COMPUTER ENGINEERING AND INFORMATION TECHNOLOGY B.SC.

ANNUAL PROGRAM REPORT

2014-2015 – By-Law 2012

Contents

Program Report

November 2014

1. General

1.1. Basic Information

Program Title: Computer Engineering and Information Technology B.Sc. Program
Program Type: Single
Department: Computer Engineering and Information Technology Department
Coordinator: Prof. Dr. Said A. Gawish
Assistant Co-ordinator: Dr. Adel Khedr
External Evaluators: Prof. Aly Aly Fahmy, Former Dean of the Faculty of Computer and Information, Cairo University
Academic Standard: The program adopts the Academic Reference Standards for the Computer Engineering and Information Technology B.Sc. Program (ARS) approved by the National Authority for Quality Assurance and Accreditation in Education (NAQAAE), first edition, July 2015.
Program Commencement: 2012
Date of program specifications approval: July 2015

1.2. Staff Members

The Computer Engineering and Information Technology B.Sc. Program is taught by 29 highly qualified staff members, 26 of them are full time employed and 3 are part time staff members in the Electrical Engineering department ,in addition to 21 full time employed staff members teaching the basic science courses. All of the staff members are qualified to teach the courses allocated to them. The staff members are assisted by 65 full time teaching assistants in addition to 19 engineers and 18 technicians.

1.3. Program Reviewing

The program was evaluated by one external evaluator. His evaluation report showed that the program specification agrees with the Adopted Academic Reference Standards.

2. Professional Information

2.1 Statistics

1. No. of students starting the program at 2013-2014: 55

2.2 Academic Standards

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

2nd year electrical engineering

Code	Course Title	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General &Transferable Skills
		A	B	C	D
ARC 210	Civil Engineering Technology.	A3,A4,A7,A8	B1,B2,B9	C1,C2,C3,C5,C7	D6
ELC 211	Electrical Circuit Analysis-1	A1, A2, A3, A4, A5, A6,A8,A15	B1, B2, B4, B5, B6, B7	C1,C3,C5,C6,C9,C10,C11	D1, D2, D3,D6, D7, D9
CMP 211	Logic Design-1.	A1.A2,A3,A5,A14	B1,B2,B3,B4,B8, B12,B14	C1,C2,C3,C5,C6	D1,D2,D3,D4,D5,D6,D7,D9
ELC 214	Modern Theory for Semiconductor Devices	A1, A2, A3, A8, A9	B1, B2, B4, B5, B6, B7, B8, B12	C1, C2,C3, C4, C7, C8, C11, C12	D1, D3, D4, D7, D9
MTH 203	Mathematics -3 (Differential Equations and Transforms).	A1, A2, A5	B1, B2, B3, B7	C1, C12	D3,D7
GEN 241	Presentation Skills.	A9, A10, A12	B14	C11	D1, D2, D3, D5, D7
CMP 210	Data Structures and Algorithms.	A1,A2,A3,A4,A5,A9,A12,A16,A18	B1,B2,B4,B8,B12,B14,B17,B18	C1,C2,C3,C5,C6	D1,D2,D3,D4,D6,D7
ELC 212	Electrical Circuit Analysis-2	A1, A2, A3, A4, A5, A6	B1, B2, B3, B4, B5, B6, B7	C1,C2	D1, D2, D3, D7, D9
ELC 213	Electrical Measurements.	A1, A4, A14,A15	B1,B3,B5,B6,B7, B9,B10,B11,B13, B14	C2,C3,C5,C15, C16,C17,C18,C20	D1,D3,D6,D8,D9
MNF 210	Mechanical Engineering Technology.	A1, A3, A4, A5	B1, B2, B3, B4, B5, B6, B7, B12	C1, C2, C5, C6, C12	D1, D2, D3, D7, D9
MTH 204	Mathematics - 4(Advanced Calculus)	A1, A5	B1, B2, B3	C1, C12	D3, D7
ELC 215	Semiconductors for Microelectronics	A1, A2, A3, A8, A9	B1, B2, B4, B5, B6, B7, B8, B12	C1,C2, C3, C4, C7, C11, C12	D1, D3, D4, D7, D9

3rd year computer

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General &Transferable Skills
		A	B	C	D
GEN 341	Project Management.	A1, A3, A4, A10	B9	C12	D1, D3 , D6, D7, D9
ELC 310	Control-1 (Principles of Automatic Control).	A1,A4,A5,A16	B1,B2,B5,B7,B13	C1,C2,C3,C5,C11,C12,C14,C17	D1,D3,D7,D9
ELC 312	Microelectronic Circuits-1	A3, A4 , A8 , A13	B2 , B5 , B7	C3 , C17	D3, D5 , D6 ,D7
CMP 310	Engineering Computer Applications	A1,A2,A5,A8,A12,A13,A16	B1,B2,B3,B5,B7,B13,B14,B17,B18	C1,C2,C3,C4.C5,C6,C7,C14,C15	D1,D3,D4,D5, D7,D9
MTH 305	Mathematics -5 (Introduction to Probability. and Statistics).	A1, A2, A5, A10	B1, B2, B3, B4, B7,B11	C1, C2, C7, C13	D3, D7
ELC 315	Signal Analysis	A2	B2	C1,C13	D3,D6,D7,D9
CMP 361	Seminar-1	A1,A3,A5,A8,A9,A11,A15,A16	B1,B2,B5,B10,B13 ,B14,B17	C1,C2,C5,C6C9 ,C10,C11,C12,C14,C15,C16	D1,D2,D3,D7
CMP 421	Computer Architecture	A1,A2,A3,A4,A5,A8 ,A10,A13,A15	B1,B2,B3,B4,B5,B6,B7,B12,B13,B17	C1,C2,C3,C4,C6,C13,C14,C15	D1,D3,D4,D5, D6,D7,D9
ELC 311	Communications -1	A2	B7	C5	D3, D5, D6, D7
ELC 314	Electronic Measurements	A5,A10,A15	B2, B3 ,B12	C3, C12 , C15, C20	D4 ,D6 ,D7
CMP 362	Seminar-2.	A1,A3,A4,A5,A7,A9 ,A10,A11,A15	B1,B2,B4,B5,B12, B13,B14,B17	C1,C5,C6,C9,C10,C11,C12,C16	D1,D2,D3,D6, D7
ELC 313	Microelectronic Circuit-2	A1,A3,A4,A15	B2,B3,B5	C1,C7,C15,C18	D2,D3,D6,D7, D9
MTH 306	Mathematics - 6(Complex Analysis and P.D.E)	A1, A3, A5	B1, B2, B3, B4, B7	C1,C12	D1, D3, D7
GEN 353	Management & International Business	A6, A7, A10, A12	B3, B4, B5, B9, B10	C1,C5	D1, D3, D7, D9
CMP 563	Industrial Training-1	A5,A6,A7,A13,A14, A15,A16,A17	B1,B2,B3,B4,B6,B7,B8,B10,B11,B12 ,B13,B14,B17	C1,C2,C5,C7,C8,C9,C10,C11,C13,C14,C16	D1,D2,D3,D4, D6,D7,D8,D9

4th year computer

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General &Transferable Skills
		A	B	C	D
CMP 311	Numerical Methods with Computer Applications.	A1,A5	B1,B2,B3,B11	C1,C4	D3,D4,D7
CMP 423	Data Base Management.	A1,A2,A4,A5,A13, A15,A16,A17	B2,B3,B7,B8,B9,B 12,B15,B17	C1,C4,C13	D1,D3,D4,D7, D9
CMP 410	Microprocessor Based Systems.	A4,A5,A9,A14,A1 5,A16,A18	B1,B2,B3,B4,B5,B 6,B9,B11,B12,B13 ,B16,B17	C5,C6,C12,C14 ,C15	D3,D5,D7,D9
ELC 410	Electrical Power Engineering	A1,A3,A4,A5,A6,A 8,A11,A13,A14,A1 5,A16	B1,B2,B3,B6,B9,B 11	C1,C2,C4,C5,C 8	D2,D3,D6,D7, D8
CMP 435	Operating Systems (Elective #1)	A1,A2,A4,A15,A1 7,A18	B1,B2,B3,B4,B5,B 7,B16,B17,B18	C1,C2,C3,C5,C 8,C19	D1,D2,D3,D4, D7,D8,D9
GEN 352	Engineering Laws and Regulations	A5,A6,A9,A10,A1 1	B3,B4,B9,B12	C1,C5	D1,D3,D7,D9
CMP 422	Computer Graphics and Man Machine Interface	A1,A2,A4,A5,A8,A 12,A15,A16	B1,B2,B3,B7,B8,B 10,B13	C1,C2,C3,C4,C 5,C6,C7,C11,C 13,C15	D1,D3,D4,D6, D7,D8,D9
CMP 426	Logic Design -2.	A1,A2,A3,A4,A5,A 9,A14	B1,B3,B4,B6,B7,B 8,B12,B14,B17	C1,C2,C3,C4,C 5,C6	D1,D2,D3,D4, D5,D6,D7,D9
CMP 424	Data Transmission and Computer Networks.	A1,A2,A3,A4,A5,A 6,A8,A12,A15,A17 ,A18,A19,A20	B1,B4,B5,B14,B1 7,B21	C1,C2,C3,C5,C 6,C10,C11,C19	D1,D3,D4,D5, D6,D7,D9
CMP 425	Information Systems.	A1,A2,A3,A4,A7,A 8,A9,A12,A18,A19 ,A20	B1,B2,B3,B4,B12, B14,B18,B19,B20, B22,B23	C1,C2,C3,C4,C 5,C6,C13,C14, C15,C17,C18	D1,D3,D4,D5, D6,D7,D9
CMP 461	Project -1	A4,A5,A6,A8,A10, A14,A15	B2,B3,B4,B5,B6,B 9,B10,B11,B12,B1 3,B15	C1,C2,C3,C4,C 5,C6,C7,C8,C9, C10,C11,C12,C 13,C14,C15	D1,D3,D7,D9
CMP 436	Software Engineering (Elective # 2)	A1,A3,A4,A6,A7,A 8,A12,A13,A15,A1 8	B1,B2,B4,B5,B7,B 9,B14,B17	C1,C2,C3,C4,C 6,C9,C10,C11, C12,C13,C14	D1,D3,D4,D6, D7,D9
CMP 564	Industrial Training-2	A7,A9,A10,A11,A 13,A14,A15,A20	B1,B2,B3,B4,B6,B 7,B8,B10,B11,B12 ,B13,B14,B17	C1,C2,C4,C5,C 6,C7,C8,C9,C1 0,C11,C12,C13,	D1,D2,D3,D4, D5,D6,D7,D8, D9

