

COMPUTER ENGINEERING AND INFORMATION TECHNOLOGY B.SC.

ANNUAL PROGRAM REPORT

2014 – 2015 By-Law 2000

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Program Report

November 2015

1. General

1.1 Basic Information

- 1- **Program title:** Computer Engineering and Information Technology
- 2- **Program type:** Single.
- 3- **Department offering the program:** Computer Engineering and Information Technology Dept.
- 4- **Co-coordinator:** Prof. Dr. Said Gawish
- 5- **External evaluators:**
Prof. Aly Aly Fahmy, Ex Dean, Faculty of Computer and Information, Cairo University
Prof. Mohammed Fahmy Tolba, Professor, Faculty of Computer and Information, Ain Shams University
- 6- **Year of operation:** 2001-2002

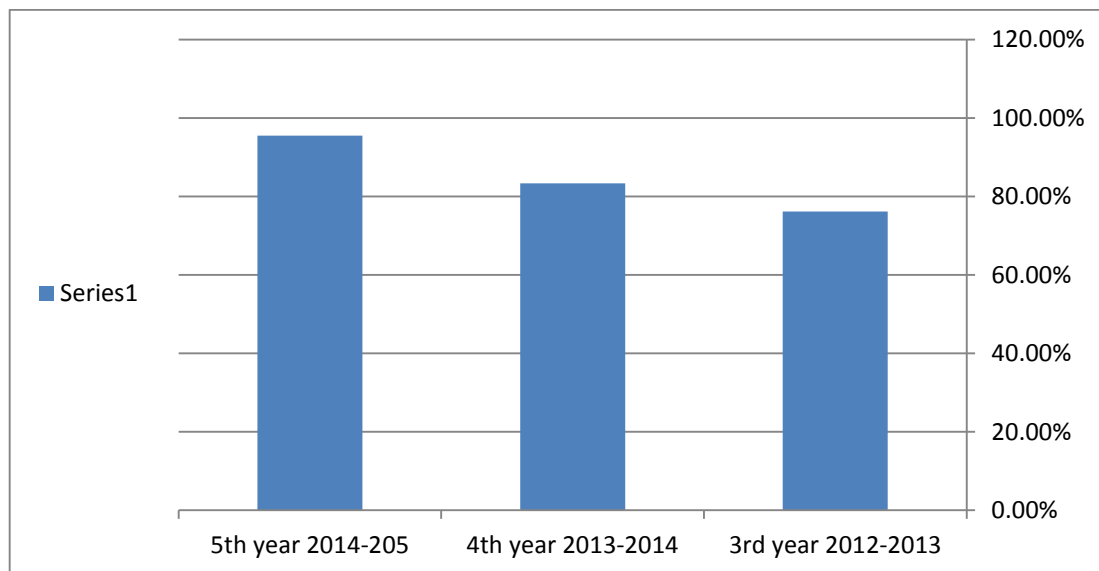
2. Professional Information

2.1 Statistics

1. No. of students starting the program at 2014-2015: 55 (students accepted in the Academy the academic year 2009-2010 were 1309 students with a ratio 5%)
2. No. and percentage of students passing in each year/level/semester for the students graduated in 2015

Table (1): Number and percentage of students passing in each year/level/semester

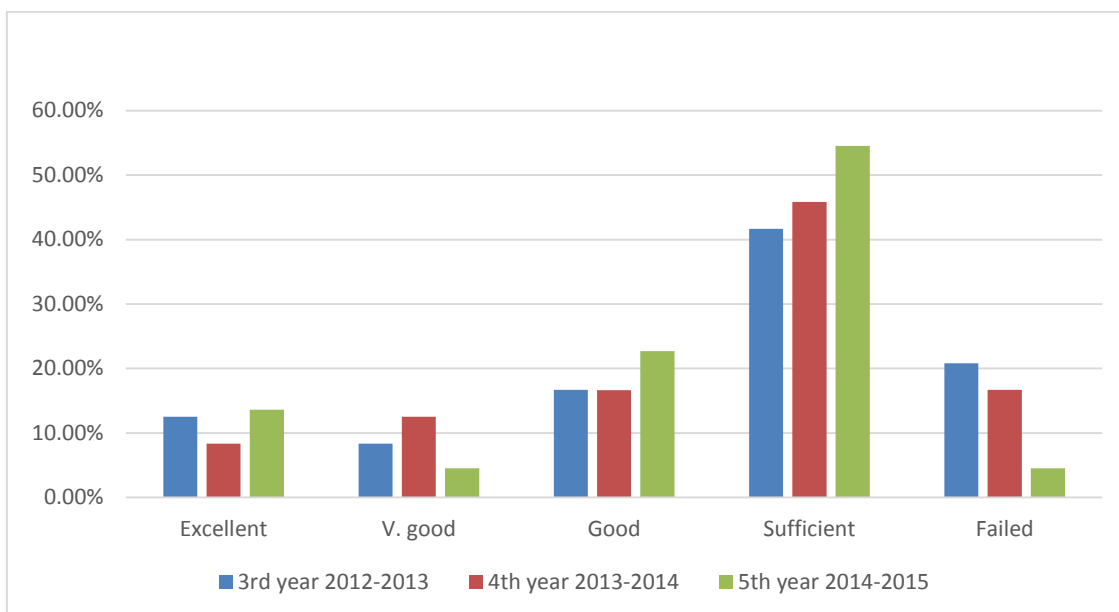
Year		Number of students	No of passing Students	Percentage of passing students
Third	2012-2013	21	16	76.2%
Fourth	2013-2014	24	20	83.3%
Fifth	2014-2015	22	21	95.5%



