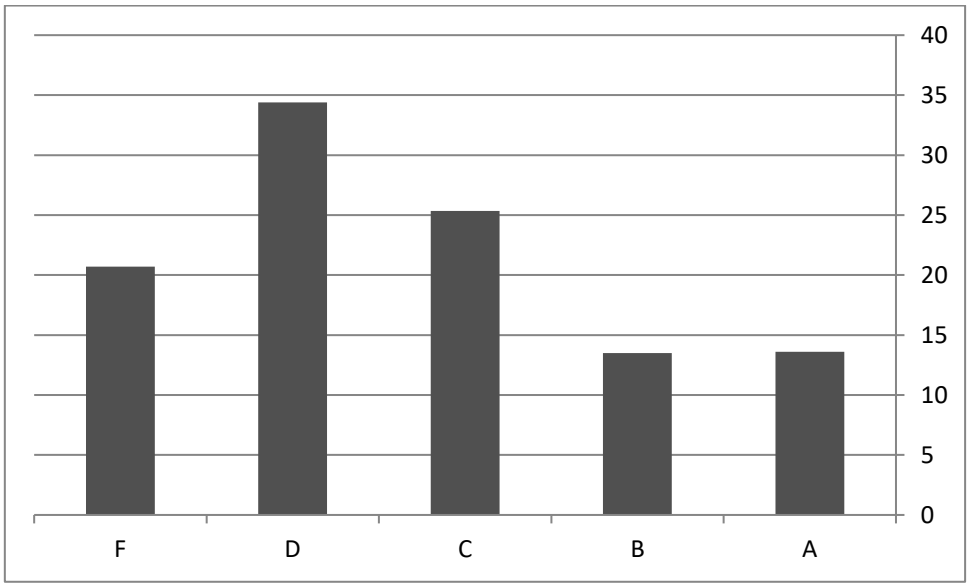
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	**No.** 376	**No.** 131
No. of students completing the course	**No.** 376 **100%**	**No.** 131 **100%**

Results				
	FALL		**SPRING**	
	No.	**%**	**No.**	**%**
Passed	**283**	**75.27**	**115**	**87.8**
Failed	**93**	**24.73**	**16**	**12.2**

Grading of students				
	FALL		**SPRING**	
	No.	**%**	**No.**	**%**
A	**11**	**3.89**	**1**	**0.87**
B	**58**	**20.49**	**4**	**3.48**
C	**89**	**31.45**	**66**	**57.39**
D	**125**	**44.17**	**44**	**38.26**



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

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

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

Written examination	70 %
Practical examination	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	
None	None

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 2016 – 2017
Decrease number of lectures taken in Fourier conversions part in order to have more enough time for last chapter "Random Process".
Course coordinator: *Dr. Ahmed Hassan Eldieb*
Signature:

Date: November 2016

Annual Course Report
(Academic Year 2015-2016)

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 2hrs Tutorial 1hrs Practical 2hrs Total 3hrs

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

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

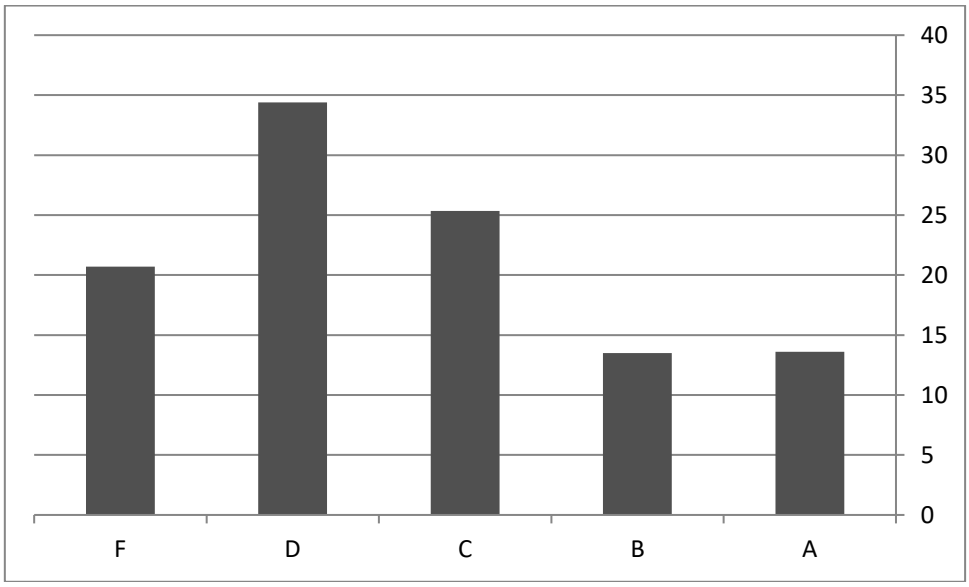
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course		No. 282	No. 87
No. of students completing the course		No. 282 100%	No. 87 100%

Results					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
Passed		275	97.52	79	90.8
Failed		7	2.48	8	9.2

Grading of students					
	FALL	SPRING		SUMMER	
		No.	%	No.	%
A		7	6.18	7	8.86
B		17	22.18	17	21.52
C		26	31.64	26	32.91
D		29	40	29	36.7



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	2	2	2	
7- Baseband and band pass modulation.	2	0	4	
8- Amplitude modulation and its different forms: AM, DSB-SC,	6	2	6	
9- Television communication system (transmission and	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: Classical lecturing using the white board and slides using projector
Practical training/ laboratory: analog 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 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	
None	None

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

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

Course coordinator: Prof. Dr. Adel El- Sherif

Signature:

Date: Novmber2016

Annual Course Report
(Academic Year 2015-2016)

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 0hrs Tutorial 1hrs Practical 2hrs Total 1hrs

5- Names of lecturers contributing to the delivery of the course: *Prof. Dr. Shouman E.I. Shouman*

