COMPUTER ENGINEERING AND INFORMATION TECHNOLOGY B.SC.

ANNUAL PROGRAM REPORT

2016-2017-Law 2012

Contents

Program Report

November 2017

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. No. of student Starting the program at 2014-2015:60
3. No. of student Starting the program at 2015-2016: 70
4. No. of Student Starting the program at 2016-2017:75
5. The first Students will be graduated in 2016-2017: 25

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.	A2, A7, A14	B9, B16		D3, D8
ELC 211	Electrical Circuit Analysis-1	A1, A2, A3, A4, A5, A6	B1, B2, B3, B4, B5, B6, B7		D1, D2, D3, 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, A11, A12	B14		D1, D2, D3, D5, D7
CMP 210	Data Structures and Algorithms.	A1,A2,A3,A4,A5,A9 ,A12,A16,A18	B1,B2,B4,B8,B1 2,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		D1, D2, D3, D7, D9
ELC 213	Electrical Measurements.	A1, A4, A14,A15	B1,B3,B5,B6,B7 ,B9,B10,B11,B1 3,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		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,A 13,A16	B1,B2,B3,B5,B7, B13,B14,B17,B1 8	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		D3,D6,D7,D9
CMP 361	Seminar-1	A1,A3,A5,A8,A9,A1 1,A15,A16	B1,B2,B5,B10,B1 3,B14,B17	C1,C2,C5,C6C 9,C10,C11,C1 2,C14,C15,C1 6	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,B 17	C1,C2,C3,C4, C6,C13,C14,C 15	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,C1 8	D2,D3,D6,D7, D8
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		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,B 12,B13,B17	C1,C2,C5,C7, C8,C9,C10,C1 1,C13,C14,C1 6	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,B12,B15,B17	C1,C4,C13	D1,D3,D4,D7,D9
CMP 410	Microprocessor Based Systems.	A4,A5,A9,A14,A15,A16,A18	B1,B2,B3,B4,B5,B6,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,A8,A11,A13,A14,A15,A16	B1,B2,B3,B6,B9,B11	C1,C2,C4,C5,C8	D2,D3,D6,D7,D8
CMP 435	Operating Systems (Elective #1)	A1,A2,A4,A15,A17,A18	B1,B2,B3,B4,B5,B7,B16,B17,B18	C1,C2,C3,C5,C8,C19	D1,D2,D3,D4,D7,D8,D9
GEN 352	Engineering Laws and Regulations	A5,A6,A9,A10,A11	B3,B4,B9,B12		D1,D3,D7,D9
CMP 422	Computer Graphics and Man Machine Interface	A1,A2,A4,A5,A8,A12,A15,A16	B1,B2,B3,B7,B8,B10,B13	C1,C2,C3,C4,C5,C6,C7,C11,C13,C15	D1,D3,D4,D6,D7,D8,D9
CMP 426	Logic Design -2.	A1,A2,A3,A4,A5,A9,A14	B1,B3,B4,B6,B7,B8,B12,B14,B17	C1,C2,C3,C4,C5,C6	D1,D2,D3,D4,D5,D6,D7,D9
CMP 424	Data Transmission and Computer Networks.	A1,A2,A3,A4,A5,A6,A8,A12,A15,A17,A18,A19,A20	B1,B4,B5,B14,B17,B21	C1,C2,C3,C5,C6,C10,C11,C19	D1,D3,D4,D5,D6,D7,D9
CMP 425	Information Systems.	A1,A2,A3,A4,A7,A8,A9,A12,A18,A19,A20	B1,B2,B3,B4,B12,B14,B18,B19,B20,B22,B23	C1,C2,C3,C4,C5,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,B9,B10,B11,B12,B13,B15	C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15	D1,D3,D7,D9
CMP 436	Software Engineering (Elective # 2)	A1,A3,A4,A6,A7,A8,A12,A13,A15,A18	B1,B2,B4,B5,B7,B9,B14,B17	C1,C2,C3,C4,C6,C9,C10,C11,C12,C13,C14	D1,D3,D4,D6,D7,D9
CMP 564	Industrial Training-2	A7,A9,A10,A11,A13,A14,A15,A20	B1,B2,B3,B4,B6,B7,B8,B10,B11,B12,B13,B14,B17	C1,C2,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C16	D1,D2,D3,D4,D5,D6,D7,D8,D9

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 538	Pattern Recognition and Neural Network	A1,A2,A3,A4,A5, A11,A12.A13 ,A15,A17	B1,B2,B3,B4,B5, B7,B8,B11,B13, B14,B15	C1,C2,C5,C6, C7,C14, ,C15	D1,D3,D4,D5 ,D7,D9
GEN 242	Technical Report Writing	A 4, A10, A11	B4		D6,D8
CMP 521	Distributed Computer Systems	A2,A3,A5,A8,A11 ,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

Year	Term	Code	Title
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 538	(Pattern Recognition and Neural 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 Statistics)	2	1	3	-	MTH 102		2					
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				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 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 538	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)

All the courses of credit hours all prepared. Also the required books and labs.

New logic and network lab

Increasing number of data show for the department.

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.

Introducing project to some courses as Information system, Logic2 and Data Base to apply the theoretical Theories to the real problems which is facing the graduated student in practical life.

The summer training at first year overcome the shortage of web development programming as they learn the bases of HTML -CSS- Java.

Alternating the elective course to be more related to updates. As computer organization is replaced with Pattern and Neural. As the applied application is more related to this course.

C. Staff development requirements

The staff development is related to the new joined members so to prepare them. they have to attend the Lecture with the course coordinator. Also the course coordinator has some sections and labs to attend and follow the assistance in their teaching. This made the Doctors closer to the updated difficulties in the course and the student. As a result, the development of the course becomes more easier and faster.

4. Progress of previous year's action plan

Microprocessor Lab is improved by upgrading the included computers. The training stuff is completed. The industrial training books is updated according the feedback from the previous training results and student questionnaires'. All of the computer labs were supplied by 60 upgraded computer devices. There is a new list of books, bought to academy's library. Adding a number of stuff member to satisfy the credit program. Training the assistance of computer department with new training courses as Web Development, data base design, and java programming. Development a new lab for cisco (cisco academy) that enables us to train our student and the society around us.

5. Action plan

1. 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
2. Introducing new labs as network to achieve the requirements of the credit hour courses and the development of computer engineering technology
3. Arranging invitations for Industrial training companies for the summer training course
4. Making a plan of training the stuff of Department that taking part of training term
5. Completing cisco lab.

Program Coordinator: Prof. Dr. said Gawish

Signature:

APPENDIX 1

ANNUAL COURSE REPORTS

2016-2017

Zero Level

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

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (CHE100) Chemistry

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

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

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

4- Credit hours

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

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

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

7- External evaluator: Non

B- Statistical Information

1- No. of students attending the course:	**No.**	**1250**	**100**	**%**
2- No. of students completing the course:	**No.**	**1250**	**100**	**%**

3- Results:

	No.	%
Passed	1122	89.76
Failed	122	10.24

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

C- Professional Information

1 – Course teaching

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

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

10- Action plan for academic year 2017 – 2018

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

Course coordinator: Prof. Dr Shaban Rageb
Signature:
Date: September 2017

Annual Course Report
Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (MNF 101) Engineering Graphics

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 1 hrs Tutorial 1 hrs Practical 6hr

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

6- Course coordinator: Prof. Mamdouh Saber

7- External evaluator: Non

B- Statistical Information

4- No. of students attending the course:	**No.**	**1134**	**100 %**
5- No. of students completing the course:	**No.**	**781**	**69 %**

6- Results:

	No.	%
Passed	781	69
Failed	353	31

Grading of successful students:		
Grade	No.	%
Excellent	49	4
Very Good	94	8
Good	167	15
Pass	471	42

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
Drawing instruments , Draw sheets ; Scales; Folding Lettering	1	6	Prof. Mamdouh Saber
Geometric Construction	1	6	
Alphabet of lines	1	6	
Theory of orthographic projection: Projection of point ; line and plane Projection of geometric solids	1	6	
Multi view drawing (of Vertical and Horizontal Surfaces)	1	6	
Multi view drawing (of inclined Surfaces)	1	6	
Multi view drawing (of cylindrical Surfaces)	1	6	

Pictorial drawing (isometric) , Pictorial drawing (oblique)	1	6	
Isometric drawing (of Vertical, Horizontal & inclined Surfaces)	1	6	
Isometric drawing (of cylindrical Surfaces)	1	6	
Conventional practice in ED	1	6	
Importance of drawing sections ; Basic types of sections: Full sections : longitudinal ,cross – section	1	6	
Off set ; Aligned sections ; Half-section ;Partial S.; Revolved & Auxiliary sections.	1	6	
Dimensioning – Arrangements of dimensions – Rules for dimensions of circles ; radii ; angles ; plain holes	1	6	
Revision	1	6	
Total hours	**15**	**90**	

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 a7	b1 to b6	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	70	70
Oral examination	Non	0
Practical/laboratory work	20	20
Other assignments/class work	-	-
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Prof. Dr. Prof. Mamdouh Saber
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	

Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
(b) 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
	December 2015	Prof. Mamdouh Saber

Course coordinator: Prof. Dr Shaban Rageb
Signature:
Date: September 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

B- Statistical Information

7- No. of students attending the course:	**No.**	**1335**	**100**	**%**
8- No. of students completing the course:	**No.**	**1335**	**100**	**%**

9- Results:

	No.	%
Passed	1262	94.53
Failed	73	5.47

Grading of successful students:		
Grade	No.	%
Excellent	416	31.16
Very Good	211	15.81
Good	231	١٧.٣
Pass	404	٣٠.٢٦

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):

	Comment	Response of course team

(a)	Non	Non

8- Written Exam Evaluation

9- Course enhancement:

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

9- Action plan for academic year 2017– 2018

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

Course coordinator: Prof. Dr. شيماء نبيه
Signature:
Date: Sep. 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

3- Year/Level of program: First year

4- Credit hours

Credit 2 hrs Lectures 2 hrs Tutorial - Practical -

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

6- Course coordinator: Dr مروه فؤاد

7- External evaluator: Non

B- Statistical Information

10- No. of students attending the course:	**No.**	**1052**	**100**	**%**
11- No. of students completing the course:	**No.**	**1042**	**99.05**	**%**

12- Results:

	No.	%
Passed	932	89.44
Failed	110	10.56

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

C- Professional Information

1 – Course teaching

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

Total hours			

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

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

2- Teaching and learning methods:

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

3- Student assessment:

Method of assessment	Points	%
Written examination	70	70
Oral examination	١٥	١٥
Practical/laboratory work	Non	0
Other assignments/class work	١٥	١٥
Mid-Term Exam	Non	0
Total	100	100

Members of examination committee: : Dr. مروه فؤاد - Dr.شيماء شريف
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	Non

8- Written Exam Evaluation

9- Course enhancement:

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

9- Action plan for academic year 201٦– 201٧

Actions required	Completion date	Person responsible
Non	January 201٧	Dr.مروه فؤاد

Course coordinator: Dr.مروه فؤاد

Signature:

Date: September 1, 201٧

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

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

4- Credit hours

Lectures: 2 hrs Tutorial 1 hrs Practical

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

6- Course coordinator: Dr.Moamen Wafaie

7- External evaluator: Non

B- Statistical Information

13- No. of students attending the course:	**No.**	**1395**	**100**	**%**
14- No. of students completing the course:	**No.**	**1324**	**94.91**	**%**

15- Results:

	No.	%
Passed	973	73.5
Failed	351	26.5

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

C- Professional Information

1 – Course teaching

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

8	Equivalent system – Resultants of a force and couple sys	2	2	
9	Support reaction in plane	2	2	
10	Support reaction in space	2	2	
11	Trusses	4	4	
	Total hours	30	**30**	

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr. Moamen Wafaie
Signature:
Date: September 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2017-2018

A- Basic Information

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

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

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

4- Credit hours

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

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

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

7- External evaluator: Non

B- Statistical Information

16- No. of students attending the course:	**No.**	**993**	**100 %**
17- No. of students completing the course:	**No.**	**784**	**78.9 %**

18- Results:

	No.	%
Passed	784	78.9
Failed	209	21.04

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

C- Professional Information

1 – Course teaching

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

• Thermodynamics and the Kinetic Theory of Gases.	6	8	
• Simple Harmonic Motion.	4	0	
• Wave Motion and Energy Transmitted by Sinusoidal Waves.	6	0	
• Sound waves and Doppler's Effect.	6	0	
Total hours	54	46	

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Prof. Dr El-Tawab Kamal
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

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

9- Action plan for academic year 2017 – 2018

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,	December 2018	All group members and course instructors

magazines, news letters etc., and other international collaborations.		