				C14,C16	

5th year computer

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General &Transferable Skills
		A	B	C	D
CMP 523	Languages and Compliers	A1,A2,A3,A5,A8,A13,A15,A17	B1,B2,B3,B5,B9,B13,B14	C5,C6,C7,C12,C14,C16	D3,D4,D7,D9
CMP 524	Computer Modeling and Simulation	A1,A2,A3,A4,A5,A11,A13,	B1,B2,B3,B7,B8,B12,B13,B14,B17	C1,C2,C5,C6,C7	D1,D3,D4,D5,D7,D9
CMP 562	Project -2 (First Stage)	A4,A5,A6,A8,A10,A14,A15,A17,A18	B1,B2,B3,B4,B5,B7,B8,B10,B11,B12,B13,B14,B15,B17,B18	C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16	D6,D7,D8,D9
CMP 533	(Computer Organization Elective #3)	A1,A2,A3,A9,A13,A16	B1,B2,B3,B4,B12,B14	C1,C2,C3,C6,C9,C12,C14,C15,C19	D1,D3,D4,D5,D7,D9
GEN 242	Technical Report Writing	A 4, A10, A11	B4	C2,C4,C12,C14	D6,D8
CMP 521	Distributed Computer Systems	A2,A3,A5,A8,A12,A13,A14,A15,A17	B2,B3,B4,B5,B6,B13,B14,B17,B21	C1,C2,C3,C5,C6,C14,C16,C17	D1,D3,D4,D5,D6,D7,D9
CMP 522	Artificial Intelligence.	A1,A3,A5,A13,A14,A15	B2,B3,B4,B14,B16	C3,C11,C12,C13,C14	D1,D3,D4,D7,D9
CMP 562	Project-2(Second Stage)	A4,A5,A6,A8,A10,A14,A15,A17,A18	B1,B2,B3,B4,B5,B7,B8,B10,B11,B12,B13,B14,B15,B17,B18	C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16	D6,D7,D8,D9
CMP432	Digital Image processing (Elective#4)	A1,A2,A3,A4,A5,A12,A15,A16	B1,B2,B7,B12,B13,B15,B16,B17	C1,C2,C3,C4,C5,C7,C13,C14,C15	D3,D4,D6,D7,D8,D9
ELC422	Digital signal processing (Elective#5)	A2, A5, A8, A10	B1, B3, B7, B11, B14,B15	C2, C5, C6, C12, C14 , C15	D3, D4 , D7

Reviewing the previous tables we observe that the program intended learning outcomes are covered in all courses taught in the program.

Table 1 depicts Computer Engineering and Information Technology courses

Year	Term	Code	Title
First Year	Spring	CHE 100	Chemistry.
		GEN 141	Contemporary Social Issues
		MNF 101	Engineering Graphics
		GEN 143	History of Engineering and Technology
		MEC 101	Mechanics -1.
		MTH 101	Mathematics -1 (Algebra and Calculus)
		PHY 101	Physics -1
	Fall	MNF 100	Introduction to Engineering Materials.

		GEN 142	English Language.
		MEC 102	Mechanics-2
		MTH 102	Mathematics -2(Integration and Analytic Geometry)
		PHY 102	Physics-2.
		MNF 102	Principles of Production Engineering
		CMP 110	Program Design and Computer Languages.
Second Year	spring	ARC 210	Civil Engineering Technology.
		ELC 211	Electrical Circuit Analysis-1
		CMP 211	Logic Design-1.
		ELC 214	Modern Theory for Semiconductor Devices
		MTH 203	Mathematics -3 (Differential Equations and Transforms).
		GEN 241	Presentation Skills.
	Fall	CMP 210	Data Structures and Algorithms.
		ELC 212	Electrical Circuit Analysis-2
		ELC 213	Electrical Measurements.
		MNF 210	Mechanical Engineering Technology.
		MTH 204	Mathematics -4(Advanced Calculus)
		ELC 215	Semiconductors for Microelectronics
Third Year	Spring	GEN 341	Project Management.
		ELC 310	Control-1 (Principles of Automatic Control).
		ELC 312	Microelectronic Circuits-1
		CMP 310	Engineering Computer Applications
		MTH 305	Mathematics -5 (Introduction to Probability. and Statistics).
		ELC 315	Signal Analysis
		CMP 361	Seminar-1
	Fall	CMP 421	Computer Architecture

		ELC 311	Communications -1
		ELC 314	Electronic Measurements
		CMP 362	Seminar-2.
		ELC 313	Microelectronic Circuit-2
		MTH 306	Mathematics -6(Complex Analysis and P.D.E)
		GEN 353	Management & International Business
	Summer	CMP 563	Industrial Training-1
Fourth Year	Spring	CMP 311	Numerical Methods with Computer Applications.
		CMP 423	Data Base Management.
		CMP 410	Microprocessor Based Systems.
		ELC 410	Electrical Power Engineering
		CMP 435	Operating Systems (Elective #1)
		GEN 352	Engineering Laws and Regulations
	Fall	CMP 422	Computer Graphics and Man Machine Interface
		CMP 426	Logic Design -2.
		CMP 424	Data Transmission and Computer Networks.
		CMP 425	Information Systems.
		CMP 461	Project -1
		CMP 436	Software Engineering (Elective # 2)
	Summer	CMP 564	Industrial Training-2
Fifth Year	**Spring**	CMP 523	Languages and Compliers
		CMP 524	Computer Modeling and Simulation
		CMP 562	Project -2 (First Stage)
		CMP 533	(Computer Organization Elective #3)
		GEN 242	Technical Report Writing
	Fall	CMP 521	Distributed Computer Systems
		CMP 522	Artificial Intelligence.
		CMP 562	Project-2(Second Stage)
		CMP432	Digital Image processing (Elective#4)
		ELC422	Digital signal processing (Elective#5)

مواد قسم هندسة الحاسبات

مواد قسم علوم انسانية

Table 2-a Core Human Sciences Courses (12 Compulsory credit Hours

Course		Hours				Pre-requisite	Subject Area According to NARS					
Code	Title	Cred	Lec	Tut	Lab		Hum. & Soc. Sc.	B. Eng. Sc.	App. Eng. & Des.	Comp. App. & ICT	Proj. & Practice	Discretionary
GEN 141	Contemporary Social Issues	2	2	-	-	Non	2					
GEN 142	English Language.	2	2	-	-	Non	2					
GEN 143	History of Engineering and Technology.	2	2	-	-	Non	2					
GEN 241	Presentation Skills.	2	2	-	-	Non	2					
GEN 242	Technical Report Writing.	2	2	-	-	Non	2					
GEN 341	Project Management.	2	2	-	-	Non	2					
Total		12					12					

Table 2-b Elective Human Sciences Courses (4 Credits Elected).