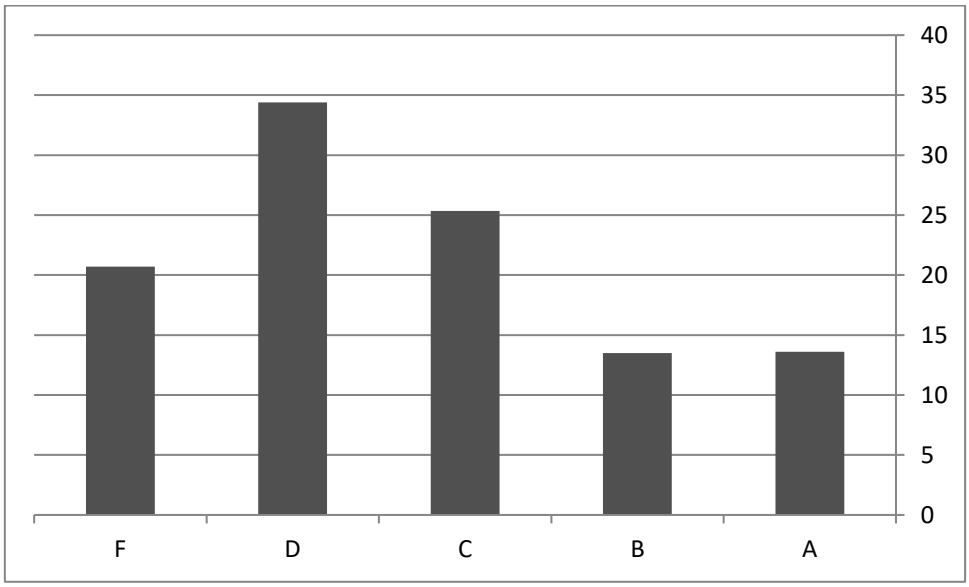
6- Course coordinator: *Prof. Dr. Shouman E.I. Shouman*

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	**No.** 327	
No. of students completing the course	**No.** 327 **100 %**	

Results			
	FALL		SPRING
	No.	%	
Passed	**312**	**95.4**	
Failed	**15**	**4.6**	

Grading of students			
	FALL		
	No.	%	
A	**122**	**39.1**	
B	**109**	**34.9**	
C	**50**	**16**	
D	**31**	**10**	



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*

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:	**Response of course team**
List any criticisms	
None	None

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

8- Course enhancement:

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

9- Action plan for academic year 2016 – 2017

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*

Signature:

Date: Novmber2016

Annual Course Report
(Academic Year 2015-2016)

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 0hrs Tutorial 1hrs Practical 2hrs Total 1hrs

5- Names of lecturers contributing to the delivery of the course: *Prof. Dr. Shouman E. I. Shouman*

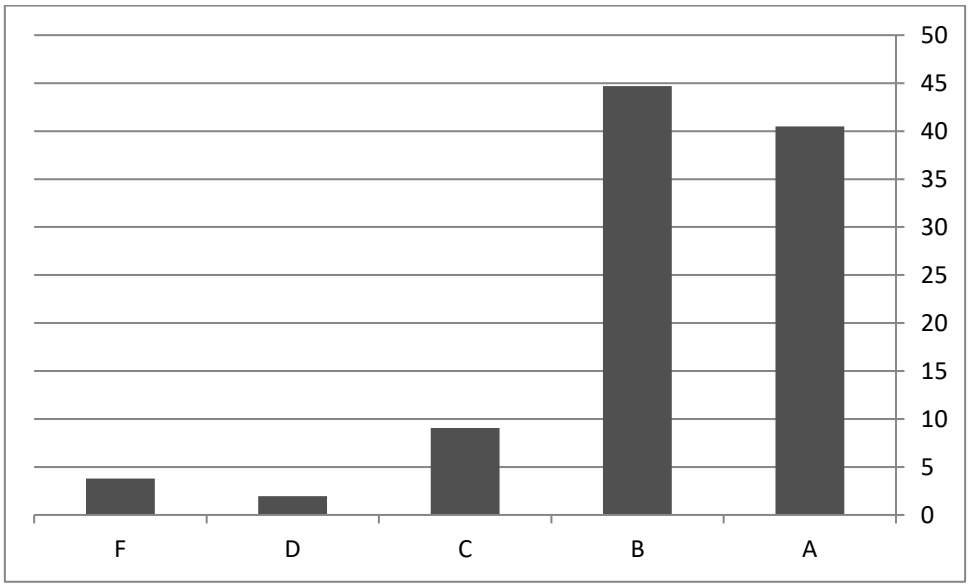
6- Course coordinator: *Prof. Dr. Shouman E. I. Shouman*

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. 29	No. 283	No. 4
No. of students completing the course	No.29 100%	No.283 100%	No.4 100%

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	26	89.66	280	99	4	100
Failed	3	10.34	3	1	0	0

Grading of students						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
A	13	44.83	146	51.59	1	25
B	8	27.59	89	31.45	3	75
C	4	13.79	38	13.43	0	0
D	1	3.45	7	2.47	0	0



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*

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: **Response of course team**

List any criticisms

None None

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

8- Course enhancement:

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

9- Action plan for academic year 2016 – 2017

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.

Course coordinator: *Prof. Dr. Shouman E. I. Shouman*

Signature:

Date: Novmber2016

Annual Course Report

Academic year 2015-2016

A- Basic Information

1- Course Code & Title: التشريعات والقوانين الهندسية, GEN 352

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: First Semester

4- Credit hours

Credit: 2 hrs Lectures 2 hrs Tutorial - Practical -

5- Names of lecturers contributing to the delivery of the course: Dr. Ghada Salem

6- Course coordinator: Prof. Dr. Ghada salem

7- External evaluator: Non

B- Statistical Information

1- No. of students attending the course:	**No.**	**23**	**100**	**%**
2- No. of students completing the course:	**No.**	**23**	**100**	**%**

3- Results:

	No.	%
Passed	22	95.7
Failed	1	4.3

Grading of successful students:		
Grade	No.	%
Excellent	3	13.1
Very Good	8	34.8
Good	11	47.8
Pass	0	0

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
مصطلحات ومفاهيم قانونيه	4	3	Dr.Ghada salem
التشريعات الصناعيه المصريه	4	4	
قوانين وتشريعات اعمال البناء والتخطيط العمرانى	4	4	
قوانين وتشريعات بيئيه لحمايه البيئه المصريه	3	3	
المناقصات والعطاءات	3	3	
قانون تنظيم المناقصات والمزايدات	3	3	
العقود الهنديه المحليه	3	3	
العقود الهندسيه الدوليه	3	3	
المطالبات والتحكيم	3	3	
Total hours	30	29	

Topics taught as a percentage of the content specified: √ >93% 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 b3	c1	d1 to d2

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board, projection and data show
Practical training/ laboratory: Non
Seminar/Workshop: Non
Class activity Some assignments
Case Study: Selected case studies
Other assignments/homework: Bi-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	10	10
Mid-Term Exam	20	20
Total	100	100

Members of examination committee: Dr. Ghada salem
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	100%
Inadequate	0