Course coordinator: Prof. Dr El-Tawab Kamal
Signature:
Date: Jan 20, 2018

Annual Course Report
Academic year 2016-2017

A- Basic Information

1- Course Code & Title: (MNF 100) Introduction to Engineering Materials

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 1 hrs Lectures 1 hrs Tutorial hrs Practical -hr

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

6- Course coordinator: Dr.Abdelrady Okasha

7- External evaluator: Non

B- Statistical Information

19- No. of students attending the course:	**No.**	**1042**	**100**	**%**
20- No. of students completing the course:	**No.**	**955**	**91.7**	**%**

21 22- 23- Results:

	No.	%
Passed	955	91.7
Failed	87	8.3

	Grading of successful students:Fall		Spring	
Grade	No.	%	No.	%
A	251	46	117	24
B	122	22	126	25
C	74	14	102	21
D	65	12	98	20

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
1- Introduction • Types of engineering materials	1		Dr.Abdelrady Okasha
•			
• Properties of materials, material testing principles 2- Ferrous alloys and their properties 2-1 Steel; types and uses	3		

2-2 Cast iron; types and uses 3- Non-ferrous alloys and their properties 3-1 Copper and its alloys 3-2 Aluminum and its alloys	8		
Total hours	**15**		

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 a5	b1 to b4	-	d1 to d4

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	70	70
Oral examination	Non	0
Practical/laboratory work	20	20
Other assignments/class work	-	-
Mid-Term Exam	10	10
Total	100	100

Members of examination committee: Dr.Abdelrady Okasha
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment

9- Action plan for academic year 2015– 2016

Actions required	Completion date	Person responsible
	December 2017	Prof. Mamdouh Saber

Course coordinator: Dr. Abdelrady Okasha
Signature:
Date: September 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

4- Credit hours

Credit 2 hrs Lectures 2 hrs Tutorial Practical

5- Course coordinator: Dr. Neveen Samir

6- External evaluator: None

B- Statistical Information

24- No. of students attending the course:	**No.**	**1048**	**100 %**
25- No. of students completing the course:	**No.**	**980**	**93.5 %**

26- Results:

	No.	%
Passed	898	91.63
Failed	82	8.36

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

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
➢ **Computer Hackers**	2	2	Dr. Neveen Samir
➢ **At the Doctor's** ➢ Reviewing tenses ➢ Reading ➢ Speaking: role play ➢ Assignment: Write 5 lines giving advice on how to improve your English/study skills/social life.	2	2	

➢ **At the Doctor's**(to be continued) ➢ Grammar: perfect tenses& prefixes ➢ Speaking: role play ➢ Assignment: Write a letter to your friend advising him/ her about healthy habits.&pp.	2	2	
➢ **Global Warming** ➢ Reading Speaking : English communication skills ➢ Suffixes & adj.&adv. ➢ Peer editing	2	2	
Computer Addiction Reading: 53-55 Seaking: discussing the topic Grammar: adjectives Assignment:	2	2	
Earthquake Reading: 59-61 Grammar: Suffixes Speaking: role play Assignment:	2	2	
Words and their Stories Reading Grammar: wh-questions and negatives Speaking: practice making questions Assignment:	2	2	
Revision **7th week Exam**	2	2	
Describing People &Things **Reading :** **Grammar:** adj.& adv. Speaking : English communication skills **Assignment**: Write a paragraph on the advantages and disadvantages of the internet.	2	2	
Describing People &Things (to be contiued) **Reading :** **Grammar : relative clauses** Speaking : English communication skills	2	2	
Qualities and Flaws Speak**:** dicussing qualities and flaws of each one (pair work **Grammar:** Possession Pronouns+ Adjectives **Assignment**: internet research	2	2	
Qualities and Flaws (to be continued) **List. & Speak:** dicussing the topic Speaking : English communication skills **Grammar:** Comparative & superlative **Assignment**: peer editing	2	2	

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

Topics taught as a percentage of the content specified: >90 %
Reasons in detail for not teaching any topic:
None
If any topics were taught which are not specified, give reasons in detail:
None
Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Dr. Neveen Samir
Role of external evaluator: None

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: None

5- Administrative constraints (List any difficulties encountered)

- None

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	None	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr Neveen
Signature:
Date: September 1, 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

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

4- Credit hours

Lectures: 2 hrs Tutorial 2 hrs Practical

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

6- Course coordinator: Dr.Moamen Wafaie

7- External evaluator: Non

B- Statistical Information

27- No. of students attending the course:	**No.**	**1160**	**100**	**%**
28- No. of students completing the course:	**No.**	**1135**	**97.8**	**%**

29- Results:

	No.	%
Passed	992	87.4
Failed	143	12.6

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

C- Professional Information

1 – Course teaching

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

10	Kinetics of Particles Energy and Momentum Methods	3	3	
11	Motion under a conservative centeral force.	4	4	
	Total hours	**30**	**30**	

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

Members of examination committee: Dr.Moamen Wafaie and Dr. Shymai lotfy
Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

List any criticisms	Response of course team

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr.Moamen Wafaie
Signature:
Date: September 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

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

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 2 hrs Practical

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

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

7- External evaluator: Non

B- Statistical Information

30- No. of students attending the course:	**No.**	**1211**	**100 %**
31- No. of students completing the course:	**No.**	**1183**	**97.7 %**

32- Results:

	No.	%
Passed	1068	90.28
Failed	115	9.72

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

C- Professional Information

1 – Course teaching

	Topic	Lecture hours	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 80 %
Reasons in detail for not teaching any topic: Non
If any topics were taught which are not specified, give reasons in detail: Non
Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

-

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
Non	Non	Non

9- Action plan for academic year 2017 – 2018

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

Course coordinator: Dr. Sabry Abd El-Aziz
Signature:
Date: September, 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

Manufacturing Engineering and Production Technology BSc Program

Electronic Engineering and Communication Technology BSc Program

Computer Engineering and Information Technology BSc Program

Architecture Engineering and Building Technology BSc Program

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

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

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

6- Course coordinator: Dr. Sabry Abd El Aziz

7- External evaluator: Non

B- Statistical Information

33- No. of students attending the course:	**No.**	**1251**	**100 %**
34- No. of students completing the course:	**No.**	**1209**	**96.6 %**

35- Results:

	No.	%
Passed	1020	84.37
Failed	189	15.63

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

C- Professional Information

1 – Course teaching

	Topic	Lecture hours	Actual hours	Tutorial hours
1	Anti-derivative, indefinite integral	2	2	2
2	Definite integrals and the fundamental 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 80 %
Reasons in detail for not teaching any topic: Non
If any topics were taught which are not specified, give reasons in detail: Non
Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

-

9- Action plan for academic year 2017 – 2018

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

Course coordinator: Dr Sabry Abd El Aziz
Signature:
Date: September, 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

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
Dr. Ghada Maher
Dr. Shaima Sherif

6- Course coordinator: Dr. El-Tawab Kamal

7- External evaluator: Non

B- Statistical Information

36- No. of students attending the course:	**No.**	**855**	**100**	**%**
37- No. of students completing the course:	**No.**	**738**	**86.32**	**%**

38- Results:

	No.	%
Passed	738	85.32
Failed	117	13.68

Grading of successful students:		
Grade	No.	%
Excellent	64	7.49
Very Good	205	23.98
Good	186	21.75
Pass	283	33.10

C- Professional Information

1 – Course teaching

Topic	Total hours	

	Plan.	Actual	Lecturer
• 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 , Dr. Nagat A. Elmahdy, Dr. Ghada Maher and Dr. Shaima Sherif

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

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

9- Action plan for academic year 2017 – 2018

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 2017

Annual Course Report
Academic year: 2015 - 2016

A- Basic Information

1- Course Code & Title: (MNF102) Principles of Production Engineering
2- Program(s) on which this course is given: Manufacturing Eng. & Prod. Tech. BSc Prog.
3- Year/Level of program: Fresh
4- Credit hours
Credit 3 hrs Lectures 2 hrs Tutorial hrs Practical 4hr
5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Ahmed Kohail
Dr. Maher Khalifa
6- Course coordinator: Dr. Maher Khalifa
7- External evaluator: Non

B- Statistical Information

1- No. of students attending the course:	**No.**	**597**	**100 %**
2- No. of students completing the course:	**No.**	**467**	**78 %**

3- Results:

	No.	%
Passed	467	78
Failed	130	22

Grading of successful students:		
Grade	No.	%
A	61	10
B	105	18
C	119	20
D	136	30

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
Role of production engineering, production system objective, types of industries, classification of manufacturing processes	2		
Properties of materials and testing principles	2		4
Sand casting, melting of metal & furnaces. Solidification, pattern allowances, sand molding & gating system. Die casting, centrifugal & investment casting.	2		8
Types of welding, oxy- acetylene welding, electric- arc welding, submerged arc welding, MIG, TIG, resistance welding, soldering & brazing	2		8
Hot & cold forming, rolling, extrusion, wire drawing & sheet metal forming	3		10
Metal cutting processes (Turning, milling, shaping grinding and drilling)	4		30
Total hours	**15**		**60**

Topics taught as a percentage of the content specified:
>90 % [100] **70-90 %** [ ] **<70%** [….]
Reasons in detail for not teaching any topic None
If any topics were taught which are not specified, give reasons in detail
None, all of the missed teaching hours were substituted

2- Teaching and learning methods:

Lecture: bi-weekly Lecture
Practical training/ laboratory: weekly Practical Training
Seminar/Workshop:
Class activity:
Case Study:
Other assignments/homework: assignments
If teaching and learning methods were used other than those specified, list and give reasons:
Non

3- Student assessment:

Method of assessment	Points	%
Written examination	60	60
Oral examination	0	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. Ahmed Kohail & Dr. Maher Khalifa
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

6- Student evaluation of the course: **58%**
Response of course team **Non**
List any criticisms **Non**

7- Comments from external evaluator(s):
Response of course team **Non**

8- Course enhancement:
Progress on actions identified in the previous year's action plan: No previous comments
Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
Non		

Course coordinator: Prof. Dr. Ahmad Kohail
Signature:
Date: 13/10/2017

Annual Course Report

(Academic year 2016-2017)

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	SPRING	SUMMER
No. of students attending the course	No. 555 100%	NO. 494 100%	No. 40 100%
No. of students completing the course	No. 464 84%	NO. 446 90.3	No. 32 80.%

	FALL		SPRING		Summer	
	No.	%	No.	%	No.	%
Passed	464	84	446	90.3	32	80
Failed	91	16	48	9.7	8	20

	FALL		Spring		Summer	
	No.	%	No.	%	No.	%
A+	22	4	65	13.1	1	2,5
A	49	9	52	10.5	-	-
A-	64	11.5	45	9.1	-	-
B+	60	11	41	8.3	-	-
B	57	10.2	54	11	1	2.5
C+	47	8	41	8.3	-	-
C	51	9	50	10.1	19	48
D+	44	8	38	7.7	5	12.5
D	22	4	26	5.2	4	10
D-	48	8,6	34	7	2	5
F	91	16.4	48	10	8	20

C- Professional Information

1- Course Teaching:

Topic	Lecture hours	Lecture
➢ Steps for solving programs by computer programs	2	Dr. EhabElshime
➢ 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:

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 2017 – 2018
Increasing exercises and number of application programs
Adding data show at each lab
Upgrading the computer of the labs

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

Course coordinator: Dr. EhabElshime
Signature:
Date: August 2017

First Level

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

Annual Course Report

Academic year 2016-2017

A- Basic Information

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

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

- Electronic Engineering and Communication Technology BSc Program

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

4- Credit hours

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

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

6- Course coordinator: Dr. Tamer Selim Yousif

7- External evaluator: Non

B- Statistical Information

No. of students attending the course:	**No.**	**384**	**100**	**%**
No. of students completing the course:	**No.**	**337**	**87.4**	**%**

Results:

	No.	%
Passed	337	87.4
Failed	47	12.6

Grading of successful students:		
Grade	No.	%
Excellent	90	23.4
Very Good	72	19
Good	82	21
Pass	93	24

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. AdhamElAlfy

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: List any criticisms	**Response of course team**
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 2017 – 2018

……..