3. Grading: No. and percentage in each grade

Table (2): No. and percentage of students passing in each grade

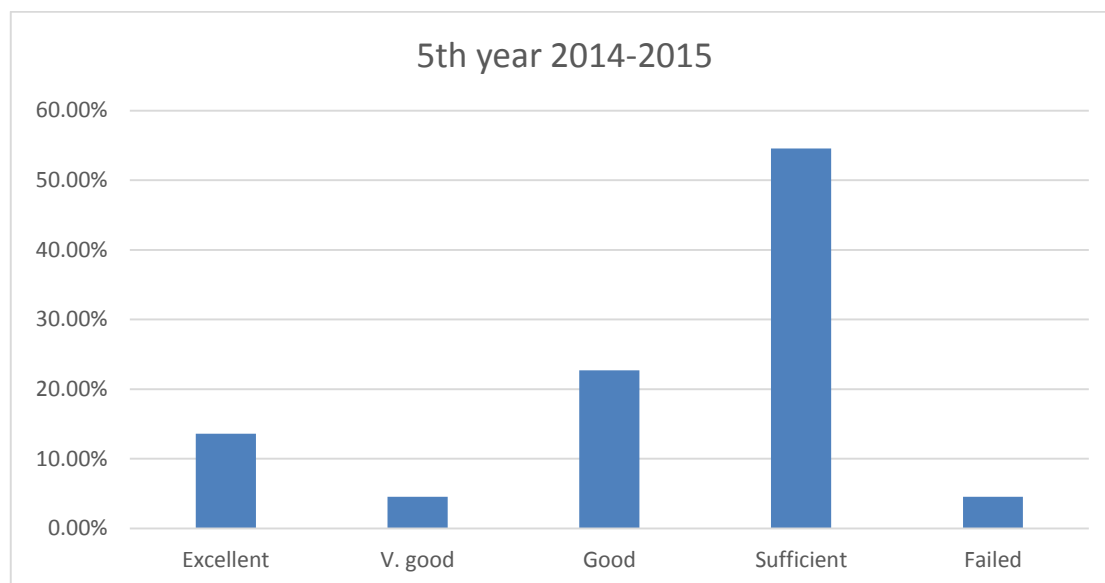
Year	No. of Students	Excellent	V. good	Good	Suff.	Failed	Pass with subjects
3 rd year 2012-2013	24	3	2	4	1	5	9
%	100%	12.5%	8.33%	16.67%	4.17%	20.83%	37.5%
4 th year 2013-2014	24	2	3	4	2	4	9
%	100%	8.33 %	12.5 %	16.66 %	8.33 %	16.67 %	3.75 %
5 th year 2014-2015	22	3	1	5	8	1	4
%	100%	13.63%	4.54%	22.72%	36.36%	4.54%	18.18%



Academic year	Number	Percentage
students joining the program on Sept 2012	24	100%
students completing the program at May 2015	17	71%
students completing the program at Nov 2015	5	21%
Total Number of students completing the program at 2015	22	92%

Table (3): No. and percentage of students passing in each grade -5th year

Year	Excellent		V. good		Good		Sufficient		Failed	
	No.	%	No.	%	No.	%	No.	%	No.	%
5 th year 2014-2015	3	13.63%	1	4.54%	5	22.72%	12	54.55%	1	4.54%



6-First destinations of graduates:

i. Proceeded to appropriate employment %	Not available
ii Proceeded to other employment %	Not available
iii Undertaken postgraduate study %	Not available
iv. Engaged in other types of activity %	Not available
v. Unknown first destination %	Not available