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 دراستة للتخصص
(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 الفريقي او الاقناع

7- Comments from external evaluator(s): None

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 reaso for any non-completion: Done

9- Action plan for academic year 2016– 2017

Actions required	Completion date	Person responsible
Adding a new chapter about ethics	January 2017	Dr. Abeer Serag

Course coordinator: Prof. Dr. Dr. Ghada salem

Signature:

Date: Nov.2016

Annual Course Report

Academic year 2015-2016

A- Basic Information

1- Course Code & Title:(GEN 353) ادارة و 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: 1st, 2nd 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.مروه فؤاد

6- Course coordinator: Prof. Dr مروه فؤاد

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**390**	**100**	**%**
No. of students completing the course:	**No.**	**388**	**99.48**	**%**

Results:

	No.	%
Passed	379	97.68
Failed	9	2.32

Grading of successful students:		
Grade	No.	%
Excellent	154	39.70
Very Good	100	25.77
Good	79	20.36
Pass	46	11.86

C- Professional Information

1 – Course teaching

Topic	Total hours	Lecturer
مفهوم الادارة	4	د. مروه فؤاد
مفهوم التخطيط	4	
صناعة و اتخاذ القرارات	2	
الهياكل التنظيمية	6	
القيادة و التوجيه	4	
ادارة الأعمال الدولية	6	
مفهوم ادارة الجودة الشاملة	4	
Total hours	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 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: د. مروه فؤاد

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes

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): 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 reaso for any non-completion:

10- Action plan for academic year 2015– 2016:

Actions required	Completion date	Person responsible
Non	January 2016	د. مروه فؤاد

Course coordinator: د. مروه فؤاد

Signature:

Date: September 1, 2016

Annual Course Report
(Academic Year 2015-2016)

A- Basic Information

1- Title and code: MTH 306: Mathematics-6 (Complex Analysis and Partial Differential Equation)

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

- Computer Engineering & Information Technology program
- Electronic Engineering & communication Technology program

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

4- Unit hours

Credit Hours: 2 **Lectures:** 1 **Tutorial/Exercise:** 3 **Practical**

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

6- Course coordinator: Dr. Ghada Salem & Dr. Ashraf Taha

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**363**	**100 %**
No. of students completing the course:	**No.**	**363**	**100 %**

Results:

	No.	%
Passed	338	93.1
Failed	25	6.9

Grading of successful students:		
Grade	No.	%
Excellent	100	27.5
Very Good	95	26.2
Good	85	23.4
Pass	65	17.9

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Complex numbers, arithmetic operations, polar forms.	4	4	—
➢ D'Moiver theorem, complex functions, Analytic function.	4	6	—
➢ Elementary functions of complex variables.	2	6	—
➢ Mapping, and conformal mapping, complex integrals.	4	4	—
➢ Power series & Integration by method of residues.	4	8	—
➢ Introduction to PDEs, Basic concepts of PDEs Classifications and conical forms of 2nd order linear PDEs.	4	9	—
➢ Method of separation of variables for heat equation, Wave and Laplace equations, D'Alembert solution of wave equation, Solution of PDEs using Laplace transforms.	8	9	—
Total hours	**30**	**45**	—

Topics taught as a percentage of the content specified: More than 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: A1,A5,B1,B2,B3,B11,D3,D4,D7

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving
Class activity Numerical exercises; solution of problems, Applications on the computer.
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. Ghada Salem
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: This needs a computer Lab

5- Administrative constraints (List any difficulties encountered):

List any criticisms	Response of course team
Announcing of assignments grades	We will announce these grades.

6- Comments from external evaluator(s): None

7- Written Exam Evaluation

The results of the course are normally distributed with mean at 70% and with standard deviation 20. This means that the main objectives of the course are achieved for most of the students.

8- 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
Adding applications in manufacturing technology.	Done	None

9- Action plan for academic year 2016 – 2017:

Actions required	Completion date	Person responsible
A complete sheet descripting students assessments.	Annually starting from Jun 2016	Dr. Ghada Salem

Course coordinator: Dr. Ghada Salem

Signature:

Date: November 2016

Annual Course Report
(Academic year 2015-2016)

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

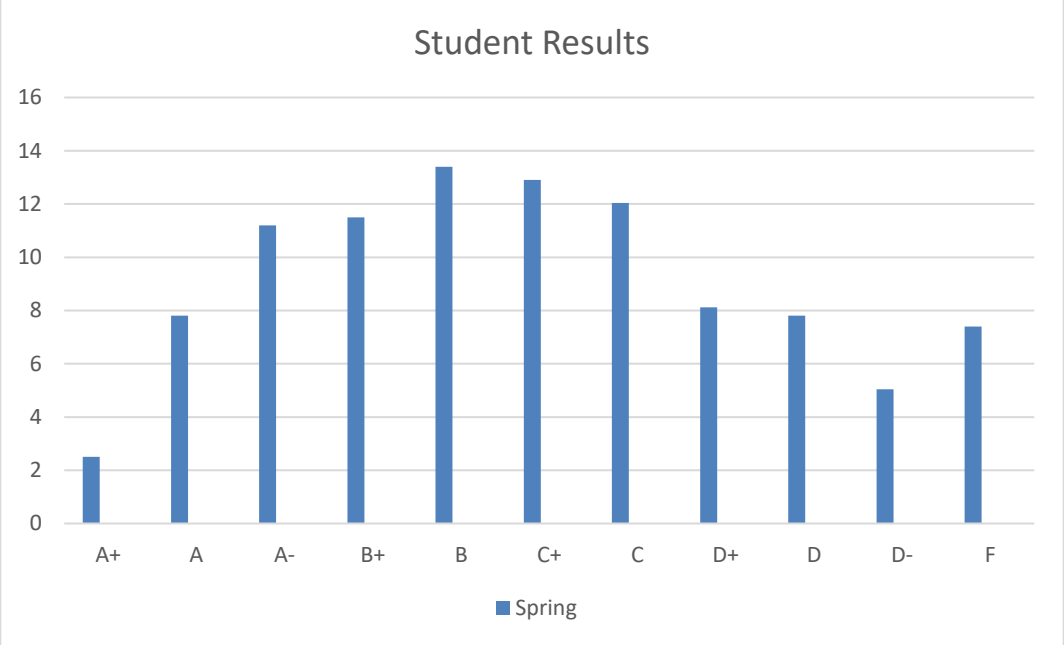
5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Said Gawish

