Electronic Engineering and Communication Technology B.Sc.

Program Report

(2014 – 2015)- *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

(2014-2015)- *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 2014-2015

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 hr

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

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

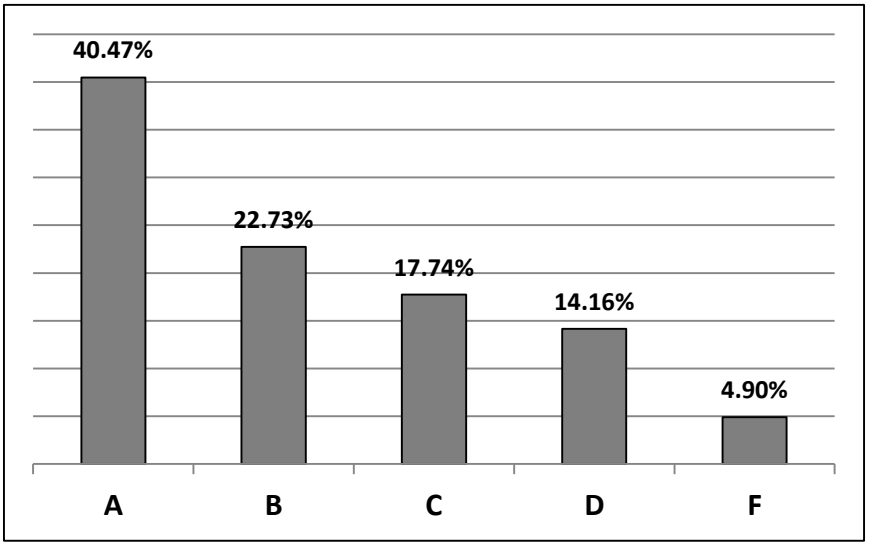
B- Statistical Information:

1- No. of students attending the course:	**No.**	**1200**	**100**	**%**
2- No. of students completing the course:	**No.**	**1144**	**95.33**	**%**

3- Results:

	No.	%
Passed	1088	95.10
Failed	56	4.89

Grading of successful students:		
Grade	**No.**	**%**
A	463	40.46
B	260	22.72
C	203	17.74
D	162	14.16



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: 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
a1 to a12	b1 to b7	c1 to c6	d1 to d5

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Prof. Dr. Shaban RagabGouda
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 reasor 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 2014. One more is planned for May 2015

9- Action plan for academic year 2015 – 2016

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 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

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

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 Semester

4- Credit hours

Credit: 2 hrs **Lectures:** 2 hrs **Tutorial:** - **Practical:** -

5- Names of lecturers contributing to the delivery of the course: Dr. شيماء نبيه

6- Course coordinator: Dr شيماء نبيه

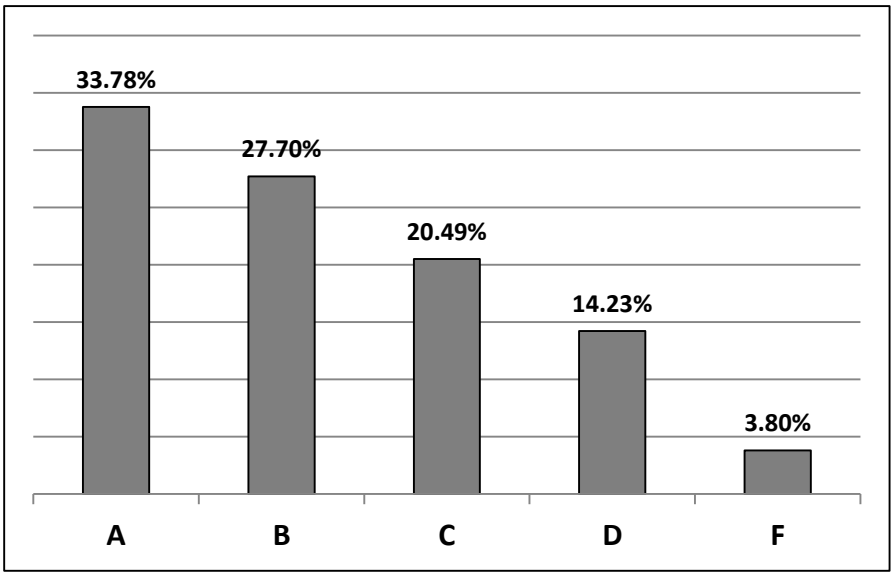
B- Statistical Information

4- No. of students attending the course:	**No.**	**580**	**100**	**%**
5- No. of students completing the course:	**No.**	**527**	**90.86**	**%**

6- Results:

	No.	%
Passed	507	96.20
Failed	20	3.79

Grading of successful students:		
Grade	**No.**	**%**
A	178	33.77
B	146	27.70
C	108	20.49
D	75	14.23



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)	7	7	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)	7	7	
(بناء الاسرة – تكوين الاسرة – التنشئة الاجتماعية – النسق الاسري والانساق الاخري – المؤسسات التقليدية والحديثة الخاصة بالاسرة)	8	8	
(مهارات العمل الجماعي – اهمية العمل الفريقي – الفارق بين العمل الجماعي والفريقي – كيفية اعداد القادة)	8	8	
Total hours	30	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

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Dr. شيماء نبيه
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	يري بعض عدم اهمية لدراسة العلوم الانسانية في لطلاب كلية الهندسة	تخصيص اكثر من محاضرة لتوضيح اهمية دراسة العلوم الانسانية في الحياة العملية بجانب 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- Written Exam Evaluation

8- 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:

9- Action plan for academic year 2015– 2016

Actions required	Completion date	Person responsible
Non	January 2015	Dr shimaa nabih

Course coordinator: Prof. Dr. شيماء نبيه

Signature:

Date: September 1, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

1- Course Code & Title: (GEN142) English Language

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

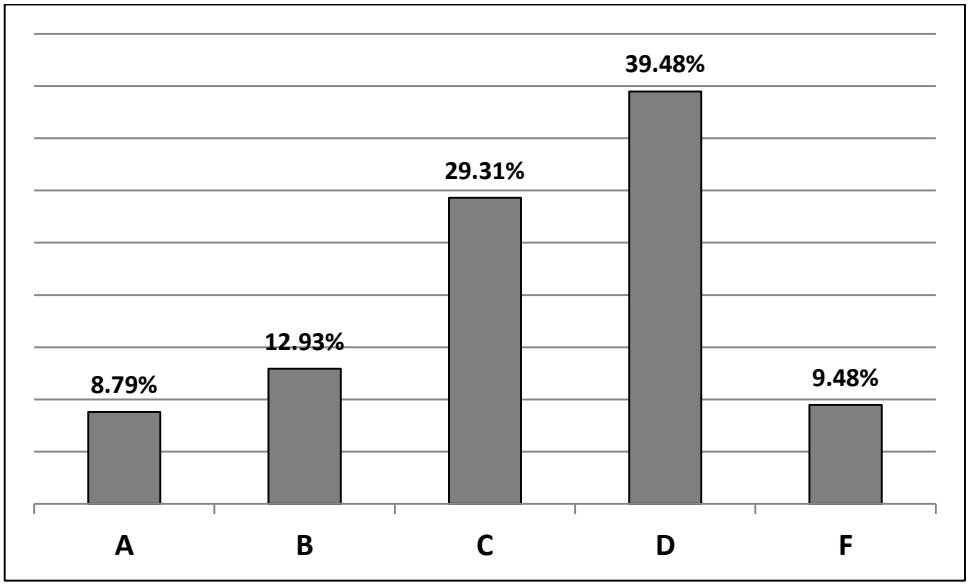
B- Statistical Information

7- No. of students attending the course:	**No.**	**620**	**100 %**
8- No. of students completing the course:	**No.**	**580**	**93.6 %**

9- Results:

	No.	%
Passed	525	90.51
Failed	55	9.48

Grading of successful students:		
Grade	**No.**	**%**
A	51	9.71
B	75	14.28
C	170	32.38
D	229	43.61



C- Professional Information:

1 – Course teaching

Topic	Lecture hours	Lecturer
Computer Hackers	2	Dr. Neveen Samir
At the Doctor's Reviewing tenses Reading	2	
At the Doctor's(to be continued) Grammar: perfect tenses& prefixes	2	
Global Warming Reading Speaking : English communication skills Suffixes & adj.&adv.	2	
Computer Addiction Reading: 53-55 Seaking: discussing the topic Grammar: adjectives	2	
Earthquake Reading: 59-61 Grammar: Suffixes	2	
Words and their Stories Reading Grammar: wh-questions and negatives	2	
Revision **7th week Exam**	2	
Describing People &Things **Reading :** **Grammar:**adj.& adv	2	
Describing People &Things (to be contiued) **Reading :** **Grammar : relative clauses**	2	
Qualities and Flaws Speak**:** dicussing qualities and flaws of each one (pair work **Grammar:** Possession Pronouns+ Adjectives	2	
Qualities and Flaws (to be continued) **List. & Speak:**dicussing the topic	2	
People Idioms **Grammar:**gerund "& to infinitive & adjectives with prepositions	2	
English proverbs **Grammar: problem verbs**	2	
Revision	2	
Total hours	**30**	

Topics taught as a percentage of the content specified:

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: Non
Seminar/Workshop: Non
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: Non

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	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: 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 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- Written Exam Evaluation:

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

8- 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
NON	NON	NON

9- Action plan for academic year 2015 – 2016:

Actions required	Completion date	Person responsible
NON	NON	NON

Course coordinator: Prof. Dr Neveen

Signature:

Date: September 1, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information:

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

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:** -

6- Names of lecturers contributing to the delivery of the course:
Prof.Dr.Eng. Hassan Awad - Dr. Moamen Wafaie - Dr. ShymaaLotfy

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

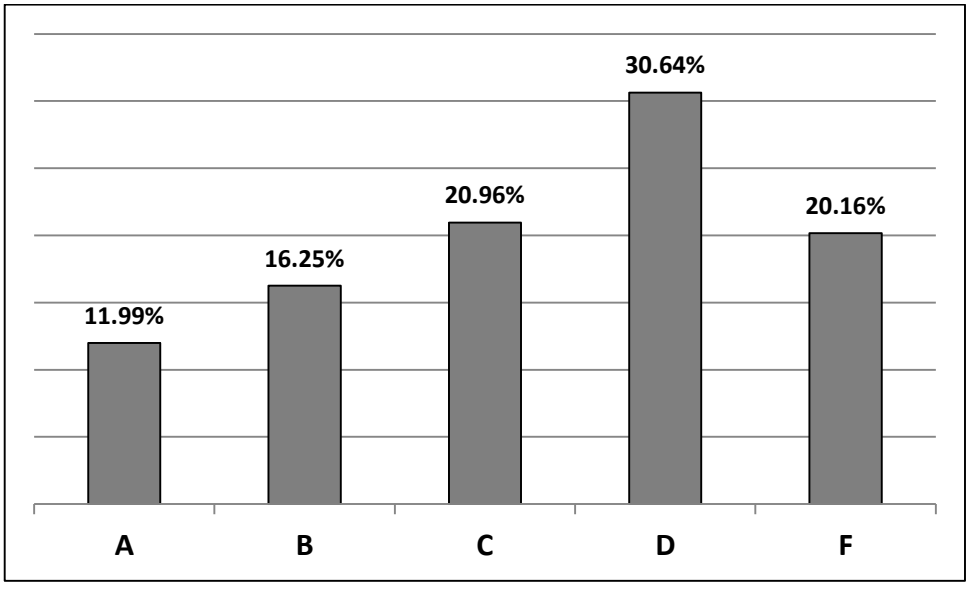
B- Statistical Information:

No. of students attending the course:	**No.**	**1200**	**100 %**
No. of students completing the course:	**No.**	**1126**	**93.8 %**

Results:

	No.	%
Passed	899	79.8
Failed	227	20.2

Grading of successful students:		
Grade	**No.**	**%**
A	135	12.2
B	183	16.1
C	236	20.9
D	345	30.6



	Topic	Lecture hours	Tutorial hours	Lecturer
1	Forces in plane	2	2	Prof.Dr.Eng. Hassan Awad - Dr. Moamen Wafaie – Dr. ShymaaLotfy
2	Component of a Force- Rectangular Component – Resultant	2	3	
3	Force in space	4	6	
4	Force defined by its magnitude and two points on its line of action	2	4	
5	Moment of a force about a point	2	2	
6	Rectangular Components of the moment of a Force	2	4	
7	Moment of a fore about a specified axis- moment of a couple	2	4	
8	Equivalent system – Resultants of a force and couple sys	3	4	
9	Support reaction in plane	4	6	
10	Support reaction in space	3	4	
11	Trusses	4	6	
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 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. MoamenWafaie and
Dr. ShymaaLotfy

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- 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.