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
B211	Mathematics (3)	A1,A5	B1,B2,B7	C1,C12	D3,D7
E201	Electric circuit Analysis (1)	A1, A2, A3, A4, A5, A6,A8,A15	B1, B2,B4, B5, B6, B7	C1,C3,C5,C6,C9, C10,C11	D1, D2, D3,D6,D7, D9
B221	Physics (3)	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
A60	Civil Engineering technology	A3,A4,A7,A8	B1,B2,9	C1,C2,C3.C5,C7	D6
E210	Computer programming (1)	A1,A2,A4,A5,A13,A15,A16,A18	B1,B2,B3,B6,B8,B13, B14,B16,B17	C6,C14,C15,C18	D1,D3,D4,D7
E220	Instrumentation and Testing (1)	A1, A4, A14, A15	B1,B3,B5,B6,B7,B9,B10,B11,B13, B14	C2,C3,C5,C15,C16, C17,C18,C20	D1,D3,D6,D8, D9
B200	English (3)	A9,A10	B4	C11,C12	D1,D2,D3,D4,D6,D7,D8
E212	Digital Logic Circuits	A1, A2, A3, A5, A14	B1,B2,B3,B4,B8,B12, B14	C1,C2,C3,C5,C6	D3,D4,D5,D6,D7,D9
B212	Mathematics (4)	A1,A2,A5	B1,B2,B3,B7	C1,C12	D3,D7
E202	Electric circuit Analysis (2)	A1, A2, A3, A4, A5, A6	B1, B2, B3, B4, B5, B6, B7	C1,C2	D1, D2, D3, D7, D9
E240	Data Structure	A1,A2,A3,A4,A5,A9,A12, A16,A18	B1,B2,B4,B8,B12, B14,B17,B18	C1,C2,C3,C5,C6	D1,D2,D3,D4,D6,D7
M051	Mechanical Engineering Tech.	A1,A3,A4,A5	B1,B2,B3,B4,B5,B6,B7,B12	C1,C2,C5,C6,C12	D1,D2,D3,D7,D9
B222	Physics (4)	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
E213	Computer programming (2)	A1,A2,A4,A13,A15,A16, A18	B1,B2,B3,B6,B16, B17	C6,C14,C15,C18	D1,D3,D4,D7
B202	History of Science and Tech.	A1,A5,A8,A9,A11,A14	B1,B2,B6,B7	C1,C5	D1,D7,D8
E221	Instrumentation and Testing (2)	A1, A4, A14, A15	B1,B3,B5,B6,B7,B9 ,B10,B11,B13, B14	C2,C3,C5,C15,C16, C17,C18, C20	D1,D3,D6,D8, D9

3rd year computer

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General & Transferable Skills
		A	B	C	D
B311	Mathematics (5)	A1,A3,A5	B1,B2,B3,B4,B7	C1,C12	D1,D3,D7
E301	Microelectronics (1)	A3, A4 , A8 , A13	B2 , B5 , B7	C2,C3	D3, D5 , D6 ,D7
E361	Operating Systems (1)	A1,A3,A4,A5,A8,A13, A14,A15,A18	B1,B2,B5,B9,B11	C1,C3,C10,C12,C14,C15	D2,D3,D6
E321	Digital Circuits Design	A2,A4	B2,B3	C2,C3	D3,D5,D6,D7
E333	Database Management	A1,A3,A4,A5,A14,A15, A18	B1,B4,B5,B8,B11, B13,B19	C1,C2,C5,C6,C11, C14,C15,C17,C18, C19	D2,D3,D4,D7
B300	English (4)	A9,A10	B4	C11,C12	D1,D2,D3,D4,D6, D7,D8
E330	Engineering Computer Applic (1)	A1,A2,A5,A12,A13,A16	B1,B2,B3,B5,B7,B13,B14,B17,B18	C1,C2,C3,C4,C5,C6,C7,C14,C15	D1,D3,D4,D5,D7, D9
E302	Microelectronics (2)	A1, A3,A4,A15	B2,B3,B5	C1,C7,C15,C18	D2,D3,D6,D7,D9
E303	Digital Signal Processing	A2, A5, A8, A10	B1, B3, B7, B11, B14, B15	C2, C5, C6, C12, C14,C15	D3, D4,D7
E351	Control Engineering (1)	A1, A4, A5, A16	B1, B2, B3, B7	C1, C2, C3, C5, C12, C13, C15	D1, D3, D7, D9
M360	Industrial Psychology	A9,A11	B4,B9	C1,C2,C9	D5,D6
E331	Engineering Computer Applic (2)	A1,A2,A3,A4,A5,A12, A13,A15	B1,B2,B3,B4,B5,B6, B7,B8,B9	C1,C2,C3,C4,C5,C6,C13,C14,C15	D1,D3,D4,D5,D7, D9
E362	Electrical Machines & Power	A1,A4,A5,A7,A8,A12	B2,B3,B5,B6,B7,B9,B11,B13	C1,C4,C5,C8	D2,D3,D6,D7
E399	Project	A1,A3,A4,A5,A6,A7,A8,A9 ,A10,A11,A12,A13, A14,A15,A16,A17	B1,B2,B3,B4,B5,B10,B11,B12,B13,B16	C1,C2,C5,C6,C9, C10,C11,C12,C16	D1,D2,D3,D5,D6, D7,D8,D9