Course coordinator: Prof. Dr. AdhamElAlfy

Signature:

Date: August 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

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

3- Year/Level of program: level one

4- Unit hours: 2

Lectures 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

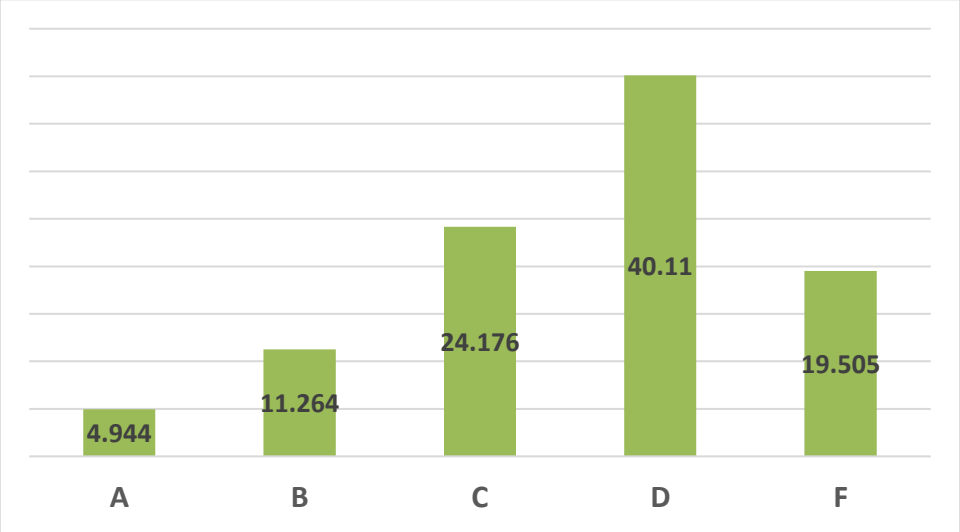
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	**No. 100%**	**No. 86 100%**
No. of students completing the course	**No. %**	**No. 64 74.418%**

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

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



C- Professional Information:

1 – Course teaching:

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

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [-] **<70%** [-]

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Circuit laboratory

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

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

4- Administrative constraints

List any difficulties encountered

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

5- Student evaluation of the course:

List any criticisms

6- External Reviewer Comments:

المقرر به عدد كبيرمن مخرجات التعلم

7- Response to external reviewer comments:

تم تخفيض مخرجات التعلم للمقرر لتصبح ٢٢ مخرج

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

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

7- Action plan for academic year 2017 – 2018

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

Signature:

Date: November 2017

Annual Course Report
(Academic year 2016-2017)

A- Basic Information:

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

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

Prof. Dr. Abdemenam El mahdy

Dr. Essam Zaki

6- Course coordinator: Prof. Dr. Abdemenam El mahdy

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

B- Statistical Information:

	FALL	Spring	Summer
No. of students attending the course	No. 283 100%	No. 103 100%	No. 22 100%
No. of students completing the course	No. 240 85%	No. 68 66%	No. 18 82%

	Grading of students					
	FALL		Spring		Summer	
	No.	%.	No.	%.	No.	%.
A	10	3.5	1	1	-	-
A+	23	8	-	-	2	9
A-	15	5	2	2	1	5
B+	28	10	4	4	2	9
B	27	10	2	2	-	-
C+	30	10.6	4	4	1	5
C	39	14	19	18	5	23
D+	29	10	8	8	2	9
D	23	8	7	7	2	9
D-	16	6	21	20	3	13.6
F	43	15	35	34	4	18

C- Professional Information:

1 – Course teaching:

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

Total Hours	60	

percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Prof. Dr. Abdemenam El mahdy

Role of external evaluator None

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

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate ……

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

- None

6- Student evaluation of the course:

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

Response of course team

تم مراعاة النقاط السابقة

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:

الاهتمام بالسكاشن من الناحية التطبيقية وزيادة التمارين

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

9- Action plan for academic year 2017– 2018

سيتم تغيير الاسماء السالف ذكرها مع الاهتمام بزيادة التمارين

Course coordinator: Prof. Dr. Abdemenam El mahdy
Dr. Essam Zaki

Signature:

Date: August 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report

Academic year 2016-2017

A- Basic Information

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

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

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

4- Credit hours

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

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

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

7- External evaluator: Non

B- Statistical Information

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

41- Results:

	No.	%
Passed	310	96.8
Failed	10	11.5

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

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Introduction to quantum physics	1		
➢ Classical and modern theory of light	1		1
➢ Plank's expanation for blak body radiation	1	2	2
➢ Photo electric effect	1	2	2
➢ Compton expriment	1	2	2
➢ Compton scattering	2	2	
➢ Particls behaving as a wave and partical wave complementarity	1	2	2
➢ Introduction to wave mechanics	2	2	1
➢ The uncertainty principle	2	2	1
➢ Wave function for free particale	1		

➢ Wave function of the particale	3	2	1
➢ The simple harmonic oscillator	2	2	1
➢ Scanning tunneling microscopy	2	2	
➢ Introduction to atomic physics	1		
➢ Models of atoms	2	2	1
➢ Bonding mechnisms	2	4	1
➢ Bonding in solids	3	2	
➢ Classical free electron model of metals	3	2	
Total hours	**30**	**15**	**30**

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
(f) Add more experiments to physics Laboratory	December 20١٨	4 experiments are already added on September 2015.

9- Action plan for academic year 2017 – 2018

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

Course coordinator: Prof. Dr L. I. Soliman
Signature:
Date: Feb. 201٨

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

3- Year/Level of program: Sophomore, 2017

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

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

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

7- External evaluator: Non

B- Statistical Information

42- No. of students attending the course:	**No.**	**347**	**100 %**
43- No. of students completing the course:	**No.**	**347**	**100 %**

44- Results:

	No.	%
Passed	274	78.96
Failed	131	21.04

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

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Definitions, order, degree.	1	1	—
➢ 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 Assoc. Prof. Dr. Ashraf Taha

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Assoc. Prof. Dr. Ashraf Taha
Signature:
Date: June 12, 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

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

3- Year/Level of program: Second year

4- Unit hours 2

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

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

6- Course coordinator: Dr. Lubna Fekry

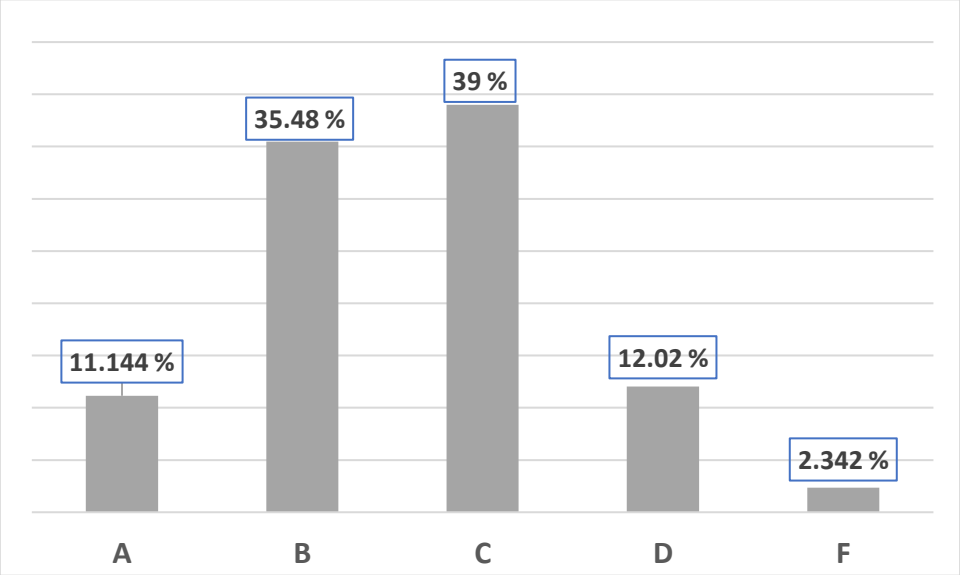
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL
No. of students attending the course	**No.** 341 **100%**
No. of students completing the course	**No.** 333 **97.65%**

Results		
	FALL	
	No.	%
Passed	333	97.65
Failed	8	2.342

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



C- Professional Information:

1 – Course teaching:

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

Percentage of the content specified: 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

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

Practical training/ laboratory: None

Seminar/Workshop: yes

Class activity: Bi-weekly presentation by students

Case Study: None

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

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

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

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

Members of examination committee Dr. LubnaFekry

4- Administrative constraints

List any difficulties encountered

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

5- Student evaluation of the course:

List any criticisms

6- External Reviewer Comments:

Midtermالمقرر ليس له إمتحان

7- Response to external reviewer comments:

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

8- Course enhancement:

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

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

9- Action plan for academic year 2017 – 2018

.

Course coordinator: Dr. LubnaFekry

Date: November 2017

Annual Course Report
(Academic year 2016-2017)

A- Basic Information:

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

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

B- Statistical Information:

	SPRING	SUMMER
No. of students attending the course	No. 234 100%	No. 35 100%
No. of students completing the course	No. 212 93.4%	No. 30 86%

Grads	Results			
	SPRING		SUMMER	
	No.	%	No.	%
A+	6	2	-	-
A	12	4	-	-
A-	20	6	2	6
B+	40	12	-0	-
B	49	15	2	6
C+	38	11	1	3
C	52	15	10	29
D+	40	12	7	20
D	33	10	3	9
D-	22	7	5	14
F	22	7	5	14

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-EldinRateb
• Arrays -A storage of one dimensional arrays in memory. -Storage of two-dimensional arrays using row major and column major ordering. -Pointer arrays. -Parallel array storage of records. -Operations on matrices and associated algorithms. - Storage of sparse matrices.	5	
• Linear Lists 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.	7	

*Searching and insertion into BST. Deletion from a BST. *Building a BSST		
• Sorting Introduction Sorting algorithms using selection, exchange and insertion techniques. Complexity of algorithm. Bubble sort algorithm as an example for exchange technique. Binary sort quick sort) algorithm. Heap sort algorithm	7	
Total hours	45	

percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

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

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

5- Administrative constraints
List any difficulties encountered
- None

6- Student evaluation of the course:

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 2017 – 2018: None

Course coordinator: Prof. Dr. Mohi-EldinRateb

Signature:

Date: August 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

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

3- Year/Level of program: Level one

4- Unit hours 2

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

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

Prof. Dr. Said Refai – Dr. Haytham Gamal

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

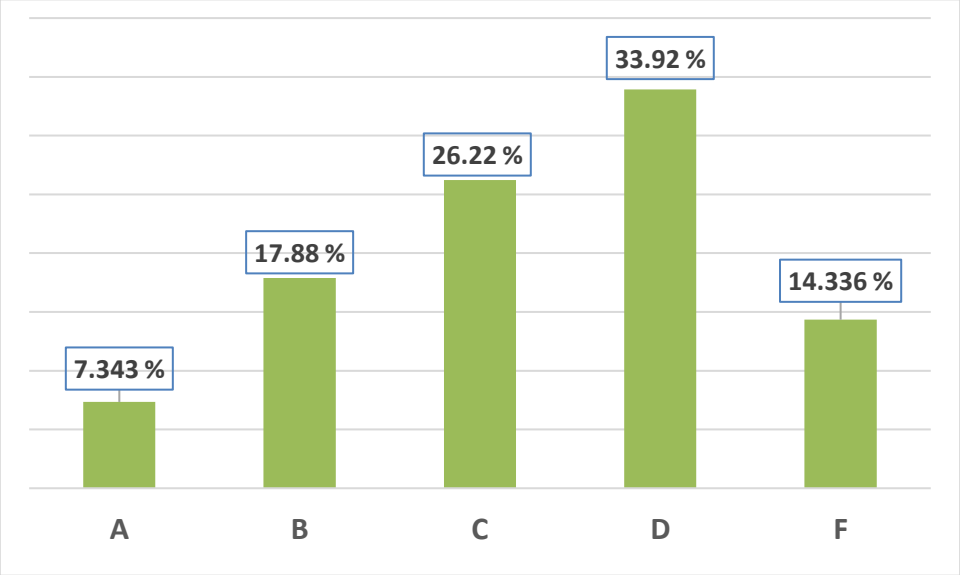
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. 100%	No. 299 100%	No. 100%
No. of students completing the course	No. %	No. 235 78.595%	No. %

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

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



C- Professional Information:

1 – Course teaching:

Topics	Lecture hours	Tutorial hours	Practical hours
1-Sinusoidal steady- state analysis.	2	3	-
2-Techniques of circuit analysis in AC.	4	6	-
3- Sinusoidal steady- state power calculation.	4	6	-
4-Balanced three- phase circuit.	4	6	-
5- Introduction to Laplace- Transform.	2	3	-
6- Laplace- Transform circuit analysis.	4	6	-
7- Techniques of circuit analysis using Laplace- Transform.	4	6	-
8- Frequency selective circuits.	4	6	-
9- Two- ports networks.	2	3	-
Total hours	**30**	**45**	

percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Circuit Laboratory

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

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

4- Administrative constraints

List any difficulties encountered

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

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

List any criticisms

6- External Reviewer Comments:

المقرر ليست به مخرجات للمهارات المهنية والعلمية

7- Response to external reviewer comments:

تم إضافة مهارات مهنية وعملية للمقرر

8- Course enhancement:

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

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

8- Action plan for academic year 2017 – 2018

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

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

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

3- Year/Level of program: Level one

4- Unit hours 2

Lectures 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.