B- Statistical Information

	Spring
No. of students attending the course	**No.** 357 **100%**
No. of students completing the course	**No.** 330 **100%**

	Spring	
	No.	**%**
Passed	**330**	**92.4**
Failed	**27**	**7.6**

	Spring	
	No.	**%**
A+	9	2.5
A	28	7.8
A-	40	11.2
B+	41	11.5
B	48	13.4
C+	46	12.9
C	43	12.04
D+	29	8.12
D	28	7.8
D-	18	5.04
F	27	7.4



C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Circiut 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: Classical lecturing using the white board

Practical training/ laboratory: according to the training course

Seminar/Workshop: Project

Class activity:

Different programs or projects

Case Study: -

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

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:

قسم الماده علي جزئين)ترمين(للاستفاده منها
لايوجد ملاحظه من افضل المواد التي قمت بدراستها من حيث استاذ الماده ومن حيث الاستفاده منها
اعطاء وقت اكبر للسكشن لزياده التمارينمع عدم استخدام كتاب المعمل بالشكل المراد
شرح المقرر في التجارب)المعمل(بطريقه توضيحيه في الكتاب ويجب احتواء الكتاب علي صور توضيحيه
وضوح شرح التجارب في كتاب المعمل
زياده المده لشرح المقرر - تزويد اللاب بأجهزه حديثه
تحسين كتاب المعمل بوضع العملى اكثر ويكون مرجع للطلبة

Response of course team

يتم زيادة عدد المسائل التى يجب حلها اثناء التمارين- يتم تسجيل 3-phase Motorفى مذكرة المعمل مع رسم منحنايات النتائج

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 carves

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 2016 – 2017

Adding three phase motor Experiments

Adding Power Electronics Experiments

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

Signature:

Date: August 2016

Fourth Level

Code	Course Name
ELC 420	Control- 2 (Digital and PLC Control)
ELC 421	Communications -2
ELC 424	Microwave Engineering
ELC 433	Radar System and Remote Sensing
ELC 434	Very Large Scale Integrated Systems (VLSI Systems)
ELC 461	Project 1
ELC 423	Electromagnetic Field Theory
CMP 421	Computer architecture

Annual Course Report
(Academic Year 2015-2016)

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 3hrs Tutorial 1hrs Practical 2hrs Total 4hrs

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

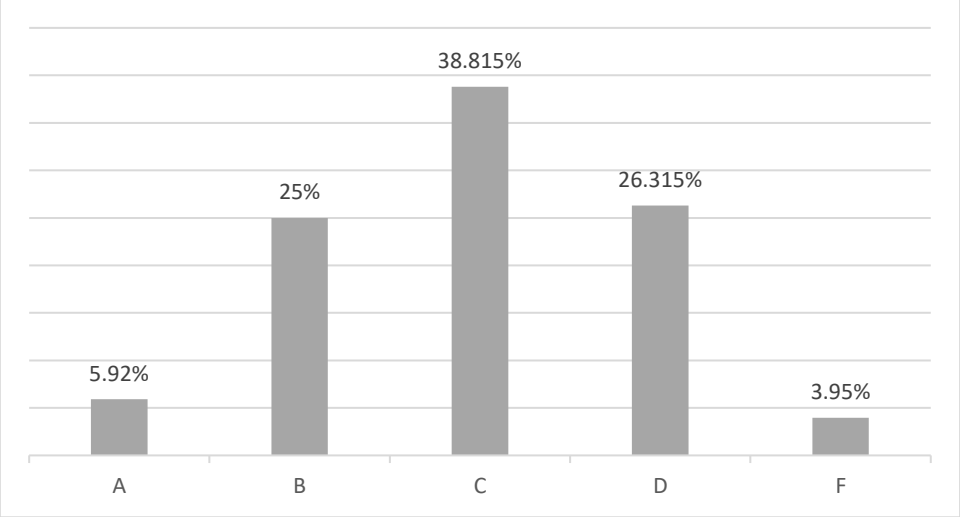
6- Course coordinator: *Prof. Dr. Magdy O. Tantawy*

B- Statistical Information:

	FALL	SPRING
No. of students attending the course		**No.** 152 ..... **%**
No. of students completing the course		**No.** 152 **100%**

Results			
	FALL	**SPRING**	
		No.	**%**
Passed		**146**	**96.05**
Failed		**6**	**3.95**

Grading of students			
	FALL	**SPRING**	
		No.	**%**
A		**9**	**5.92**
B		**38**	**25**
C		**59**	**38.815**
D		**40**	**26.315**



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

- مفيش توافق بين الدكتوروالمعيدين والدكتورة بتقول كلام والمعيدين كلام تانى
- تعامل الدكتورسيء الرجاء تغيير دكتور المادة وتقليل كمية المنهج

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

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

Signature:

Date: October2016

Annual Course Report
(Academic Year 2015-2016)

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 3hrs Tutorial 1hrs Practical 2hrs Total 4hrs

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

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

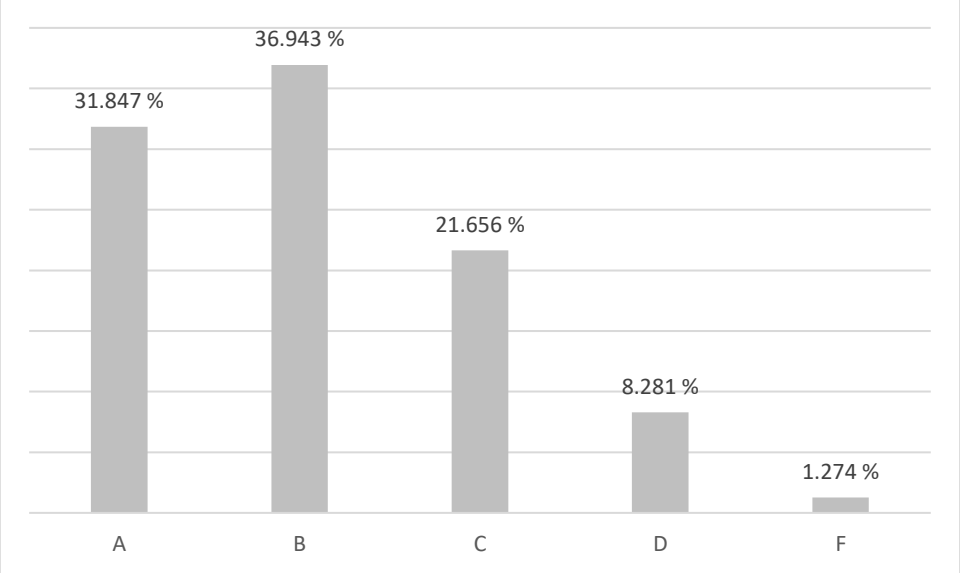
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. 157 100 %	
No. of students completing the course	No. 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:	**Response of course team**
List any criticisms	
None	None

