

**Electronic Engineering and
Communication Technology B.Sc.**

Program Report

(2013 – 2014)- By law 2012

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1. General

1.1 Basic Information

- 1- **Program title:** Electronic Engineering and Communication Technology.
- 2- **Program type:** Single.
- 3- **Department offering the program:** Electronic Engineering and Communication Technology.
- 4- **Co-coordinator:** Prof. Dr. Mokhtar Abdel Halim.
- 5- **External evaluators:**
 - **Prof. Salwa Hussein El- Ramly:** Professor Doctor in communication and electronics dept. Faculty of engineering-Ain Shams University.
 - **Prof. Moh. Abo Zahhad Abo Zaid:** Vice Dean for postgraduate studies and research - Faculty of engineering - Assiut University.
- 6-**Year of operation:** 2001-2002

2. Professional Information

2.2 Academic Standards

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

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

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,	C1, C2, C3, C5, C8, C12	D1, D2, D3, D4, D5, D7
GEN 141	Contemporary Social Issues	A9, A10	B4, B9, B12	None	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	None	D1, D7, D8
MEC 101	Mechanics – (1)	A1, A3, A4	B1, B2	C1, C2	D1, D2
MTH 101	Mathematics – (1)	A1, A5	B1, B2, B3, B7	C1, C12	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,C2, C3	D1, D2
MTH 102	Mathematics – (2)	A1, A5	B1, B2, B3, B4, B7, B11	C1, C12	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
MTH203	Mathematics -3	A1, A5	B1, B2, B3, B7	None	D3, D7
MTH204	Mathematics-4	A1, A5	B1, B2, B3, B7	None	D3, D4
MTH 305	Mathematics-5	A1, A5	B1, B2, B3, B7, B11	None	D3, D7
MTH 306	Mathematics-6	A1, A5	B1, B2, B3, B4, B7	None	D1, D3, D7
GEN241	Presentation Skills	A9, A10, A11, A12	B14	None	D1, D2, D3, D5, D7
GEN 242	Technical Report Writing	A 4, A10, A11	B4	None	D3, D4, D7, D9
ARC 210	Civil Engineering Technology	A7, A14	B9, B16	None	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	None	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 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
CMP 210	Data Structures and Algorithms	A1, A4, A5, A9, A12, A16, A18	B1, B2, B4, B8, B12, B14, B17, B18	None	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

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 2015
Complete the shortage in education facilities	Academic Administration	Academic year 2014-2015

Program Coordinator: Prof. Dr. Mokhtar Abdel Halim.

Signature:

Appendix 1

Annual Course Report

(2013-2014)- By law 2012

Annual Course Report Academic year 2013-2014

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 Ragab Gouda

7- External evaluator: Non

B- Statistical Information:

1- No. of students attending the course:

No.	1350	100	%
No.	1270	94.07	%

2- No. of students completing the course:

3- Results:

	No.	%
Passed	1200	94.48
Failed	70	5.51

Grading of successful students:		
Grade	No.	%
Excellent	254	20
Very Good	285	22.44
Good	293	23.07
Pass	377	29.68

C- Professional Information:

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Gas law and gas liquefaction.	6	6	Prof. Dr. Shaban Ragab Gouda
• Liquid state, refrigeration and heat pump.	6	6	
• Electro chemistry 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	46	46	

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

Reasons in detail for not teaching any topic:

Non

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

Non

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

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

Seminar/Workshop: Non

Class activity: exercises; solution of problems and data show.

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: Dr. ShabanRagab Gouda

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

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

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 reasons for any non-completion:

	Actions required	Planned Completion date	Accomplishment
(a)	Add more experiments to chemistry Laboratory	December 2014	One experiment is already added on September 2014. One more is planned for May 2015

10- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
1. adding more exercises, assignments reports and quizzes for Chapter 10 and11	December 2014	Prof. Dr. Shaban Ragab Gouda

Course coordinator: Prof. Dr Shaban Ragab Gouda

Signature:

Date: September 2014

Annual Course Report Academic year 2013-2014

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 Year/Second 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. Rashad Ahmed

6- Course coordinator: Prof. Dr. Rashad Ahmed

7- External evaluator: Non

B- Statistical Information:

4- No. of students attending the course:

No. 1183 100 %

5- No. of students completing the course:

No. 858 72.53 %

6- Results:

	No.	%
Passed	522	60.84
Failed	36	4.19

Grading of successful students:		
Grade	No.	%
Excellent	591	68.88
Very Good	265	31.11
Good	160	18.64
Pass	104	12.12

C- Professional Information:

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
الانتماء اهميته واصول المجتمع –العادات والتقاليد المرعية –المواطنه – العوامل المحفزه لحب الوطن (الحرية – احترام الرأي الاخر – عدم التمييز العنصري – الديمقراطية)			Prof. Dr. Rashad ahmed
النمو والتكامل الاقتصادي –المكونات الاجتماعية والاقتصادية للمجتمع – اساليب القيادة –اساليب ترشيد الموارد – الابتكار وتجديد الموارد – الحوافز الخاصة بافراد المجتمع – اساليب تقييم المشروعات)			
(بناء الاسرة – تكوين الاسرة – التنشئة الاجتماعية – النسق الاسري والانساق الاخرى – المؤسسات التقليدية والحديثة الخاصة بالاسرة)			

(مهارات العمل الجماعي – اهمية العمل الفرقي – الفارق بين العمل الجماعي والفرقي – كيفية اعداد القادة)			
Total hours			