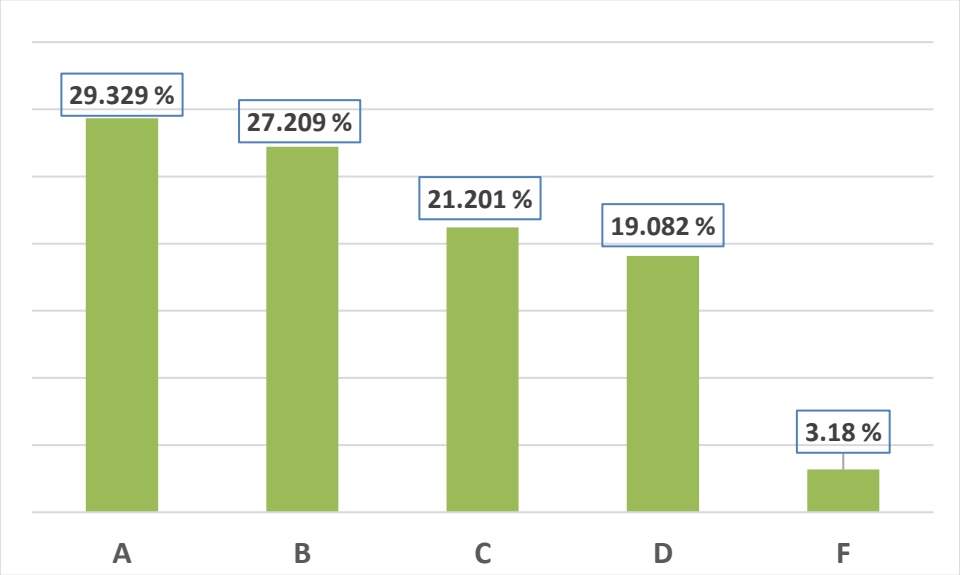
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. 100%	No. 267 100%	No. 43 100%
No. of students completing the course	No. %	No. 243 91.01%	No. 80.453 %

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

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



C- Professional Information:

1 – Course teaching:

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

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [-] **<70%** [100%]

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: Measurements and Testing Laboratory

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

Written examination	60 %
Practical examination	20 %
Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	**100 %**
Members of examination committee	Prof. Dr. SHOUMAN E.I. SHOUMAN.

4- List any difficulties encountered

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

5- Student evaluation of the course:

List any criticisms

6- Comments from external evaluator(s):

External evaluator: None

7- Course enhancement:

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

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

8- Action plan for academic year 2017 – 2018

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

Date: November 2017

Annual Course Report
(Academic year 2016-2017)

A- Basic Information:

1- Title and code: 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 1hrs Practical 2hrs Total 3hrs

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

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

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

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

B- Statistical Information:

	SPRING
No. of students attending the course	No. 241 100%
No. of students completing the course	No. 135 69%

Grads	Results	
	SPRING	
	No.	%
Passed	135	69
Failed	106	31

Results		
	SPRING	
	No.	%
A	6	2
B	31	13
C	70	29
D	128	53
F	106	31

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 2017 – 2018: None

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

Signature:

Date: August 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

3- Year/Level of program: Sophomore, 2017

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

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

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

7- External evaluator: Non

B- Statistical Information

45- No. of students attending the course:	**No.**	**302**	**100 %**
46- No. of students completing the course:	**No.**	**302**	**100 %**

47- Results:

	No.	%
Passed	274	90.73
Failed	28	9.27

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

C- Professional Information

1 – Course teaching

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

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

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

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Assoc. Prof. Dr. Ashraf Taha
Signature:
Date: June 12, 2016

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report

Academic year 201٧-201٨

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

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

50- Results:

	No.	%
Passed	348	87
Failed	64	13

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

3 – Contents

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

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

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

- Non

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	

8- Written Exam Evaluation

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

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
(g) Add more experiments to physics Laboratory	may 201٨	No action.

9- Action plan for academic year 201٧ – 201٨

Actions required	Completion date	Person responsible
1. adding more exercises, assignments reports and quizzes for Chapter 1- 5	June 201٨	Prof. Dr L. I. Soliman

Course coordinator: Prof. Dr L. I. Soliman
Signature:
Date: June 201٨

Second Level

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

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code: 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. 245 100%**
No. of students completing the course	**No. 239 98%**

	FALL	
	No.	**%**
Passed	**239**	**98**
Failed	**6**	**2**

	FALL	
	No.	**%**
A+	46	19
A	34	14
A-	44	18
B+	39	16
B	25	10
C+	17	7
C	13	5
D+	8	3
D	6	2
D-	7	3
F	6	2

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 2017 – 2018

none
Course coordinator: Dr. Ahmed Sarhan
Signature:

Date: August 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

5- Names of lecturers contributing to the delivery of the course: Ass. Prof. Dr. Magdy O. Tantawy

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

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

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. 310.....%	No. 73 ..... %
No. of students completing the course	No. 310 100%	No.73 100%

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

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

C- Professional Information:

1- Course Teaching:

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

Percentage of the content specified:

>90 % [√] **70-90 %** [√] **<70%** [-]

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: weekly laboratory lessons

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

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

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

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

- الوقت المخصص للتمارين – محاضره ٤٥ دقيقه اسبوعيا – غير كافى بالمره
- المنهج الدراسى طويل جدا و صعب ولا يتناسب مع عدد المحاضرات المتاحه اسبوعيا
- طريقه شرح الدكتور للمنهج غير متناسبه لى كطالب علاوه على انه لا يتقبل الاسئله اثناء المحاضره بصدر رحب

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

- فعلا وقت التمارين غير كافى ونحاول الالتفاف على هذه المشكله بترتيب اوقات التمارين بحيث يكون وقت التمرين يعقبه فتره حره فى جدول ممكن الاستفاده منها فى اطاله فتره التمرين

- المنهج الدراسى بيعرض اساسيات علم التحكم الالى و التى يجب على كل مهندس ان يكون ملما بها و اللائحه ...،...مثل الرياضيات و الطبيعه ،).Basic Engفهو علم من علوم الهندسه الاساسيه (... هى التى حددت عدد و توزيع المحاضرات و التمارين و المعامل
- اما عن طريقه الشرح الغير مناسبه فالغالب انها ملاحظه من بعض الطلبه الغير منتظمين فى حضور لان عدم الانتظام فى حضور المحاضرات يؤدى الى فقدان التسلسل المعرفى ..المحاضرات وبالتالى يكون من الصعب على هولاء ان يتابعوا بالفهم شرح المحاضرات ..لمحاضرات الماده) فهل هذه نتيجه 85.480%ولكن اذا نظرنا الى نتائج امتحانات الفصل الدراسى فنجد نسبه النجاح ( ) طالب بتقدير امتياز علاوه على ذلك فهناك الساعات 48 وهناك عدد (..لماده طلبه لا تفهم شرحها ؟ المكتبيه المخصصه كى يتواصل الطلبه مع الاساتذه لشرح اى نقاط فى الماده العلميه تكون غير مفهومه لهم

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

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. 314	No. 32
No. of students completing the course	No. 314 ١٠٠%	No. 32 100%

Results

	FALL		SPRING	
	No.	%	No.	%
Passed	305	97.134	21	65.625
Failed	9	2.866	11	34.375

Grading of students

	FALL		SPRING	
Grads.	No.	%	No.	%
+A	37	11.783	0	0
A	58	18.471	1	3.125
-A	49	15.605	0	0
+B	41	13.057	1	3.125
B	36	11.465	3	9.375
+C	23	7.325	2	6.250
C	31	9.873	1	3.125
+D	9	2.866	2	6.250
D	12	3.822	7	21.875
-D	9	2.866	4	12,500

F	9	2.866	11	34,375

C- Professional Information:

1- Course Teaching:

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

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination ٦٠ %

Practical examination	٢٠ %
Other assignments/class work	١٠ %
Mid-Term Exam	١٠ %
Total	**100 %**

Members of examination committee *Prof. Dr. HanyTawfik*

4- Administrative constraints

List any difficulties encountered: None

5- Student evaluation of the course:

List any criticisms

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

6- Comments from external evaluator(s):

External evaluator: None.

7- Course enhancement:

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

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

8- Action plan for academic year 2017– 2018

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

Course coordinator: *Prof. Dr. HanyTawfik*

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Electronic Measurements (ELC 314)

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. 0	No. 337	No. 50
No. of students completing the course	No.0 100%	No.337 100%	No.50 100%

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

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

C- Professional Information:

1- Course Teaching:

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

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination	٦٠ %
Practical examination	٢٠ %
Other assignments/class work	١٠ %
Mid-Term Exam	١٠ %
Total	**100 %**

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

5- Administrative constraints

List any difficulties encountered

- None

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

List any criticisms

- بالنسبة للمعيدة ايمان سمير تشرح بطريقة ممتازة وباسلوب مشوق وكانت تحس الطلبة على التفاعل بالحل اثناء وقت*
- السيكشن بعض الأمثلة على البوورد وساعدتنا باعطاء ورق الشرح والتوضيح واعطتتناsectionsاضافيه
- ار جو عدم الشرح بواسطةdata show
- أتمنى عدم الشرح من الدكتور بواسطة البروجيكتور
- تغيير المادة لانه غير قادرعلى توصيل المعلومة اطلاقا وغير قادر على شرح المقرر بطريقة واضحه.
- لا يتعامل الدكتور مع الطلبة باحترام..الرجاء احترام الطالب والتفاعل معهم
- الدكتور يشرح بسرعة كبيره..الرجاء الشرح على السبورة وبهدوء
- تطوير أدوات المعامل
- الدكتور يتعامل مع الطلبه باحترام وإعطاء كل ذي حق حقه.
- تغيير المنهج ليصبح أكثر تفاعلاً وتطورا من قبل*
- عمل بعض الدوائر الكهربيه التي ندرسها سيحسن من خبراتنا العمليه

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

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

Course coordinator: *Prof. Dr. HanyTawfik*

Date: November 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code: 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. AbdelmenamFoda

Course coordinator:

B- Statistical Information

	FALL COMM	FALL COMP
No. of students attending the course	No. 275 100%	No. 44 100%
No. of students completing the course	No. 266 97%	No. 42 95%

	Results			
	FALL COMM		FALL COMP	
	No.	%	No.	%
Passed	266	97	42	95
Failed	9	3	2	5

	Student Results			
	FALL COMM		FALL,COMP	
	No.	%	No.	%
A+	1	.4	--	--
A	8	3	3	7
A-	16	6	8	18
B+	29	11	6	14
B	38	14	6	14
C+	44	16	5	11
C	45	16	7	16
D+	34	12	3	7
D	26	9.4	1	2
D-	25	9	3	7

F	9	3	2	5

C- Professional Information

1- Course Teaching:

Topic	Lecture	
➢ . Introduction to MATLAB	2	Dr. AbdelmenamFoda
➢ 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 2017 – 2018

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. AbdelmenamFoda

Signature:

Date: August 2017

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

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

4- Credit hours

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

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

6- Course coordinator: Dr. S. Shenawy

7- External evaluator: None

B- Statistical Information

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

3- Results:

	No.	%
Passed	467	76.31
Failed	145	23.69

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

C- Professional Information

1 – Course teaching

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

	Total hours	30	28	30

Topics taught as a percentage of the content specified: More than 93 %

Reasons in detail for not teaching any topic:

None

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

None

Achieved program intended learning outcomes, ILO's:

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

2- Teaching and learning methods:

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

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

3- Student assessment:

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

Members of examination committee: Dr. S. Shenawy

Role of external evaluator: None

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies:

5- Administrative constraints (List any difficulties encountered)

None

6- Student evaluation of the course:

	List any criticisms	Response of course team
(a)		

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	None	None

8- Written Exam Evaluation

The results of the course are normally distributed with mean at 63% and with standard deviation 15. This means that the main objectives of the course are achieved for most of the students.

9- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
None	None	None

9- Action plan for academic year 2017 – 2018

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr. S. Shenawy
Signature:
Date: Feb. 25, 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

B- Statistical Information:

	FALL	SPRING
No. of students attending the course	No. 311	No. 59
No. of students completing the course	No. 311 ١٠٠%	No. 59 ١٠٠%

Results				
	FALL		SPRING	
	No.	%	No.	%
Passed	288	92.605	48	81.356
Failed	23	7.395	11	18.644

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

C- Professional Information:

1- Course Teaching:

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

Percentage of the content specified:

>90 % [-] **70-90 %** [√] **<70%** [-]

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

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

4- Administrative constraints

List any difficulties encountered:

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

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

List any criticisms

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

6- Comments from external evaluator(s):

External evaluator: None

7- Course enhancement:

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

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

This is the first year of teaching that course

8- Action plan for academic year 2017– 2018

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

Course coordinator: *Dr. Ahmed Hassan Eldieb*

Date: November 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code: 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
No. of students attending the course	**No. 41 100%**
No. of students completing the course	**No. 41 100%**

	FALL	
	No.	**%**
Passed	**41**	**100**
Failed	**0**	**0**

	FALL	
	No.	**%**
A+	5	12
A	10	24
A-	8	20
B+	13	32
B	4	10
C+	1	2

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	%
Practical examination	60 %
Other assignments/class work	40 %
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:
Action State whether or not completed and give reasons for any none-completion
9- Action plan for academic year 2017 – 2018
Introducing a new topics of technology that is considered by industry
Course coordinator: Prof. Dr. Said Gawish

Signature:

Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

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

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

3- Year/Level of program: Junior

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

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

Course coordinator:

B- Statistical Information

Results			
	Fall	**Spring**	**Summer**
No. of students attending the course	**No. 271 100%**	**No.94 100%**	**No. 22 100%**
No. of students completing the course	**No. 252 93.%**	**No. 86 91.4%**	**No. 22 100%**

Student Results						
	Spring		Spring		Summer	
Grads.	No.	%	No.	%	No.	%
+A	1	.0.3	1	1	1	5
A	6	2	1	1	-	-
-A	15	6	2	2	3	14
+B	25	9	3	3	2	9
B	30	11	7	7.4	4	18
+C	40	15	13	14	2	9
C	48	18	24	26	5	23
+D	33	12	13	14	-	-
D	38	14	10	11	4	18
-D	16	6	12	13	1	5
F	19	7	8	9	-	-

C- Professional Information

1- Course Teaching:

Topic	Lecture hours	Lecture
➢ Basic Structure of computers	2	DrSehamEbrahim
➢ 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

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 2017 – 2018

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

Signature:

Date: August 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course		No. 270	No. 54
No. of students completing the course		No. 270 ١٠٠%	No. 54 ١٠٠%

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

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

C- Professional Information:

1- Course Teaching:

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

Percentage of the content specified:

>90 % **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board and slides using projector

Practical training/ laboratory: analog communication lab experiments

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination 60 %

Practical examination 20%

Other assignments/class work	10 %
Mid-Term Exam	10 %
Total	**100 %**

Members of examination committee Prof. Dr. Adel El- Sherif

4- Administrative constraints

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

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

List any criticisms

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

6- Comments from external evaluator(s):

External evaluator: None

7- Course enhancement:

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

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

8- Action plan for academic year 2017– 2018

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

Course coordinator: Prof. Dr. Adel El- Sherif

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Electronic Measurements (ELC 314)

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

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

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

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course	No. 0	No. 337	No. 50
No. of students completing the course	No. 0 100%	No. 337 100%	No. 50 100%

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

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

C- Professional Information:

1- Course Teaching:

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

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination	٦٠ %
Practical examination	٢٠ %
Other assignments/class work	١٠ %
Mid-Term Exam	١٠ %
Total	**100 %**

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

5- Administrative constraints

List any difficulties encountered

- None

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

List any criticisms

- بالنسبة للمعيدة ايمان سمير تشرح بطريقة ممتازة وباسلوب مشوق وكانت تحس الطلبة على التفاعل بالحل اثناء وقت*
- السيكشن بعض الأمثلة على البوورد وساعدتنا باعطاء ورق الشرح والتوضيح واعطتتناsectionsاضافيه
- ار جو عدم الشرح بواسطةdata show
- أتمنى عدم الشرح من الدكتور بواسطة البروجيكتور
- تغيير المادة لانه غير قادرعلى توصيل المعلومة اطلاقا وغير قادر على شرح المقرر بطريقة واضحه.
- لا يتعامل الدكتور مع الطلبة باحترام..الرجاء احترام الطالب والتفاعل معهم
- الدكتور يشرح بسرعة كبيره..الرجاء الشرح على السبورة وبهدوء
- تطوير أدوات المعامل
- الدكتور يتعامل مع الطلبه باحترام وإعطاء كل ذي حق حقه.
- تغيير المنهج ليصبح أكثر تفاعلاً وتطورا من قبل*
- عمل بعض الدوائر الكهربيه التي ندرسها سيحسن من خبراتنا العمليه

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

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

Course coordinator: *Prof. Dr. HanyTawfik*

Date: November 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code: 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. AbdelmenamFoda

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.43 100%**
No. of students completing the course	**No.42 98 %**

	Results	
	Spring	
	No.	**%**
A+	16	37
A	11	26
A-	10	23
B+	5	12
F	1	2

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

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

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

8- Course enhancement: الاهتمام بناحية الهارد وير جنبا الى جانب مع العرض التقديمى

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 2017 – 2018
Introducing modern technology and practical Problems in different ways and presenting hardware with seminars
Course coordinator: Prof. Dr. Said Gawish
Signature:

Date: August 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

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

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

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

6 -Course coordinator: Dr. Eman Mohamed Mahmoud

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

B- Statistical Information:

	FALL	SPRING	SUMMER
No. of students attending the course		No. 301	No. 50
No. of students completing the course		No. 301 ١٠٠%	No. 50 ١٠٠%

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

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

C- Professional Information:

1- Course Teaching:

Topics	Lecture hours	Tutorial hours	Practical hours	Lecturer
1- Bipolar Junction Transistors.	1	1	1	Dr. Eman Mohamed Mahmoud
2-The I-V curve of BJT.	1	1	٢	
3- BJT Operating Regions.	1	1	٢	
4-BJT Circuit Configurations**.**	6	4	٦	
5- Transistor Amplifier.	8	8	١٠	
6- Graphical Analysis.	1	2	٢	
7-Frequency Response.	4	2	٢.٥	
8-Amplifier Frequency Response.	4	3	١	
9- Effect of Internal Transistor Capacitance.	2	4	١	
10- Types of power amplifiers	1	1	٠.٥	
11-Class A power amplifier.	1.5	2	١	
12- Signal Generators& Wave shaping circuits**.**	0.5	1	١	
Total hours	**30**	**30**	**30**	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

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

Practical training/ laboratory: None

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

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

Total	**100 %**

Members of examination committee Dr. Eman Mohamed Mahmoud

5- Administrative constraints

List any difficulties encountered

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

6- Student evaluation of the course:

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

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

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

Course coordinator: Dr. Eman Mohamed Mahmoud

Date: November 2017

Annual Course Report
(Academic year 2016-2017)

A- Basic Information

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

2- Program(s) on which this course is given:
Computer Engineering & Information Technology program
Electronic Engineering & communication Technology program

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

4- Unit hours

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

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

6- Course coordinator: Dr. Ghada Salem & Dr. Ashraf Taha
7- External evaluator: Non

B- Statistical Information

4- No. of students attending the course:	**No.**	**337**	**100 %**
5- No. of students completing the course:	**No.**	**268**	**80 %**

6- Results:

	No.	%
Passed	268	80
Failed	69	20

Grading of successful students:		
Grade	No.	%
Excellent	26	7
Very Good	38	11
Good	59	18
Pass	145	43

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Complex numbers, arithmetic operations, polar forms.	4	4	—
➢ D'Moiver theorem, complex functions, Analytic function.	4	6	—
➢ Elementary functions of complex variables.	2	6	—
➢ Mapping, and conformal mapping, complex integrals.	4	4	—
➢ Power series & Integration by method of residues.	4	8	—
➢ Introduction to PDEs, Basic concepts of PDEs Classifications and conical forms of 2nd order linear PDEs.	4	9	—

➢ Method of separation of variables for heat equation, Wave and Laplace equations, D'Alembert solution of wave equation, Solution of PDEs using Laplace transforms.	8	9	—
Total hours	**30**	**45**	—

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

Reasons in detail for not teaching any topic:

Non

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

Non

Achieved program intended learning outcomes, ILO's:

A1,A5,B1,B2,B3,B11,D3,D4,D7

2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving

Class activity Numerical exercises; solution of problems, Applications on the computer.

Case Study: Selected case studies

Other assignments/homework: Bi-weekly assignments and reports

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

3- Student assessment:

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

Members of examination committee: Dr. Ghada Salem

Role of external evaluator: Non

4- Facilities and teaching materials:

Totally adequate	
Adequate to some extent	Yes
Inadequate	

List any inadequacies: This needs a computer Lab

5- Administrative constraints (List any difficulties encountered)

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

6- Comments from external evaluator(s):

Comment	Response of course team
None	None

7- Written Exam Evaluation

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

8- Course enhancement:

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

Actions required	Planned Completion date	Accomplishment
Adding applications in manufacturing technology.	Done	None

9- Action plan for academic year 2017 – 2018

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

Course coordinator: Dr. Ghada Salem

Signature:

Date: November 2016

Modern Academy for Engineering
and Technology in Maadi

Annual Course Report
Academic year 2016-2017

A- Basic Information

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

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

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

3- Year/Level of program: 2nd Semester

4- Credit hours

Total hrs Lectures 2 hrs Tutorial - Practical -

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

6- Course coordinator: Dr Shimaa Lotfy

7- External evaluator: Dr Marwa Fouad

B- Statistical Information

1- No. of students attending the course:	**No.**	**237**	**100**	**%**
2- No. of students completing the course:	**No.**	**220**	**84.4**	**%**

3- Results:

	No.	%
Passed	220	84.4
Failed	17	5.4

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

C- Professional Information

1 – Course teaching

Topic	Total hours		Lecturer
	Plan.	Actual	
مفهوم الادارة			Dr. Shimaa
مفهوم التخطيط			
صناعة و اتخاذ القرارات			
الهياكل التنظيمية			
القيادة و التوجيه			
ادارة الأعمال الدولية			
مفهوم ادارة الجودة الشاملة			
Total hours			

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

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

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

2- Teaching and learning methods:

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

3- Student assessment:

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

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

4- Facilities and teaching materials:

Totally adequate	Yes
Adequate to some extent	
Inadequate	

List any inadequacies: Non

5- Administrative constraints (List any difficulties encountered)

➢ Non

6- Student evaluation of the course:

Non

7- Comments from external evaluator(s):

	Comment	Response of course team
(a)	Non	Non

8- Written Exam Evaluation

9- Course enhancement:

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

9- Action plan for academic year 2013– 2014

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

Course coordinator: Dr.Shimaa Lofy

Signature:

Date: September 1, 2018

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code Industrial Training -1:CMP 563

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

3- Year/Level of program: Senior-2 9th Semester
4- Unit hours 2
Lectures - Tutorial - Practical 6hrs Total 3hrs

5- Names of lecturers contributing to the delivery of the course
Group of Industrial company

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.** 53 **100%**
No. of students completing the course	**No.** 46 **100%**

	Summer	
	No.	**%**
Passed	**44**	**100**
Failed	**0**	**0**

	Summer	
	No.	**%**
A+	12	27.3
A	25	57
A-	4	9
B+	2	4.5
B	0	0
C+	1	2.2
C	0	0
D+	0	0
D	0	0
F	0	0

C- Professional Information

1- Course Teaching:

Topic	Lecture hours
According to the training course of the national companies or industrial factories. At end of training, student should submit a report with the following formations: • Profile of the industry • Organization structure • Machine, equipment, devices • Personal welfare scheme • Details of the training undergo • Project undertaken during the training	
Total hours	**90**

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:

Different programs or projects

Case Study: -

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

Written examination	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: **Laboratories and computers system and software application Programs etc**
Totally adequate **.Yes.**

Adequate to some extent .....
Inadequate .....
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered

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

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

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:
Improving the training plan and increasing number projects
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 2017 – 2018

Course coordinator: Stuff Members
Signature:
Date: August 2017

Third Level

Term	Code	Subject
First semester	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
Second semester	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)

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 311: Numerical Methods with Computer Applications