Course		Hours				Pre-requisite	Subject Area According to NARS						
Code	Title	Cred	Lec	Tut	Lab		Hum. & Soc. Sc.	Math. & B. Sc.	B. Eng. Sc.	App. Eng. & Des.	Comp. App. & ICT	Proj. & Practice	Discretionary

GEN 351	Engineering Economy.	2	2	-	-	None	4							
GEN 352	Engineering Laws and Regulations.	2	2	-	-	None								
GEN 353	Management International Business and Total Quality Management.	2	2	-	-	None								
GEN 354	Sound Systems and Noise Pollution.	2	2	-	-	None								
GEN 355	Standard Calibers for Communications and Information.	2	2	-	-	None								
GEN 451	Computer Systems Implementation.	2	2	-	-	At least 140 credit hr								
GEN 452	Environmental Effects of Electromagnetic Waves.	2	2	-	-	None								
GEN 453	Industrial Psychology.	2	2	-	-	None								
GEN 454	Basics of Engineering Syndicate Works	2	2	-	-	None								
Total		4*		-	-		4							

مواد قسم هندسة التصنيع وعلوم اساسية

Table -3-Mathematics & Basic Science Subjects (36 Compulsory Credit Hours)

Course		Hours				Pre-requisite	Subject Area According to NARS						
Code	Title	Cred	Lec	Tut	Lab		Hum. & Soc. Sc.	Math. & B. Sc.	B. Eng. Sc.	App. Eng. & Des.	Comp. App. & ICT	Proj. & Practice	Discretionary
CHE 100	Chemistry.	3	2	1	2	None		3					
MNF 100	Introduction to Engineering Materials.	1	1	-	-	None		1					
MNF 101	Engineering Graphics.	3	1	6	-	None		3					
MEC 101	Mechanics -1.	2	1	3	-	None		2					
MEC102	Mechanics-2.	2	1	3	-	MEC 101		2					
MTH 101	Mathematics-1(Algebra and Calculus).	3	2	2	-	None		3					
MTH 102	Mathematics-2(Integration and Analytic Geometry).	3	2	3	-	MTH 101		3					
PHY 101	Physics-1.	3	2	1	2	None		3					
PHY 102	Physics -2.	3	2	1	2	PHY 101		3					
MNF 102	Principles of Production Engineering.	3	1	-	4	MNF 101		3					
MTH 203	Mathematics -3(Differential Equations and Transforms).	3	2	3	-	MTH 102		3					
MTH 204	Mathematics-4(Advanced Calculus).	3	2	3	-	MTH 101		3					
MTH 305	Mathematics -5(Introduction to Prob. and	2	1	3	-	MTH		2					

	Statistics)					102							
MTH 306	Mathematics -6 (Complex Analysis and P.D.E).	2	1	3	-	MTH 102		2					
Total		36						36					

المواد المشتركة بين اتصالات وحاسبات

Table 4 Table of Core Basic Engineering Courses (63 Compulsory Credit Hours).

Course		Hours				Pre-requisite	Subject Area According to NARS						
Code	Title	Cred	Lec	Tut	Lab		Hum. & Soc. Sc.	Math. & B. Sc.	B. Eng. Sc.	App. Eng. & Des.	Comp. App. & ICT	Proj. & Practice	Discretionary
CMP 110	Program Design and Computer Languages.	4	2	3	2	None			1		3		
ARC 210	Civil Engineering Technology.	3	2	3	-	None			3				
CMP 210	Data Structures and Algorithms.	3	2	2	-	CMP 110			1		2		
ELC 211	Electrical Circuit Analysis-1.	3	2	1	2	MTH 102			3				
ELC 212	Electrical Circuit Analysis-2.	3	2	3	–	ELC 211			3				
ELC 213	Electrical Measurements.	3	2	1	2	ELC 215			3				
CMP 211	Logic Design-1.	4	3	1	2	MTH 101			2			2	
MNF 210	Mechanical Engineering Technology.	3	2	1	2	MEC 102 MNF 100			3				
ELC 214	Modern Theory for Semiconductor Devices.	3	2	1	2	PHY 102			3				
ELC 215	Semiconductors for Microelectronics.	3	2	1	2	ELC 214			3				
CMP 310	Engineering Computer Applications.	3	2	1	2	CMP 110					3		
CMP 311	Numerical Methods with Computer Applications.	3	2	2	-	None			1		2		
ELC 310	Control-1.(Principles of Automatic Control).	4	3	1	2	MTH 203			3		1		

ELC 311	Communications-1.	3	2	1	2	ELC 315					3		
ELC 312	Microelectronic Circuits-1	3	2	1	2	PHY 102			3				
ELC 313	Microelectronic Circuits-2	3	2	1	2	ELC 312			3				
ELC 314	Electronic Measurements.	3	2	1	2	ELC 215			3				
ELC 315	Signal Analysis.	3	2	2	–	MTH 305			3				
CMP 410	Microprocessor Based -Systems.	3	2	1	2	CMP 211			2		1		
ELC 410	Electrical Power Engineering.	3	2	1	2	ELC 211			2			1	
Total		63							45		15	3	

مواد التخصص

Table 5-a Core Applied Engineering Courses (34 Compulsory Credit Hours)

Course		Hours				Pre-requisite	Subject Area According to NARS						
Code	Title	Cred	Lec	Tut	Lab		Hum. & Soc. Sc.	Math. & B. Sc.	B. Eng. Sc.	App. Eng. & Des.	Comp. App. & ICT	Proj. & Practice	Discretionary
CMP 421	Computer Architecture	3	2	2	-	CMP 211				3			
CMP 422	Computer Graphics and Man Machine Interface.	3	2	1	2	MNF 101 CMP 421				3			
CMP 423	Data Base Management.	4	3	2	-	MTH 102							4
CMP 424	Data Transmission and Computer Networks.	4	3	2	-	CMP 421							4
CMP 425	Information Systems	3	2	2	-	CMP 310							3
CMP 426	Logic Design -2.	3	2	1	2	CMP 211				3			
CMP 521	Distributed Computer Systems.	3	2	2	-	CMP 421							3
CMP 522	Artificial Intelligence.	4	3	2	-	CMP 410				3	1		
CMP 523	Languages and Compilers.	4	3	2	-	CMP 210				3	1		
CMP 524	Computer Modeling and Simulation	3	2	2	-	CMP 110				3			
Total		34								18	2		14

Table 5-b Applied Engineering Elective Courses (12 Credits)

Course	Hours	e-requisi	Subject Area According to NARS

Code	Title	Cred	Lec	Tut	Lab		Hum. & Soc. Sc.	Math. & B. Sc.	B. Eng. Sc.	App. Eng. & Des.	Comp. App. & ICT	Proj. & Practice	Discretionary
CMP 431	Computer Peripherals.	3	2	2	-	CMP 421							
CMP 432	Digital Image Processing.	3	2	1	2	CMP 310							
CMP 433	Embedded Systems	3	2	2	-	CMP 211							
CMP 434	Multimedia	3	2	1	2	CMP 210							
CMP 435	Operating Systems.	3	2	2	-	CMP 421							
CMP 436	Software Engineering.	3	2	2	-	CMP 110							
CMP 531	Advanced Computer Systems.	3	2	2	-	CMP 410							
CMP 532	Advanced Database Systems.	3	2	2	-	CMP 423							
CMP 533	Computer Organization.	3	2	2	-	CMP 421				12			
CMP 534	Computer Performance.	3	2	2	-	CMP 210							
CMP 535	Computer System Technology.	3	2	2	-	CMP 421							
CMP 536	Fault Tolerant Computing.	3	2	2	-	CMP 110							
CMP 537	Computer Interfacing.	3	2	2	-	CMP 421							
CMP 538	Pattern Recognition and Neural Networks.	3	2	2	-	MTH 203 CMP 410							
CMP 539	Real Time Computing.	3	2	2	-	CMP 110							
Total		12								12			

Table 5c computer major courses (3 credit from communication major)

Course		Hours				Pre-requisite	Subject Area According to NARS						
Code	Title	Cred	Lec	Tut	Lab		Hum. & Soc. Sc.	Math. & B. Sc.	B. Eng. Sc.	App. Eng. & Des.	Comp. App. & ICT	Proj. & Practice	Discretionary
ELC 422	Digital signal processing	3	2	1	2	MTH 203 CMP 211				3			

Comments of external evaluator and other stakeholders

Comments and replies are stated in the program report of 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 total achievement of program aims which are:

The following are the aimed graduate attributes:

1. Apply knowledge of mathematics, science and engineering concepts to the solution of engineering problems.
2. Design a system; component and process to meet the required needs within realistic constraints.
3. Design and conduct experiments as well as analyze and interpret data.
4. Identify, formulate and solve fundamental engineering problems.
5. Use the techniques, skills, and appropriate engineering tools, necessary for engineering practice and project management.
6. Work effectively within multi-disciplinary teams.
7. Communicate effectively.
8. Consider the impacts of engineering solutions on society and environment.
9. Demonstrate knowledge of contemporary engineering issues.
10. Display professional and ethical responsibilities; and contextual understanding.
11. Engage in self- and life- long learning.
12. Demonstrate inductive reasoning abilities, figuring general rules and conclusions about seemingly unrelated events.
13. Use current advanced techniques, skills, and tools necessary for computing practices to specify, design, and implement computer-based systems.
14. Recognize the information requirements of various business activities on both operational and decision making levels.
15. Tackle business problems using system analysis tools and techniques.
16. Manage projects related to computer systems in diverse fields of applications.
17. Implement phases of the computer system development life cycle, procurement and installation of hardware, software design, data manipulation and system operations.
18. Appreciate knowledge of tools and techniques of system development and implementation involving data and network security aspects.
19. Implement computer applications to support business needs including databases and network solutions.
20. Conduct effectively user experience building to the use computer applications in various business domains.

The program aims at providing future engineers of computer engineering and information technology with appropriate theoretical knowledge and technical skills to respond to professional market demands.

2.4 Assessment methods

- The department depends in evaluating the students on various methods such as final exam, midterm exam, oral exams, weekly sheets, practical exam &researches, according to the course structure and assessment methods mentioned in courses specifications.
- The exam must cover the intended learning outcomes mentioned in the course specification and the department is keen on revising the exam sheet which must cover at least 80 % of the course content.
- The final grade awarded to student in a course is usually based on the grades for both final exam and semester work and for some courses practical exam is required.

2.5 Student achievement

- The results of students completing the program throughout different levels reveals that the ratio of students passing successfully is almost stabilized at reasonable ratio.

Comments of external evaluator and other stakeholders:

- All comments of external reviewers and responses are stated in the first annual program report (2010-2011.

2.6 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.