8- 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
None	None	None

9- Action plan for academic year 2015 – 2016:

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Prof.Dr.Eng. Hassan Awad

Signature:

Date: September 24, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information:

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

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: second Semester

4- Credit hours:

Credit 2 hrs **Lectures** 1 hrs **Tutorial** 3 **Practical** -

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

6- Course coordinator: Prof.Dr. Hassan Awad

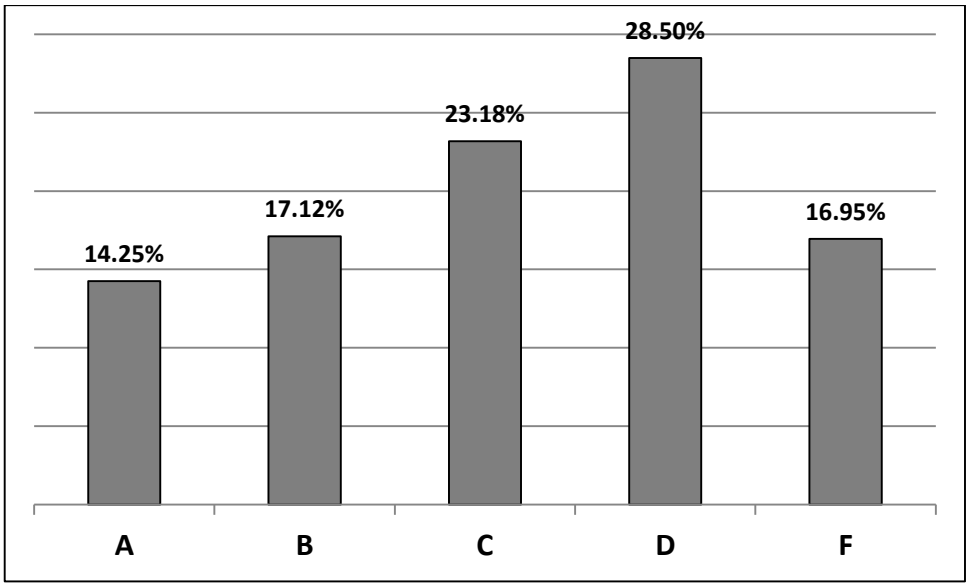
B- Statistical Information:

No. of students attending the course:	**No.**	**1221**	**100 %**
No. of students completing the course:	**No.**	**1221**	**1000 %**

Results:

	No.	%
Passed	1014	83.05
Failed	207	16.95

Grading of successful students:		
Grade	**No.**	**%**
A	174	14.25
B	209	17.12
C	283	23.18
D	348	28.5



C- Professional Information:

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

1-Contents:

Topic	Lecture hours	Tutorial hours
➢ Rectilinear Motion of particles.	1	4
➢ Determination of the motion of a particle.	1	4
➢ Graphical Solution of Rectilinear Motion.	1	4
➢ Curvilinear Motion of particle, Free Flight Motion.	2	4
➢ Curvilinear Motion of particle:		
➢ Normal and Tangention.	1	4
➢ Plane Curvilinear Motion.	1	4
➢ Polar Coordinates.	1	4
➢ Kinetics of Particles, Force and acceleration.	2	4
➢ Kinetics of Particles Energy and Momentum Methods	2	4
➢ Motion under a conservative central force.	1	4
➢ Principle of Impulse and Momentum for particle.	2	5
Total hours	**15**	**45**

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 b2	c1 to c3	d1 to d2

2- Teaching and learning methods:

Lectures: Lecture, discussions, 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	20	20
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Prof.Dr. Hassan Awad
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- Course enhancement:

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

7- Action plan for academic year 2015 – 2016

Actions required	Completion date	Person responsible
Non	December 2013	Prof. Dr. Hassan Awad

Course coordinator: Prof. Dr .Hassan Awad

Signature:

Date: October , 2015

Annual Course Report
Academic year 2014-2015

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** 2hrs **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. SabryAbd El-Aziz

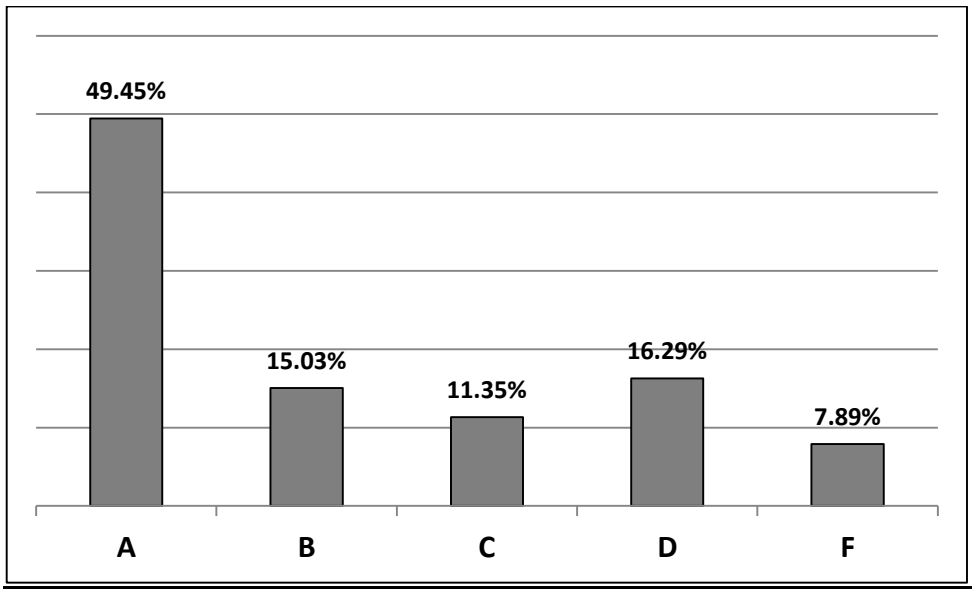
B- Statistical Information:

No. of students attending the course:	**No.**	**1389**	**100 %**
No. of students completing the course:	**No.**	**1357**	**97.7 %**

Results:

	No.	%
Passed	1250	92.12
Failed	107	7.88

Grading of successful students:		
Grade	**No.**	**%**
A	671	49.45
B	204	15.03
C	154	11.35
D	221	16.29



C- Professional Information:

1 – Course teaching:

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

More than 85 %

Topics taught as a percentage of the content specified:
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. OsamaandDr. Sabry
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- 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

8- Action plan for academic year 2015 – 2016

Actions required	Completion date	Person responsible
Adding more exercises, assignments reports and quizzes	September , 2015	Dr. Sabry

Course coordinator: Dr. Sabry Abd El-Aziz

Signature:

Date: February, 2015

Annual Course Report
Academic year 2014-2015

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** 3hrs **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

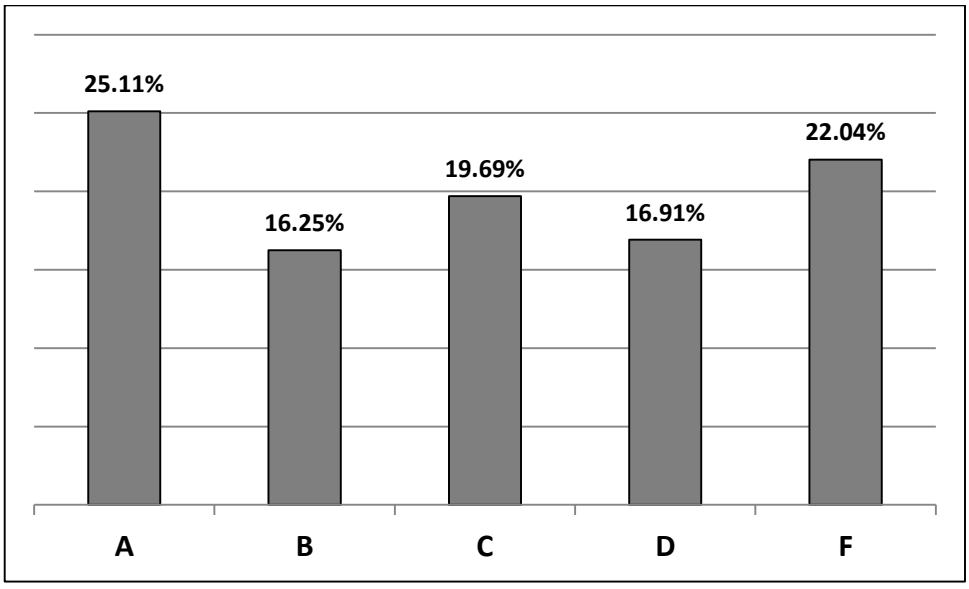
B- Statistical Information:

10- No. of students attending the course:	**No.**	**1407**	**100 %**
11- No. of students completing the course:	**No.**	**1366**	**97.1 %**

12- Results:

	No.	%
Passed	1065	77.96
Failed	301	22.04

Grading of successful students:		
Grade	**No.**	**%**
A	343	25.11
B	222	16.25
C	269	19.69
D	231	16.91



C- Professional Information:

1 – Course teaching:

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

More than 90 %

Topics taught as a percentage of the content specified:

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- 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		

8- Action plan for academic year 2015 – 2016

Actions required	Completion date	Person responsible
Adding more exercises, assignments reports and quizzes	December 2015	Prof. Dr. Sabry

Course coordinator: Dr Sabry Abd El Aziz

Signature:

Date: October5, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information:

1- Course Code & Title: (PHY101) 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.Marwa Y. Shoeib

6- Course coordinator: Dr.Marwa Y. Shoeib

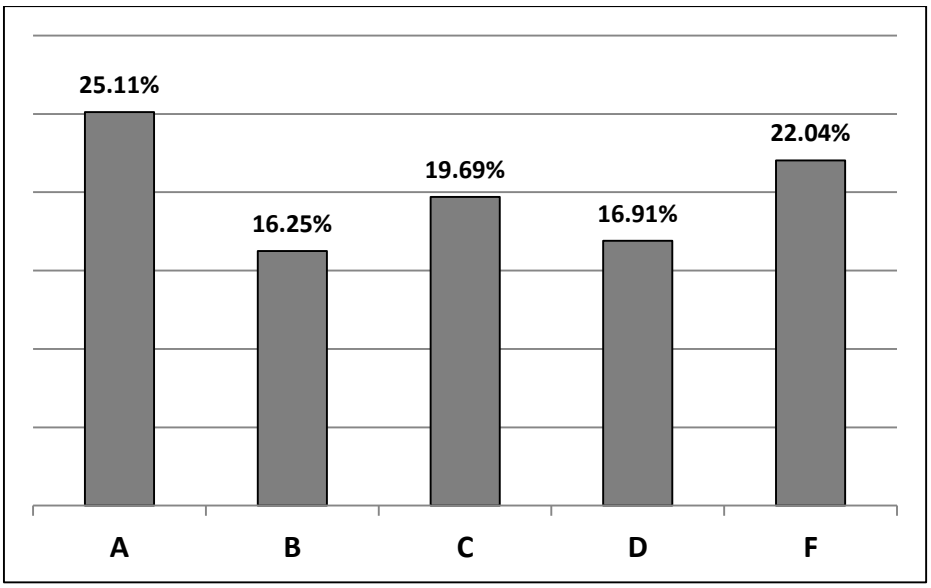
B- Statistical Information:

No. of students attending the course:	**No.**	**1242**	**100 %**
No. of students completing the course:	**No.**	**1242**	**100 %**

Results:

	No.	%
Passed	1136	91.47
Failed	106	8.53

Grading of successful students:		
Grade	**No.**	**%**
A	461	37.12
B	258	20.77
C	214	17.23
D	203	16.34



C- Professional Information

1 – Course teaching

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

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

Reasons in detail for not teaching any topic: There was no time

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

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials and problem solving

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

Seminar/Workshop: Non

Class activity Exercises; solution of problems and data show.

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

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

Members of examination committee: Dr.Marwa Y. Shoeib and Dr. Nagat A. Elmahdy

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- 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.

8- 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.