4th year computer

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General & Transferable Skills
		A	B	C	D
B411	Mathematics (6)	A1,A5	B1,B2,B3,B11	C1,C4	D3,D4,D7
E414	Computer Architecture (1)	A1,A2,A3,A4,A5,A8,A10,A13,A15	B1,B2,B3,B4,B5,B6,B7,B12,B13,B17	C1,C2,C3,C4,C6,C13,C14,C15	D1,D3,D4,D5,D6,D7,D9
E421	Microprocessor Based Systems (1)	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
B401	Environmental Science and Technology	A9,A10	B4,B9,B12	C1	D1,D3,D7,D9
E461	Operating Systems (2)	A1,A2,A3,A4,A5,A8,A14,A15,A17	B4,B5,B9,B13,B17	C1,C3,C4,C5,C6,C13,C15	D1,D2,D3,D4,D7,D8,D9
E451	Digital Image Processing	A1,A2,A3,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
E412	Information Systems	A1,A2,A3,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
E460	Software Engineering	A1,A3,A4,A6,A7,A8,A12,A13,A15,A18	B1,B2,B4,B5,B7,B9,B14,B17	C1,C2,C4,C6,C9,C10,C11,C12,C13,C14	D1,D3,D4,D6,D7,D8,D9
E422	Microprocessor Based Systems (2)	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
E432	Electronic Measurements	A5,A10,A15	B2,B3,B12	C3,C12,C15,C20	D4,D6,D7
E462	Computer Graphics	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
B412	International Business Management	A4,A5,A7,A8,A10,A12	B7	C2,C6,C8,C9	D1,D2,D3,D7,D8,D9
E400	Summer Training	A5,A6,A7,A13,A14,A15,A16,A17	B1,B2,B3,B4,B6,B7,B8,B10,B11,B12,B13,B14,B17	C1,C2,C5,C7,C8,C9,C10,C11,C13,C14,C16	D1,D2,D3,D4,D6,D7,D8,D9

5th year computer

Code	Course Name	Knowledge & Understanding	Intellectual Skills	Practical & Professional Skills	General & Transferable Skills
		A	B	C	D
M561	Engineering Economics	A1,A2,A5,A7,	B1,B2,B7,B8	C1,C5,C6,C7,C9	D1,D2,D3,D7,D9
E512	Computer Architecture (2)	A1,A3,A4,A12,A13,A15	B2,B3,B4,B6,B7,B15	C1,C3,C4,C9,C11	D1,D3,D4,D5,D6,D7
E515	Advanced Computer Systems	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
E521	Distributed Computer Systems	A2,A3,A5,A8,A12,A13,A14,A15,A17	B2,B3,B4,B5,B6,B13,B14,B17,B21	C1,C2,C3,C5,C6,C14,C16,C17	D1,D3,D4,D5,D6,D7,D9
E530	Data Transmission & Computer Networks	A1,A2,A3,A5,A6,A8,A12,A15,A17,A19,A20	B1,B4,B5,B7,B14,B17,B21	C1,C2,C3,C5,C6,C10,C11,C19	D1,D3,D4,D5,D6,D7,D9
E538c	Neural Networks	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
B 512	Laws and Regulations for Engineers	A5,A6,A9,A10,A11	B3,B4,B9,B12	C1,C5	D1,D3,D7,D9
E 504	Artificial Intelligence	A1,A3,A5,A13,A14,A15	B2,B3,B4,B14,B16	C3,C11,C12,C13,C14	D1,D3,D4,D7,D9
E 531	Data Transmission & Computer Networks(2)	A1,A2,A3,A4,A6,A8,A15,A17,A19,A20	B1,B4,B5,B21	C1,C2,C3,C4,C8,C13,C16,C19	D4,D6,D7,D8,D9
E 534	Computer performance	A1,A2,A3,A8,A9,A12,A13,A14,A15,A16	B1,B2,B3,B5,B6,B8,B11,B12,B13,B14,B18,B19,B21	C1,C2,C3,C4,C5,C6,C13,C14,C15,C19,C20	D1,D3,D4,D5,D7,D9
E 538b	Modling and simulation	A1,A2,A3,A4,A5,A13	B1,B2,B3,B7,B8	C1,C2,C5,C6,C7	D1,D3,D4,D5,D7,D9
E 599	Project	A4,A5,A6,A8,A14	B2,B3,B5,B7,B9,B10,B11,B12,B13,B15	C1,C2,C3,C7,C8,C9,C10,C11,C13,C14,C15	D1,D3,D7