2.7 Effectiveness of student support systems

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

- 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.
- Students participate in regular and random department meetings and given the opportunity to explain their problems and views.
  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

2.8 Learning resources

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

- Staff members and the assistants (Appendix 1 - Program Specification)

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

2.9 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 center 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

No requirements.

4. Progress of previous year's action plan

One of the computer labs was supplied by 60 upgraded computer devices
One data show is added to one computer lab
There are a new list of books, bought to academy's library

5. Action plan

1. **Replacing 8 computers by new ones to the microprocessor Lab**
2. **Developing the logic design and microprocessor lab with new kits to achieve the requirements of the credit hour courses and the development of computer engineering technology**
3. **Introducing new labs as network to achieve the requirements of the credit hour courses and the development of computer engineering technology**
4. **Completing the development of computer labs**
5. **Establish the training department tem**
6. **Arranging invitations for Industrial training companies for the summer training course**
7. **Preparing the books of industrial training Term**
8. **Making a plan of training the stuff of Department that taking part of training term**

Program Coordinator: Prof. Dr. said Gawish

Signature:

APPENDIX 1

ANNUAL COURSE REPORTS

2014-2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

1- Course Code & Title: (CHE100) Chemistry

2- Program(s) on which this course is given: Manufacturing Engineering and Production Technology BSc Program
Electronic Engineering and Communication Technology

BSc Program
Computer Engineering and Information Technology
BSc Program
Architecture Engineering and Building Technology
BSc Program

3- Year/Level of program: First Year/Second Semester
4- Credit hours
Credit 3 hrs Lectures 2 hrs Tutorial 1 hrs Practical 2 hr
5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Shaban Ragab Gouda

6- Course coordinator: Prof. Dr.Shaban Rageb Gouda
7- External evaluator: Non

B- Statistical Information

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

3- Results:

	No.	%
Passed	1088	95.10
Failed	56	4.89

Grading of successful students:		
Grade	No.	%
Excellent	463	40.46
Very Good	260	22.72
Good	203	17.74
Pass	162	14.16

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Gas low and gas liquefaction	6	6	Prof. Dr. Shaban Rageb
• Liquid state, refrigeration and heat pump.	6	6	
• Electrochemistry and metallic corrosion.	5	5	
• Solution and antifreezes	3	3	
• Thermo chemistry and solar heat.	3	3	
• Pollution	0	0	
• water treatment and distillation	14	14	
• polymer and industry	3	3	
• fuels and combustion	3	3	
• Chemistry and tech. of petroleum and new trends in energy resource.	3	3	
Total hours			

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

Reasons in detail for not teaching any topic: non

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

	giving detailed comments concerning the correct answers	problems will be presented during the exercises periods
(c)	It is recommended to announce the points of mid- term, rather than the grades.	The form and timing of declaration of year work evaluation results follow the Academy policy.

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

- 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 2015	Two experiments are already added on September 2014. One more is planned for May 2015

9- Action plan for academic year 2013 – 2014

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

Course coordinator: Prof. Dr Shaban Rageb
Signature:
Date: September 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

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

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

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

3- Year/Level of program: First Semester

4- Credit hours

Credit 2 hrs Lectures 2 hrs Tutorial - Practical -

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

6- Course coordinator: Prof. Dr شيماء نبيه

7- External evaluator: Non

B- Statistical Information

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

6- Results:

	No.	%
Passed	507	96.20
Failed	20	3.79

Grading of successful students:		
Grade	No.	%
Excellent	178	33.77
Very Good	146	27.70
Good	108	20.49
Pass	75	14.23

C- Professional Information

1 – Course teaching

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

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

Reasons in detail for not teaching any topic: Non

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

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

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

State the involvement of the external evaluator in:

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

8- 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	Prof. Dr shimaa nabih

Course coordinator: Prof. Dr. شيماء نبيه
Signature:
Date: September 1, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

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

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

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

3- Year/Level of program: First Semester

4- Credit hours

Credit 2 hrs Lectures 2 hrs Tutorial - Practical -

5- Names of lecturers contributing to the delivery of the course: Prof. Dr.مروه محمد فؤاد

6- Course coordinator: Prof. Dr مروه محمد فؤاد

7- External evaluator: Non

B- Statistical Information

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

9- Results:

	No.	%
Passed	507	96.20
Failed	20	3.79

Grading of successful students:		
Grade	No.	%
Excellent	178	33.77
Very Good	146	27.70
Good	108	20.49
Pass	75	14.23

C- Professional Information

1 – Course teaching

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

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Dr. مروه محمد فؤاد
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

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

State the involvement of the external evaluator in:
- The match between the examination and the topics taught.

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

8- 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	Prof. Drمروه محمد فؤاد

Course coordinator: Prof. Dr.مروه محمد فؤاد
Signature:
Date: September 1, 2015

Academic year 2014-2015

A- Basic Information

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

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

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

12- Results:

	No.	%
Passed	899	79.8
Failed	227	20.2

Grading of successful students:		
Grade	No.	%
Excellent	135	12.2
Very Good	183	16.1
Good	236	20.9
Pass	345	30.6

C- Professional Information

1 – Course teaching

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

	Total hours	30	75	45

Topics taught as a percentage of the content specified: More than 95 %
Reasons in detail for not teaching any topic:
Non
If any topics were taught which are not specified, give reasons in detail:
Non
Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

List any criticisms	Response of course team

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

7- Comments from external evaluator(s):

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

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

8- 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

9- Action plan for academic year 2013 – 2014

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Prof. Dr. Eng. Hassan Awad
Signature:
Date: September 24, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

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

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

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

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

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 2 hrs Practical

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

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

7- External evaluator: Non

B- Statistical Information

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

15- Results:

	No.	%
Passed	1250	92.12
Failed	107	7.88

Grading of successful students:		
Grade	No.	%
Excellent	671	49.45
Very Good	204	15.03
Good	154	11.35
Pass	221	16.29

C- Professional Information

1 – Course teaching

	Topic	Lecture hours	Acual 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):

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

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

8- Written Exam Evaluation

➢

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
Non	Non	Non

9- Action plan for academic year 2015 – 2016

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

Course coordinator: Dr. Sabry Abd El-Aziz
Signature:
Date: February, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

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

6- Course coordinator: Dr. Marwa Y. Shoeib

7- External evaluator: Non

B- Statistical Information

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

18- Results:

	No.	%
Passed	1136	91.47
Failed	106	8.53

Grading of successful students:		
Grade	No.	%
Excellent	461	37.12
Very Good	258	20.77
Good	214	17.23
Pass	203	16.34

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Rotational motion and the Gravitational Law.	10	10	Prof. Dr. El-
• Elasticity and Energy Stored in a wire.	6	8	
• Fluid Flow and Fundamental Laws of Fluid Mechanics.	6	8	

• Viscosity and Poiseuille's Law	3	4	Tawab Kamal
• Temperature and Heat Transfer.	7	8	
• Thermodynamics and the Kinetic Theory of Gases.	6	8	
• Simple Harmonic Motion.	4	0	
• Wave Motion and Energy Transmitted by Sinusoidal Waves.	6	0	
• Sound waves and Doppler's Effect.	6	0	
Total hours	54	46	

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: 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):

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

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

8- 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. (c) The department discussed the need for more advanced laboratory experiences, especially in the area of Thermodynamics.	September 2015	(a) More assignments were prepared. (b) Three experiments are already added on September 2014.

9- Action plan for academic year 2015 – 2016

Actions required	Completion date	Person responsible

1. The department discussed the need for more advanced laboratory experiences. 2. Acquaint students with several lab apparatus and experimental demonstrations. Forming groups to conduct laboratory exercises. 3. Organize group participation in collecting physics bulletins, magazines, news letters etc., and other international collaborations.	December 2016	All group members and course instructors

Course coordinator: Dr. Marwa Y. Shoeib
Signature:
Date: October 6, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

1- Course Code & Title: GEN 142 English Language

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

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

4- Credit hours

Credit 2 hrs Lectures 2 hrs Tutorial Practical

5- Course coordinator: Dr. Neveen Samir

6- External evaluator: Non

B- Statistical Information

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

21- Results:

	No.	%
Passed	525	90.51
Failed	55	9.48

Grading of successful students:		
Grade	No.	%
Excellent	51	9.71
Very Good	75	14.28
Good	170	32.38
Pass	229	43.61

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
Computer Hackers	2		
At the Doctor's	2		

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

Topics taught as a percentage of the content specified: >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):

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

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

(ILOs).

8- 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

9- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
NON	NON	NON

Course coordinator: Prof. Dr Neveen
Signature:
Date: September 1, 2015

Annual Course Report
Academic year 2012-2013

A- Basic Information

1- Course Code & Title: Mechanics-2 MEC 102
2- Program(s) on which this course is given: Basic science department

3- Year/Level of program: second Semester
4- Credit hours
Credit 2 hrs Lectures 1 hrs Tutorial **3**- Practical -
5- Names of lecturers contributing to the delivery of the course: Prof. Dr.Hassan Awad

6- Course coordinator: Prof.Dr. Hassan Awad
7- External evaluator: Non

B- Statistical Information

1- No. of students attending the course: **No.** **1221** **100 %**
2- No. of students completing the course: **No.** **1221** **1000 %**
3- Results:

	No.	%
Passed	1014	83.05
Failed	207	16.95

Grading of successful students:		
Grade	No.	%
Excellent	174	14.25
Very Good	209	17.12
Good	283	23.18
Pass	348	28.5

C- Professional Information

1 - Course teaching Topics taught as a percentage of the content specified:
>90 % 100 **70-90 %** **<70%**

Contents

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

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

Knowledge & Understanding	Intellectual skills	Applied Skills	General transferable skills
a1 to a5	b1 to b2	c1 to c3	d1 to d2

2- Teaching and learning methods:

Lectures: Lecture, discussions, problem solving and modeling
Practical training/ laboratory: Non
Seminar/Workshop: Lecture
Class activity Non.