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

Reasons in detail for not teaching any topic:

لكثرة الاجازات نتيجة الاحداث السياسية في البلاد

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. Rashad ahmed

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 دراسته للتخصص

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	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 reasons for any non-completion:

9- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
None	January 2014	Prof. Dr. Rashad ahmed

Course coordinator: Prof. Dr. Rashad Ahmed

Signature:

Date: October 2014

Annual Course Report Academic year 2013-2014

A- Basic Information:

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

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

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

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

4- **Credit hours**

Credit 2 hrs Lectures 2 hrs Tutorial Practical

5- **Course coordinator:** Dr. Neveen Samir

6- **External evaluator:** Non

B- Statistical Information:

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

No.	420	100	%
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8- **No. of students completing the course:**

No.	87	94.6	%
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9- **Results:**

	No.	%
Passed	365	87
Failed	55	13

Grading of successful students:		
Grade	No.	%
Excellent	20	8
Very Good	33	13.8
Good	150	12.6
Pass	162	55.7

C- Professional Information:

1 – **Course teaching**

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

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

Qualities and Flaws (to be continued) List. & Speak: dicussing the topic Speaking : English communication skills Grammar: Comparative & superlative Assignment: peer editing	2	2
People Idioms Grammar: gerund "& to infinitive & adjectives with prepositions Speaking : English communication skills ➤ Assignment: internet research	2	2
English proverbs ➤ Grammar: problem verbs Speaking : English communication skills Revision	2	2
➤ Revision	2	2
Total hours	30	30

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

Reasons in detail for not teaching any topic:

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
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- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
NON	NON	NON

10- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
NON	NON	NON

Course coordinator: Prof. Dr Neveen

Signature:

Date: September 24, 2014

Annual Course Report Academic year 2013-2014

A- Basic Information:

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

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

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

3- Year/Level of program: First 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. امل عسران

6- Course coordinator: Prof. Dr امل عسران

7- External evaluator: Non

B- Statistical Information:

10- No. of students attending the course:

No.	592	100	%
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11- No. of students completing the course:

No.	550	92.90	%
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12- Results:

	No.	%
Passed	530	96.36
Failed	20	3.64

Grading of successful students:		
Grade	No.	%
Excellent	170	30.91
Very Good	148	26.91
Good	132	24
Pass	80	14.54

C- Professional Information:

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
العلم و الهندسة والتكنولوجيا	2		Prof. Dr. امل عسران
الهندسة و البحث العلمى – منظومة البحث العلمى	2		
عناصر و متطلبات البحث العلمى	2		
الهندسة و خريطة البحث العلمى – مراحل البحث العلمى	2		
تاريخ الهندسة و التكنولوجيا فى مختلف العصور	4		
نقل التكنولوجيا	2		
نشاطات العمل الهندسى و مسئوليات المهندس	2		
Total hours			

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

Reasons in detail for not teaching any topic: Non

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

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

Practical training/ laboratory: Non

Seminar/Workshop: Lecture

Class activity: Non

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

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

Members of examination committee: Dr. أمل عسران

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

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

	المهارات التي تساعد في الحياة العملية مثل العمل الفريقي او الاقتناع	التي تناسب تخصصهم ودراستهم للهندسة
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7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	Non

8- Written Exam Evaluation

9- Course enhancement:

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

9- Action plan for academic year 2014– 2015

Actions required	Completion date	Person responsible
Non	January 2015	امل عسران Prof. Dr

Course coordinator: Prof. Dr. امل عسران

Signature:

Date: September 1, 2014

Annual Course Report Academic year 2013-2014

A- Basic Information:

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

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

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

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

4- **Credit hours**

Credit 2 hrs Lectures: 1 hrs Tutorial 3 hrs Practical

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

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

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

7- **External evaluator:** Non

B- Statistical Information:

No. of students attending the course:

No.	12140	100	%
No.	1164	95.9	%

No. of students completing the course:

Results:

	No.	%
Passed	863	74.1
Failed	301	25.9

Grading of successful students:		
Grade	No.	%
Excellent	75	6.4
Very Good	135	16.2
Good	429	20.9
Pass	224	30.6

C- Professional Information:

1 – **Course teaching**

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

9	Support reaction in plane	4	10	6
10	Support reaction in space	3	7	4
11	Trusses	4	10	6
Total hours		30	75	45

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

Reasons in detail for not teaching any topic:

Non

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

Non

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Practical training/ laboratory:

Seminar/Workshop:

Class activity Numerical exercises; solution of problems

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

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

Members of examination committee: Prof.Dr.Eng. Hassan Awad ,Dr. MoamenWafaie and Dr. ShymaaLotfy

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- Low success percentage in question 4 of the final written exam implies the need to revise the teaching and learning activity of the control system stability analysis and design of convenient controller, by adding more exercises, assignments reports and quizzes.
- The whole exam result shows considerable weakness in report writing and English language level.