10- Action plan for academic year 2015 – 2016

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.	December2016	All group members and course instructors

Course coordinator: Dr.Marwa Y. Shoeib
Signature:
Date: October6, 2015

Annual Course Report
Academic year 2014-2015

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. Abo el Yazeed - Dr.Marwa Y. Shoeib - Dr. Nagat A. Elmahdy

6- Course coordinator: Dr. El-Tawab Kamal

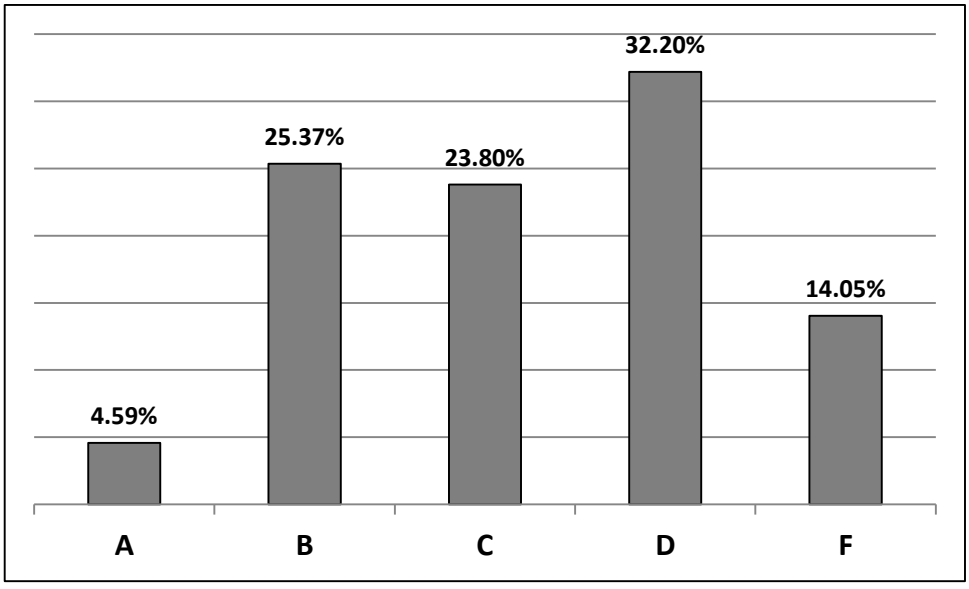
B- Statistical Information:

No. of students attending the course:	**No.**	**1025**	**100 %**
No. of students completing the course:	**No.**	**1025**	**100 %**

Results:

	No.	%
Passed	881	85.95
Failed	144	14.05

Grading of successful students:		
Grade	**No.**	**%**
A	47	5.33
B	260	25.51
C	244	27.70
D	330	37.46



C- Professional Information:

1 – Course teaching:

Topics	Lecture hours	Lecturer
• Charge and Matter, The Electric Field, Gauss' law	12	Dr. El-Tawab Kamal
• Gauss's law applications	8	
• Electric Potential	6	
• Capacitors and Dielectric	6	
• Current and Resistance, Electromotive force and Circuits	8	
• Ampere's law, Inductance	6	
• Magnetic Properties of matter	4	
• Electromagnetic Waves, Physical Optics, Polarization of light	4	
• Interference of light, Diffraction of light	6	
• Diffraction of light, Some applications	2	
Total hours	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- 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.

8- 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

9- Action plan for academic year 2015 – 2016

Actions required	Completion date	Person responsible
1. adding more assignments reports and quizzes for Chapters1 and 4	December 2016	Prof. Dr. El-Tawab Kamal

Course coordinator: Dr El-Tawab Kamal

Signature:

Date: September 2015

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 2014-2015

A- Basic Information:

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

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

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

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

4- Credit hours

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

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

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

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

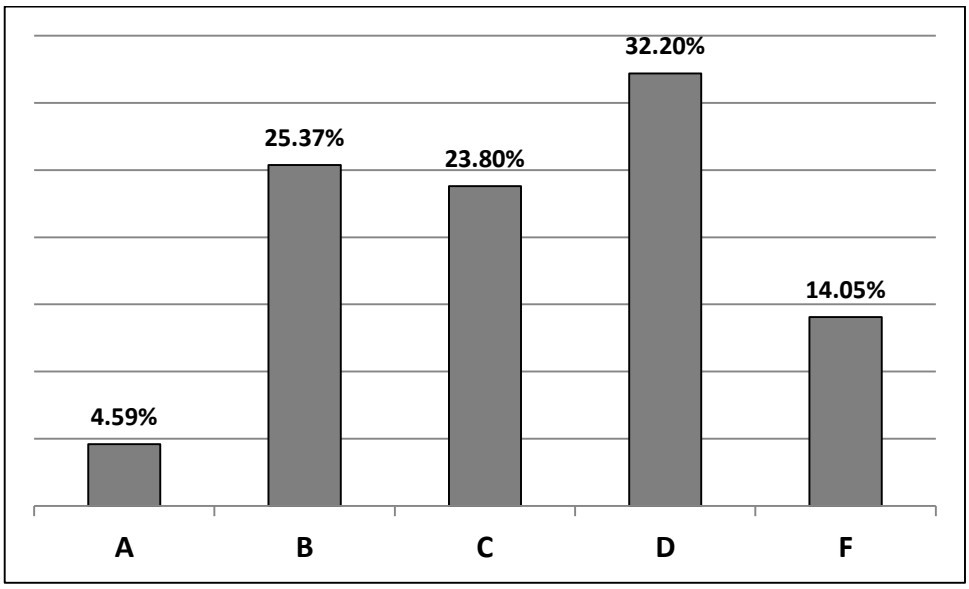
B- Statistical Information:

No. of students attending the course:	**No.**	**328**	**100 %**
No. of students completing the course:	**No.**	**320**	**97.56 %**

Results:

	No.	%
Passed	310	96.8
Failed	10	11.5

Grading of successful students:		
Grade	**No.**	**%**
A	35	10.9
B	60	18.8
C	80	25
D	145	45.3



C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Introduction to quantum physics	1		
➢ Classical and modern theory of light	1		1
➢ Plank's explanation for black body radiation	1	2	2
➢ Photo electric effect	1	2	2
➢ Compton experiment	1	2	2
➢ Compton scattering	2	2	
➢ Particles behaving as a wave and particle wave complementarily	1	2	2
➢ Introduction to wave mechanics	2	2	1
➢ The uncertainty principle	2	2	1
➢ Wave function for free particle	1		
➢ Wave function of the particle	3	2	1
➢ The simple harmonic oscillator	2	2	1
➢ Scanning tunneling microscopy	2	2	
➢ Introduction to atomic physics	1		
➢ Models of atoms	2	2	1
➢ Bonding mechanisms	2	4	1
➢ Bonding in solids	3	2	
➢ Classical free electron model of metals	3	2	
Total hours	**30**	**15**	**30**

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

Reasons in detail for not teaching any topic: Non

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

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

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

Seminar/Workshop: Non

Class activity Numerical exercises; solution of problems.

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- 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.

8- 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
Add more experiments to physics Laboratory	December 2014	4 experiments are already added on September 2015.

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- 4	December 2015	Prof. Dr L. I. Soliman

Course coordinator: Prof. Dr L. I. Soliman
Signature:
Date: Feb. 2015

Annual Course Report
Academic year 2014-2015

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

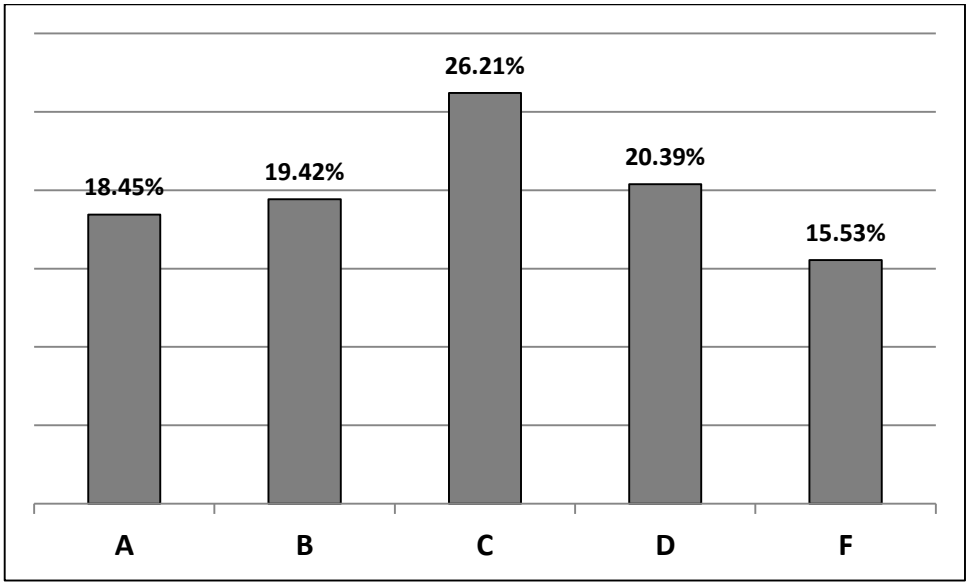
B- Statistical Information:

No. of students attending the course:	**No.**	**402**	**100 %**
No. of students completing the course:	**No.**	**348**	**87 %**

Results:

	No.	%
Passed	348	87
Failed	64	13

Grading of successful students:		
Grade	**No.**	**%**
A	76	18.9
B	80	19.9
C	108	26.87
D	84	20.8



3 – Contents:

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Introduction to semiconductors	1		
➢ Classify different types of semiconductors	1		1
➢ Crystal structure and band structure of semiconductor	1	2	2
➢ Conduction in different types of semiconductor	2	2	2
➢ P-N junction	1	2	2
➢ Forward and revers biased 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 structure, basic configuration and I-V characteristics	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. SeragEldeen
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Written Exam Evaluation:

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

8- 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
(e) Add more experiments to physics Laboratory	may 2015	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 2015	Prof. Dr L. I. Soliman

Course coordinator: Prof. Dr L. I. Soliman
Signature:
Date: June2015

Annual Course Report
Academic year 2014-2015

A- Basic Information:

1- Course Code & Title: (MTH203) 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, 2015

4- Credit hours:

Credit 3hrs **Lectures:** 2hrs **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

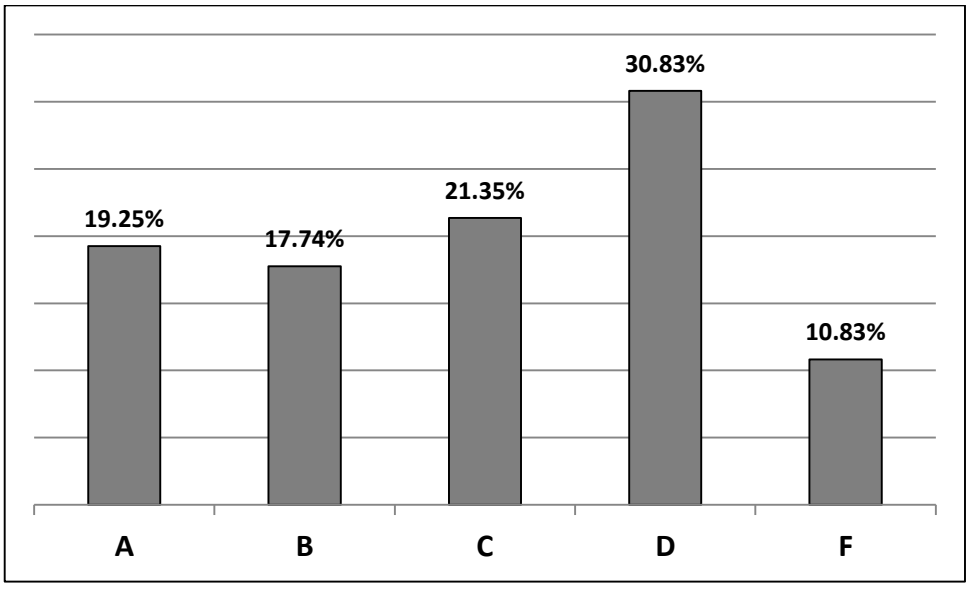
B- Statistical Information

No. of students attending the course:	**No.**	**662**	**100 %**
No. of students completing the course:	**No.**	**662**	**100 %**

Results:

	No.	%
Passed	593	89.58
Failed	72	10.88

Grading of successful students:		
Grade	**No.**	**%**
A	128	19.34
B	118	17.82
C	142	21.45
D	205	30.97



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 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- Written Exam Evaluation:

- Low success percentage in question 2 of the final written exam implies the need to revise the teaching and learning activity of the methods of solution for the second and higher differential equations, by adding more exercises.

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
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: October1, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information:

1- Course Code & Title: (MTH204) 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, 2015

4- Credit hours:

Credit 3hrs **Lectures:** 2hrs **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

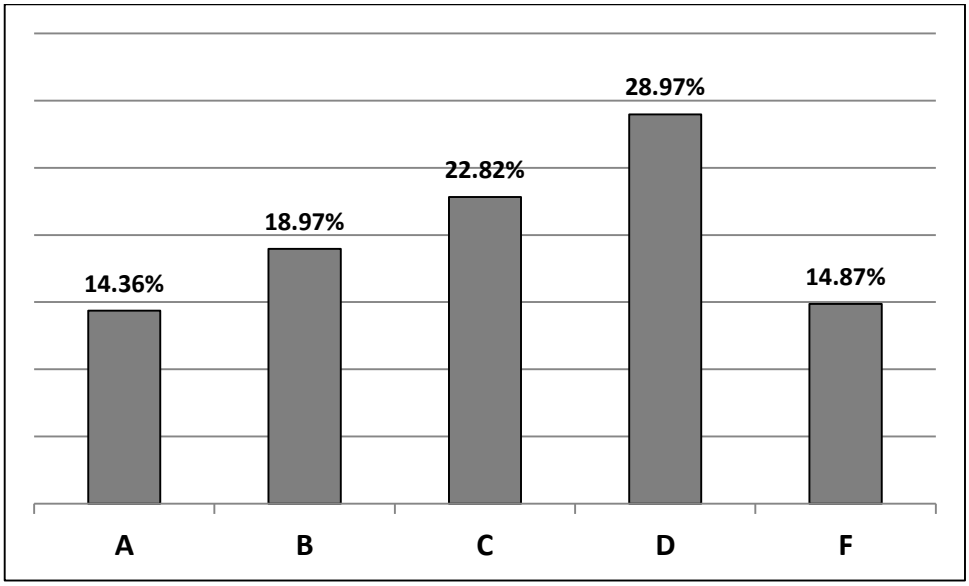
B- Statistical Information:

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

Results:

	No.	%
Passed	332	85.13
Failed	58	14.87

Grading of successful students:		
Grade	**No.**	**%**
A	56	14.36
B	74	18.97
C	89	22.82
D	113	28.97



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: Dr. Ashraf Tahaand - Dr.Moamen Wafaie

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- 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 the double and triple integral, by adding more exercises, assignments reports and quizzes.