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

The table depicts Computer Engineering and Information Technology courses

Year	Term	Code	Title
First Year	First Term	B111	Mathematics (1)
		B131	Physics (1)
		B141	Chemistry
		B121	Mechanics (1)
		M160	Production Eng.(1) Workshop
		E111	Intro. to Computers (1)
		M150	Engineering Drawing (1)
		B101	English Language (1)
	Second Term	B112	Mathematics (2)
		B132	Physics (2)
		B122	Mechanics (2)
		M161	Production Eng.(2) Workshop
		E112	Introduction to Computers 2
		M151	Engineering Drawing 2
		B102	English Language (2)
Second Year	First Term	B211	Mathematics (3)
		E201	Electric circuit Analysis (1)
		B221	Physics (3)
		A60	Civil Engineering technology
		E210	Computer programming (1)
		E220	Instruments & Measurements I
		B200	English III
		E212	Digital Logic Circuits
	Second Term	B212	Mathematics IV
		E202	Electrical Circuits Analysis II
		E240	Data Structures
		M051	Tech of mechanical Engineering
		B222	Physics IV
		E213	Computer Programming II
		B202	History of Science
		E221	Instruments & Measurements II

Third Year	First Term	B 311	Mathematics (5)
		E 301	Microelectronics (1)
		E 361	Operating Systems (1)
		E 321	Digital Circuits Design
		E 333	Database Management
		B 300	English (4)
		E 330	Engineering Comp. Application(1)
	Second Term	E 302	Microelectronics (2)
		E 303	Digital Signal Processing
		E 351	Control Engineering (1)
		M360	Industrial Psychology
		E 331	Engineering Comp. Application(2)
		E 362	Electrical Machines & Power
		E 399	Project
Fourth Year	First Term	B 411	Mathematics (6)
		E 414	Computer Architecture (1)
		E 421	Microprocessor Based Systems (1)
		B 401	Environmental Science and Technology
		E 461	Operating Systems (2)
		E 451	Digital Image Processing
	Second Term	E 412	Information Systems
		E 460	Software Engineering
		E 422	Microprocessor Based Systems (2)
		E 432	Electronic Measurements
		E 462	Computer Graphics
		B 412	International Business Management
		E 400	Summer Training
Fifth Year	First Term	M 561	Engineering Economics
		E 512	Computer Architecture (2)
		E 515	Advanced Computer Systems
		E 521	Distributed Computer Systems
		E 530	Data Transmission & Com. Networks (1)
		E 538c	Elective Course(Nural Network)
	Second Term	B 512	Laws and Regulations for Eng.
		E 504	Artificial Intelligence
		E 531	Data Transmission & Computer Networks(2)
		E 534	Computer performance
		E 538b	Elective Course(Modeling and simulation)
		E 599	Project

مواد قسم هندسة الحاسبات

Course Title	Course Code
Introduction to Computers (1)	E111
Introduction to Computers (2)	E112
Computer Programming (1)	E210
Computer Programming (2)	E213
Data Structure	E240
Computer Applications (1)	E330
Operating Systems (1)	E361
Digital Signal Processing	E303
Computer Applications (2)	E331
Data Base Systems	E333
Project	E399
Computer Architecture (1)	E414
Microprocessors (1)	E421
Digital Image Processing	E451
Operating Systems (2)	E461
Information Systems	E412
Microprocessor Based System (2)	E422
Software Engineering	E460
Computer Graphics	E462
Computer Architecture (2)	E512
Advanced Computer Systems	E515
Distributed Comp. Systems	E521
Data Transmission & Computer Networks (1)	E530
Elective Course (c)	E538c
Artificial Intelligence	E504
Data transmission & computer networks (2)	E531
Computer Performance Evaluation	E534
Elective 9 Course (B)	E538B
Project	E599

مواد قسم هندسة الاتصالات

Course Title	Course Code
Elect. Circuits Analysis	E201
Digital Logic Circuits	E212
Instrumentation & Measurement (1)	E220
Electric Circuits Analysis(2)	E202
Instrumentation & Measurement (2)	E221
Micro-Electronics	E301
Digital Logic Circuits Design	E321
Control Engineering(1)	E351
Micro Electronics (2)	E302
Signal Processing	E051
Digital Signal Processing	E303
Electronic Measurements	E432

مواد قسم علوم اساسية

Course Title	Course Code
English Language (1)	B101
Mathematics (1)	B111
Mechanics (1)	B121
Physics (1)	B131
Chemistry	B141
English Language (2)	B102
Mathematics (2)	B112
Mechanics (2)	B122
Physics (2)	B132
Descriptive Geometry	B142
English Lang (3)	B200
Mathematics (3)	B211
Physics (3)	B221
History of Science & Technology	B202
Mathematics (4)	B212
Physics (4)	B222

مواد قسم هندسة التصنيع

Course Title	Course Code
Engineering Drawing(1)	M150
Production Eng. (1)	M160
Engineering Drawing (2)	M151
Production Eng. (2) Workshop	M161
Mechanical Eng. Technology	M051
Industrial Psychology	M360
Engineering Economy	M561

مواد قسم هندسة العمارة

Course Title	Course Code
Civil Eng. Technology	A060

Comments of external evaluator and other stakeholders

Comments and replies are stated in the program report of 2014 - 2015

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:

- a) Apply knowledge of mathematics, science and engineering concepts to the solution of engineering problems.
- b) Design a system, component and process to meet the required needs within realistic constraints.
- c) Design and conduct experiments as well as analyze and interpret data.
- d) Identify, formulate and solve fundamental engineering problems.
- e) Use the techniques, skills, and appropriate engineering tools, necessary for engineering practice and project management.
- f) Work effectively within multi-disciplinary teams.
- g) Communicate effectively.
- h) Consider the impacts of engineering solutions on society & environment.
- i) Demonstrate knowledge of contemporary engineering issues.
- j) Display professional and ethical responsibilities; and contextual understanding
- k) Engage in self- and life- long learning.
- l) Demonstrate inductive reasoning abilities, figuring general rules and conclusions about seemingly unrelated events
- m) Use current advanced techniques, skills, and tools necessary for computing practices to specify, design, and implement computer-based systems.
- n) Recognize the information requirements of various business activities on both operational and decision making levels.
- o) Tackling business problems using system analysis tools and techniques.
- p) Managing projects related to computer systems in diverse fields of applications.
- q) Implementing phases of the computer system development life cycle, procurement and installation of hardware, software design, data manipulation and system operations.

These program aims are covered by the achievement of the different educational aims in the courses, which vary according to the educational purpose of the course. We observe total achievement of program aims.

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 centre of the Academy. Its role is to monitor and assure the implementation of the quality measures in the department.

D. Effectiveness of program external evaluation system:

I- External evaluators

The department program is evaluated by two qualified external evaluators.

II- Students

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

III- Other stakeholders

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

E. Faculty response to student and external evaluations

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

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

3. Proposals for program development

A. Program structure (units/credit-hours)

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

B. Courses, deletions and additions and modifications

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

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

C. Staff development requirements

No requirements.

4. Progress of previous year's action plan

Action Identified	Person Responsible	Progress of action
Staff Training	Training Department	Partially done

5. Action plan

Action required	Person Responsible	Completion Date
Complete staff Training	Training Department	September 2015

Program Coordinator: Prof. Dr. Said Gawish

Signature:

APPENDIX 1

ANNUAL COURSE REPORTS

2014 - 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

1- Title and code: Mathematics IV - (B411)

2- Program(s) on which this course is given: Computer Engineering & Information Technology Dpt
Electronic Engineering & Communication Technology Dpt. - Manufacturing Engineering & Production Technology Dpt.

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

4- Unit hours 2

Lectures 2 hrs

Tutorial 2 hrs

Practical - hrs

Total 4 hrs

5- Names of lecturers contributing to the delivery of the course: Prof. Ossama El Gayar

Course coordinator: Prof. Ossama El Gayar

External evaluator:None

B- Statistical Information

No. of students attending the course: No. 28 100%

No. of students completing the course: No. 28 100%

Results:

	No.	%		Grading of successful students:	
Passed	28	100		No.	%
Failed	0	0		Excellent	9 32.1
				Very Good	7 25
				Good	5 17.9
				Pass	7 25

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Least square Approximation – lagrange	3	Prof. Ossama El Gayar
• Newton Interpolation	3	
• Newton – cotes Integration method.1	3	
• Newton – cotes Integration Method-2	3	
• Romberge-Integration method	3	
• Numerical solution of O.D.E	3	
• Runge- Kutta Methods	3	
• Numerical solution of linear equation.	3	
• Numerical solution of nonlinear merge	3	

• Numerical solution of P.D.E	3	
• The probability space-conditional Probability	3	2
• Probability function and distributions	3	2
• Discrete and continuous Distribution	3	2
• Statistical Estimation- correlation factor	3	2
Total hours	45	30

Percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐ 100% ☐

Reasons in detail for not teaching any topic None

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

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

Written examination

Practical examination

Other assignments/class work

Mid-Term Exam

Total **100 %**

Members of examination committee Prof. Ossama El Gayar

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

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 : 2014 – 2015

Actions required Solving new problems

Course coordinator: Prof. Ossama El Gayar

Signature:

Date: August2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- Title and code: Computer Architecture I – (E414)
- 2- Program(s) on which this course is given: 4th year Computer Engineering Dept.
- 3- Year/Level of program: 4th year
- 4- Unit hours
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course
Prof. Dr. Sabry Abd Elmouty
Course coordinator Prof. Dr. Hany Tawfik
External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

26	No.	%	Grading of successful students:			
Passed	24	92.3			No.	%
Failed	2	7.7		Excellent	3	11.5
				Very Good	3	11.5
				Good	6	23.1
				Pass	12	46.2

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Basic Structure of computer	2	Prof. Dr. Sabry Abed Ate
• Addressing modes	4	
• Arithmetic and logic unit	8	
• Memory unit	4	
• Secondary starge	4	
• Computer Architecture	4	
• Operating system sopport	2	
• Programming the Basic computer	2	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="70"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="10"/>
Other assignments/class work	<input type="text" value="10"/>
Mid-Term Exam	<input type="text" value="10"/>
Total	100 %

Members of examination committee

Dr.. Sabry Mohamed abed El moetty

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate Yes

Adequate to some extent Totally

Inadequate



List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building.
- Limitation of number of operation experiments in the laboratory.