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

10- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Prof.Dr.Eng. Hassan Awad

Signature:

Date: September 24, 2014

Annual Course Report Academic year 2013-2014

A- Basic Information:

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

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

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

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

4- **Credit hours**

Credit 2 hrs Lectures: 1 hrs Tutorial 3 hrs Practical

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

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

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

7- **External evaluator:** Non

B- Statistical Information:

No. of students attending the course:

No.	1164	100	%
No.	1106	95	%

No. of students completing the course:

Results:

	No.	%
Passed	915	82.7
Failed	191	17.3

Grading of successful students:		
Grade	No.	%
Excellent	68	6.2
Very Good	185	16.7
Good	295	26.6
Pass	367	33.2

C- Professional Information:

1 – **Course teaching**

	Topic	Lecture hours	Actual hours	Tutorial hours
1	Rectilinear Motion of particles.	2	4	2
2	Determination of the motion of a particle.	2	5	3
3	Graphical Solution of Rectilinear Motion.	4	10	6
4	Curvilinear Motion of particle, Free Flight Motion.	2	6	4
5	Curvilinear Motion of particle:	2	4	2
6	Normal and Tangent.	2	6	4
7	Plane Curvilinear Motion.	2	6	4
8	Polar Coordinates.	3	7	4

9	Kinetics of Particles, Force and acceleration.	4	10	6
10	Kinetics of Particles Energy and Momentum Methods	3	7	4
11	Motion under a conservative central force.	4	10	6
Total hours		30	75	45

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

Reasons in detail for not teaching any topic:

Non

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

Non

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Practical training/ laboratory:

Seminar/Workshop: Lecture

Class activity Numerical exercises; solution of problems

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

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

Members of examination committee: Prof.Dr.Eng. Hassan Awad ,Dr. Moamen Wafaie and Dr. Shymaa Lotfy

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- Low success percentage in question 4 of the final written exam implies the need to revise the teaching and learning activity of the control system stability analysis and design of convenient controller, by adding more exercises, assignments reports and quizzes.
- The whole exam result shows considerable weakness in report writing and English language level.

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

10- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Prof.Dr.Eng. Hassan Awad

Signature:

Date: September 2014

Annual Course Report Academic year 2013-2014

A- Basic Information:

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

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

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

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

4- **Credit hours**

Credit 3 hrs Lectures: 2 hrs Tutorial 2 hrs Practical

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

Prf. Dr. Osama El Gayar - Dr. SabryAbd El-Aziz - Dr. Nabila El Sawy

6- **Course coordinator:** Dr. SabryAbd El-Aziz

7- **External evaluator:** Non

B- Statistical Information:

No. of students attending the course:

No.	1301	100	%
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No. of students completing the course:

No.	1252	96.23	%
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Results:

	No.	%
Passed	1117	89.22
Failed	135	10.78

Grading of successful students:		
Grade	No.	%
Excellent	607	48.48
Very Good	236	18.85
Good	143	11.42
Pass	131	10.46

C- Professional Information

1 – Course teaching

Topic		Lecture hours	Actual hours	Tutorial hours
1	Functions.	4	3	2
2	Differentiation.	3	4	4
3	Trigonometric and inverse trigonometric functions.	3	4	4
4	Exponential and logarithmic functions.	2	2	2
5	Hyperbolic and inverse hyperbolic functions.	2	2	2
6	Taylor and binomial expansions.	2	2	2
7	Matrices with applications.	6	4	6
8	Vectors in the Euclidean space.	2	1	2

9	Real vector spaces.	2	1	2
10	Polar coordinates.	2	1	2
11	Final Revision	2	2	2
Total hours		30	26	30

Topics taught as a percentage of the content specified: More than 85 %
 Reasons in detail for not teaching any topic: Non
 If any topics were taught which are not specified, give reasons in detail: Non
 Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving
 Practical training/ laboratory:
 Seminar/Workshop:
 Class activity: Solution of problems
 Other assignments/homework: Weekly assignments
 If teaching and learning methods were used other than those specified, give reasons: Non

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➤ Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
Non	Non	Non

10- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
Adding more exercises, assignments reports and quizzes	September , 2014	Dr. Sabry

Course coordinator: Dr. Sabry Abd El-Aziz

Signature:

Date: February, 2014

Annual Course Report Academic year 2013-2014

A- Basic Information:

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

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

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

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

4- **Credit hours**

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

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

Prf. Dr. Osama El Gayar - Dr. Sabry Abd El-Aziz - Dr. Nabila El Sawy

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

7- **External evaluator:** Non

B- Statistical Information:

No. of students attending the course:

No.	1219	100	%
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No. of students completing the course:

No.	1181	96.88	%
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Results:

	No.	%
Passed	977	82.73
Failed	204	17.27

Grading of successful students:		
Grade	No.	%
Excellent	277	23.45
Very Good	224	18.97
Good	192	16.26
Pass	284	24.05

C- Professional Information:

1 – **Course teaching**

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

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

Knowledge & Understanding a1 to a5	Intellectual skills b1 to b6	Applied Skills c1	General transferable skills d1 to d3
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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.
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7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
Non		

10- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
Adding more exercises, assignments reports and quizzes	December 2014	Dr. Sabry

Course coordinator: Dr Sabry Abd El Aziz

Signature:

Date: October, 2014

Annual Course Report Academic year 2013-2014

A- Basic Information:

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

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

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

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

4- Credit hours

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

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

Prof. Dr.El-Tawab Kamal - Prof. Dr.Abo el Yazeed B. Abo el Yazeed - Dr.Marwa Y. Shoeib

Dr. Nagat A. Elmahdy

6- Course coordinator: Dr. Nagat A. Elmahdy

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:

No.	1165	100	%
-----	------	-----	---

No. of students completing the course:

No.	1041	85.48	%
-----	------	-------	---

Results:

	No.	%
Passed	1041	85.48
Failed	124	14.52

Grading of successful students:		
Grade	No.	%
Excellent	488	41.89
Very Good	236	20.257
Good	147	12.618
Pass	170	14.6

C- Professional Information:

1 – Course teaching

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

• Wave Motion and Energy Transmitted by Sinusoidal Waves.	6	0	
• Sound waves and Doppler's Effect.	6	0	
Total hours	54	46	

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

Reasons in detail for not teaching any topic:

There was no time

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

Non

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Prof. Dr.El-Tawab Kamal, Prof. Dr.Abo el Yazeed B. Abo el Yazeed, Dr.Marwa Y. Shoeib and Dr. Nagat A. Elmahdy

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
(b) Adding more assignments reports and quizzes for Chapters 1 and 3 (c) The need for more advanced laboratory experiences in the major.	September 2013	(a) More assignments were prepared. (b) One experiment is added on September 2013. One more is planned for May 2014

9- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
1. Adding more assignments reports and quizzes. 2. The department discussed the need for more advanced laboratory experiences, especially in the area of Thermodynamics.	September 2014	Prof. Dr. El-Tawab Kamal

Course coordinator: Dr. Nagat A. Elmahdy

Signature: Dr. Nagat A. Elmahdy

Date: February15, 2014

Annual Course Report Academic year 2013-2014

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: Prof. Dr.El-Tawab Kamal

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

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

7- External evaluator: Non

B- Statistical Information:

No. of students attending the course:

No.	1030	100	%
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No. of students completing the course:

No.	913	88.64	%
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Results:

	No.	%
Passed	913	88.64
Failed	117	11.35

Grading of successful students:		
Grade	No.	%
Excellent	50	5.47
Very Good	165	18.07
Good	230	25.19
Pass	468	51.26

C- Professional Information:

1 – Course teaching

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

• Interference of light, Diffraction of light	6	0	
• Diffraction of light, Some applications	2	0	
Total hours	54	46	

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

Reasons in detail for not teaching any topic:

There was no time

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

Non

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Prof. Dr.El-Tawab Kamal, Prof. Dr.Abo el Yazeed B. Abo el Yazeed, Dr.Marwa Y. Shoeib and Dr. Nagat A. Elmahdy

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
(d) Add more experiments to Physics Laboratory	December 2013	Two experimentsare already added on September 2013. One more is planned for May 2014

9- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
1. adding more assignments reports and quizzes for Chapters 10 and 11	December 2013	Prof. Dr. El-Tawab Kamal

Course coordinator: Prof. DrEl-Tawab Kamal

Signature:

Date: September 28, 2014

Annual Course Report (Academic Year 2013-2014)

A- Basic Information:

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

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

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

3- Year/Level of program: Freshman

4- Unit hours 4

Lectures Tutorial Practical Total

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

Dr. Ehab ElShimee

6- Course coordinator: Dr. Ehab ElShimee

B- Statistical Information

	FALL	
No. of students attending the course	No. <input type="text" value="593"/>	100%
No. of students completing the course	No. <input type="text" value="553"/>	90.507%

	FALL	
	No.	%
Passed	553	90.507
Failed	40	9.493

	FALL	
	No.	%
A+	23	3.879
A	56	9.444
A-	60	10.118
B+	72	12.142
B	74	12.479
C+	77	12.985
C	80	13.491
D+	52	8.769
D	34	5.734
D-	25	4.216
F	40	6.745

C- Professional Information:

1- Course Teaching:

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

Percentage of the content specified:

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

None

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

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

Members of examination committee

5- Administrative constraints

List any difficulties encountered

➤ None

6- Student evaluation of the course:

Response of course team

List any criticisms

Questioner

Good

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

upgrading the computers of the labs

9- Action plan for academic year 2014 – 2015

- Adding data show in the computer lab
- Increasing exercises and number of application programs

Course coordinator: Dr. Ehab Elshimee

Signature:

Date: August 2014

Annual Course Report (Academic Year 2013-2014)

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 / 1stSemester
- 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
- 6- Course coordinator: Prof. Dr. Said Refai , Dr.Haytham Gamal.
- 7- External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

		FALL		SUMMER	
No. of students attending the course		No. 193	100%	No. 13	100%
No. of students completing the course		No. 180	93.264%	No. 6	46.154%
Results					
		FALL		SUMMER	
		No.	%	No.	%
Passed		180	93.264	6	46.154
Failed		13	6.736	7	53.846

Grading of students					
		FALL		SUMMER	
		No.	%	No.	%
A+	4	2.073	0	0	
A	9	4.663	0	0	
A-	20	10.363	0	0	
B+	26	13.472	0	0	
B	23	11.917	0	0	
C+	26	13.472	1	7.692	
C	24	12.435	0	0	
D+	12	6.218	0	0	
D	22	11.399	2	15.385	
D-	14	7.254	3	23.077	
F	13	6.736	7	53.846	

C- Professional Information:

1 – Course teaching:

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

Topics taught as a percentage of the content specified:

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

None

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

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

Members of examination committee

Prof. Dr. Said Refai

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:

Response of course team

List any criticisms

- احترام الدكتور لميعاد المحاضرة والسماح للمناقشة داخل المحاضرة والشرح الكافي و الوافي
- بالنسبة للمعمل معظم الوقت في الشرح والوقت يكون غير آفي لعمل التجربة عملياً
- د /ناريمان من افضل الدكاترة التي درست هذه المادة وأنت جيدة جداً في دراسة المحتوى وايضاً المهندس محمد نبيل وم/فوزى ايضاً من اكفأ المهندسين في الشرح وتبسيط المادة ويجد ربنا يخليه.
- يجب الاهتمام بالمعمل وبالشرح فية

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2014 – 2015

According to the education plan , it is required that a third semester to be added to the existing semesters for three topics to be added:

- 1- Transient analysis.
- 2- Transmission line.
- 3- Two port circuits.