8- 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: June11, 2015

Annual Course Report
(Academic Year 2014-2015)

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

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

4- Unit hours: 2

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

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

Prof. Dr. Said Refai – Dr. Haytham Gamal

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

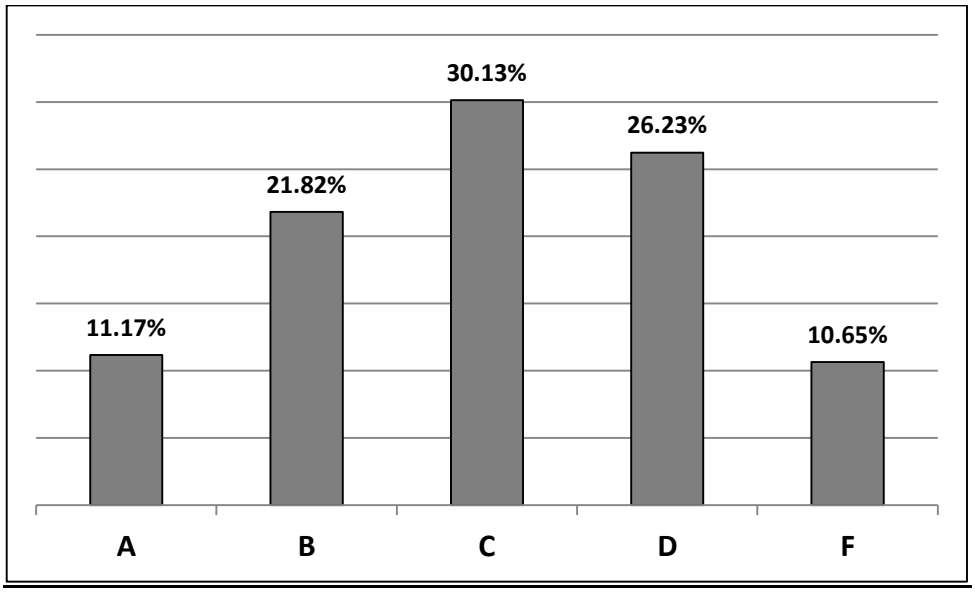
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. 385 100%	No. 53 100%
No. of students completing the course	No. 344 89.351%	No. 32 60.377%

Results				
	FALL		SUMMER	
	No.	%	No.	%
Passed	344	89.351	32	60.377
Failed	41	10.649	21	39.623

Grading of students				
	FALL		SUMMER	
	No.	%	No.	%
A	43	11.168	0	0
B	84	21.819	1	1.887
C	116	30.13	4	7.548
D	101	26.234	27	50.943
F	41	10.649	21	39.623



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
لايتناسب كمية المقرر مع الوقت المحدد لدراستها

6- External Reviewer Comments:
المقرر به عدد كبيرمن مخرجات التعلم

7- Response to external reviewer comments:
تم تخفيض مخرجات التعلم للمقرر لتصبح ٢٢ مخرج

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

7- Action plan for academic year 2015 – 2016
Modify the exercises for different topics special power calculation

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

Signature:
Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

1- Title and code: Civil Engineering Technology - (ARC 210)

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

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

3- Year/Level of program: Level Two

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. AdhamElAlfy

6- Course coordinator: Prof. Dr. Adham El-Alfy

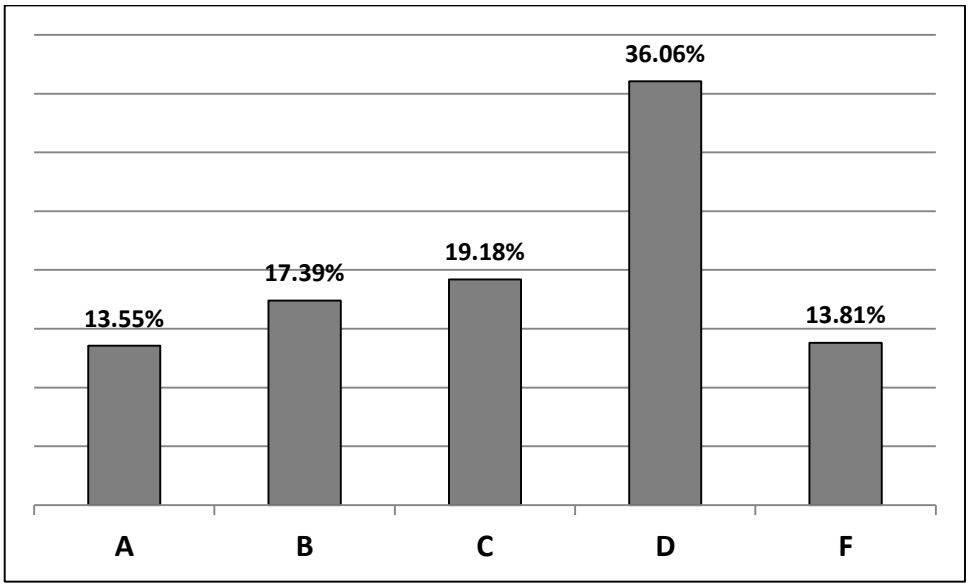
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SUMMER
No. of students attending the course	No. 391 100%	No. 44 100%
No. of students completing the course	No. 337 86.189%	No. 40 90.909%

Results				
	FALL		SUMMER	
	No.	%	No.	%
Passed	337	86.189	40	90.909
Failed	54	13.811	4	9.091

Grading of students				
	FALL		SUMMER	
	No.	%	No.	%
A	53	13.554	1	2.273
B	68	17.391	1	2.273
C	75	19.181	25	56.818
D	141	36.061	13	29.545
F	54	13.811	4	9.091



C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours
• Introduction	2	2
• Fundamentals of surveying	2	2
• Measurement of areas from maps and measurement of angles	2	2
• Leveling	2	2
• Computation of volumes	2	2
• Soil mechanics	2	2
• Highway and airports engineering	2	2
• Railway engineering	2	2
• Environmental engineering	2	2
• Building construction	2	2
• Foundations	2	2
• Building materials	2	2
• Quantities and specifications	2	2
• Isolating layers	2	2
• General revision	2	2
Total hours	**30**	**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: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Prof. Dr. Adham ElAlfy

4- Administrative constraints

- **List any difficulties encountered:** None

5- Student evaluation of the course:

List any criticisms

- الدكتور لايعطى الطالب حقة فى امتحانات الميت ترم حتى اذا كانت الخطوات الصحيحة وينظر فقط الى الناتج الاخير لايعطى اى درجات على القوانين والخطوات وهذا ظلم شديد
- مادة غير مفيدة نهائي

6- External Reviewer Comments:

المقرر ليست به مخرجات للمهارات المهنية والعلمية

7- Response to external reviewer comments:

تم إضافة مهارات مهنية وعملية للمقرر

٨- 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

٩- Action plan for academic year 2015 – 2016: None

Course coordinator: Prof. Dr. Adham ElAlfy

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

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 Two

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. 4 100%	No. 326 100%	No. 12 100%
No. of students completing the course	No. 4 100%	No. 319 97.853%	No. 9 75%

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	4	100	319	97.853	9	75
Failed	0	0	7	2.147	3	25

Grading of students						
	FALL		SPRING		SUMMER	
	No.	No.	No.	%	No.	%
A	0	0	43	13.190	3	25
B	1	25	105	32.208	1	8.333
C	0	0	98	30.061	2	16.667
D	3	75	73	22.392	3	25
F	0	0	7	2.147	3	25

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 very low.
- Student's may have a lot of questions but in most times but fear of asking the doctor.

5- Student evaluation of the course:

List any criticisms

- تقليل الاجزاء النظري من المقرر
- اجهزة اللاب يجب ان تكون دقيقة وكافية العدد
- الدكتور غير قادر على جذب لانتباة والشرح الجيد. لابد من التزام المعيدة بعدد السكاشن المحدد لها فى الاسبوع وعدم السماح لها ان تاتُى بسكاشن اضافية فى الاسبوع

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 2015 – 2016

Increase number of problems solved in tutorial periods

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

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

1- Title and code: Logic Design -1 - (CMP 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 Two

4- Unit hours 2

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

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

Prof. Dr. MOHI-EIDIN RATEB

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

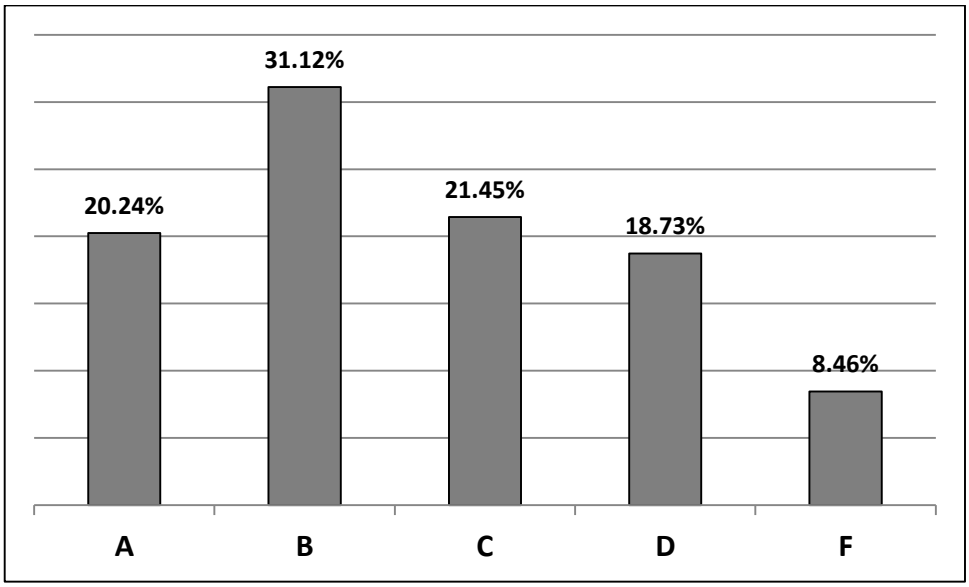
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. 331 100%	No. 43 100%	No. 7 100%
No. of students completing the course	No. 303 91.541%	No. 34 79.07%	No. 6 85.714%

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	303	91.541	34	79.07	6	85.714
Failed	28	8.459	9	20.930	1	14.286

Grading of students						
	FALL		SPRING		SUMMER	
	No.	%.	No.	%	No.	%
A	67	20.241	0	0	1	14.286
B	103	31.117	3	6.977	0	0
C	71	21.450	9	20.930	3	42.857
D	62	18.731	22	51.162	2	28.571
F	28	8.459	9	20.930	1	14.286



C- Professional Information:

1 – Course teaching:

3 – Contents

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Introduction	3	1	-
• Basic Definitions.			
• Laws of Boolean algebra.			
➢ Logic Functions Representation & Realization	2	1	3
• Methods of representation of logic functions truth table, S.O.P and			
• Realization of logic functions using AND-OR_NOT, NAND only and NOR only gate systems.	1	1	
• Matching logic functions with gate systems.			
➢ Logic function minimization	2	1	-
• Using basic laws of Boolean.	1		
• Using karnaugh map minization.	1	2	-
• Using Quine-Mc Clusky's Methods.	1		
• Minimization of multiple-output Logic Functions.	1	1	-
➢ Combinational logic modules	2	1	2
• Half and full adders, Parallel adder connection, look ahead carry.			
➢ Decoders and de-multiplexers	1		2
➢ Encoders	1		
➢ Data selectors (multiplexers)	1		
• Parity checkers.	1	1	2
• Read only memories.	2		2

• Binary comparators.	2		2
➢ Sequential logic circuit elements • State diagram and state table representation of sequential circuits.	2		-
➢ Asynchronous and synchronous sequential elements • S-R Flip-Flop, and J-K Flip Flop.	2	1	3
• D Flip-Flop, and T Flip Flop.	2	1	3
• Racing in sequential circuits.	1		-
• Master-slave and Edge-triggered Flip-Flops.	2		2
➢ Sequential logic circuit modules • Introduction.	1		-
➢ Registers and shift registers	3	1	2
➢ Asynchronous and synchronous counters	4	2	3
➢ Counter using shift-registers (Johnson and ring counters)	3		1
➢ Random access memories (basic cell, addressing and read-write operations)	3	1	3
Total hours	**45**	**15**	**30**

percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: 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

4- Administrative constraints

List any difficulties encountered:

- Weakness of some key concepts such as: how data is represented using bit patterns – numbering systems – number base conversions – binary codes – binary arithmetic.
- Many typing errors in lecture not book especially in questions parts and solutions at the end of each chapter