Case Study: Selected case studies
Other assignments/homework: Bi-weekly assignments and reports
If teaching and learning methods were used other than those specified, give reasons: Non

3- Student assessment:

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

Members of examination committee: Prof.Dr. Hassan Awad
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	Non

7- Written Exam Evaluation

8- Course enhancement:

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

9- Action plan for academic year 2013 – 2014

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

Course coordinator: Prof. Dr . Hassan Awad
Signature:
Date: August , 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

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

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

Manufacturing Engineering and Production Technology BSc Program

Electronic Engineering and Communication Technology BSc Program

Computer Engineering and Information Technology BSc Program

Architecture Engineering and Building Technology BSc Program

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

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 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

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

24- Results:

	No.	%
Passed	1065	77.96
Failed	301	22.04

Grading of successful students:		
Grade	No.	%
Excellent	343	25.11
Very Good	222	16.25

Good	269	19.69
Pass	231	16.91

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 thearem 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	Trignometric Substitutions	2	2	2
6	Integration of rational functions	2	2	4
7	Miscellaneous Substitutions, improper integrals	2	2	4
8	Application of definite integral(area, volume, arc length, surface area)	3	3	4
9	Sequences, series	4	3	6
10	Equations of lines, planes and circles	3	3	4
11	Conic sections (parabola, ellipse, hyperbola)	4	3	6
	Total hours	**30**	**27**	**45**

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

Reasons in detail for not teaching any topic:

Non

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

Non

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Practical training/ laboratory:

Seminar/Workshop:

Class activity Numerical exercises; solution of problems

Case Study: Selected case studies

Other assignments/homework: Weekly assignments and reports

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

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	Non	0

Practical/laboratory work	Non	0
Other assignments/class work	15	15
Mid-Term Exam	15	15
Total	100	100

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

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

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

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

8- 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		

9- Action plan for academic year 2015 – 2016

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

Course coordinator: Dr Sabry Abd El Aziz
Signature:
Date: October 5, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

1- Course Code & Title: (PHY 102) Physics

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

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

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

4- Credit hours

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

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

6- Course coordinator: Dr. El-Tawab Kamal

7- External evaluator: Non

B- Statistical Information

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

27- Results:

	No.	%
Passed	881	85.95
Failed	144	14.05

Grading of successful students:		
Grade	No.	%
Excellent	47	5.33
Very Good	260	25.51
Good	244	27.70
Pass	330	37.46

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
• Charge and Matter, The Electric Field, Gauss' law	10	12	Dr. El-Tawab Kamal
• Gauss's law applications	4	8	
• Electric Potential	6	6	
• Capacitors and Dielectric	4	6	
• Current and Resistance, Electromotive force and Circuits	8	8	
• Ampere's law, Inductance	6	6	
• Magnetic Properties of matter	4	0	
• Electromagnetic Waves, Physical Optics, Polarization of light	4	0	
• Interference of light, Diffraction of light	6	0	
• Diffraction of light, Some applications	2	0	
Total hours	54	46	

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

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

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

(ILOs).

8- 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 2018	Four experiments are already added on September 2015. One more is planned for May 2017

9- Action plan for academic year 2013 – 2014

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

Course coordinator: Dr El-Tawab Kamal

Signature:

Date: September 2015

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

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

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

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

3- Year/Level of program: Freshman

4- Unit hours 4

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

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

Dr. Ehab ElShimee

Course coordinator:

B- Statistical Information

	FALL
No. of students attending the course	No. 546 100%
No. of students completing the course	No. 493 95.5%

	FALL	
	No.	%
Passed	493	90.293
Failed	53	9.707

	FALL	
	No.	%
A+	46	8.425
A	80	14.652
A-	73	13.370
B+	62	11.355
B	50	9.158
C+	49	8.974
C	40	7.326
D+	32	5.861
D	29	5.311
D-	32	5.861
F	53	9.707

C- Professional Information

1- Course Teaching:

Topic	Lecture hours	Lecture
➢ Steps for solving programs by computer programs	2	Dr. Ehab Elshime
➢ Program documentation and flow charts	2	
➢ Program structure in C++	1	
➢ Data types and declaration in C++	2	
➢ Input/output in C++ and I/O stream class	1	
➢ I/O manipulation	1	
➢ Operators and precedence in C++	2	
➢ Decision (Selection) Constructs in C++	2	
➢ Loops (Iterations) in C++	2	
➢ Arrays, Pointers, References, and dynamic allocation	2	

➢ Functions in C++, calling functions (by value, by reference)	2	
➢ Structures, Unions, Enumeration, and user-defined data types	2	
➢ Abstract data types (ADT)	1	
➢ Concepts and Terminologies of Object-Oriented Programming (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: Classical lecturing using the white board

Practical training/ laboratory: yes

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee
Role of external evaluator None

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

Totally adequate **.Yes.**
Adequate to some extent **……**
Inadequate **……**
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course: **Response of course team**
List any criticisms
Questioner Good

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

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

8- Course enhancement:

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

9- Action plan for academic year 2014 – 2015
Increasing exercises and number of application programs
Adding data show at each lab
Upgrading the computer of the labs

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

Course coordinator: Dr. Ehab Elshime

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

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

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

B- Statistical Information:

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

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

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

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Introduction	2	Prof. Dr. AdhamElAlfy
• Fundamentals of surveying	2	
• Measurement of areas from maps and measurement of angles	2	
• Leveling	2	
• Computation of volumes	2	
• Soil mechanics	2	Prof. Dr. AdhamElAlfy
• 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: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination	60 %
Practical examination	- %
Other assignments/class work	20 %
Mid-Term Exam	20 %
Total	**100 %**
Members of examination committee	Prof. Dr. Adham ElAlfy
Role of external evaluator	None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies None

5- Administrative constraints

List any difficulties encountered

- None

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

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Course enhancement:

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

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

9- Action plan for academic year 2015 – 2016

……..

Course coordinator: Prof. Dr. AdhamElAlfy

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

1- Title and code: Electrical Circuits Analysis I - (ELC 211)

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

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

4- Unit hours: 2

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

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

Prof. Dr. Said Refai – Dr. Haytham Gamal

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

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

B- Statistical Information:

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

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

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

C- Professional Information:

1 – Course teaching:

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: Classical lecturing using the white board

Practical training/ laboratory: Circuit laboratory

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Prof. Dr. Said Refai – Dr. Haytham Gamal

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: **Response of course team**

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Course enhancement:

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

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

9- Action plan for academic year 2015 – 2016

Modify the exercises for different topics special power calculation

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

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

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

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

Prof. Dr. MOHI-EIDIN RATEB

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

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

B- Statistical Information:

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

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

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

C- Professional Information:

1 – Course teaching:

Topic	Lecture Hours	Lecturer
• Introduction -Basic Definitions. -Laws of Boolean Algebra.	4	Prof. Dr. MOHI-EIDIN RATEB

• Logic Functions Representation &Realization -Methods of representation of logic functions truth table, S.O.P and P.O.S) -Realization of logic functions using AND-OR-NOT, NAND only and NOR only gate systems.	2 2	
-Matching logic functions with gate systems • Logic function minimization -Using Basic laws of Boolean Algebra.	2 2	
o Using Karnaugh map minimization. -Using Quine -Mc Clusky's Method.	2 2	
Minimization of multiple-output Logic Functions • Combinational logic modules -Half and full adders, Parallel adder connection, look ahead carry.	2 2	
o Decoders and de-multiplexers o Encoders. o Data selectors (multiplexers).	2 2	
-Parity checkers. -Read-only memories	2 2	
-Binary comparators. • Sequential logic circuit elements -State diagram and stat table representation of sequential circuits.	2 2	
o Asynchronous and synchronous sequential elements. - S-R Flip-flop,J-K flip-flop	2 2	
-D-Flip-flop and T flip-flop -Racing in sequential circuits	2 2	
-Master –slave and Edge –triggered Flip-flops. • Sequential Logic circuit modules -Introduction.	2 2	
Registers and shift registers.	4	
Asynchronous and synchronous counters.	4	
Counters using shift –registers (Johnson and ring counters)	4	
Random access memories(basic cell, addressing and read-write operations)	4	
Total Hours	**60**	

percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

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

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: **Response of course team**

List any criticisms

None None

7- Comments from external evaluator(s):

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

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

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

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

Course coordinator: Prof. Dr. MOHI-EIDIN RATEB

Signature:

Date: August 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information:

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

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

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

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

4- Credit hours

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

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

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

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

7- External evaluator: Non

B- Statistical Information:

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

Results:

	No.	%
Passed	310	96.8
Failed	10	11.5

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

C- Professional Information:

1 – Course teaching:

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

➢ Bonding in solids	3	2	
➢ Classical free electron model of metals	3	2	
Total hours	**30**	**15**	**30**

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

Reasons in detail for not teaching any topic: Non

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

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

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

Seminar/Workshop: Non

Class activity Numerical exercises; solution of problems.