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

Signature:

Date: August 2014

Annual Course Report Academic year 2013-2014

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 1hrs Practical 2hr

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

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

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

7- **External evaluator:** Non

B- Statistical Information:

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

No.	389	100	%
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14- **No. of students completing the course:**

No.	350	89.97	%
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15- **Results:**

	No.	%
Passed	322	92
Failed	28	8

Grading of successful students:		
Grade	No.	%
Excellent	34	9.7
Very Good	62	17.7
Good	87	24.9
Pass	139	39.7

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 practical 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. 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
(c)	It is recommended to announce the points of the student activities.	It is under study to be published.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- High success percentage in question 2 and 3 of the final written exam
- The whole exam result shows considerable weakness in report writing and English language level.

9- Course enhancement:

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

	Actions required	Planned Completion date	Accomplishment
(e)	Add more experiments to physics Laboratory	December 2014	No action.

9- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
1. adding more exercises, assignments reports and quizzes for Chapter 1- 4	Feb. 2014	Prof. Dr L. I. Soliman

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

Signature:

Date: Feb. 2014

Annual Course Report (Academic Year 2013-2014)

A- Basic Information:

- 1- **Title and code:** Civil Engineering Technology - (ARC 210)
- 2- **Program(s) on which this course is given:**
- Electronic Engineering and Communication Technology BSc Program
 - Computer Engineering and Information Technology BSc Program
- 3- **Year/Level of program:** Level Two
- 4- **Unit hours 2**
Lectures 2hrs Tutorial 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. AdhamElAlfy , Dr.mohamed gobara
- 7- **External evaluator:**Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SUMMER	
No. of students attending the course	No. 198	100%	No. 15	100%
No. of students completing the course	No. 155	78.283%	No. 15	100%
Results				
	FALL		SUMMER	
	No.	%	No.	%
Passed	155	78.283	15	100
Failed	43	21.717	15	100
Grading of students				
	FALL		SUMMER	
	No.	%	No.	%
A+	2	1.010	0	0
A	5	2.525	0	0
A-	14	7.071	1	6.667
B+	16	8.081	1	6.667
B	19	9.596	1	6.667
C+	17	8.586	1	6.667
C	17	8.586	8	53.333
D+	23	11.616	2	13.333
D	17	8.586	0	0
D-	25	12.626	1	6.667
F	43	21.717	0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction	2	Prof. Dr. Adham Elalfy
• Fundamentals of surveying	2	
• Measurement of areas from maps and measurement of angles	2	
• Leveling	2	
• Computation of volumes	2	
• Soil mechanics	2	
• Highway and airports engineering	2	
• Railway engineering	2	
• Environmental engineering	2	
• Building construction	2	
• Foundations	2	
• Building materials	2	
• Quantities and specifications	2	
• Isolating layers	2	
• General revision	2	
Total hours	30	

Topics taught as a percentage of the content specified:

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

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

Case Study:

Other assignments/homework:

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

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

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

Members of examination committee

Prof. Dr. AdhamEIAIly

5- Administrative constraints

List any difficulties encountered

➤ None

6- Student evaluation of the course:

List any criticisms

- يرجى الاخذ بالاعتبار توضيح الهدف من المادة بالنسبة لقسم اتصالات عدم الرد على اسئلة الطلبة بالترقية
- طريقة تقسيم الدأثور لدرجات اعمال السنة غير مناسبة وغير مقبولة

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2014 – 2015: None

Course coordinator: Prof. Dr. AdhamEIAIly , Dr.mohamed gobara

Signature:

Date: August 2014

Annual Course Report (Academic Year 2013-2014)

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 Tutorial Practical Total

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

Prof. Dr. SHOUMAN E.I. SHOUMAN.

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

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

B- Statistical Information

	SPRING		SUMMER	
No. of students attending the course	No. <input type="text" value="156"/>	100%	No. <input type="text" value="37"/>	100%
No. of students completing the course	No. <input type="text" value="154"/>	98.718%	No. <input type="text" value="31"/>	83.784%
Results				
	SPRING		SUMMER	
	No.	%	No.	%
Passed	154	98.718	31	83.784
Failed	2	1.282	6	16.216
Grading of students				
	SPRING		SUMMER	
	No.	%	No.	%
A+	21	13.462	0	0
A	32	20.513	1	2.703
A-	34	21.795	2	5.405
B+	24	15.385	2	5.405
B	21	13.462	5	13.514
C+	11	7.051	2	5.405
C	3	1.923	3	8.108
D+	5	3.205	6	16.216
D	1	0.641	5	13.514
D-	2	1.282	5	13.514
F	2	1.282	6	16.216

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Units, Dimensions, and Standards.	2	Prof. Dr. SHOUMAN E.I. SHOUMAN
• Types and Analysis of Errors in Measurements.	2	
• Fundamentals of Analogue Instruments.	2	
• Deflection Type Permanent Magnet Moving Coil, and Electro-dynamic Instruments.	2	
• General Torque Equations and Galvanometers	2	
• DC Multi-Range Voltmeters.	2	
• DC Multi-Range Ammeters.	2	
• AC Rectifier Type Voltmeters.	2	
• AC Rectifier Type Ammeters.	2	
• Series and Multi-Range Ohmmeters.	2	
• DC and AC Electro-dynamic Voltmeters, and Ammeters.	2	
• DC and AC Electro-dynamic Voltmeters, and Ammeters.	2	
• DC and AC Electro-dynamic Watt-meters.	2	
• Calibration Methods of DC and AC Instruments.	2	
• Calibration Methods of DC and AC Instruments.	2	
Total Hours	30	

Topics taught as a percentage of the content specified:

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

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

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

Members of examination committee

Prof. Dr. SHOUMAN E.I. SHOUMAN.