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 2015 – 2016: None

Course coordinator: Prof. Dr. MOHI-EIDIN RATEB

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

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 Two

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

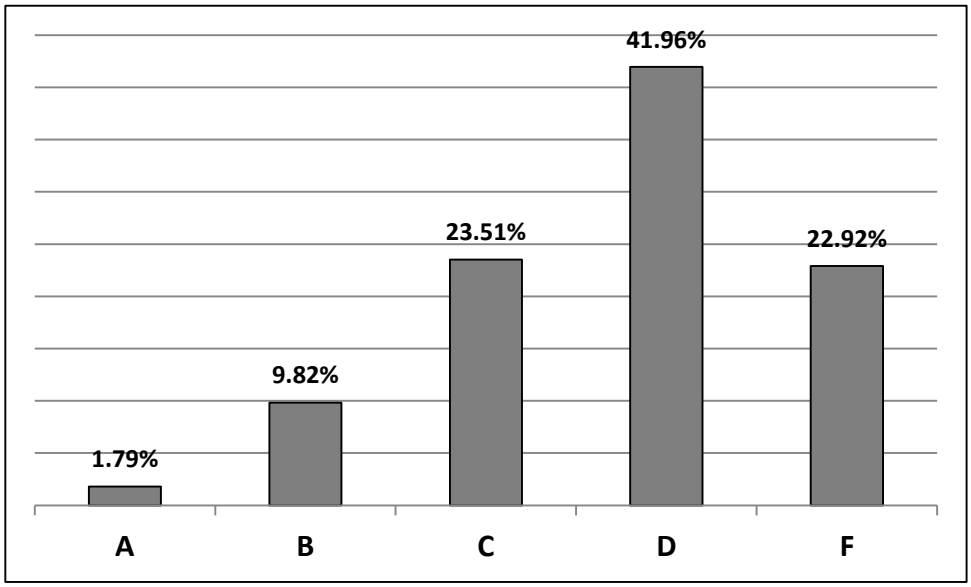
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. 5 100%	No. 336 100%	No. 70 100%
No. of students completing the course	No. 1 20%	No. 259 97.853%	No. 50 71.429%

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	1	20	259	97.853	50	71.429
Failed	4	80	77	22.917	20	28.571

Grading of students						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
A	0	0	6	1.785	0	0
B	0	0	33	9.821	1	1.429
C	1	20	79	23.511	18	25.714
D	0	0	141	41.964	31	44.285
F	4	80	77	22.917	20	28.571



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

- المنهج كبير على مدة الترم لكن الاستفادة جيدة جداً
- يوجد اخطاء كتيرة في الكتاب
- لابد من وجود كتاب اضافى للتمارين والمسائل واجابة الاسئلة

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: None

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

8- Action plan for academic year 2015 – 2016

Add another method for solving frequency selective circuit problems

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

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

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

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 Two

4- Unit hours 2

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

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

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

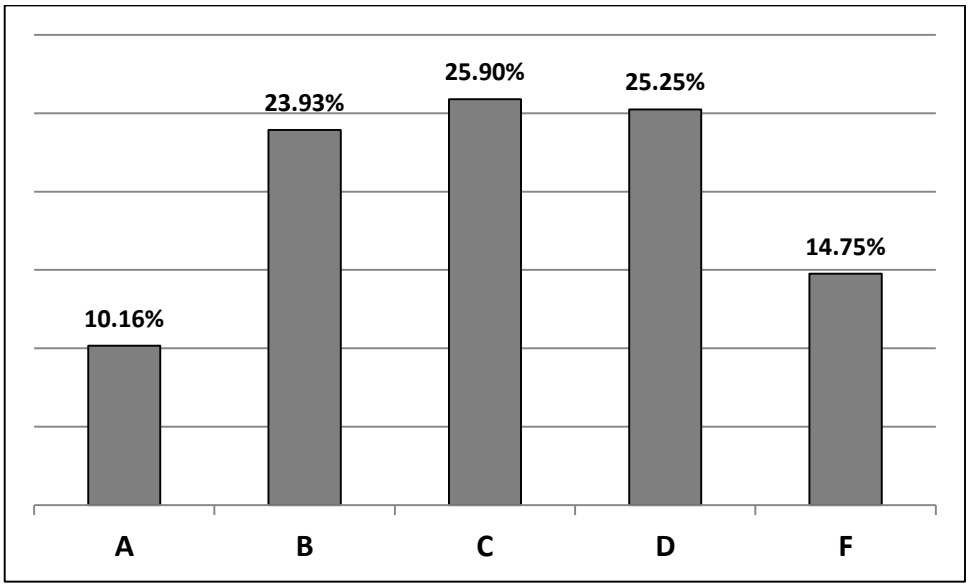
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	SPRING	SUMMER
No. of students attending the course	No. 305 100%	No. 52 100%
No. of students completing the course	No. 260 85.246%	No. 47 90.385%

Results				
	SPRING		SUMMER	
	No.	%	No.	%
Passed	260	85.246	47	90.385
Failed	45	14.754	5	9.615

Grading of students				
	SPRING		SUMMER	
	No.	%	No.	%
A	31	10.164	0	0
B	73	23.934	7	13.461
C	79	25.901	26	50
D	77	25.245	13	25
F	45	14.754	5	9.615



C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Introduction	2	3	-
• Basic Definitions and basic operation.			
• Data representation and storage, fixed point and floating point formats.			
• Applications of data structure.			
➢ Arrays	3	2	-
• 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.			
➢ Linear lists	3	2	-
• Definitions and properties.			
• Stacks, definition, push, pop operation.			
• Queues, definition, insertion, and deletion from circular queues.			
• De-queues, definition, and basic operations.			
➢ Linked lists	4	4	-
• Basic structures of header-free and header linked lists.			
• Representation in memory.			
• Travering and searching linked lists for sorted and unsorted linked lists.			
• Insertion and definition algorithms.			
• Two-way lists.			
➢ Trees	7	8	-

• Basic definitions and structure.			
• Representation of binary trees in memory.			
• Linked representation.			
• String array representation.			
• Terminating binary sequence (TBS) representation.			
• Transformation of a general tree into binary tree.			
• Transferring tree and transversal algorithms using stacks (Preorder, in			
• Threads and in order threading.			
• Path length and Huffman's tree achieving using Huffman's algorithms.			
➢ Searching			
• Introduction and searching types.			
• Scanning.			
• Direct scanning and controlled scanning.			
• Binary search algorithms.	6	7	-
• Binary search trees.			
• Definition.			
• Searching and insertion into B.S.T.			
• Deletion from a B.S.T.			
• Building a B.S.T			
➢ Sorting			
• Introduction.			
• Sorting algorithms using selection, exchange, insertion techniques.			
• Complexity of algorithms.	5	4	-
• Bubble sort algorithms as an example for exchange technique.			
• Binary sort (quick sort) algorithm.			
• Heap sort algorithms.			
Total hours	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

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination	70 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	10 %
Total	**100 %**
Members of examination committee	Prof. Dr. Mohi-Eldin Rateb

4- Administrative constraints

List any difficulties encountered

- Weakness of some key concepts such as: how data is represented using bit patterns – numbering systems – number base conversions – binary codes – binary arithmetic.
- Many typing errors in lecture not book especially in questions parts and solutions at the end of each chapter

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 2015 – 2016: None

Course coordinator: Prof. Dr. Mohi-Eldin Rateb

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

1- Title and code: Mechanical Engineering Technology - (MNF 210)

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

3- Year/Level of program: Level Two

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

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

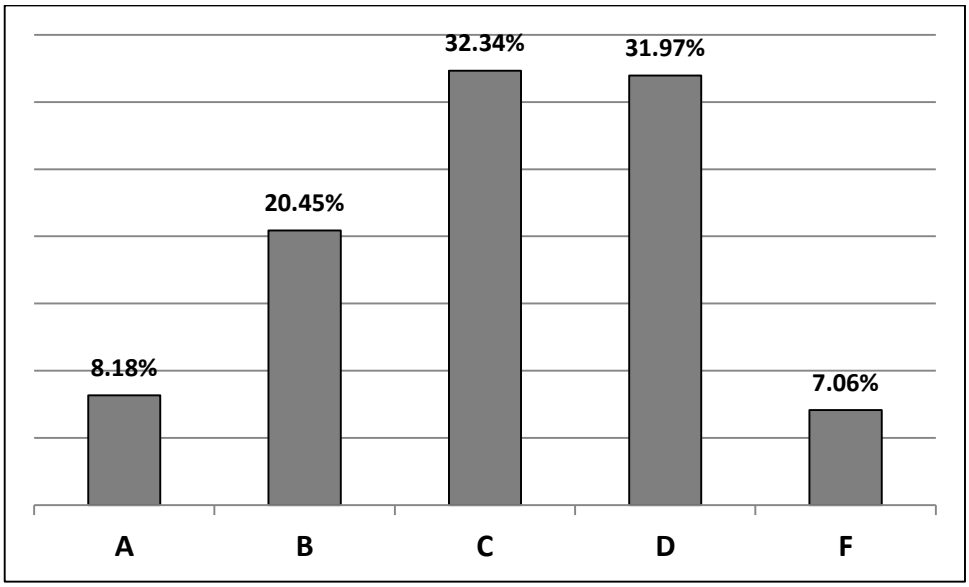
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	SPRING	SUMMER
No. of students attending the course	No. 269 100%	No. 24 100%
No. of students completing the course	No. 250 92.937%	No. 22 91.667%

Results				
	SPRING		SUMMER	
	No.	%	No.	%
Passed	250	92.937	22	91.667
Failed	19	7.063	2	8.333

Grading of students				
	SPRING		SUMMER	
	No.	%	No.	%
A	22	8.187	0	0
B	55	20.446	3	12.5
C	87	32.342	8	29.629
D	86	31.970	11	45.833
F	19	7.063	2	8.333



C- Professional Information

1 – Course teaching:

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

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

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

Members of examination committee Prof. Dr. Metwally H. Metwally - Prof. DrAbdelmagid A. Abdalla

4- Administrative constraints

List any difficulties encountered

- None

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 2015 – 2016: None

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

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

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

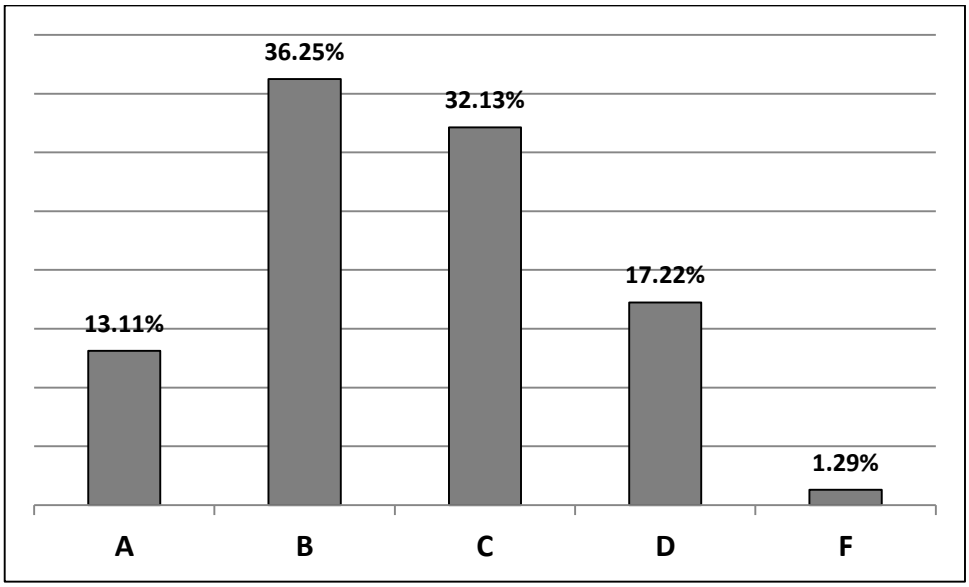
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. 389 100%	No. 6 100%
No. of students completing the course	No. 384 98.715%	No. 6 100%

Results				
	FALL		SUMMER	
	No.	%	No.	%
Passed	384	98.715	6	100
Failed	5	1.285	0	0

Grading of students				
	FALL		SUMMER	
	No.	%	No.	%
A	51	13.110	0	0
B	141	36.246	1	16.667
C	125	32.133	3	50
D	67	17.223	2	33.333
F	5	1.285	0	0



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.	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: Technical report/ CV writing / Work Biography

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

3- Student assessment: Presentation / Technical report / CV writing / Work Biography

Written examination	70 %
Mid-Term (Technical report)	12 %
Presentation /class work	10 %
Personnel CV	5 %
Factory / Company Biography	3 %
Total	**100 %**

Members of examination committee Dr. LubnaFekry

4- Administrative constraints

List any difficulties encountered

- Limited time for all students to present well
- Not adequate class work degrees compared with final exam degree.
- No assistants.