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

None

Course coordinator: Prof. Dr. Adel El- Sherif

Signature:

Date: October2016

Annual Course Report
(Academic Year 2015-2016)

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 3hrs Tutorial 1hrs Practical 2hrs Total 4hrs

5- Names of lecturers contributing to the delivery of the course: *Dr. Mokhtar Abd El- Haleem*

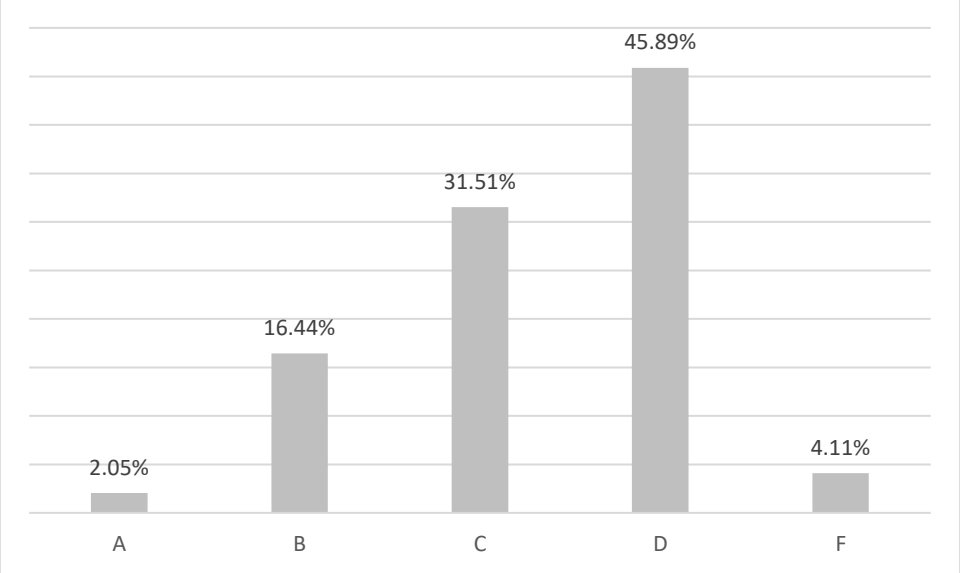
6- Course coordinator: *Dr. Mokhtar Abd El- Haleem*

B- Statistical Information:

	FALL	SPRING
No. of students attending the course		**No.** 146 ..... **%**
No. of students completing the course		**No.** 146 **100%**

Results			
	FALL	**SPRING**	
		No.	**%**
Passed		**140**	**95.89**
Failed		**6**	**4.11**

Grading of students			
	FALL	**SPRING**	
		No.	**%**
A		**3**	**2.05**
B		**24**	**16.44**
C		**46**	**31.51**
D		**67**	**45.89**



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

- انا لااستفيد من هذا المعمل
- المعمل غيرمجهزبصفة جيدة

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: None

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

8- Action plan for academic year 2016 – 2017

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

Course coordinator: *Dr. Mokhtar Abd El- Haleem*

Signature:

Date: October2016

Annual Course Report
(Academic Year 2015-2016)

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 2hrs Tutorial 3hrs Practical 0 Total 3hrs

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:

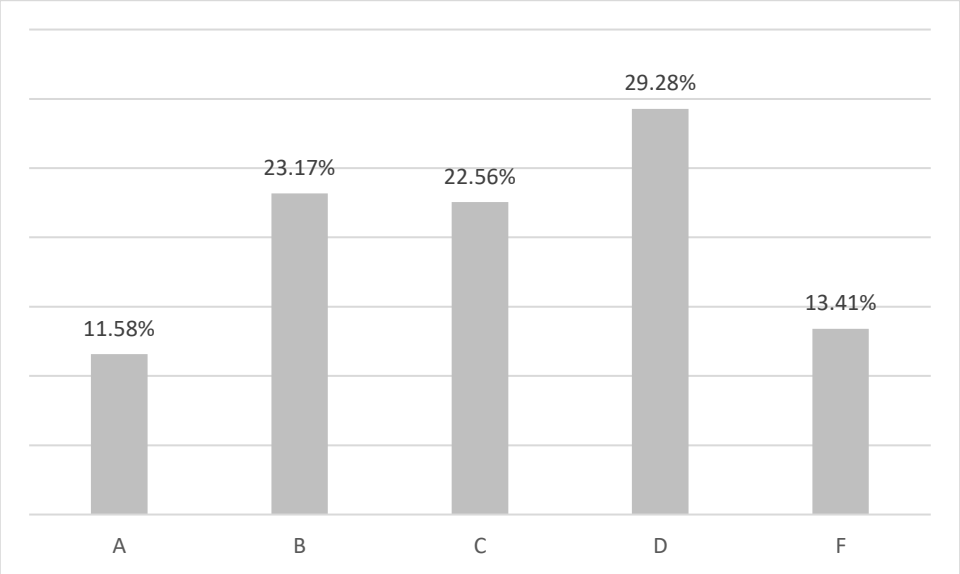
	FALL	SPRING
No. of students attending the course		No. 164 ..... %
No. of students completing the course		No. 164 100%

Results

	FALL	SPRING	
		No.	%
Passed		142	86.59
Failed		22	13.41

Grading of students

	FALL	SPRING	
		No.	%
A		19	11.58
B		38	23.17
C		37	22.56
D		48	29.28



C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecturer
• 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
• 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	—	
• 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	—	
• Secondary Surveillance Radar: 1. Basic principles. 2. Problems with Secondary Surveillance Radar. 3. Multipath.	4	4	—	
• Radar Subsystems 1. Synchronizers 2. Radar transmitters 3. Radar Receivers.	2	2	—	
• 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: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

3- Student assessment:

Written examination	70 %
Other assignments/class work	30%
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