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

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

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

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Written Exam Evaluation:

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

9- Course enhancement:

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

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

10- Action plan for academic year 2015 – 2016:

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

Course coordinator: Prof. Dr L. I. Soliman

Signature:

Date: Feb. 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

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

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

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

3- Year/Level of program: Sophomore, 2015

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

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

6- Course coordinator: Prof. Dr. Aly Essawi

7- External evaluator: Non

B- Statistical Information

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

30- Results:

	No.	%
Passed	593	89.58
Failed	72	10.88

Grading of successful students:		
Grade	No.	%
Excellent	128	19.34
Very Good	118	17.82
Good	142	21.45
Pass	205	30.97

C- Professional Information

1 – Course teaching

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

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

Reasons in detail for not teaching any topic:

Non

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

Non

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Prof. Dr. Aly Essawi and Dr. Ashraf Taha
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

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

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

8- Written Exam Evaluation

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

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 2014 – 2015

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Prof. Dr. Aly Essawi
Signature:
Date: October 1, 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

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

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

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

3- Year/Level of program: Second year

4- Unit hours 2

Lectures 2hrs Tutorial -- Practical -- Total 2hrs

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

6- Course coordinator: Dr. Lubna Fekry

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

B- Statistical Information:

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

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

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

C- Professional Information:

1 – Course teaching:

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

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

Practical training/ laboratory: None

Seminar/Workshop: yes

Class activity:

Bi-weekly presentation by students

Case Study: None

Other assignments/homework: Technical report/ CV writing / Work Biography

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

None

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

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

Members of examination committee Dr. LubnaFekry

Role of external evaluator None

4- Facilities and teaching materials: **Presentations, Videos, Pics ….etc**

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

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

6- Student evaluation of the course: **Response of course team**

List any criticisms

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Course enhancement:

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

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

9- Action plan for academic year 2015 – 2016

Course coordinator: Dr. LubnaFekry
Signature:
Date: October 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

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

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

B- Statistical Information:

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

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

Grading of students				
	SPRING		SUMMER	
	No.	%	No.	%
A	31	10.164	0	0
B	73	23.934	7	13.461
C	79	25.901	26	50

D	77	25.245	13	25
F	45	14.754	5	9.615

C- Professional Information

1 – Course teaching:

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

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

percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

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

Members of examination committee Prof. Dr. Mohi-Eldin Rateb
Role of external evaluator None

4- Facilities and teaching materials: **Dictionaries, Tape recorders….etc**
Totally adequate **.Yes.**
Adequate to some extent **……**
Inadequate **……**
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

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

7- Comments from external evaluator(s):
External evaluator:
An external experienced person in the field of specialization who is invited to review the structure and content of a program, its relevance to the ILOs, the standards and appropriateness of student assessments and attainment against the specification, and also evaluating the existing learning resources and whether or not they satisfy the program requirements. The institution is responsible for specifying the evaluators' role and appointing them.
State the involvement of the external evaluator in:
- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting
- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

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

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

Course coordinator: Prof. Dr. Mohi-Eldin Rateb

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

1- Title and code: Electrical Circuits Analysis II - (ELC 212)

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Said Refai – Dr. Haytham Gamal

6- Course coordinator: Prof. Dr. Said Refai

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

B- Statistical Information:

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

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

Grading of students						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%

A	0	0	6	1.785	0	0
B	0	0	33	9.821	1	1.429
C	1	20	79	23.511	18	25.714
D	0	0	141	41.964	31	44.285
F	4	80	77	22.917	20	28.571

C- Professional Information:

1 – Course teaching:

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: Classical lecturing using the white board

Practical training/ laboratory: Circuit Laboratory

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee	Prof. Dr. Said Refai – Dr. Haytham Gamal
Role of external evaluator	None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: **Response of course team**

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Course enhancement:

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

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

9- Action plan for academic year 2015 – 2016

Add another method for solving frequency selective circuit problems

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

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

1- Title and code: Electrical Measurements - (ELC 213)

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

Prof. Dr. SHOUMAN E.I. SHOUMAN.

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

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

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	**No.** 4 **100%**	**No.** 326 **100%**	**No.** 12 **100%**
No. of students completing the course	**No.** 4 **100%**	**No.** 319 **97.853%**	**No.** 9 **75%**

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

Grading of students			
	FALL	SPRING	SUMMER

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

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	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: Classical lecturing using the white board

Practical training/ laboratory: Measurements and Testing Laboratory

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Prof. Dr. SHOUMAN E.I. SHOUMAN.

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: **Response of course team**

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Course enhancement:

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

9- Action plan for academic year 2015 – 2016

Increase number of problems solved in tutorial periods

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

Signature:

Date: August 2015

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information:

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

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

B- Statistical Information:

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

Results				
	SPRING		SUMMER	
	No.	%	No.	%
Passed	**250**	**92.937**	**22**	**91.667**

Failed	19	7.063	2	8.333

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

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	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

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: **Response of course team**

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.

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

8- Course enhancement:

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

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

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

Signature:

Date: August 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

1- Course Code & Title: (MTH 204) Mathematics -4 (Advanced Calculus)
2- Program(s) on which this course is given:
Electronic Engineering and Communication Technology BSc Program
Computer Engineering and Information Technology BSc Program

3- Year/Level of program: Sophomore, 2015
4- Credit hours
Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical
5- Names of lecturers contributing to the delivery of the course: Prof.Dr. Aly Essawi
Dr. Ashraf Taha
6- Course coordinator: Prof.Dr. Aly Essawi
7- External evaluator: Non

B- Statistical Information

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

33- Results:

	No.	%
Passed	332	85.13
Failed	58	14.87

Grading of successful students:		
Grade	No.	%
Excellent	56	14.36
Very Good	74	18.97
Good	89	22.82
Pass	113	28.97

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Functions of several variables ; partial derivatives,. Directional derivatives, Taylor polynomials, Lagrange multiplier max, and min. of functions			
• Functions of several variables	2	3	—
• partial derivatives	3	4	—
• Directional derivatives	2	3	—
• Taylor polynomials	2	3	—
• Lagrange multiplier max, and min. of functions	3	4	—
➢ Multiple integrals (double, triple integrals)			
• Double integrals	4	6	—
• Triple integrals	4	6	—
➢ Polar coordinates, cylindrical coordinates and spherical coordinates			
• Polar coordinates, cylindrical coordinates	2	3	—
• spherical coordinates	2	3	—
➢ Green's theorem, Gauss's and Stocks theorems.			
• Vector Calculus	3	6	—
• Green's theorem, Gauss's and Stocks theorems.	3	4	—
Total hours	**30**	**45**	—

Topics taught as a percentage of the content specified: More than 98 %

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Dr. Ashraf Taha and 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):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Written Exam Evaluation

- Low success percentage in question 4 of the final written exam implies the need to revise the teaching and learning activity of the methods of solution for the double and triple integral, by adding more exercises, assignments reports and quizzes.

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 2014 – 2015

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Prof.Dr. Aly Essawi
Signature:
Date: June 11, 2015

Annual Course Report
Academic year 2014-2015

A- Basic Information

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

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

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

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

4- Credit hours

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

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

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

7- External evaluator: Non

B- Statistical Information

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

36- Results:

	No.	%
Passed	348	87

Grading of successful students:		
Grade	No.	%
Excellent	76	18.9

Failed	64	13

Very Good	80	19.9
Good	108	26.87
Pass	84	20.8

3 – Contents

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Introduction to semiconductors	1		
➢ Classify different types of semiconductors	1		1
➢ Crystal structure and band structure of semiconductor	1	2	2
➢ Conduction in different types of semiconductor	2	2	2
➢ P-N junction	1	2	2
➢ Forward and revers biased and breakdown	2	2	
➢ Diode	1	2	2
➢ Zener diode	2	2	1
➢ Tunnel diode	2	2	1
➢ Solar cell	1		
➢ Application of diodes	3	2	1
➢ Schottky diode	2	2	1
➢ Tunnel diode	2	2	
➢ Bipolar junction transistor (BJT)	2	2	1
➢ Junction field effect transistor (JFET)	2	4	1
➢ Metal oxide semiconductor transistor(MOSFT)	3	2	
➢ Physical structre, basic configuration and I-V charactrstics	3	2	
➢ **Total hours**	**30**	**15**	**30**

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

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

2- Teaching and learning methods:

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

3- Student assessment:

Method of assessment	Points	%

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

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

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

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

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

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
(e) Add more experiments to physics Laboratory	may 2015	No action.