5- Student evaluation of the course:

List any criticisms

- المادة تفيد فى طريقة التعامل مع باقى الناس ويفيد فى طريقة عرض اى فكرة وتعطى ثقة بالشخصية
- انا مش عارف امتحان المادة هيجى فى اية واظن هذة المادة زيادة فى الساعات المعتمدة فقط لا غير
- اضافة المراجع او جزء منها بشانُ بعض جزيئات المواد بغرض التوضيح

6- External Reviewer Comments:

المقرر ليس له إمتحان Midterm

7- Response to external reviewer comments:

سوف يتم عمل إمتحان Midterm لكل المواد الإنسانية بداية من العام الدراسي ٢٠١٥/٢٠١٥

8- Course enhancement:

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

Extra interesting discussion for students, better arranging through groups

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

9- Action plan for academic year 2015 – 2016

Upgrades and developments are always in progress and execution. New free talking topics that students' concern with is in our plan. Extra lectures for MS office principles will occur in students demand. We feel relax and better every year than previous one

Everything will run well if the 3-reasons I mentioned before been solved:

- Limited time for all students to present more
- No assistant.
- Or another prof. sharing me in teaching some groups

Course coordinator: Dr. LubnaFekry

Signature:

Date: October 2015

3rd 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 2014-2015)

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 Three

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

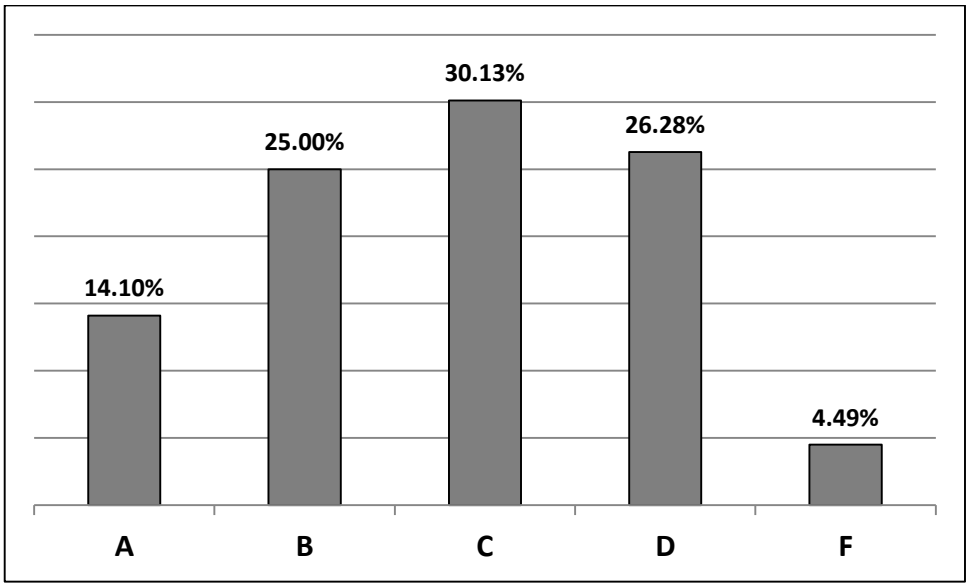
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	**No.** 156.....%	**No.** 12 ..... %
No. of students completing the course	**No.** 156 **100%**	**No.** 12 **100%**

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	149	95.5	11	91.6
Failed	7	4.5	1	8.4

Grading of students				
	FALL		SPRING	
	No.	%	No.	%
A	22	14.76	0	0
B	39	26.17	3	27.2
C	47	31.57	4	36.4
D	41	27.5	4	36.4



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

- الوقت المتاح للمادة اثناء الترم الواحد لايكفى للدراسة الجيدة للمادة ومعرفة كل محتويات المادة اى ان المادة صعب جدا ان تدرس على ترم واحد بهذا الكم
- وقت الامتحان غير كافى للاجابة على كمية الاسئلة الموجودة
- دكتور مجدى طنطاوى لايستطيع تقبلنا وتقبل مستوى عقليتنا

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 2015 – 2016
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: Ass. Prof. Dr. Magdy O. Tantawy

Signature:

Date: October2015

Annual Course Report
(Academic Year 2014-2015)

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 Three

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. Hany Tawfik*

6- Course coordinator: *Prof. Dr. Hany Tawfik*

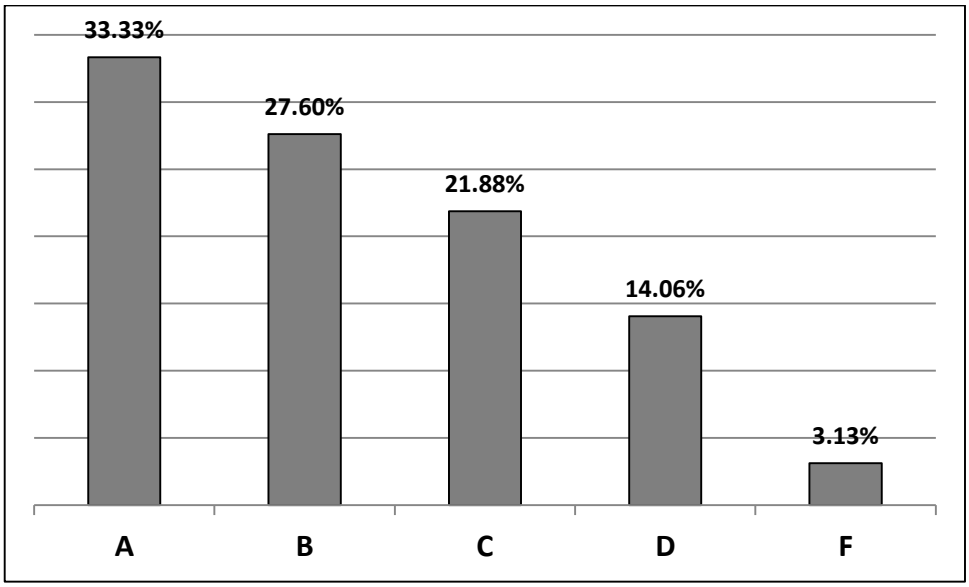
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course		No. ١٩٢ ١٠٠ %
No. of students completing the course		No. ١٨٦ ٩٦,٨٨%

Results			
	FALL	SPRING	
		No.	%
Passed		١٨٦	٩٦,٨٨
Failed		٦	٣,١٢

Grading of students			
	FALL	SPRING	
		No.	%
A		٦٤	٣٤,٤١
B		٥٣	٢٨,٤٩
C		٤٢	٢٢,٥٨
D		٢٧	١٤,٥٢



C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
Basics of digital instruments.	4	2	2	*Prof. Dr. Hany Tawfik*
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	٦٠ %
Practical examination	٢٠ %
Other assignments/class work	١٠ %
Mid-Term Exam	١٠ %
Total	**100 %**

Members of examination committee: *Prof. Dr. Hany Tawfik*

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 2015 – 2016

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

Course coordinator: *Prof. Dr. Hany Tawfik*

Signature:

Date: October2015

Annual Course Report
Academic year 2014-2015

A- Basic Information:

1- Course Code & Title: (MTH 305) Introduction to Prob. 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

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

4- Credit hours:

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

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

6- Course coordinator: Dr. S. Shenawy

7- External evaluator: Non

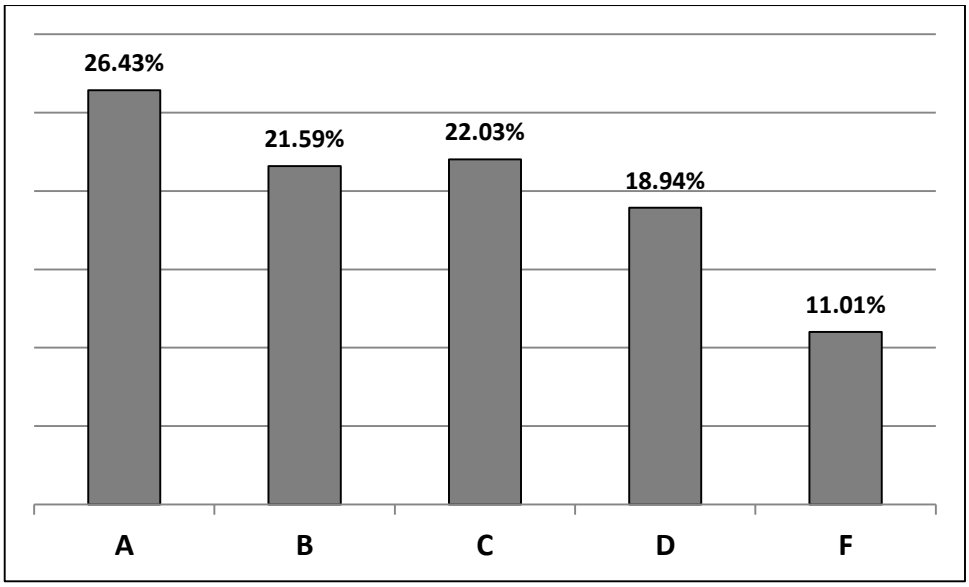
B- Statistical Information:

1- No. of students attending the course:	**No.**	**197**	**100**	**%**
2- No. of students completing the course:	**No.**	**197**	**100**	**%**

3- Results:

	No.	%
Passed	172	87.31
Failed	25	12.69

Grading of successful students:		
Grade	**No.**	**%**
A	30	15.23
B	49	24.87
C	50	25.38
D	43	21.83



C- Professional Information:

1 – Course teaching:

	Topic	Lecture	Actual	Tutorial hours
1	Introduction, Sample space, Axioms of probability	2	2	6
2	Conditional probability Bay's theorem	2	2	6
3	Random variables.	1	1	3
4	Binomial distribution.	2	2	6
5	Normal distribution.	1	1	3
6	Cumulative distribution.	1	1	3
7	Standard normal distribution.	1	1	3
8	Introduction to Statistics, measure of location (sample mean)	2	1	6
9	Median and mode.	1	1	3
10	Measures of variations	2	2	6
Total hours		**15**	**14**	**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, 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
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. S. Shenawy
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies:

5- Administrative constraints (List any difficulties encountered)

Non

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)	They want more exercises in the class and more practice problems.	They are completely right. Next semester we will do this.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	Non

8- Written Exam Evaluation:

The results of the course are normally distributed with mean at 72% 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
This is the first semester	Non	Non

10- Action plan for academic year 2015 – 2016

Actions required	Completion date	Person responsible
Adding more examples and practice problems to class works	June 2015	Dr S. Shenawy

Course coordinator: Dr.S. Shenawy

Signature:

Date: September 11, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information:

1- Course Code & Title: (GEN 353) ادارة أعمال دولية

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

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

3- Year/Level of program: 10th 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 لطفى

6- Course coordinator: Prof. Dr شيماء لطفى

7- External evaluator: Non

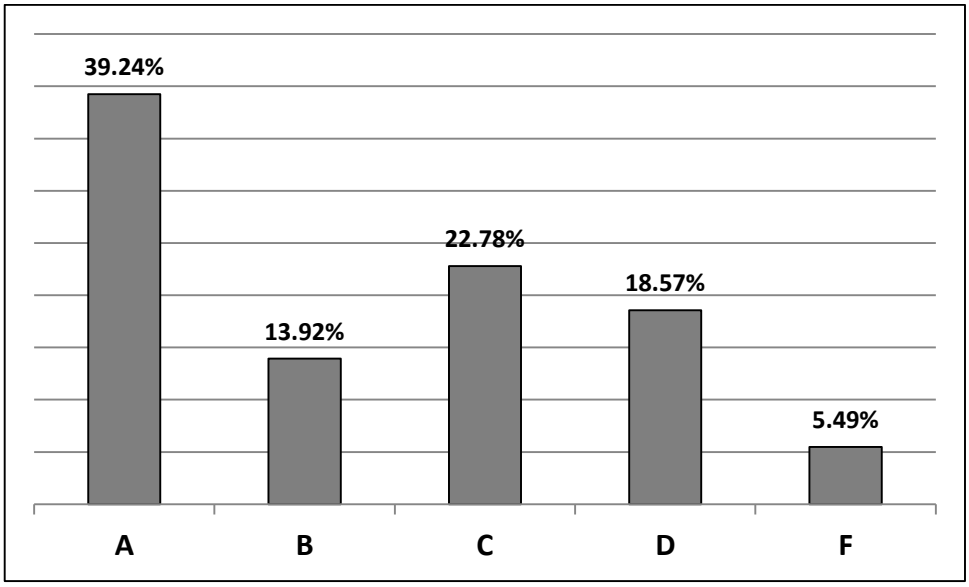
B- Statistical Information:

No. of students attending the course:	**No.**	**٢٥٠**	**100 %**
No. of students completing the course:	**No.**	**٢٣٧**	**٨٤.٤ %**

Results:

	No.	%
Passed	٢٣٧	٨٤.٤
Failed	١٣	٥.٦

Grading of successful students:		
Grade	**No.**	**%**
A	93	37.2
B	33	١٣,٦
C	54	22.7
D	44	18.2



C- Professional Information:

1 – Course teaching:

Topic	Total hours		Lecturer
	Plan.	Actual	
مفهوم الادارة	5	5	Prof. Dr. شيماءلطفى
مفهوم التخطيط	5	5	
صناعة و اتخاذ القرارات	4	4	
الهياكل التنظيمية	4	4	
القيادة و التوجيه	4	4	
ادارة الأعمال الدولية	4	4	
مفهوم ادارة الجودة الشاملة	4	4	
Total hours	30	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: Dr. شيماء لطفى
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