- هذهالمادةكانلهافىنظامالفصلينمحاضرتانفىالأسبوعواصبحلها٣محاضراتفىالأسبوعينمماإضطردكتور المادةلتقليصجزئياتمهمةمنالمنهج،هذهالمادةيتمفيهاشرحجزئياتتتطلب معرفة خصائصال antennaفي نظام الرادار.
- يجبانيتمبناءمعمللهذهالمادةحتىيربالطالبكيفيةتطبيقهذهالمادةفىحياتهماليومية
- المادةكانتفىنظامالفصلينيتمشرحمحاضرتينفىالأسبوعوالآنيتمشرحمحاضرةونصفمماادىالىانهمناكنقا طكثيرةاضطردكتورالمادةالىعدمالإستفاضةبالقدرالمطلوبحتىيتمالإستفادةالكاملةمنها

Response of course team

- **سيتم تخصيص عدد (1:2)محاضرة للتعريف بالمعلومات المطلوبة ل(Radar Antenna) والتي تمكن الطالب من متابعة محتويات منهج ال (Radar systems).**
- **لا يوجد معمل يسمي معمل ال(Radar) حيث ان ال Radar) هو جهاز يؤدي وظائف محدده ولكن يوجد معامل للعلوم التي تسمي علوم ال (Radar) منها microwave, Antenna, Signal processing وهذه المعامل موجوده 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 2016 – 2017

- **سيتم تخصيص عدد (1:2)محاضرة للتعريف بالمعلومات المطلوبة ل(Radar Antenna) والتي تمكن الطالب من متابعة محتويات منهج ال (Radar systems).**

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

Signature:

Date: October2016

Annual Course Report
(Academic Year 2015-2016)

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 2hrs Tutorial 1hrs Practical 2 Total 3hrs

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

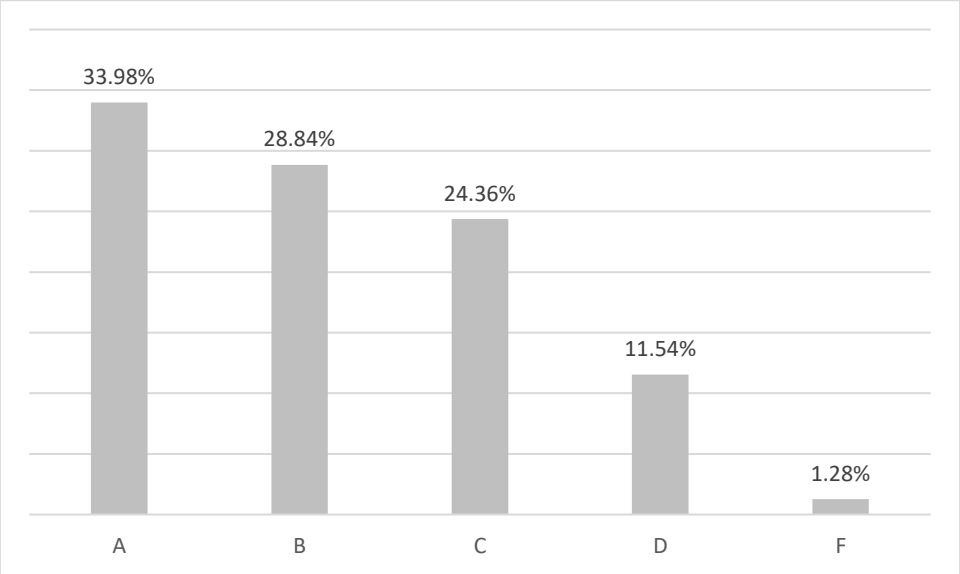
6- Course coordinator: Dr. Samir Kamal

B- Statistical Information:

	FALL	SPRING
No. of students attending the course		No. 156 ..... %
No. of students completing the course		No. 156 100%

Results			
	FALL	SPRING	
		No.	%
Passed		154	98.72
Failed		2	1.28

Grading of students			
	FALL	SPRING	
		No.	%
A		53	33.98
B		45	28.84
C		38	24.36
D		18	11.54



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: 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. Samir Kamal

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

- اهداف المقرر واضحة ولكن سرد الاسئلة فى الامتحانات طويلة وغير كافية للوقت ،، لا يتيح الدكتورالمناقشة فى ورق الاسئلة الامتحان الا بخصم درجتين للطالب
- M.T كان طويل جدا والوقت كان غيركافى ،، الدكتور لم يقبل ان نرى ورقة اجابة امتحان ال MT
- لايسمح الدكتور بالاسئلة ولا يتعامل مع الطلبة باحترام

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: Non

Course coordinator: Dr. Samir Kamal

Signature:

Date: October2016

Annual Course Report
(Academic Year 2015-2016)

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 1hrs Tutorial 1hrs Practical 2hrs Total 2hrs

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

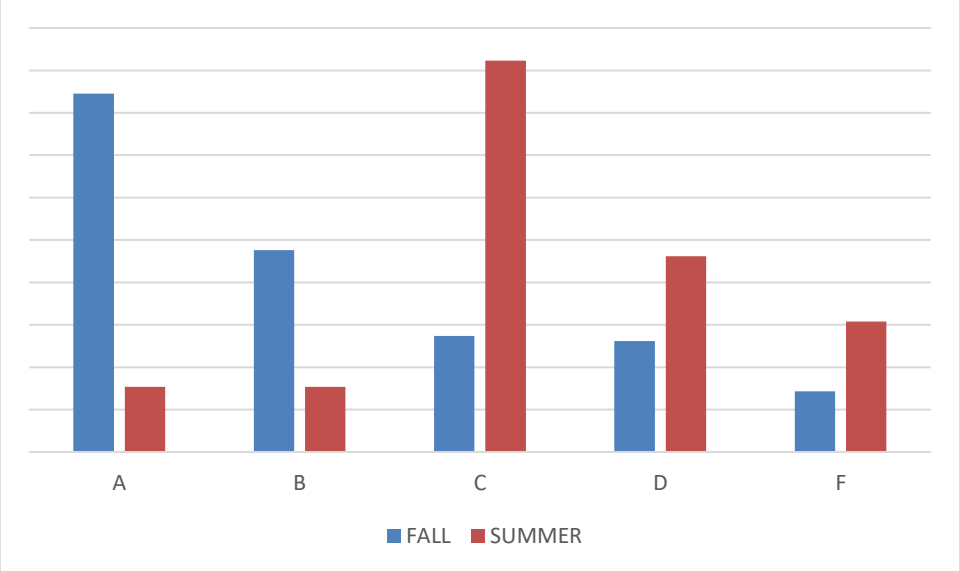
6- Course coordinator: Dr. Eman Mohammed Mahmoud

B- Statistical Information:

	FALL	SUMMER
No. of students attending the course	No. 168 ..... %	No. 13 ..... %
No. of students completing the course	No. 168 100%	No. 13 100%

Results				
	FALL		SUMMER	
	No.	%	No.	%
Passed	156	92.86	13	93.615
Failed	12	7.14	2	15.385

Grading of students				
	FALL		SUMMER	
	No.	%	No.	%
A	71	42.26	1	7.692
B	40	23.8	1	7.692
C	23	13.7	6	46.154
D	22	13.1	3	23.076



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 • Sinusoidal (RC, LC) oscillators • Non Sinusoidal oscillators	4	4	8	
Design basic analog and digital transceiver • 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: Classical lecturing using the white board and Power point slides

Practical training/ laboratory: Project Lab.