9- Action plan for academic year 2014 – 2015

Actions required	Completion date	Person responsible
1. adding more exercises, assignments reports and quizzes for Chapter 1- 5	June 2015	Prof. Dr L. I. Soliman

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

Annual Course Report

(Academic Year 2013-2014)

A- Basic Information

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

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

3- Year/Level of program: junior

4- Unit hours 2

Lectures 2hrs Tutorial -hrs Practical – hrs Total 2hrs

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

Course coordinator:

B- Statistical Information

	FALL
No. of students attending the course	**No.** 26 **100%**
No. of students completing the course	**No.** 26 **100%**

	FALL	
	No.	**%**
Passed	**26**	**100**
Failed	**0**	**0**

	FALL	
	No.	**%**
A+	9	34.615%
A	8	30.769%
A-	4	15.385%
B+	1	3.846%
B	1	3.846%
C	2	7.692%
D	1	3.846%

C- Professional Information

1- Course Teaching:

Topic	Lecture hours	Lecture
➢ Introduction	2	Ahmed Sarhan
➢ Feasibility study	-	
• Market study	2	
• Technical study	2	
• Financial & Economic study	2	
• Environmental study	2	
• Project management	-	
• Phases of a project & steps of managing a project	2	
• The project management body of knowledge	2	
• The roll of the project manager	2	

• Planning of a project	2	
• Developing a mission, vision , goals and objective for the project	2	
• Linear Programming	2	
• Transportation Problems	2	
• Assignment Problems (A project)	6	
Total hours	**30**	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:
Lectures: Classical lecturing using the white board
Practical training/ laboratory: none
Seminar/Workshop: Project
Class activity:

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

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

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

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

Members of examination committee
Role of external evaluator None

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

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

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

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

none

Course coordinator: Dr. Ahmed Sarhan
Signature:

Date: August 2014

Annual Course Report

(Academic Year 2013-2014)

A- Basic Information

1- Title and code: Principles of Automatic Control (ELC 310)

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

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

3- Year/Level of program: Junior

4- Unit hours 4

Lectures 3hrs Tutorial 1hrs Practical -2 hrs Total 4hrs

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

Ass. Prof. Dr. Magdy O. Tantawy

Course coordinator:

B- Statistical Information

	FALL	Spring
No. of students attending the course	**No. 24 100%**	**No. 1 100%**
No. of students completing the course	**No. 23 95.8%**	**No. 0 0%**

	FALL		Spring	
	No.	**%**	**No.**	**%**
Passed	**23**	**95.8**	**1**	**0**
Failed	**1**	**4.167**	**1**	**100**

	FALL		Spring	
	No.	**%**	**No.**	**%**
A	4	16.667		
B+	2	8.333		
B	1	4.167		
C+	1	4.167		
C	3	12.5		
D+	3	12.5		
D	4	16.667		
D-	5	20.833		
F	1	4.167	1	100

C- Professional Information

1- Course Teaching:

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

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: yes

Seminar/Workshop:

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee

Role of external evaluator None

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

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

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

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

Condensing the exercise of last parts of course

Course coordinator: Ass. Prof. Dr. Magdy O. Tantawy
Signature:

Date: August 2014

Annual Course Report

(Academic Year 2013-2014)

A- Basic Information

1- Title and code: Microelectronics Circuits-1 (ELC 312)

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

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

3- Year/Level of program: Junior

4- Unit hours 3

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

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

Prof. Dr. Hany Tawfik

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No. 11 100%**
No. of students completing the course	**No. 10 90.909%**

	Spring	
	No.	**%**
Passed	**10**	**90.909**
Failed	**1**	**9.091**

	Spring	
	No.	**%**
A+		
A		
A-	1	9.091
B+	2	18.182
B		
C+	1	9.091
C	2	18.182
D+		
D	3	27.273
D-	1	9.091
F	1	9.091

C- Professional Information

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:
Lectures: Classical lecturing using the white board ,data show
Practical training/ laboratory: yes
Seminar/Workshop:
Class activity:
A monthly discussion of what is given in the previous weeks.

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

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

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

Members of examination committee
Role of external evaluator None

4- Facilities and teaching materials: **Dictionaries, Tape recorders….etc**
Totally adequate **.Yes.**
Adequate to some extent ……
Inadequate ……
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

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

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

Course coordinator: Prof. Dr. Hany Tawfik
Signature:

Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

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

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

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

3- Year/Level of program: Junior

4- Unit hours 2

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

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

Dr. Abdelmenam Foda

Course coordinator:

B- Statistical Information

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

	FALL	
	No.	**%**
Passed	**165**	**96.5**
Failed	**6**	**3.5**

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

C- Professional Information

1- Course Teaching:

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

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory: yes

Seminar/Workshop: Project was delivered

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee

Role of external evaluator None

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

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

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

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan: increasing the function programs and Simulink

Action State whether or not completed and give reasons for any none-completion tacking the sections at lab also for increasing practical hours but the available labs was insufficient

9- Action plan for academic year 2015 – 2016

Condensing the exercise of last parts of course
If there available labs it will be better to takes the sections on lab or using data show for sections
Course coordinator: Dr. Abdelmenam Foda

Signature:

Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

1- Title and code: Mathematics-5 (Introduction to Probability and Statistics)(MTH 305)

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 Junior

4- Unit hours 2

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

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

Dr. Osama El-Gayar

Course coordinator:

B- Statistical Information

	FALL	Spring
No. of students attending the course	**No.** 26 **100%**	**No.** 1 **100%**
No. of students completing the course	**No.** 25 **96.2%**	**No.** 1 **100%**

	FALL		Spring	
	No.	**%**	**No.**	**%**
Passed	**25**	**96.2**	**1**	**100**
Failed	**1**	**3.8**	**0**	**0**

	FALL		Spring	
Grade	**No.**	**%**	**No.**	**%**
A+	2	7.692		
A	2	7.692		
A-	5	19.231		
B+	3	11.538		
B	2	7.692		
C+	2	7.692		
C	3	11.538		
D+	3	11.538		
D	3	11.538		
D-			1	100
F	1	3.846		

C- Professional Information

1- Course Teaching:

Topic	Lecture	
Functions, curve equation relationship.	2	Dr. Osama El-Gayar
Set theory, Random events, and probability functions.	2	
Mathematical expectation, conditional probability.	2	
Binomial distribution, normal distribution.	2	
Sampling and the central limit theorem.	2	
Estimation, hypothesis testing.	1	
Regression and correlation.	2	
Chi-square analysis and analysis of variance.	2	
Total hours	**15**	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,

Practical training/ laboratory: yes

Seminar/Workshop: none

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee

Role of external evaluator None

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

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

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

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Course enhancement:

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

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

9- Action plan for academic year 2015 – 2016

Course coordinator: Dr. Osama El-Gayar
Signature:
Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

1- Title and code Signal Analysis (ELC315):

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

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

3- Year/Level of program: junior

4- Unit hours 2

Lectures 2hrs Tutorial 2hrs Practical 0 hrs Total 3hrs

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

Dr. Nelly Shafek

Course coordinator:

B- Statistical Information

	FALL	Spring
No. of students attending the course	**No.** 25 **100%**	**No.** 10 **100%**
No. of students completing the course	**No.** 19 **76%**	**No.** 6 **60%**

	FALL		Spring	
	No.	**%**	**No.**	**%**
Passed	**19**	**76**	**6**	**60**
Failed	**6**	**24**	**4**	**40**

	FALL		Spring	
	No.	**%**	**No.**	**%**
A+	1	4		
A	1	4		
A-				
B+	1	4		
B	3	12		
C+	1	4		
C	5	20	1	10
D+	1	4	2	20

D	1	4	1	10
D-	5	20	2	20
F	6	24	4	40

C- Professional Information

1- Course Teaching:

Topic	Lecture	
1- Introduction to Signals, Classification of signals and Signal Operators.	٤	Dr Nelly Shafek.
2- Signal Comparison- Correlation..	٢	
3- Signal Representation by orthogonal signal set – Fourier series.	٢	
4- Analysis and Transmission of Signals.	٤	
5- A periodic Signal representation by Fourier Integral.	٤	
6- Transforms of same useful function and properties of Fourier Transform.	٢	
7- Signal transmission through linear system and signal distortion over spectral channel	٤	
8-Energy and power spectral densities. - Random processes.	٢	
9- Probability – Random variables – Statistical averages.	٢	
10- Mean – Correlation and Covariance function.	٢	
11-Transmission of Random process through linear filter.	٢	
12- Optimum Receiver – Mate fed filter receiver and correlation receiver.	٢	
Total hours	**30**	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory: yes

Seminar/Workshop:

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

Role of external evaluator None

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

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

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

7- Comments from external evaluator(s):

External evaluator:

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

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

Course coordinator: Dr Nelly Shafek.

Signature:

Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

1- Title and code: Seminar-1(CMP 361)

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

3- Year/Level of program: Junior

4- Unit hours 1
Lectures hrs Tutorial 1hrs Practical -2 hrs Total 1hrs

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

Course coordinator:

B- Statistical Information

	FALL	Spring
Spri	**No.** 20 **100%**	**No.** 6 **100%**
No. of students completing the course	**No.** 20 **100%**	**No.** 6 **100%**

	FALL		Spring	
	No.	**%**	**No.**	**%**
Passed	**20**	**100**	**6**	**100**
Failed	**0**	**0**	**0**	**0**

	FALL		Spring	
	No.	**%**	**No.**	**%**
A+	4	20	2	33.3
A	10	50	3	50
A-	1	5	1	16.67
B+	1	5		
B	4	20		
C+				
C				
D+				
D				
D-				
F				

C- Professional Information

1- Course Teaching:

Topic	Lecture	
The course consists of a number of that concerned with the up-to-date of technology and its impact to society. It covers the following fields: • The definition and evaluation of technology. • Solving problems using up-to-date technology. • Designing new system applications using modern technology. • Modification for conventional systems.		Prof. Dr. Said Gawish
Total hours		

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory: yes

Seminar/Workshop: Project was delivered

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination 60 %

Practical examination 20 %

Other assignments/class work 10 %

Mid-Term Exam	10 %
Total	**100 %**

Members of examination committee
Role of external evaluator None

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

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

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

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

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016
Introducing a new topics of technology that is considered by industry
Course coordinator: Prof. Dr. Said Gawish