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

6- Student evaluation of the course: Non

8- 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:

9- Action plan for academic year 2015– 2016:

Actions required	Completion date	Person responsible
Non	January 2015	Prof. Dr shimaa lotfy

Course coordinator: Prof. Dr.شيماءلطفى

Signature:

Date: September 1, 2015

Annual Course Report
(Academic Year 2014-2015)

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 Three

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. Hany Tawfik*

6- Course coordinator: *Prof. Dr. Hany Tawfik*

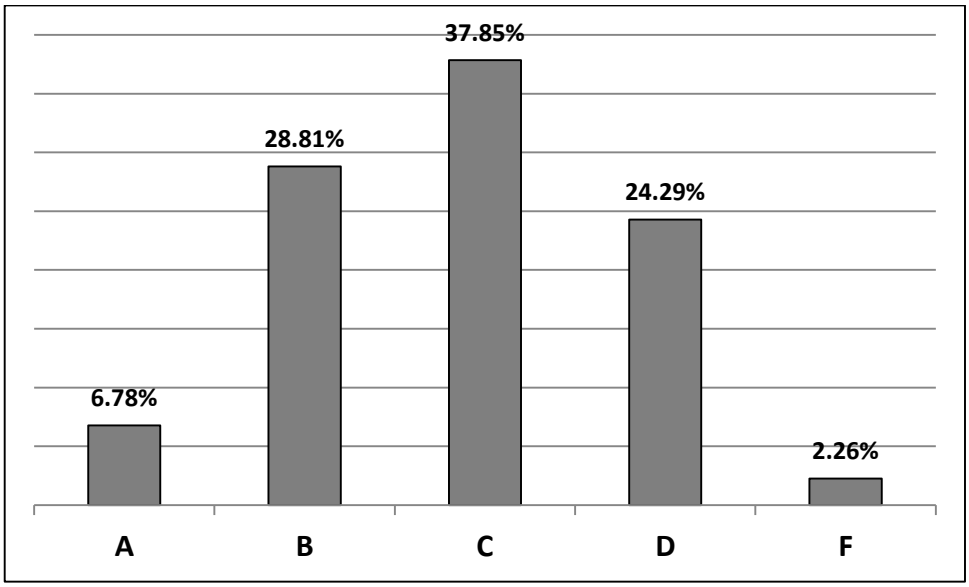
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. ١٧٧ ١٠٠%	No. ١٦ ١٠٠ %
No. of students completing the course	No. ١٧٣ ٩٧,٧٤%	No. ١٣ ٨١,٢٥%

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	١٧٣	٩٧,٧٤	١٣	٨١,٢٥
Failed	٤	٢,٢٦	٣	١٨,٧٥

Grading of students				
	FALL		SPRING	
	No.	%	No.	%
A	١٢	٦,٩٤	١	٧,٦٩
B	٥١	٢٩,٤٨	٢	١٥,٣٩
C	٦٧	٣٨,٧٣	٥	٣٨,٤٦
D	٤٣	٢٤,٨٥	٥	٣٨,٤٦



C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
• Operational Amplifiers Configurations	2	1	2	Dr. Hany Tawfik Kamel
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	٦٠ %
Practical examination	٢٠ %
Other assignments/class work	١٠ %
Mid-Term Exam	١٠ %
Total	**100 %**

Members of examination committee *Prof. Dr. Hany Tawfik*

4- Administrative constraints
List any difficulties encountered None

5- Student evaluation of the course:
List any criticisms

- المادة سهلة ولذيذة لكن جدول الامتحانات مش كويس ياريت لو ينفع تزودو فترة اللى قبل الامتحان ولويوم فقط
- م /احمد سعيد معيد منظم واى حاجه عايز نساله فيها بجوبك وبيدينا سكاشن اضافية علشان نكون مع الدكتور وشرحه ممتاز
- معمل غير مجهز تماما لعمل التجارب حيث ان كل طالب لايمكن التطبيق عليه وعدد التجارب كبير جدا والوقت غير كافى لتنفيذها
- من افضل المعيدين م /محمد النبوى كل الشكر والتقدير له

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 2015 – 2016
Adding more experiments in lab to enhance the practical experience of students.

Course coordinator: *Prof. Dr. Hany Tawfik*
Signature:
Date: October2015

Annual Course Report
(Academic Year 2014-2015)

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 Three

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

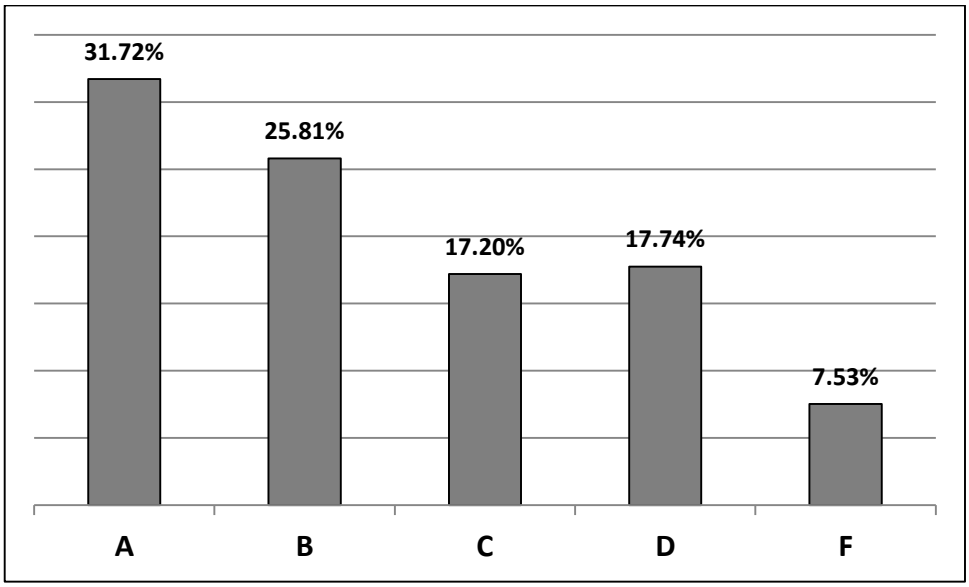
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course		No. ١٨٦ ١٠٠ %
No. of students completing the course		No. ١٧٢ ٩٢,٤٧%

Results			
	FALL	SPRING	
		No.	%
Passed		١٧٢	٩٢,٤٧
Failed		١٤	٧,٥٣

Grading of students			
	FALL	SPRING	
		No.	%
A		٥٩	٣٤,٣٠
B		٤٨	٢٧,٩١
C		٣٢	١٨,٦٠
D		٣٣	١٩,١٩



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	٢	
3- BJT Operating Regions.	1	1	٢	
4-BJT Circuit Configurations**.**	6	4	٦	
5- Transistor Amplifier.	8	8	١٠	
6- Graphical Analysis.	1	2	٢	
7-Frequency Response.	4	2	٢,٥	
8-Amplifier Frequency Response.	4	3	١	
9- Effect of Internal Transistor Capacitance.	2	4	١	
10- Types of power amplifiers	1	1	٠,٥	
11-Class A power amplifier.	1.5	2	١	
12- Signal Generators& Wave shaping circuits**.**	0.5	1	١	
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
- Small number of assistants in the course where loading hours for each assistant is high so that office hours for them will be very low and students need to deliver and discuss electronic projects required from each student individually.
- Not all lecture rooms are equipped with data show.

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 2015 – 2016
- Discuss an introduction about feedback topologies and oscillator circuits.
- It is required to add power amplifier cicuits to lab.

Course coordinator: Dr. Eman Mohamed Mahmoud

Signature:
Date: October2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

1- Title and code: Project Management (GEN 341)

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 Three

4- Unit hours 2

Lectures 2 hrs Tutorial 0hrs Practical 0hrs Total 2 hrs

5- Names of lecturers contributing to the delivery of the course: Dr. Ahmed Sarhan

6- Course coordinator: Dr. Ahmed Sarhan

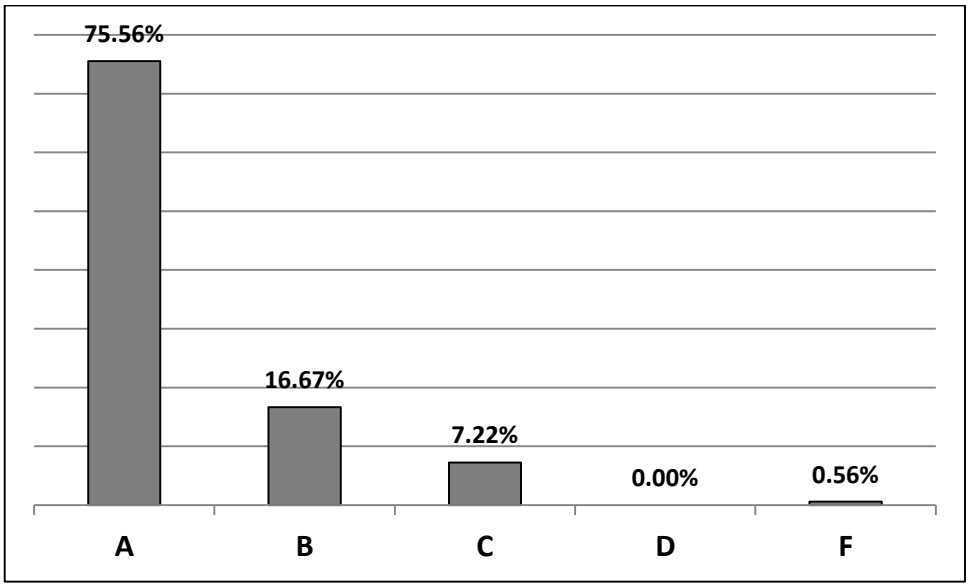
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. ١٨٠ ١٠٠%	
No. of students completing the course	No. ١٧٩ ٩٩,٤٤%	

Results			
	FALL		SPRING
	No.	%	
Passed	١٧٩	٩٩,٤٤	
Failed	١	٠,٥٦	

Grading of students			
	FALL		SPRING
	No.	%	
A	١٣٦	٧٥,٩٨	
B	٣٠	١٦,٧٦	
C	١٣	٧,٢٦	
D	٠	٠	



C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
➢ Introduction	2	-		Dr. Ahmed Sarhan
➢ Feasibility study	-	-		
• Market study	2			
• Technical study	2			
• Financial & Economic study	2			
• Environmental study	2			
• Project management	-	-		
• Phases of a project & steps of	2			
• The project management body of	2			
• The roll of the project manager	2			
• Planning of a project	2			
• Developing a mission, vision , goals and	2			
• Linear Programming	2	-		
• Transportation Problems	2	-		
• Assignment Problems (A project)	6	-		
Total hours	**30**	**-**	**-**	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: 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	٧٠ %
Practical examination	٠ %
Other assignments/class work	٢٠ %
Mid-Term Exam	١٠ %
Total	**100 %**

Members of examination committee Dr. Ahmed Sarhan

4- Administrative constraints
List any difficulties encountered: None

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 2015 – 2016
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. Ahmed Sarhan

Signature:
Date: October2015

Annual Course Report
(Academic Year 2014-2015)

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 Three

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. Nelly Muhammad Hussein*

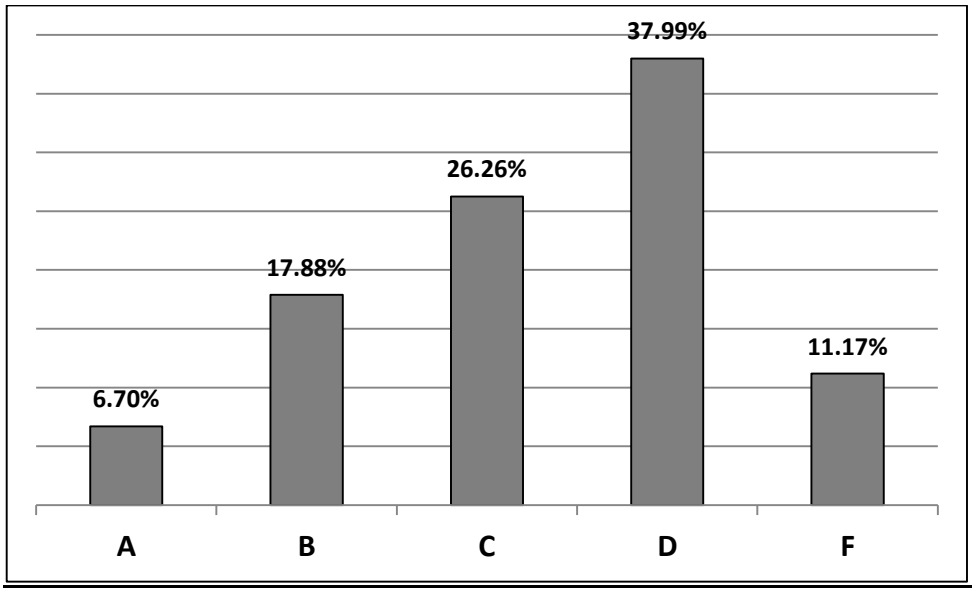
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. ١٧٩ ١٠٠%	No. ٣٣ ١٠٠ %
No. of students completing the course	No. ١٥٩ ٨٨,٨٣%	No. ٢٦ ٧٨,٧٩%