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

3- Year/Level of program: Level Two

4- Unit hours 2

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

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

6- Course coordinator: Ass. Prof. DrAbdelmenam Fouda

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

B- Statistical Information:

	FALL
No. of students attending the course	**No. 373…100…%**
No. of students completing the course	**No. 334 90%**

	FALL	
	No.	**%**
Passed	**334**	**90**
Failed	**39**	**10**

	FALL	
Grads.	**No.**	**%**
+A	**2**	**0,5**
A	**17**	**5**
-A	**30**	**8**
+B	**39**	**10**
B	**59**	**16**
+C	**41**	**11**
C	**37**	**10**
+D	**42**	**11**
D	**42**	**11**
-D	**25**	**7**
F	**39**	**10**

C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours
Curve fitting and linear Approximation of a function.	4	4	
Interpolation			
polynomial interpolation and error estimation in the interpolation formula Lagrange interpolation	2	2	
Newton –interpolation	2	2	
Hermite interpolation.	2	2	
Numerical Integration			
Newton-Cotes formula, composite Newton-cotes formula	2	2	
Romberg – steifel integration method.	2	2	
Numerical solution of initial value problems	2	2	
numerical solution of first order methods Runge- Kutta methods	4	4	
multistep methods .	2	2	
Numerical solution of linear and non-linear equation, Gauss-Seidel method.	4	4	
Numerical solution of nonlinear equations the fixed point iteration method, Newton-Raphson method.	4	4	
Total hours	**30**	**30**	

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: weekly laboratory lessons
Seminar/Workshop: None

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

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

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

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

Members of examination committee: Dr. Gada Salem -Dr. Abdel Menam Fouda

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

Course coordinator: Dr. Gada Salem -Dr. Abdel Menam Fouda

Date: November 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code Data Base Management : CMP 423

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

3- Year/Level of program: Level: Senior 1, 8th Semester

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

5- Names of lecturers contributing to the delivery of the course
Dr. Sabry Abd Elmoaty

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.** 24 **100%**
No. of students completing the course	**No.** 24 **100%**

	Spring	
	No.	**%**
Passed	**24**	**100**
Failed	**0**	**0**

	Spring	
	No.	**%**
A+	0	0
A	1	4.545
A-	0	0
B+	4	18.183
B	2	9.09
C+	7	27.27
C	4	18.183
D+	3	13.636
D	0	0
D-	1	4.54
F	0	0

C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Database concepts, terminology, and fundamentals	6	4	
➢ Data analysis	4	4	
➢ Building data models	4	4	
➢ Data model normalization forms	3	6	
➢ Analyzing functional dependency in the data model	6	2	
➢ Converting data model into schema design.	6	2	
➢ Structured Query Language	10	6	
➢ Security in databases	6	2	
Total hours	45	30	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:

Different programs or projects

Case Study: -

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

Written examination	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: **Laboratories and computers system and software application Programs etc**

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

List any inadequacies
None

5- Administrative constraints

List any difficulties encountered

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

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

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:

Improving the training plan and increasing number projects

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 2017 – 2018

Course coordinator: Dr. Sabry Abd Elmoaty
Signature:
Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code : Microprocessor Based-Systems: CMP 410

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

3- Year/Level of program: Level: Senior 1, 8th Semester

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

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

Course coordinator:

B- Statistical Information

	Fall
No. of students attending the course	**No.** 178 **100%**
No. of students completing the course	**No.** 152 **100%**

	SPRING	
	No.	**%**
Passed	**239**	**86**
Failed	**34**	**14**

	Spring	
	No.	**%**
A+	1	0.4
A	2	0.8
A-	5	2
B+	8	3
B	17	7
C+	26	11
C	33	14
D+	38	16
D	34	14
D-	41	17
F	34	14

C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
➢ The architecture of microprocessor and microcontroller.	3	2	--
➢ Assembly instructions for MCS-51.	3	1	4
➢ The Addressing modes for MCS-51.	2	1	--
➢ The instruction formats for MCS-51.	2	1	4
➢ The timers and counters.	3	2	2
➢ The interrupts and its priority.	3	2	4
➢ The serial and parallel communications with processors.	3	2	4
➢ The interface with external memories and PPI.	3	2	4
➢ The interface with input units (such as sensors, keypad …etc).	3	1	2
➢ The interface with output units (such as motors, monitors …etc)	3	1	2
➢ Task for mini-project.	2	--	4
Total hours	30	15	30

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:

Different programs or projects

Case Study: -

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

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

Members of examination committee
Role of external evaluator None

4- Facilities and teaching materials: **Laboratories and computers system and software application Programs etc**
Totally adequate **.Yes.**

Adequate to some extent .....
Inadequate .....
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered

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

7- Student evaluation of the course:

Response of course team

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:
Improving the training plan and increasing number projects
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 2017 – 2018

Course coordinator: Dr. Asem Badr
Signature:
Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

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

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

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

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

4- Unit hours 2

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

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

B- Statistical Information

	FALL	SPRING	SUMMER
No. of students attending the course	No. 57	No. 240	No. 14
No. of students completing the course	No.57 ١٠٠%	No.240 ١٠٠%	No.14 ١٠٠%

Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	54	94.737	228	95.00٠	14	100.000
Failed	3	5.263	12	5.00٠	0	0

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

C- Professional Information

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

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board

Practical training/ laboratory: according to the training course

Seminar/Workshop: Project

Class activity:

Different programs or projects

Case Study: -

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

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

Members of examination committee

Role of external evaluator None

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

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

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

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

6- Student evaluation of the course:

7- Comments from external evaluator(s):

External evaluator:

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

State the involvement of the external evaluator in:

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

8- Course enhancement:

Adding the 3-phase motor experiments with their carves

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

First year of the course

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

9- Action plan for academic year 2017– 2018

A new course and new book added.

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

Date: November 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code : **:** Operating Systems :CMP 435

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

3- Year/Level of program: Level: : Semester 9 ,Senior 2
4- Unit hours 2
Lectures 2 Tutorial -2 Practical -hrs Total 3hrs

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

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No.40 100%**
No. of students completing the course	**No. 39 98%**

	Spring	
	No.	**%**
Passed	**39**	**98**
Failed	**1**	**2**

	Spring	
	No.	**%**
A+	0	0
A	1	5.9
A-	1	5.9
B+	3	17.7
B	1	5.9
C+	3	17.7
C	3	17.7
D+	1	5.9
D	2	11.8
D-	1	5.9
F	1	2

C- Professional Information

Topic	Lecture hours	Tutorial hours
➢ Operating system concepts -Multiprocessing-CPU scheduling.	6	6
➢ Deadlocks-Race conditions-Memory management-I/0 management.	6	6
➢ File management. - Distributed systems	6	6
➢ Hardware concepts. -Software concepts.	4	4
➢ Design issues. - Communication in distributed systems.	2	2
➢ Layered protocol. - Client server model.	2	2
➢ Synchronization in distributed system.	2	2
➢ Clock synchronization.	2	2
Total hours	30	30

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:

Different programs or projects

Case Study: -

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

Written examination	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: **Laboratories and computers system and software application Programs etc**

Totally adequate	**.Yes.**
Adequate to some extent	……
Inadequate	……
List any inadequacies	

None

5- Administrative constraints

List any difficulties encountered

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

6- Student evaluation of the course:

المنهج طويل جداً الى درجة الصعوبة فى الحفظ والفهم
المادة كبيرة على الوقت

Response of course team

The course includes OS1 and OS2 and can't be redused

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:

Increasing number of Lecture and adding practical time each one by 3 hours

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

It is the first year for the course

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

9- Action plan for academic year 2017 – 2018

Increasing number of Lecture and adding practical time each one by 3 hours

Course coordinator: PDr. Khaled Morsy

Signature:

Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code : **:** Computer Graphics and Man-Machine Interface: CMP 422

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

3- Year/Level of program: Level: : Senior 1, first Semester

4- Unit hours 2

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

5- Names of lecturers contributing to the delivery of the course
Dr Sabry Abed Moaaty

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No. 44 100%**
No. of students completing the course	**No. 38 86%**

	Spring	
	No.	**%**
Passed	**38**	**86**
Failed	**6**	**14**

	Spring	
	No.	**%**
A+	2	5
A	4	9
A-	2	5
B+	3	7
B	7	16
C+	7	16
C	5	11
D+	4	9
D	3	7
D-	1	2
F	6	14

C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Computer generated Pictures and Raster Images.	2	1	
➢ Elements of computer Generated Pictures	2	1	2
➢ Drawing a Polylines and polygons.	2	1	2
➢ Drawing a General functions	2	1	2
➢ Filling a region:			
• Rows based filling	2	1	2
• Column based filling	2	1	2
• Seed filling	2	1	2
➢ Transformations			2
• 2D transformations	2	1	
• 3D transformations	2	1	2
• Composite transformations	2	1	2
• Inverse transforms			
➢ Projection			2
• Parallel Projection	2	1	
• Perspective Projection	2	1	2
➢ Lightening based on local reflection model.	4	2	6
➢ Containment and Clipping.	2	1	2
Total hours	30	15	30

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:

Different programs or projects

Case Study: -

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

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

Members of examination committee
Role of external evaluator None

4- Facilities and teaching materials: **Laboratories and computers system and software application Programs etc**
Totally adequate **.Yes.**
Adequate to some extent **……**
Inadequate **……**
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered

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

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

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:
Improving the training plan and increasing number projects
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 2017 – 2018

Course coordinator: Dr. Sabry Abdel Moaaty
.

Signature:
Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code : **:** Logic Design-2: CMP 426

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

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

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

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

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No. 49 100%**
No. of students completing the course	**No. 41 84%**

	Spring	
	No.	**%**
Passed	**41**	**84**
Failed	**8**	**16**

	Spring	
	No.	**%**
A+	5	10
A	1	2
A-	2	4
B+	4	8
B	3	6
C+	9	18
C	3	6
D+	4	8
D	5	10
D-	5	10
F	8	16

C- Professional Information

Topic	Lecture hours	Tutorial hours
➢ Introduction	3	1
• Aims realized through the topics of this subjects.		
• Logic gate types (RTL, DTL, TTL, ECL) and others.		
➢ Synthesis of sequential logic circuits	8	4
• State diagrams and state table representation.		
• The mealy and Moore models.		
• Synthesis procedure of completely specified sequential circuits.		
➢ Building state diagram (table)		
➢ Using state reduction techniques (state equivalent) and specially the implication chart method		
➢ State assignment techniques		
➢ Excitation functions derivation		
• Controllable counters as an example for a Moore model.		
➢ Analysis of sequential circuits		
➢ Modular design approaches using register transfers and data paths	6	3
• Digital systems subdivision (Data path and control).		
• Register transfer operations.		
• Arithmetic micro operations.		
• Logic micro operations.		
• Shift micro operations.		
• Multiplexer-based micro operations.		
• Trieste bus based transfers.		
• Memory based transfer.		
• A data path design proposed model.		
• Design of arithmetic logic unit (ALU).		
• Control word based design.		
➢ Sequencing control and algorithmic state machines (ASM)	7	4
• The control unit.		
• The ASM chart construction.		
• An illustrative model (binary multiplier).		
• Hardwired control.		
• Realization of the sequencing part of the ASM chart using sequence register and decoder and using one flip-flop per state.		
• Micro programmed control.		
➢ Memory system design	6	3
• Static RAMs (RAM cell and RAM bit slice)		
• Coincident selection.		
• Dynamic RAMs (Basic cell, addressing and refreshing).		
• Memory system hierarchy.		
• Cache memory.		
• Design using ROM-RAM combination.		
• Design involving decoder implementation.		
• Design using memory array configuration.		
• Increasing the size of physical memory space.		

Total hours	30	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: (all these methods are used at the industrial company responsible for training)

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:
Different programs or projects

Case Study: -

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

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

Members of examination committee
Role of external evaluator None

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

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

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered

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

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

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:
Improving the training plan and increasing number projects
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 2017 – 2018

Course coordinator: Dr. Aseem Badr.