5- Administrative constraints

List any difficulties encountered

➤ None

6- Student evaluation of the course:

List any criticisms

- الاستاذ يجب ان يستفيض فى الشرح اكثر من اللازم
- اسلوب المعيد فراج غير جيد

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2014 – 2015: None

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

Signature:

Date: August 2014

Annual Course Report (Academic Year 2013-2014)

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 Tutorial Practical Total
 5- Names of lecturers contributing to the delivery of the course: Prof. Dr. MOHI-EIDIN RATEB
 6- Course coordinator: Prof. Dr. MOHI-EIDIN RATEB , Dr.abdelmonem el-mahdy
 7- External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		Spring	
No. of students attending the course	No. <input type="text" value="169"/>	100%	No. <input type="text" value="43"/>	100%
No. of students completing the course	No. <input type="text" value="157"/>	92.899%	No. <input type="text" value="28"/>	65.116%
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	157	92.889	28	65.116
Failed	12	7.101	15	34.884

Grading of students				
	FALL		SPRING	
	No.	%	No.	%
A+	1	0.592	0	0
A	15	8.876	0	0
A-	24	14.201	0	0
B+	24	14.201	1	2.326
B	23	13.609	3	6.977
C+	22	13.018	1	2.326
C	17	10.059	6	13.953
D+	13	7.692	5	11.628
D	10	5.917	5	11.628
D-	8	4.734	7	16.279
F	12	7.101	15	34.884

C- Professional Information

1 – Course teaching:

Topic	Lecture Hours	Lecturer
<ul style="list-style-type: none"> • Introduction -Basic Definitions. -Laws of Boolean Algebra. 	4	Prof. Dr. MOHI-EIDIN RATEB
<ul style="list-style-type: none"> • Logic Functions Representation & Realization -Methods of representation of logic functions truth table, S.O.P and P.O.S) -Realization of logic functions using AND-OR-NOT, NAND only and NOR only gate systems. 	2	
<ul style="list-style-type: none"> -Matching logic functions with gate systems • Logic function minimization -Using Basic laws of Boolean Algebra. 	2 2	
<ul style="list-style-type: none"> ○ Using Karnaugh map minimization. -Using Quine -McClusky's Method. 	2 2	
Minimization of multiple-output Logic Functions <ul style="list-style-type: none"> • Combinational logic modules -Half and full adders, Parallel adder connection, look ahead carry. 	2 2	
<ul style="list-style-type: none"> ○ Decoders and de-multiplexers ○ Encoders. ○ Data selectors (multiplexers). 	2 2	
<ul style="list-style-type: none"> -Parity checkers. -Read-only memories 	2 2	
<ul style="list-style-type: none"> -Binary comparators. • Sequential logic circuit elements -State diagram and stat table representation of sequential circuits. 	2 2	
<ul style="list-style-type: none"> ○ Asynchronous and synchronous sequential elements. - S-R Flip-flop, J-K flip-flop 	2 2	
<ul style="list-style-type: none"> -D-Flip-flop and T flip-flop -Racing in sequential circuits 	2 2	
<ul style="list-style-type: none"> -Master –slave and Edge –triggered Flip-flops. • Sequential Logic circuit modules -Introduction. 	2 2	
Registers and shift registers.	4	
Asynchronous and synchronous counters.	4	
Counters using shift –registers (Johnson and ring counters)	4	
Random access memories(basic cell, addressing and read-write operations)	4	
Total Hours	60	

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

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

Case Study:

Other assignments/homework:

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

None

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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

Total

Members of examination committee

Prof. Dr. MOHI-EIDIN RATEB

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

- لا يشرح ويقول لنا اقرا من الكتاب ولا يشرح على الصبورة
- يرجى التاكيد من شرح المعيدين في الفصول - الوقت غير آفي بالمره لشرح المقرر بالكامل - عدم توضيح الدكتور
- لنظام الدرجات من بداية الدراسة

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2014 – 2015

The course satisfies the requirements intended to be received by students very efficient form.

No newly action required

Course coordinator: Prof. Dr. MOHI-EIDIN RATEB , Dr.abdelmonem el-mahdy

Signature:

Date: August 2014

Annual Course Report Academic year 2013-2014

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, 2014

4- **Credit hours**

Credit 3hrs Lectures: 2hrs Tutorial 3 hrs Practical

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

Dr.Ashraf Taha - Dr. Moamen Wafaie

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

7- **External evaluator:** Non

B- Statistical Information:

No. of students attending the course:

No.	234	100	%
No.	234	100	%

No. of students completing the course:

Results:

	No.	%
Passed	217	92.74
Failed	17	7.26

Grading of successful students:		
Grade	No.	%
Excellent	83	35.47
Very Good	50	21.37
Good	37	15.81
Pass	47	20.09

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

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered) Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- Low success percentage in question 3 of the final written exam implies the need to revise the teaching and learning activity of the methods of solution for the directional derivatives, double integral, by adding more exercises, assignments reports and quizzes.