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	١٥٩	٨٨,٨٣	٢٦	٧٨,٧٩
Failed	٢٠	١١,١٧	٧	٢١,٢١

Grading of students				
	FALL		SPRING	
	No.	%	No.	%
A	١٢	٧,٥٥	١	٣,٨٥
B	٣٢	٢٠,١٢	٢	٧,٦٩
C	٤٧	٢٩,٥٦	٥	١٩,٢٣
D	٦٨	٤٢,٧٧	١٨	٦٩,٢٣



C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Lecturer
1- Introduction to Signals, Classification of signals and Signal Operators.	٤	٤	*Dr. Nelly Muhammad Hussein*
2- Signal Comparison- Correlation..	٢	٢	
3- Signal Representation by orthogonal signal set – Fourier series.	٢	٢	
4- Analysis and Transmission of Signals.	٤	٤	
5- A periodic Signal representation by Fourier Integral.	٤	٤	
6- Transforms of same useful function and properties of Fourier Transform.	٢	٢	
7- Signal transmission through linear system and signal distortion over spectral channel	٤	٤	
8-Energy and power spectral densities. - Random processes.	٢	٢	
9- Probability – Random variables – Statistical averages.	٢	٢	
10- Mean – Correlation and Covariance function.	٢	٢	
11-Transmission of Random process through linear filter.	٢	٢	
12- Optimum Receiver – Mate fed filter receiver and correlation receiver.	٢	٢	
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. Nelly Muhammad Hussein*

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 2015 – 2016
Decrease number of lectures taken in Fourier conversions part in order to have more enough time for last chapter "Random Process".
Course coordinator: *Dr. Nelly Muhammad Hussein*
Signature:

Date: October2015

Annual Course Report
(Academic Year 2014-2015)

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

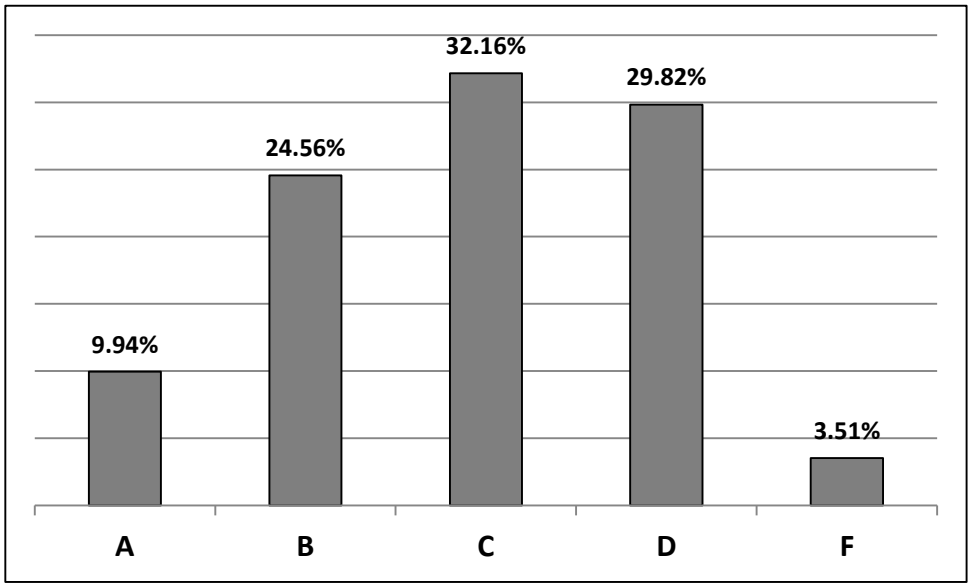
6- Course coordinator: Dr. Abdelmenam Foda

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

B- Statistical Information:

	FALL
No. of students attending the course	**No.** 171 **100%**
No. of students completing the course	**No.** 165 **96.5%**

	FALL	
	No.	**%**
Passed	**165**	**96.5**
Failed	**6**	**3.5**
A+	1	0.59%
A	6	3.51%
A-	10	5.85%
B+	19	11.11%
B	23	13.45%
C+	22	12.87%
C	33	19.30%
D+	24	14.04%
D	15	8.77%
D-	12	7.02%
F	6	3.51%



C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours
➢ . Introduction to MATLAB	2		
➢ Matlab Fundamentals	2	1	2
➢ Matrix Operations, Array Operations Vectors and Matrix	2	2	2
➢ Data Analysis	2	2	2
➢ Plotting Commands	2	2	2
➢ Control Flow. -M – Files	2	2	2
➢ Control Statements	2		2
➢ DC Analysis	2	1	2
➢ Transient Analysis	2	1	2
➢ AC Analysis and network functions	2	1	2
➢ Advanced Programming in MATLAB in Semiconductor	3		4
➢ Computer Application using MATLAB-Mathematical Models	3	1	4
➢ Introduction to Simulink	3	2	3
➢ Seminar	1		1
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:

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

4- 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: 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 2015 – 2016

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: October 2015

Annual Course Report
(Academic Year 2014-2015)

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 Three

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

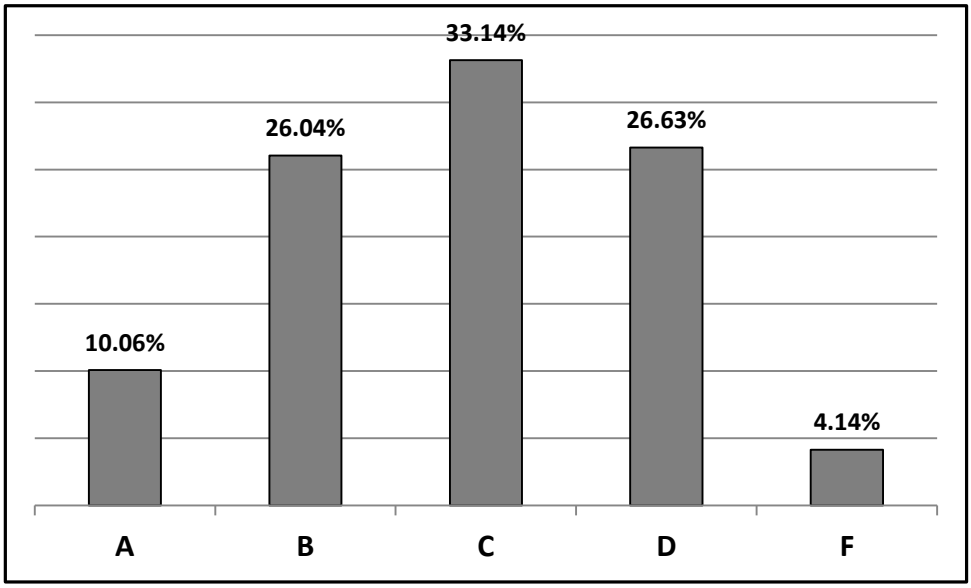
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course		No. ١٦٩ ١٠٠ %
No. of students completing the course		No. ١٦٢ ٩٥,٨٦%

Results			
	FALL	SPRING	
		No.	%
Passed		١٦٢	٩٥,٨٦
Failed		٧	٤,١٤

Grading of students			
	FALL	SPRING	
		No.	%
A		١٧	١٠,٤٩
B		٤٤	٢٧,١٦
C		٥٦	٣٤,٥٧
D		٤٥	٢٧,٧٨



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 2015 – 2016

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

Course coordinator: Prof. Dr. Adel El- Sherif

Signature:

Date: October2015

Annual Course Report
(Academic Year 2014-2015)

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 Three

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. Shuman El Shuman*

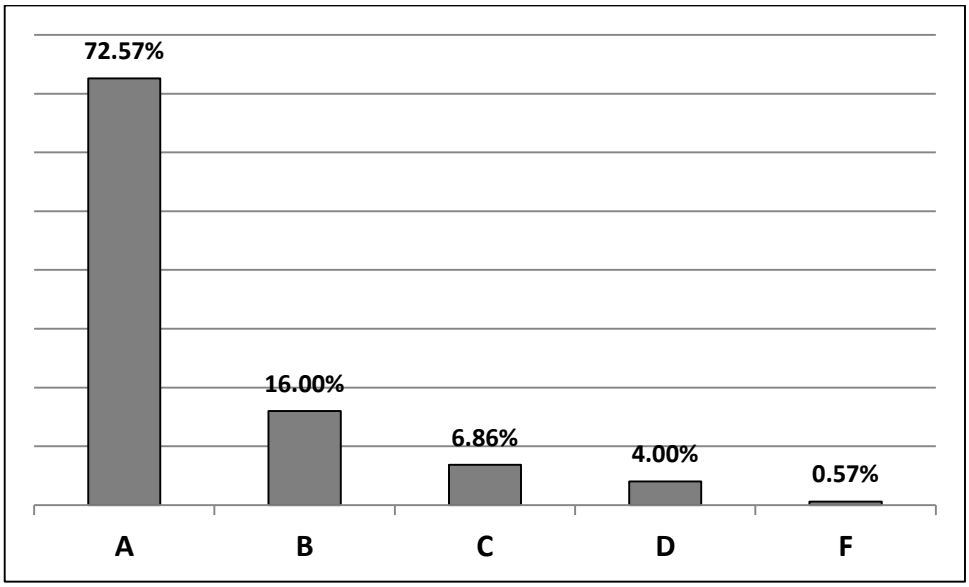
6- Course coordinator: *Prof. Dr. Shuman El Shuman*

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. ١٧٥ .....%	No. ١٢ ..... %
No. of students completing the course	No. ١٧٥ ..... %	No. ١٢ ..... %

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	١٧٤	٩٩,٤٢٩	١٢	١٠٠
Failed	١	٠,٥٧١	٠	٠

Grading of students				
	FALL		SPRING	
	No.	%	No.	%
A	١٢٧	٧٣	٧	٥٨,٣٣٤
B	٢٨	١٦	٣	٢٥
C	١٢	٧	٢	١٦,٦٦٦
D	٧	٤	٠	٠



C- Professional Information:

1- 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:

Semester Work: seminars, assignments, and reports	30 %
Oral Exam	70 %

Members of examination committee *Prof. Dr. Shuman El Shuman*

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 2015 – 2016

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: *Prof. Dr. Shuman El Shuman*

Signature:

Date: October2015

Annual Course Report
(Academic Year 2014-2015)

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 Three

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. Shuman El Shuman*

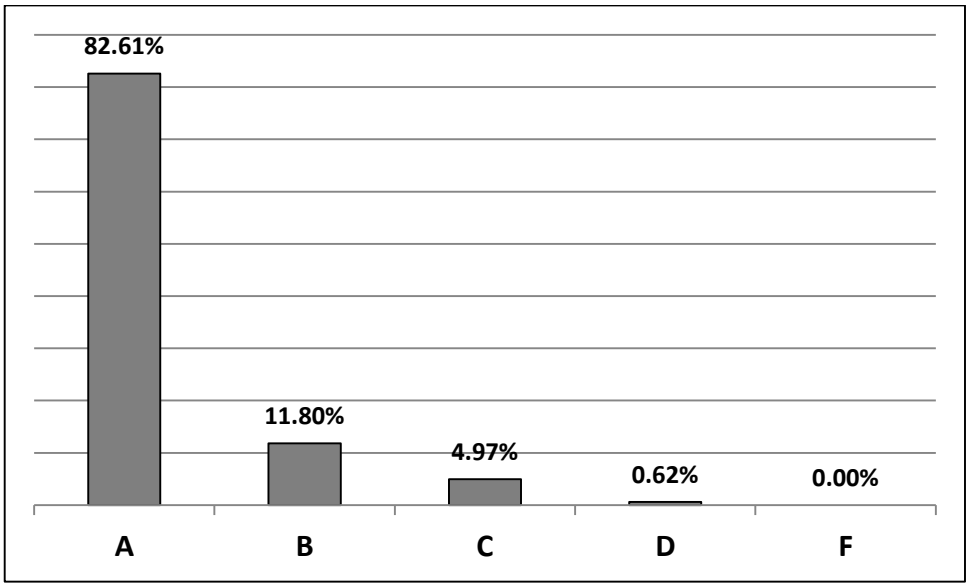
6- Course coordinator: *Prof. Dr. Shuman El Shuman*

B- Statistical Information:

	FALL	SPRING
No. of students attending the course		No. ١٦١ ..... %
No. of students completing the course		No. ١٦١ ١٠٠%

Results			
	FALL	SPRING	
		No.	%
Passed		١٦١	١٠٠
Failed		٠	٠

Grading of students			
	FALL	SPRING	
		No.	%
A		١٣٣	٨٢,٦٠٨
B		١٩	١١,٨٠٢
C		٨	٤,٩٦٩
D		١	٠,٦٢١



C- Professional Information:

1- 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:

Semester Work: seminars, assignments, and reports	30 %
Oral Exam	70 %

Members of examination committee *Prof. Dr. Shuman El Shuman*

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 2015 – 2016

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: *Prof. Dr. Shuman El Shuman*

Signature:

Date: October2015