Signature:
Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code : **:** Data Transmission and Computer Networks: CMP 424

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

3- Year/Level of program: Level: Senoir2/ 1st semester

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

5- Names of lecturers contributing to the delivery of the course
Prof. Dr. Wafae Boghdady
Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No. 45 100%**
No. of students completing the course	**No. 43 100%**

	Spring	
	No.	**%**
Passed	**43**	**96**
Failed	**2**	**4**

	Spring	
	No.	**%**
A+	2	4
A	4	9
A-	8	18
B+	8	18
B	7	16
C+	3	7
C	9	20
D+		
D	1	2
D	1	2
F	2	4

C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Introduction. -Fundamentals of comp networks.	3	3	
➢ Media of network -Types of network.	3	3	
➢ Topology of networks. -protocols of networks.	3	3	
➢ OSI Model.-Digital communication overview.	3	3	
➢ Information theory and source coding.	3	3	
➢ Queuing theory for packet networks	3	3	
➢ Protocols of network.	4	4	
➢ Public networks, Integrated Services, and Digital Network (ISDN)	4	4	
➢ Digital communication over view.	4	4	
Total hours	30	30	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:
Different programs or projects

Case Study: -

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

Written examination	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: **Laboratories and computers system and software application Programs etc**
Totally adequate **.Yes.**
Adequate to some extent ……

Inadequate .....

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

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

6- Student evaluation of the course:

Response of course team

The course doesn't include Lab

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:

Improving the training plan and increasing number projects
Adding Lab to the course

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

Reducing the communication part and increasing the Network protocol Part

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

9- Action plan for academic year 2017 – 2018

Course coordinator: Prof. Dr. Wafae Boghdady

Signature:

Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code : **:** Information Systems: CMP425

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

3- Year/Level of program: Level: Senior1, First Semester

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

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

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No. 42 100%**
No. of students completing the course	**No. 39 93%**

	Spring	
	No.	**%**
Passed	**39**	**93**
Failed	**3**	**7**

	Spring	
	No.	**%**
A+	-	-
A	-	-
A-	3	7
B+	2	5
B	5	12
C+	6	14
C	11	26
D+	6	14
D	3	7
D-	3	7
F	3	7

C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Information systems concepts	2	2	
➢ System Approach of solving Business problems	2	2	
➢ System development Life Cycle:			
• System Analysis and design	2	2	
• Data Flow Diagrams	2	2	
➢ Databases systems	2	2	
➢ Information System for Business Operations			
• Marketing Information Systems	1	1	
• Manufacturing Information Systems	1	1	
• Human Resources Management Systems	1	1	
• Accounting Information Systems	1	1	
➢ Management Information Systems	2	2	
➢ Decision support systems	2	2	
➢ Artificial Intelligence and Expert Systems	2	2	
➢ Internet-Based Information Systems	4	4	
➢ Case Study	6	6	
Total hours	30	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: (all these methods are used at the industrial company responsible for training)

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:

Different programs or projects

Case Study: -

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

Written examination	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: **Laboratories and computers system and software application Programs etc**

Totally adequate **.Yes.**

Adequate to some extent **……**

Inadequate **……**

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

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

6- Student evaluation of the course:

دراسة المادة تعتمد في اغالبة على الحفظ ، اقترح زيادة الجزء العملى على حساب الحفظ

Response of course team

يتم تكليف الطالب باجراء مشروع تضبيقى يتم فية تنفيذ كل المراحل التى يتم دراستها للوصول الى نظام معلومات فى اى مجال

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:

Improving the training plan and increasing number projects

تخصيص معيد ذو خبرة عملية فى مجال نظم معلومات وقام بتنفيذ احد النظم فعليا سواء خلال مشروع التخرج او الى وسيلة اخرى

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 2017 – 2018

Course coordinator: Dr. Khaled Morsy

.

Signature:

Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code : **:** Project-1: CMP 461

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

3- Year/Level of program: Level: Level: Senior-1 7th semester

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

5- Names of lecturers contributing to the delivery of the course
Department Stuff
Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No. 44 100%**
No. of students completing the course	**No. 44 100%**

	Spring	
	No.	**%**
Passed	**44**	**100**
Failed	**0**	**0**

	Spring	
	No.	**%**
A+	26	5
A	9	20
A-	2	5
B+	4	9
B	3	7
F	0	0

C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Studying the idea of the assigned project.	2	2	
➢ Planning and scheduling the project activities.	2	2	3
➢ Desining the project circuit.	2	2	6
➢ Implementation the project circuit.	2	2	14
➢ Testing the project circuit.	2	2	7
➢ Make final technical report documentation	5	5	
Total hours	15	15	30

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

2- Teaching and learning methods: (all these methods are used at the industrial company responsible for training)
Lectures: ---Data Show
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:
Different programs or projects

Case Study: -

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

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

Members of examination committee
Role of external evaluator None

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

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

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered

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

6- Student evaluation of the course:
Response of course team
The students are divided into groups

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:
Improving the training plan and increasing number projects
The projects are divided into several teams each team choose the project satisfy their desires.
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 2017 – 2018

Course coordinator: Department Stuff

Signature:
Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code : Software Engineering: CMP 436

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

3- Year/Level of program: Level: Senior 1, first Semester

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

5- Names of lecturers contributing to the delivery of the course
Dr. Sabry Abdel Moaaty

Course coordinator:

B- Statistical Information

	Spring
No. of students attending the course	**No. 46 100%**
No. of students completing the course	**No. 45 100%**

	Spring	
	No.	**%**
Passed	**45**	**98**
Failed	**1**	**2**

	Spring	
	No.	**%**
A+	1	2
A	2	4
A-	1	2
B+	7	15
B	10	22
C+	7	15
C	2	4
D+	6	13
D	6	13
D-	3	7
F	1	2

C- Professional Information

Topic	Lecture hours	Tutorial hours
➢ Software, software engineering and main topics of software engineering.	2	2
➢ ISO standards for software quality attributes	2	2
➢ Software organization structure and interaction between activities.	2	2
➢ Software organization roles understanding	2	2
➢ Software development models	6	4
• Water fall and evolutionary		
• Mills increment and mathematical		
• Spiral model understanding		2
➢ Requirement engineering	8	2
• Requirement Definition		
• Requirement Specification		2
• Non-function requirements		2
• UML and requirement engineering		
➢ Software Design	4	2
• Software Design process		
• Software Design Documents		4
➢ Establishment of software organization	2	
➢ Management of people and planning activities with dependencies.	2	4
Total hours	30	30

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:
Different programs or projects

Case Study: -

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

Written examination 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: **Laboratories and computers system and software application Programs etc**
Totally adequate **.Yes.**
Adequate to some extent **……**
Inadequate **……**
List any inadequacies
None

5- Administrative constraints
List any difficulties encountered

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

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

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:
Improving the training plan and increasing number projects
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 2017 – 2018

Course coordinator: Dr. Sabry Abdel; Moaaty
.

Signature:
Date: August 2017

Annual Course Report

(Academic year 2016-2017)

A- Basic Information

1- Title and code Industrial Training -2 : CMP 564

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

3- Year/Level of program: Senior-2 10th Semester
4- Unit hours 2
Lectures - Tutorial - Practical 6hrs Total 3hrs

5- Names of lecturers contributing to the delivery of the course
Group of Industrial company

Course coordinator:

B- Statistical Information

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

	Summer	
	No.	**%**
Passed	**23**	**100**
Failed	**0**	**0**

	Summer	
	No.	**%**
A+	8	35
A	12	52
A-	2	8.6
B+	0	0
B	0	0
C+	1	4.4
C	0	0
D+	0	0
D	0	0
F	0	0

C- Professional Information

Topic	Lecture hours	Tutorial hours	Practical hours
According to the training course of the national companies or industrial factories. At end of training, student should submit a report with the following Information's: • Profile of the industry • Organization structure • Machine, equipment, devices • Personal welfare scheme • Details of the training undergo • Project undertaken during the training			
Total hours	-	-	90

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

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

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

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

Lectures: Classical lecturing using the white board
Practical training/ laboratory: according to the training course
Seminar/Workshop: Project
Class activity:

Different programs or projects

Case Study: -

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

Written examination	7-%
Practical examination	100 %
Other assignments/class work	- %
Mid-Term Exam	- %
Total	**100 %**

Members of examination committee
Role of external evaluator None

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

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

List any inadequacies
None

5- Administrative constraints
List any difficulties encountered

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

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

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:
Improving the training plan and increasing number projects
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 2017 – 2018

Course coordinator: Stuff Members
Signature:
Date: August 2017

Fourth Level

Term	Code	Subject
First Term	CMP 523	Languages and Compliers
	CMP 524	Computer Modeling and Simulation
	CMP 562	Project -2 (First Stage)
	CMP 538	Pattern Recognition and Neural Networks
	GEN 242	Technical Report Writing
Second Term	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)

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 523: : Languages and Compilers

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

3- Year/Level of program: Level FOUR

4- Unit hours 2

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

5- Names of lecturers contributing to the delivery of the course: . Dr. Khaled Morsy -

6- Course coordinator: Dr. Khaled Morsy

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

B- Statistical Information:

	FALL
No. of students attending the course	No. 19 …100…%
No. of students completing the course	No. 19 100%

	FALL	
	No.	%
Passed	19	100
Failed	0	0

	FALL	
Grads.	No.	%
+A	--	--
A	1	5
-A	2	10
+B	3	16
B	3	16
+C	6	32
C	2	10
+D	0	0
D	1	5
-D	1	5
F	0	0

C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours
➢ Introduction: structure of a compiler.	2	
➢ Lexical analysis: tokens, regular expressions, Lex.	2	2
➢ Parsing: context-free grammars, predictive and LR parsing, recursive descent parsing.	4	2
➢ Abstract syntax: semantic and semantic actions	2	2
• Semantic analysis and symbol tables.		4
• Prolog introduction	2	
• Bindings, and type-checking	4	
• Abstract parse trees	2	2
➢ Stack frames: representation and abstraction. ➢ Intermediate code generation and representation		2
• Stack frames representation	2	
• Stack frames abstraction	4	2
• Intermediate code representation trees	2	2
• Intermediate code translation components	2	
➢ Basic blocks and traces: canonical trees and conditional branches.	2	2
• Canonical tree		
• Conditional Branches	2	4
➢ Instruction selection: algorithms for selection, RISC and CISC.	2	
➢ Liveness analysis: solution of dataflow equations.	6	4
➢ Register allocation: coloring by simplification, coalescing.	3	2
Total hours	45	30

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: weekly laboratory lessons

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee: Dr. Khaled Morsy -Dr. Abdel Menam Fouda

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

Course coordinator Dr. Khaled Morsy -Dr. Abdel Menam Fouda

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 524: Computer Modeling and Simulation

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

3- Year/Level of program: Level FOUR

4- Unit hours 2

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

5- Names of lecturers contributing to the delivery of the course: Dr. AbdElmoneim Fouda -

6- Course coordinator Dr. AbdElmoneim Fouda

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

B- Statistical Information:

	FALL
No. of students attending the course	**No. 19…100…%**
No. of students completing the course	**No. 19 100%**

	FALL	
	No.	**%**
Passed	**19**	**100**
Failed	**0**	**0**

	FALL	
Grads.	**No.**	**%**
+A	**--**	**--**
A	**1**	**5**
-A	**2**	**10**
+B	**3**	**16**
B	**4**	**21**
+C	**5**	**26**
C	**1**	**5**
+D	**2**	**10**
D	**0**	**0**
-D	**1**	**5**
F	**0**	**0**

C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours
➢ **Basic concepts and terminologies of systems , models, and simulation:** -fundamentals of a systems and their terminologies --fundamentals of models and simulation and their terminologies -Advantages and disadvantages of simulation	 1 1 1	3
➢ **Review of basic probabilities, Statistics and distribution theory :** -Set theory, Conditional probability ,compound events and , independent events -Discrete and Continuous distributions -Function of a random variable - Estimation of Means, Variance And Correlation.	 1 1 1 1	4
➢ Mont Carlo simulation -Case Study	2	2
➢ Selecting appropriate Probability Distributions specifying a physical phenomena-Case study	2	2
➢ **Introduction to Queuing Theory**, and Simulation of Single – Server Queuing System-case study	4	4
➢ Building Valid and Credible Simulation Models	2	2
➢ Sensitivity Analysis, Inspection Approach, Confidence Interval Approach Based on Independent Data Testing , Null Hypothesis, Paired t Approach, case study .	4	4
➢ Random Number Generators, Mid Square Method, -case study	4	4
➢ Linear Congruent Generators (LCG), Mixed Generator, Multiplicative Generator	2	2
➢ Seminar	2	2
Total hours	30	30

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: weekly laboratory lessons

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination 70 %

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

Members of examination committee: Dr. Abdel Menam Fouda

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

Course coordinator -Dr. Abdel Menam Fouda

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 562: Project-2

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

3- Year/Level of program: Level FOUR

4- Unit hours 2

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

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

6- Course coordinator Department Stuff

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

B- Statistical Information:

	FALL
No. of students attending the course	**No. 19…100…%**
No. of students completing the course	**No. 19 100%**