6- Student evaluation of the course:

Response of course team

List any criticisms
non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Prof. Dr. Sabry Abd Elmouty

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Microprocessors-Based System- (I- E421)
- 2- **Program(s) on which this course is given:** 4th year Computer Engineering Dept.
- 3- **Year/Level of program:** 4th year
- 4- **Unit hours**
Lectures Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course**
Prof. Dr. Ramadan Mahmoud Mustafa
Course coordinator Prof. Dr. Hany Tawfik
External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	20	74.1			No.	%
Failed	7	25.9		Excellent	2	7.4
				Very Good	3	11.1
				Good	6	22.2
				Pass	9	33.3

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Numbering and coding systems	4	Prof. Dr. Ramadan Mustafa
• Architecture of 8 bit and bit microprocessor	6	
• Intel microprocessor form 8086 to Pentium	6	
• Inside the 8086 / 8088 microprocessor	6	
• Segment register and addresses	8	Prof. Dr. Hany Tawfik
• 80X86 addressing modes	6	
• Programming the 80X86 directives	8	
• The 80X86 instruction	8	
• Methods of address decoding	4	
• Programming input / Output	6	
Total hours	45	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="60"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="20"/>
Other assignments/class work	<input type="text" value="5"/>
Mid-Term Exam	<input type="text" value="15"/>
Total	100 %

Members of examination committee

Prof. Dr. Ramadan Mahmoud Mustafa
Prof. Dr. Hany Tawfik

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate ☐ Yes

Adequate to some extent ☐ None

Inadequate ☐

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building
- Limitation of number of operation experiments in the laboratory

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Prof. Dr. Ramadan Mahmoud Mustafa

Prof. Dr. Hany Tawfik

Signature: Prof. Dr. Said A. Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Environmental science and Technology – (B401)
 2- **Program(s) on which this course is given:** Comm. Dept and Comp Dept.
 3- **Year/Level of program:** 4th Year
 4- **Unit hours**

Lectures Tutorial Practical Total

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

Dr. A. M. Aboutaleb Prof. Dr. S. Guoda
 Course coordinator Dr. A. M. Aboutaleb
 External evaluator Non

B- Statistical Information

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

Results:

	No.	%		Grading of successful students:	
Passed	28	100		No.	%
Failed	0	0		Excellent	17 60.7
				Very Good	6 21.4
				Good	1 3.6
				Pass	4 14.3

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Population Growth and the Environment	5	Prof. Dr. S. R. Gouda
• Energy	7	
• Technology Transfer	6	
• Air Pollution	8	
• Water Pollution	4	
• Noise Pollution	6	
• Environmental Impact Assessment and the Egypt law No.4 of 1994 on the Environment.	6	
• Final Revision	3	
Total hours	45	

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

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board and computer supported learning

Practical training/ laboratory: None

Seminar/Workshop: Seminar

Class activity:

Discussion Environmental Problem & some Assignments

Case Study: Selected case studies

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:

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

Members of examination committee

Dr. A. M. Aboutaleb

Dr. S.Gouda

Role of external evaluator

None

4- Facilities and teaching materials:

Totally adequate .Yes.

Adequate to some extent 100%

Inadequate -

List any inadequacies

Non

5- Administrative constraints

List any difficulties encountered

Non

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014– 2015

Actions required Solving new problems

Course coordinator: Prof. Dr. Aboutaleb

Signature:

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- Title and code: Operating Systems (2) – (E461)
 2- Program(s) on which this course is given: 4th year Computer Dept.
 3- Year/Level of program: 4th year
 4- Unit hours
 Lectures Tutorial Practical Total
 5- Names of lecturers contributing to the delivery of the course
 Assoc. Dr.Khalid Morsy
 External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	17	63			No.	%
Failed	10	37		Excellent	2	7.4
				Very Good	5	18.5
				Good	2	7.4
				Pass	8	29.6

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Processes, Threads and Multithreading	6	
• System Calls and Interrupts	6	
• Inter-process Communication	6	
• Software Concepts	6	
• System Security	6	
• Flynn 's classical Taxonomy	6	
• Multiprocessor Synchronization	6	
• Clock synchronization	6	
• Mutual exclusion algorithms	6	
• Process & processor in distributed systems	6	
Total hours	60	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="90"/>
Oral examination	<input type="text" value="10"/>
Practical/laboratory work	<input type="text" value="20"/>
Other assignments/class work	<input type="text" value="10"/>
Mid-Term Exam	<input type="text" value="20"/>
Total	100 %

Members of examination committee

Dr. Khalid Morsy

Dr.