Seminar/Workshop: Weekly

Class activity:

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

Case Study: None

Other assignments/homework: weekly assignments

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

None

3- Student assessment:

Assessment Method	Timing	Grade (Degrees)
Semester Work: • 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

None.

Response of course team

None.

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. Eman Mohammed Mahmoud

Signature:

Date: October2016

Annual Course Report
(Academic Year 2015-2016)

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 2hrs Tutorial 3hrs Practical 0 Total 3hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Muhammad El-Wakeel

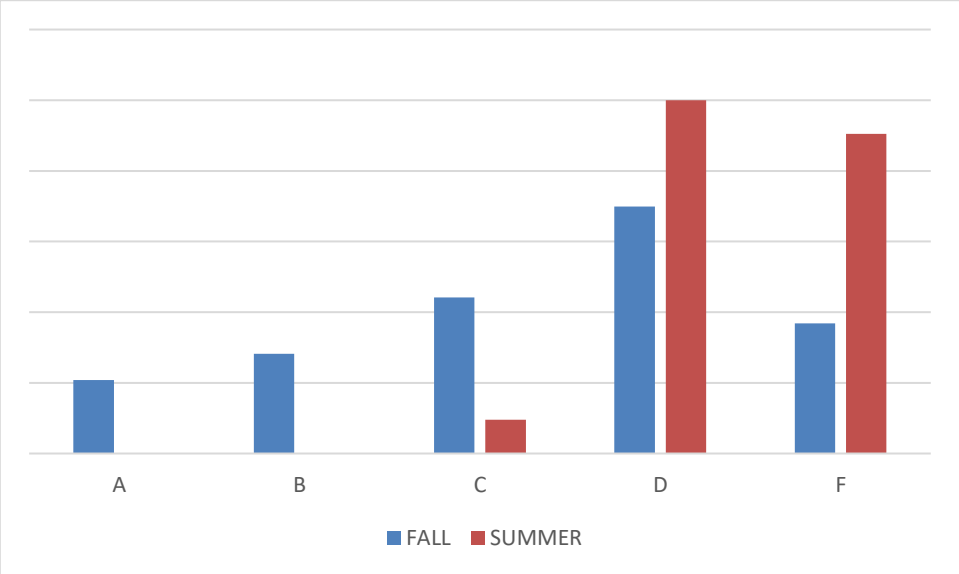
6- Course coordinator: Dr. Muhammad El-Wakeel

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. 16 3 ..... %	No. 42 ..... %
No. of students completing the course	No. 16 3 100%	No. 42 100%

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	133	81.6	23	54.76
Failed	30	18.4	19	45.24

Grading of students				
	FALL		SPRING	
	No.	%	No.	%
A	17	10.42	0	0
B	23	14.11	0	0
C	36	22.1	2	4.76
D	57	34.97	21	50



C- Professional Information:

1- 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: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

3- Student assessment:

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

- عمل الكتاب نظرى ومسائل مع بعض واعادة الفصل الاول تانى.
- تصحيح اخطاء الكتاب وتوضيح المعادلات الرياضية بطريقة ابسط
- المفترض ان المادة مادة فهم ولكن لا نستطيع فهم المادة ويقوم الدكتور والمعيدبن بتحفظينا
- نحتاج الشرح المبسط والمختصر يؤدى الى الفهم بسهولة وعدم التعمق الزائد فى الامور
- اسلوب الدكتورفى التعامل رائع جدا ولكن اسلوب الشرح والفهم ضعيف جداجداجدا

Response of course team
Students are weak in Math.

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

- Book will be revised to simplify.
- Oral discussion for home work and assignments should be carry out to discover the good understanding of students.

Course coordinator: Dr. Muhammad El-Wakeel

Signature:

Date: October2016

Annual Course Report
(Academic year 2015-2016)

A- Basic Information

1- Title and code: Computer architecture (CMP 421)

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

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

3- Year/Level of program: Junior

4- Unit hours 2

Lectures 2hrs Tutorial 2hrs Practical – hrs Total 3hrs

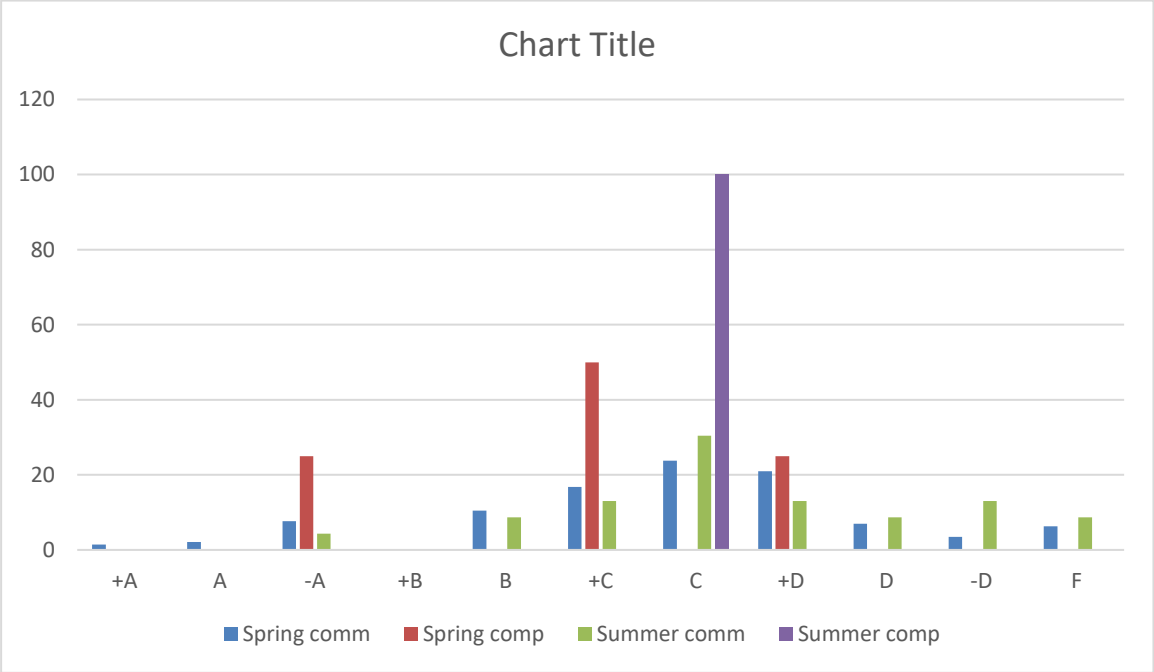
5- Names of lecturers contributing to the delivery of the course: Dr. Seham Ebrahim