	FALL	
	No.	**%**
Passed	**19**	**100**
Failed	**0**	**0**

	FALL	
Grads.	**No.**	**%**
+A	**15**	**79**
A	**4**	**21**
-A		
+B		
B		
+C		
C		
+D		
D		
-D		
F		

C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours
➢ The students propose their project idea or undertake a dedicated one by the supervisor.	1	1	
➢ Planning and scheduling the project activities.	2	1	
➢ Designing of subunits and/or subprograms.	2	2	8
➢ Implementation of subunits and/or subprograms.	1	2	9
➢ Testing of subunits and/or subprograms.	1	2	8
➢ Collection among subunits and/or subprograms to perform application system project.	2	2	10
➢ Testing the whole project functions.	2	2	8
➢ Make final technical report documentation.	2	2	9
➢ Preparing for project presentation.	2	2	8
Total hours	15	15	90

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: weekly laboratory lessons
Seminar/Workshop: None

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

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

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

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

Members of examination committee: Department Stuff

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

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

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

9- Action plan for academic year 2017– 2018

Course coordinator - Department Stuff

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 521: Distributed Computer systems

2- Program(s) on which this course is given: Computer Engineering and Information Technology Department
3- Year/Level of program: Level FOUR
4- Unit hours 2
Lectures 2hrs Tutorial 2 hrs Practical -hrs Total 3hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Dr.Wafae Boghdady
6- Course coordinator Prof. Dr.Wafae Boghdady
7- External evaluator: Prof. Moh. Abo Zahhad Abo Zaid

B- Statistical Information:

	FALL
No. of students attending the course	**No. 18…100…%**
No. of students completing the course	**No. 18 100%**

	FALL	
	No.	**%**
Passed	**18**	**100**
Failed	**0**	**0**

	FALL	
Grads.	**No.**	**%**
+A	**1**	**6**
A	**2**	**12**
-A	**4**	**22**
+B	**5**	**28**
B	**1**	**6**
+C	**3**	**17**
C	**1**	**6**
+D	**1**	**6**
D	**0**	**0**
-D	**0**	**0**
F	**0**	**0**

C- Professional Information:

1- Course Teaching:

	Topic	Lecture hours	Tutorial hours
1	➢ Distributed Systems definitions and technologies	4	4
2	➢ DPS Architectures and models	4	4
3	➢ Inter-process communication	4	4
4	➢ Distributed file storage	8	8
5	➢ Timing issues, co-ordination, concurrency control and transactions	6	6
6	➢ Security and fault-tolerance	4	4
Total hours		30	30

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: weekly laboratory lessons

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

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

Members of examination committee: Prof. Dr.Wafae Boghdady

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course:
List any criticisms

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

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

9- Action plan for academic year 2017– 2018

Course coordinator - Prof. Dr.Wafae Boghdady
Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 522: Artificial Intelligence

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

3- Year/Level of program: Level FOUR

4- Unit hours 2

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

5- Names of lecturers contributing to the delivery of the course: Dr. Sabry. M Abdul-Moetty

6- Course coordinator Dr. Sabry. M Abdul-Moetty

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

B- Statistical Information:

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

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

	FALL	
Grads.	**No.**	**%**
+A	**1**	**5**
A	**1**	**5**
-A	**4**	**20**
+B	**3**	**15**
B	**3**	**15**
+C	**4**	**20**
C	**1**	**5**
+D	**1**	**5**
D	**1**	**5**
-D	**1**	**5**
F	**0**	**0**

C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours
➢ Artificial intelligent Concepts.	3	2
➢ Fundamentals of neural network	3	2
➢ Learning algorithms used in neural network training, Different practical applications using neural network (logic gates).	3	2
➢ Solving problems using searching techniques	3	2
➢ Non-heuristic techniques, Depth first, breadth first search, uniform cost search.	3	2
➢ Non-heuristic techniques, depth limited search, iterative deepening depth first search, bi-directional search, comparing searching techniques.	4	4
➢ Heuristic techniques, Greedy best first search, memory bounded heuristic search.	3	2
➢ Heuristic techniques, recursive best first search, learning to search better, Heuristic functions.	4	2
➢ Expert system architecture.	3	2
➢ Expert system, non-production system architecture.	4	2
➢ Semantic network basics and components.	3	2
➢ Semantic network and optimal search.	3	2
➢ Machine learning, frame work for symbol based learning, version space search.	3	2
➢ Elimination algorithm, decision tree (induction algorithm).	3	2
Total hours	45	30

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: weekly laboratory lessons

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

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

Members of examination committee Dr. Sabry. M Abdul-Moetty

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

Course coordinator Dr. Sabry. M Abdul-Moetty

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 432: Digital Image Processing

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

3- Year/Level of program: Level FOUR

4- Unit hours 2

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

5- Names of lecturers contributing to the delivery of the course: Dr. Sabry. M Abdul-Moetty-

6- Course coordinator Dr. Sabry. M Abdul-Moetty

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

B- Statistical Information:

	FALL
No. of students attending the course	**No. 19…100…%**
No. of students completing the course	**No. 219 100%**

	FALL	
	No.	**%**
Passed	**19**	**100**
Failed	**0**	**0**

	FALL	
Grads.	**No.**	**%**
+A	**1**	**5**
A	**0**	**0**
-A	**2**	**11**
+B	**4**	**21**
B	**3**	**16**
+C	**3**	**16**
C	**3**	**16**
+D	**1**	**5**
D	**2**	**11**
-D	**0**	**0**
F	**0**	**0**

C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours
➢ Image , Digital image and image processing based systems	2	1	2
➢ Sampling and quantization	2	1	2
➢ Understanding Statistics on image matrix and image histogram.	2	1	2
➢ Images enhancement: Contrast stretching and histogram equalization.	2	1	2
➢ Spatial domain filters	4	2	4
• Median filter			
• Average, Kuharwa			
• Weighted Average, Circular, Cone	2	1	2
➢ Frequency domain	6	4	6
• Transformations Fourier and DCT			
• Low pass filters in frequency domain			
• High pass filters in frequency domain			
• Inverse transform, Power and phase of frequency components			
➢ Image Encoding and compression	4	2	4
• Hoffman, Shannon Fanon encoding			
• Vector quantization, Fractal, and Run length,			
➢ Image segmentation techniques	2	1	2
➢ Morphology, features extraction, boundary description, and distance metrics.	4	1	4
Total hours	30	15	30

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: weekly laboratory lessons

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

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

Members of examination committee Dr. Sabry. M Abdul-Moetty

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

Course coordinator Dr. Sabry. M Abdul-Moetty

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: Digital Signal Processing - (ELC 422)

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

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

4- Unit hours 3

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

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

6- Course coordinator: Dr. Samir Kamal

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

B- Statistical Information:

	FALL		SPRING		SUMMER	
No. of students attending the course	No. 151		No. 0		No. 3	
No. of students completing the course	No. 151 ١٠٠%		No. 0 100%		No. 3 100%	
Results						
	FALL		SPRING		SUMMER	
	No.	%	No.	%	No.	%
Passed	150	99.338	0	0	3	100
Failed	1	0.662	0	0	0	0
Grading of students						
	FALL		SPRING		SUMMER	
Grads.	No.	%	No.	%	No.	%
+A	1	0.662			0	0
A	2	1.325			0	0
-A	17	11.258			0	0
+B	25	16.556			0	0
B	35	23.179			0	0
+C	24	15.894			1	33.333
C	15	9.934			1	33.333
+D	8	5.298			1	33.333
D	13	8.609			0	0
-D	10	6.623			0	0
F	1	0.662			0	0

C- Professional Information:

1 – Course teaching:

Topic	Lecture hours	Tutorial hours	Practical hours	Lecturer
• Signal, system and signal processing	2	1	2	Dr. Samir Kamal
• Classification of signals	2	-	2	
• The concept of frequency in continuous-time and discrete-time signals	2	-	2	
• Analog-to-digital and digital-to-analog conversion	2	-	2	
• Fourier series (FS) and Fourier Transform (FT)	2	1	2	
• Discrete Fourier Transform (DFT) and its inverse	3	4	4	
• Computational complexity of the DFT	4	4	2	
• Auto-correlation, Cross-correlation, and	4	6	4	
• Z- transform and its inverse	6	4	-	
• Properties of the Z-transform	4	-	-	
• Application of Z-transform in DSP	4	4	-	
• Design of the digital filters	-	6	2	
• Types of the digital filters and choosing between	2	-	-	
• FIR filter design	4	-	4	
• IIF filter design	4	-	4	
Total	**45**	**15**	**30**	

Percentage of the content specified:

>90 % √ **70-90 %** - **<70%** 100%

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board and computer supported learning

Practical training/ laboratory: DSP Lab.

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: weekly assignments

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

None

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

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

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

Role of external evaluator: None

4- Facilities and teaching materials:

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:

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

7- Comments from external evaluator(s):

External evaluator: None.

8- Course enhancement:

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

9- Action plan for academic year 201٧ – 201٨

Actions required	Completion date	Person responsible
None	None	None

Course coordinator: Dr. Samir Kamal

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 565: Project-2

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

3- Year/Level of program: Level FOUR

4- Unit hours 2

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

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

6- Course coordinator Department Stuff

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

B- Statistical Information:

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

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

	FALL	
Grads.	**No.**	**%**
+A	**12**	**60**
A	**4**	**20**
-A	**1**	**5**
+B	**3**	**15**
B		
+C		
C		
+D		
D		
-D		
F		

C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours	Practical hours
➢ The students propose their project idea or undertake a dedicated one by the supervisor.	1	1	
➢ Planning and scheduling the project activities.	2	1	
➢ Designing of subunits and/or subprograms.	2	2	8
➢ Implementation of subunits and/or subprograms.	1	2	9
➢ Testing of subunits and/or subprograms.	1	2	8
➢ Collection among subunits and/or subprograms to perform application system project.	2	2	10
➢ Testing the whole project functions.	2	2	8
➢ Make final technical report documentation.	2	2	9
➢ Preparing for project presentation.	2	2	8
Total hours	15	15	90

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board
Practical training/ laboratory: weekly laboratory lessons
Seminar/Workshop: None

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

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

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

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

Members of examination committee: Department Stuff

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

Course coordinator - Department Stuff

Date: November 2017

Annual Course Report
(Academic Year 2016-2017)

A- Basic Information:

1- Title and code: CMP 538: Pattern Recognition and Neural Networks

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

3- Year/Level of program: Level FOUR

4- Unit hours 2

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

5- Names of lecturers contributing to the delivery of the course: Dr. AbdElmoneim Fouda -

6- Course coordinator Dr. AbdElmoneim Fouda Dr. Sabry. M Abdul-Moetty

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

B- Statistical Information:

	FALL
No. of students attending the course	**No. 18…100…%**
No. of students completing the course	**No. 18 100%**

	FALL	
	No.	**%**
Passed	**18**	**100**
Failed	**0**	**0**

	FALL	
Grads.	**No.**	**%**
+A	**0**	**0**
A	**0**	**0**
-A	**2**	**11**
+B	**2**	**11**
B	**2**	**11**
+C	**2**	**11**
C	**4**	**22**
+D	**1**	**6**
D	**4**	**22**
-D	**1**	**5**
F	**0**	**0**

C- Professional Information:

1- Course Teaching:

Topic	Lecture hours	Tutorial hours
➢ Analogy between human brain cell and artificial neuron	1	
➢ ANN system : Preliminaries	1	
➢ Fundamentals , basic concepts and definitions of pattern recognition and artificial neural net	2	3
➢ Neuron Models. – Mclluph-Pitts model	2	4
➢ ANN architectures	2	4
➢ Single layer perceptron classifier	2	2
➢ Multilayer feed forward networks	2	2
➢ ANN learning and training	2	4
➢ principles of Back propagation algorithm	4	2
➢ Associative memories	4	4
➢ Matching and self organizing networks	3	2
➢ Pattern recognition using neural networks	4	2
➢ Seminars	1	1
Total hours	30	30

Percentage of the content specified:

>90 % √ **70-90 %** √ **<70%** -

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

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board

Practical training/ laboratory: weekly laboratory lessons

Seminar/Workshop: None

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

None

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

Written examination	70 %
Practical examination	0%
Other assignments/class work	20%

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

Members of examination committee Dr. AbdElmoneim Fouda

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

List any criticisms

7- Comments from external evaluator(s):

External evaluator: None

8- Course enhancement:

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

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

9- Action plan for academic year 2017– 2018

Course coordinator Dr. AbdElmoneim Fouda

Date: November 2017