Signature:

Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

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

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

3- Year/Level of program: Junior

4- Unit hours 2
Lectures 2hrs Tutorial 2hrs Practical – hrs Total 3hrs

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

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.** 23 **100%**
No. of students completing the course	**No.** 18 **78.3%**

	Spring	
	No.	**%**
Passed	**18**	**78.3**
Failed	**5**	**21.7**

Spring		
Grade	No.	%
A+	1	4.35%
A-	1	4.35%
B+	3	13.04%
C+	3	13.04%
C	2	8.70%
D+	2	8.70%
D	4	17.39%
D-	2	8.69%
F	5	21.74%

C- Professional Information

1- Course Teaching:

Topic	Lecture hours	Lecture
➢ Basic Structure of computers	2	Dr Seham Ebrahim
➢ Addressing Modes	4	
➢ Arithmetic and logic units	4	
➢ Memory unit	4	
➢ Secondary storage	4	
➢ Computer Architecture.	4	
➢ Operating system support	4	
➢ Programming the basic computer	3	
➢ Seminars	1	
Total hours	30	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory: none

Seminar/Workshop: yes

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination 70 %

Practical examination 0 %

Other assignments/class work 20 %

Mid-Term Exam	10 %
Total	**100 %**

Members of examination committee
Role of external evaluator None

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

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

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

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

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

8- Course enhancement:

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

9- Action plan for academic year 2015 – 2016

Condensing the exercise of all parts of course
Increasing the time before the exam as the course includes number of parts
Course coordinator: Dr. Seham Ebrahim

Signature:

Date: August 2014

Annual Course Report

(Academic Year 2013-2014)

A- Basic Information

1- Title and code: Communications-1(ELC 311)

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

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

3- Year/Level of program: junior

4- Unit hours 2

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

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

Dr. Nelly Shafek

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.** 18 **100%**
No. of students completing the course	**No.** 15 **83.33%**

	Spring	
	No.	**%**
Passed	**18**	**83.33**
Failed	**3**	**16,67**

	Spring	
	No.	**%**
A+		
A	2	11,111
A-	3	16.667
B+	3	16.667
B		
C+	4	22.22
C	1	5.556

D+	1	5.556
D		
D-	1	5.556
F	3	16.667

C- Professional Information

1- Course Teaching:

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

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory: yes

Seminar/Workshop: Project was delivered

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: **Response of course team**

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

- The match between the examination and the topics taught.
- The existence of grading criteria in examination sheets
- The allocation and distribution of marks and weighting

- Effectiveness of the overall assessments in measuring the achievement of the intended learning outcomes (ILOs).

8- Course enhancement:

Progress on actions identified in the previous year's action plan
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

Course coordinator: Dr. Nelly Shafek

Signature:

Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

1- Title and code: Electronic Measurements (ELC314)

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

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

3- Year/Level of program: Junior

4- Unit hours 2

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

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

Prof. Dr. Hany Tawfik

Course coordinator:

B- Statistical Information

	FALL
No. of students attending the course	**No.** 22 **100%**
No. of students completing the course	**No.** 20 **91%**

	Spring	
	No.	**%**
Passed	**20**	**91**
Failed	**2**	**9**

	Spring	
	No.	**%**
A+		
A		
A-	2	9.091
B+	4	18.182
B	4	18.182
C+	3	13.636
C	3	13.636
D+	2	9.091
D	1	4.545
D-	1	4.545

F	2	9.091

C- Professional Information

1- Course Teaching:

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

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory

Seminar/Workshop:

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee
Role of external evaluator None

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

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

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

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

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

8- Course enhancement:
Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

Course coordinator: Prof. Dr. Hany Tawfik
Signature:

Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

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

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

3- Year/Level of program: junior

4- Unit hours 2
Lectures hrs Tutorial 1hrs Practical -2 hrs Total 1hrs

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

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.20 100%**
No. of students completing the course	**No.20 100 %**

	Spring	
	No.	**%**
Passed	**20**	**100**
Failed	**0**	**0**

	Spring	
	No.	**%**
A+	3	15
A	6	30
A-	3	15
B+	3	15
B	1	5
C+	4	20
C		
D+		
D		

D-		
F		

C- Professional Information

1- Course Teaching:

Topic	Lecture	
The course consists of a number of that concerned with the up-to-date of technology and its impact to society. It covers the following fields:		Prof. Dr. Said Gawish
• The definition and evaluation of technology.		
Total hours	-	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,data show
Practical training/ laboratory: yes
Seminar/Workshop: Project was delivered
Class activity:

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

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

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

Written examination
Practical examination
Other assignments/class work 10 0%
Mid-Term Exam

Total **100 %**

Members of examination committee
Role of external evaluator None

4- Facilities and teaching materials: **Dictionaries, Tape recorders….etc**
Totally adequate **.Yes.**
Adequate to some extent **……**
Inadequate **……**
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

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

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

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

8- Course enhancement:

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

9- Action plan for academic year 2015 – 2016
Introducing modern technology and practical Problems in different ways
Course coordinator: Prof. Dr. Said Gawish
Signature:

Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

1- Title and code: Microelectronics Circuits-2 (ELC 313)

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

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

3- Year/Level of program: Junior

4- Unit hours 3

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

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

Prof. Dr. Hany Tawfik

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No. 22 100%**
No. of students completing the course	**No. 18 81.818%**

	Spring	
	No.	**%**
Passed	**18**	**81.818**
Failed	**4**	**18.182**

	Spring	
	No.	**%**
A+	2	9.091
A	2	9.091
A-		
B+	2	9.091
B		

C+	2	9.091
C	1	4.545
D+	1	4.545
D	5	22.727
D-		
F	4	18.182

C- Professional Information

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,data show

Practical training/ laboratory: yes

Seminar/Workshop:

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent ……

Inadequate ……

List any inadequacies

None

5- Administrative constraints
List any difficulties encountered

- None

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

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

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

8- Course enhancement:

Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

Course coordinator: Prof. Dr. Hany Tawfik
Signature:

Date: August 2014

Annual Course Report

(Academic Year 2014-2015)

A- Basic Information

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

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 Junior

4- Unit hours 2

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

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

Dr. Ghada Salem

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.** 26 **100%**
No. of students completing the course	**No.** 20 **100%**

	Spring	
	No.	**%**
Passed	**20**	**76.923**
Failed	**6**	**23.077**

	Spring	
Grade	**No.**	**%**
A+		
A		
A-	1	3.846
B+	1	3.846
B	2	7.692
C+	5	19.231
C	1	3.846
D+	4	15.385
D	4	15.385
D-	2	7.692
F	6	23.077

C- Professional Information

1- Course Teaching:

Topic	Lecture	
Complex numbers, arithmetic operations, polar forms	1	Dr. Ghada Salem
D'Moiver theorem, complex functions. Analytic function	1	
Elementary functions of complex variables	1	
Mapping, and conformal mapping.	1	
Bilinear transformation, complex integrals.	1	
Power series (Taylor and Laurent series).	1	
Integration by method of residues.	1	
Introduction to PDEs, Basic concepts of PDEs	1	
Classifications and conical forms of 2nd order linear PDEs.	1	
Method of separation of variables for heat equation.	2	
Wave and Laplace equations. D'Alembert solution of wave equation.	2	
Solution of PDEs using Laplace transforms.	2	
Total hours	**15**	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board ,

Practical training/ laboratory: yes

Seminar/Workshop: none

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

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

Members of examination committee
Role of external evaluator None

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

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered
- None

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

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

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

8- Course enhancement:
Progress on actions identified in the previous year's action plan
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

Course coordinator: Dr. Ghada Salem

Signature:
Date: August 2014

Annual Course Report
(Academic Year 2014-2015)

A- Basic Information

1- Title and code Management, International Business, and Total Quality Management (GEN 353)

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

3- Year/Level of program: junior
4- Unit hours 2
Lectures 2hrs Tutorial -hrs Practical - hrs Total 2hrs

5- Names of lecturers contributing to the delivery of the course
Dr.MarwaShoeib

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.** 27 **100%**
No. of students completing the course	**No.** 25 **100%**

	Spring	
	No.	**%**
Passed	**25**	**92.593**
Failed	**2**	**7.407**

	Spring	
	No.	**%**
A+	1	3.704
A	2	7.407
A-	2	7.407
B+	3	11.111
B	4	14.815
C+	5	18.519
C	3	11.111
D+	3	11.111

D	2	7.407
F	2	7.407

C- Professional Information

1- Course Teaching:

Topic	Lecture hours	Lecture
مفهوم الإدارة والتخطيط .	4	Dr.MarwaShoeib
صياغة واتخاذ القرارات الإداريه .	4	
التنظيم الإدارى وبناء الهياكل التنظيمية.	6	
التوجيه والقياده والرقابه .	8	
مدخل إلى إدارة الأعمال الدولية وإدارة الجوده الشامله .	8	
Total hours	**30**	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: none
Seminar/Workshop: Project
Class activity:

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

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

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

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

Members of examination committee

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course: **Response of course team**

List any criticisms

None None

7- Comments from external evaluator(s):

External evaluator:

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

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8- Course enhancement:

Progress on actions identified in the previous year's action plan:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2015 – 2016

none
Course coordinator: Dr.MarwaShoeib
Signature:
Date: August 2014