B- Statistical Information

	Results			
	Spring (comm.)	**Spring comp**	**Summer (comm.)**	**Summer comp**
No. of students attending the course	**No.** 143 **100%**	**No.** 4 **100%**	**No.** 23 **100%**	**No.** 1 **100%**
No. of students completing the course	**No.** 134 **93.706%**	**No.** 4 **100%**	**No.** 21 **91.304%**	**No.** 1 **100%**

	Student Results							
	Spring comm. (2016)		**Spring comp(2016)**		**Summer comm. (2016)**		**Summer comp(2016)**	
	No.	%	No.	%	No.	%	No.	%
Passed	**134**	**93.706**	**4**	**100**	**21**	**91.304**	**1**	**100**
Failed	**9**	**6.294**	**0**	**0**	**2**	**8.696**	**0**	**0**

	Spring (Comm.)		Spring (Comp)		Summer (Comp)		Summer (comp)	
Grads.	No.	%	No.	%	No.	%	No.	%
+A	2	1.399	0	0	0	0	0	0
A	3	2.098	0	0	0	0	0	0
-A	11	7.692	1	25	1	4.348	0	0
+B	0	0	0	0	0	0	0	0
B	15	10.490	0	0	2	8.696	0	
+C	24	16.783	2	50	3	13.043	0	0
C	34	23.776	0	0	7	30.435	1	100
+D	30	20.979	1	25	3	13.043	0	0
D	10	6.993	0	0	2	8.696	0	0
-D	5	3.497	0	0	3	13.043	0	0
F		6.294	0	0	2	8.696	0	0



C- Professional Information

1- Course Teaching:

Topic	Lecture hours	Lecture
➢ Basic Structure of computers	2	Dr. Seham Ebrahim
➢ Addressing Modes	4	
➢ Arithmetic and logic units	4	
➢ Memory unit	4	

➢ Secondary storage	4	
➢ Computer Architecture.	4	
➢ Operating system support	4	
➢ Programming the basic computer	3	
➢ Seminars	1	
Total hours	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:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory: none

Seminar/Workshop: yes

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination	70 %
Practical examination	0 %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	**100 %**

Members of examination committee

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent .....

Inadequate .....

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:

الدكتور يشرح من خلال البوربوينت وهذا لا يكفللشرح لذلك نرجو من الدكتورة تحليل المادة لانها مادة مهمة كما نرجوا الشرح على السبورة كبديل ونرجوا اضافة جزء عمللمادة حتى يتم ربط المادة بالواقع الخارجى وحتى يسهل تصور ماتم دراسته فلا يقتصر على مادة يتم حفظها

Response of course team

يتم شرح جزء على السبورة وحيث ان المنهج طويل فلابد من استخدام البور بوينت ولا زال المنهج حديثا

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Course enhancement:

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

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

9- Action plan for academic year 2016 – 2017

Condensing the exercise of all parts of course

Increasing the time before the exam as the course includes number of parts

Course coordinator: Dr. Seham Ebrahim

Signature:

Date: August 2016

Annual Course Report

Academic year 2015-2016

A- Basic Information

1- Course Code & Title: Numerical Method with Computer Application (CMP 413)

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

- Computer Engineering & Information Technology program
- Electronic Engineering & communication Technology program

3- Year/Level of program: Seventh Semester

4- Unit hours

hours 2 hrs. Lectures: 2 hrs. Tutorial 3 hrs. Practical

5- Names of lecturers contributing to the delivery of the course: Dr. Ghada Salem

6- Course coordinator: Dr. Ghada Salem

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**160**	**100 %**
No. of students completing the course:	**No.**	**160**	**100 %**

Results:

	No.	%
Passed	148	92.5
Failed	12	7.5

Grading of successful students:		
Grade	No.	%
Excellent	30	19
Very Good	30	19
Good	39	24.4
Pass	49	31.1

C- Professional Information

1 – Course teaching

	Topic	Lecture	Actual	Tutorial hours
1	Curve fitting and linear Approximation of a function.	3	3	3
2	Polynomial interpolation and error estimation in the interpolation formula	2	2	2
3	Lagrange interpolation	2	2	2
4	Newton –interpolation & computer Application	2	2	2
5	Hermit interpolation.	2	2	2
6	Newton-Cotes formula, composite Newton-cotes formula	2	2	2
7	Romberg – Steifel integration method & computer Application	2	2	2
8	Numerical solution of initial value problems	3	3	3
9	Numerical solution of first order methods Rung- Kutta methods	4	4	4
10	Multistep methods & Application .	2	2	2
11	Numerical solution of linear and non-linear equation, Gauss-Seidel method.	2	2	2

12	Numerical solution of nonlinear equations the fixed point iteration method,	2	2	2
13	Newton-Raphson method& computer Application.	2	2	2
	Total hours	**30**	**30**	**30**

Topics taught as a percentage of the content specified: More than 92 %
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: A1,A5,B1,B2,B3,B11,D3,D4,D7

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving
Class activity Numerical exercises; solution of problems, Applications on the computer.
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. Ghada Salem
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: This needs a computer Lab

5- Administrative constraints (List any difficulties encountered)

List any criticisms	Response of course team
Announcing of assignments grades	We will announce these grades.

7- Comments from external evaluator(s): None

8- Written Exam Evaluation

The results of the course are normally distributed with mean at 70% and with standard deviation 20. 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
Adding applications in manufacturing technology.	Done	None

9- Action plan for academic year 2016 – 2017

Actions required	Completion date	Person responsible
A complete sheet descripting students assessments.	Annually starting from January 2016	Dr. Ghada Salem

Course coordinator: Dr. Ghada Salem

Signature:

Date: November 2016