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2013 – 2014

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr. Ashraf Taha

Signature:

Date: October12, 2014

Annual Course Report (Academic Year 2013-2014)

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 Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course:** Prof. Dr. Said Refai
- 6- **Course coordinator:** Prof. Dr. Said Refai , Dr. Haytham Gamal.
- 7- **External evaluator:** Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	SPRING		SUMMER	
No. of students attending the course	No. <input type="text" value="179"/>	100%	No. <input type="text" value="20"/>	100%
No. of students completing the course	No. <input type="text" value="158"/>	88.268%	No. <input type="text" value="15"/>	75%
Results				
	SPRING		SUMMER	
	No.	%	No.	%
Passed	158	88.268	15	75
Failed	21	11.732	5	25

Grading of students				
	SPRING		SUMMER	
	No.	%	No.	%
A+	5	2.793	0	0
A	6	3.352	2	10
A-	10	5.587	1	5
B+	16	8.939	0	0
B	20	11.173	0	0
C+	22	12.291	1	5
C	24	13.408	7	35
D+	20	11.173	2	10
D	17	9.497	2	10
D-	18	10.056	0	0
F	21	11.732	5	25

C- Professional Information:

1 – Course teaching:

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

Percentage of the content specified:

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

None

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

Written examination	<input type="text" value="70 %"/>
Practical examination	<input type="text" value="- %"/>
Other assignments/class work	<input type="text" value="20 %"/>
Mid-Term Exam	<input type="text" value="10 %"/>
Total	<input type="text" value="100 %"/>

Members of examination committee

Prof. Dr. Said Refai

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:

List any criticisms

- قلة الوقت هي اللي اثرت على كمية الاستفادة من هذا الكورس حيث الاستفادة منها كانت ضعيفة بسبب قلة الوقت
- محتوى المادة لم يتم عرضة بأسلوب واضح والدكتور غير معلم .. طرق تقييم المادة تعرض بأسلوب خطيء

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2014 – 2015

According to the plan, the space and equipment of the laboratory should be increase for the next educational

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

Signature:

Date: August 2014

Annual Course Report (Academic Year 2013-2014)

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 Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course:** Prof. Dr. Mohi-Eldin Rateb
 6- **Course coordinator:** Prof. Dr. Mohi-Eldin Rateb
 7- **External evaluator:** Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	SPRING		SUMMER	
No. of students attending the course	No. <input type="text" value="171"/>	100%	No. <input type="text" value="16"/>	100%
No. of students completing the course	No. <input type="text" value="163"/>	95.322%	No. <input type="text" value="13"/>	81.25%
Results				
	SPRING		SUMMER	
	No.	%	No.	%
Passed	163	95.322	13	81.25
Failed	8	4.678	3	18.75

Grading of students				
	SPRING		SUMMER	
	No.	%	No.	%
A+	17	9.942	0	0
A	19	11.111	1	6.250
A-	32	18.713	0	0
B+	31	18.129	1	6.250
B	14	8.187	2	12.5
C+	21	12.281	3	18.750
C	7	4.094	3	18.750
D+	9	5.263	1	6.250
D	5	2.924	2	12.5
D-	8	4.678	0	0
F	8	4.678	3	18.750

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
<ul style="list-style-type: none"> • Introduction <ul style="list-style-type: none"> ○ Basic definitions and basic operations. ○ Data representation and storage, fixed point and floating point formats. ○ Applications of data structures 	3	Prof. Dr. Mohi-Eldin Rateb
<ul style="list-style-type: none"> • Arrays <ul style="list-style-type: none"> -A storage of one dimensional arrays in memory. -Storage of two-dimensional arrays using row major and column major ordering. -Pointer arrays. -Parallel array storage of records. -Operations on matrices and associated algorithms. - Storage of sparse matrices. 	5	
<ul style="list-style-type: none"> • Linear Lists <ul style="list-style-type: none"> ○ Definitions and properties. ○ Stacks, definition, push and pop operations. ○ Queues, definition, insertion, and deletion from circular queues. ○ De-queues, definition and basic operations. 	6	
<ul style="list-style-type: none"> • Linked lists <ul style="list-style-type: none"> ○ Basic structures of header –free and header linked lists. ○ Representation in memory. ○ Traversing and searching linked lists for sorted and unsorted linked lists. ○ Insertion and deletion algorithms. ○ Two-way lists. 	7	
<ul style="list-style-type: none"> • Trees <ul style="list-style-type: none"> ○ Basic definitions and structures. ○ Representation of binary trees in memory. ○ Linked representation. ○ String array representation. ○ Terminating binary sequence (TBS) representation. ○ Transformation of a general tree into binary tree ○ Traversing tree and traversal algorithms using stacks (Preorder,in order and post order traversals) ○ Threads and in order threading. ○ Path length and Huffman's tree achieving using Huffman's algorithm. 	10	
<ul style="list-style-type: none"> • Searching <ul style="list-style-type: none"> -Introduction and searching types. -Scanning. *Direct scanning and controlled scanning. *Binary search algorithm. -Binary search trees *Definition. *Searching and insertion into BST. 	7	

Deletion from a BST. *Building a BSST	
<ul style="list-style-type: none"> • Sorting Introduction Sorting algorithms using selection, exchange and insertion techniques. Complexity of algorithm. Bubble sort algorithm as an example for exchange technique. Binary sort quick sort) algorithm. Heap sort algorithm	7
Total hours	45

Percentage of the content specified:

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

None

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

Written examination	<input type="text" value="70 %"/>
Practical examination	<input type="text" value="- %"/>
Other assignments/class work	<input type="text" value="20 %"/>
Mid-Term Exam	<input type="text" value="10 %"/>
Total	100 %

Members of examination committee

Prof. Dr. Mohi-EldinRateb

5- Administrative constraints

List any difficulties encountered

➤ None

6- Student evaluation of the course:

Response of course team

List any criticisms

None

None

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2014 – 2015

None

Course coordinator: Prof. Dr. Mohi-Eldin Rateb

Signature:

Date: August 2014

Annual Course Report (Academic Year 2013-2014)

A- Basic Information:

- 1- **Title and code:** 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 Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**
 Prof. Dr. Metwally H. Metwally - Prof. DrAbdelmagid A. Abdalla
 6- **Course coordinator:** Prof. Dr. Metwally H. Metwally - Prof. DrAbdelmagid A. Abdalla
 7- **External evaluator:** Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	SPRING		SUMMER	
No. of students attending the course	No. <input type="text" value="148"/>	100%	No. <input type="text" value="7"/>	100%
No. of students completing the course	No. <input type="text" value="148"/>	100%	No. <input type="text" value="7"/>	100%
Results				
	SPRING		SUMMER	
	No.	%	No.	%
Passed	148	100	7	100
Failed	0	0	0	0

Grading of students				
	SPRING		SUMMER	
	No.	%	No.	%
A+	3	2.072	0	0
A	8	5.405	0	0
A-	10	6.757	0	0
B+	19	12.838	0	0
B	31	20.946	1	14.286
C+	30	20.270	1	14.286
C	21	14.189	1	14.286
D+	16	10.811	0	0
D	5	3.378	2	28.571
D-	5	3.378	2	28.571
F	0	0	0	0

C- Professional Information:

1 – Course teaching:

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

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

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

Members of examination committee

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

5- Administrative constraints

List any difficulties encountered

➤ None

6- Student evaluation of the course:

Response of course team

List any criticisms

None

None

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2014 – 2015: None

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

Signature:

Date: August 2014

Annual Course Report Academic year 2013-2014

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 1hrs Practical 2hr

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

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

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

7- External evaluator: Non

B- Statistical Information:

No. of students attending the course:

No.	381	100	%
No.	346	90.8	%

No. of students completing the course:

Results:

	No.	%
Passed	336	97.1
Failed	10	2.9

Grading of successful students:		
Grade	No.	%
Excellent	45	13.00
Very Good	70	20.23
Good	92	26.58
Pass	139	40.17

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 reverse bias 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	

List any inadequacies:

Inadequate	
------------	--

Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- High success percentage in question 1 of the final written exam

9- Course enhancement:

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

	Actions required	Planned Completion date	Accomplishment
(f)	Add more experiments to physics Laboratory	December 2014	No action.

9- Action plan for academic year 2014 – 2015

	Actions required	Completion date	Person responsible
1.	adding more exercises, assignments reports and quizzes for Chapter 1- 4	December 2014	Prof. Dr L. I. Soliman

Course coordinator: Prof. DrL. I. Soliman

Signature:

Date: September 2014

Annual Course Report (Academic Year 2013-2014)

A- Basic Information:

- 1- Title and code: Presentation Skills (GEN 241)
- 2- Program(s) on which this course is given: Presentation Skills.
- 3- Year/Level of program: Level Two
- 4- Unit hours 2
Lectures 2hrs Tutorial 2hrs Practical - hrs Total 4hrs
- 5- Names of lecturers contributing to the delivery of the course: Dr. Lubna Fekry Abdel Aleem
- 6- Course coordinator: Dr. Lubna Fekry Abdel Aleem
- 7- External evaluator: Prof. Salwa Hussein El- Ramly - Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL		SPRING	
No. of students attending the course	No. 200	100%	No. 7	100%
No. of students completing the course	No. 191	95.5%	No. 6	85.714%
Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	191	95.5	6	85.714
Failed	9	4.5	1	14.286

Grading of students				
	FALL		SPRING	
	No.	%	No.	%
A+	0	0	0	0
A	0	0	0	0
A-	7	3.5	0	0
B+	22	11	1	14.286
B	28	14	2	28.571
C+	33	16.5	2	28.571
C	45	22.5	0	0
D+	33	16.5	0	0
D	12	6	0	0
D-	11	5.5	1	14.286
F	9	4.5	1	14.286

C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Lecturer
1- Preparation of short talks.	2	Dr. Lubna Fekry Abdel Aleem
2-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.	8	
2- To improve the student communications skills / Seminar training	4	
3- To develop the student acquiring power of leadership	2	
4-. Training on active listening and negotiation.	4	
5- To understand and practice what's body language.	2	
6- How to write a technical report.	2	
7- C.V Writing	2	
8- Preparation of an attractive C.V. containing personal data qualifications, posts, and publications. - Interview Preparations.	2	
Total hours	28	

Percentage of the content specified:

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

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

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

Case Study:

Other assignments/homework:

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

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

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

Members of examination committee Dr. Lubna Fekry Abdel Aleem

5- Administrative constraints

List any difficulties encountered

➤ None

6- Student evaluation of the course:

List any criticisms

- ارجو توضيح اهداف المادة بطريقة افضل واستخدام اسلوب افضل لتوضيح مواضيع المادة لانه لا يوجد فهم بطريقة جيدة
- المشكلة تكون في ان الدكتور كانت توضح ان ال CV Form لابد ان يكون بصورة شخصية عكس ما عرفتة

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2014 – 2015

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. Lubna Fekry Abdel Aleem

Signature:

Date: August 2014