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate	<input type="checkbox"/> Yes
Adequate to some extent	<input type="checkbox"/> Totally
Inadequate	<input type="checkbox"/>
List any inadequacies	

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building.
- Limitation of number of operation experiments in the laboratory.

6- Student evaluation of the course:	Response of course team
List any criticisms	
non	

7- Comments from external evaluator(s):	Response of course team
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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 non-completion	None
---	------

9- Action plan for academic year 2014 – 2015

Actions required	More assignments and virtual laboratory experiments supplied with a final project will be added to the course.
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Course coordinator: Dr. Khalid Morsy

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Digital Image Processing - (E451)
 2- **Program(s) on which this course is given:** 4th year Computer Engineering Dept.
 3- **Year/Level of program:** 4th year
 4- **Unit hours**
 Lectures Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**

Course coordinator Prof. Dr. Abdellatif Hussien Abouali
 External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	26	96.3			No.	%
Failed	1	3.7		Excellent	3	11.1
				Very Good	6	22.2
				Good	5	18.5
				Pass	12	44.4

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Digitization of an Image	4	
• Digital image processing based sys overview	4	
• Basic operation on image element	8	
• Image transformation and basic operation	6	
• Image enhancement technique	12	
• Image segmentation	8	
• Image encoding	12	
• Color Image Processing	6	
Total hours	60	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
----------------------	---------------------

Written examination	<input type="text" value="50"/>
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Oral examination	<input type="text" value="----"/>
------------------	-----------------------------------

Practical/laboratory work	<input type="text" value="15"/>
---------------------------	---------------------------------

Other assignments/class work	<input type="text" value="15"/>
------------------------------	---------------------------------

Mid-Term Exam	<input type="text" value="20"/>
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Total	100 %
-------	-------

Members of examination committee	Dr. Abd El Monaem Foda
----------------------------------	------------------------

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate	Yes
------------------	-----

Adequate to some extent	Totally
-------------------------	---------

Inadequate	None
------------	------

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building.
- Limitation of number of operation experiments in the laboratory.

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

List any criticisms Non

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

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:

Multimedia package are required for developing more practical training about image processing.

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

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

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator:

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Information Systems – (E412)
 2- **Program(s) on which this course is given:** 4th year Computer Engineering Dept.
 3- **Year/Level of program:** 4th year
 4- **Unit hours**
 Lectures Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**
 Dr. Khalid Morsy
 Course coordinator Prof. Dr.
 External evaluator

B- Statistical Information

No. of students attending the course: No. 100%

No. of students completing the course: No. 92.86%

Results:

	No.	%		Grading of successful students:		
Passed	24	92.3			No.	%
Failed	2	7.7		Excellent	3	11.5
				Very Good	3	11.5
				Good	5	19.2
				Pass	13	50

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
Types of Computer Systems		
Types of Information Systems	7	
Introduction to Management and organizations		
Today Management current trends and issues.	7	
Organizational culture and Environment: Constraints.	7	
System Development methodology	5	
International Business an overview	5	
Strategic Management	3	
Project management and planning techniques	3	
Total hours	43	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures: ☒

Practical training/ laboratory:

Seminar/Workshop: ☒

Class activity:

Case Study:

Other assignments/homework: ☒

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="60 %"/>
Oral examination	----
Practical/laboratory work	
Other assignments/class work	<input type="text" value="10"/>
Mid-Term Exam	<input type="text" value="30"/>
Total	100 %

Members of examination committee

Dr. Khalid Morsy
Dr.
Dr.

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate ☐ Yes

Adequate to some extent ☐ Totally

Inadequate ☐

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building.
- Limitation of number of operating experiments in the laboratory.

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

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

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Dr. Khalid Morsy

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Software Engineering- (E460)
 2- **Program(s) on which this course is given:** 4th year Computer Dept.
 3- **Year/Level of program:** 4th year
 4- **Unit hours**
 Lectures Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**
 Prof. Dr. Abdellatief Hussien Abouali
 Course coordinator Prof. Dr. Abdellatief Hussien Abouali
 External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	26	96.3			No.	%
Failed	1	3.7		Excellent	4	14.8
				Very Good	7	25.9
				Good	6	22.2
				Pass	9	33.3

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Introduction	2	
• Software quality Attributes	4	
• Roles in S/W organization	4	
• Software Development schemes	8	
• Requirement Engineering	8	
• Software Design	8	
• Planning a S/W production	4	
• Management of people in S/W	3	
• Software prototyping	2	
• Software testing	2	
Total hours	45	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="50"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="15"/>
Other assignments/class work	<input type="text" value="15"/>
Mid-Term Exam	<input type="text" value="20"/>
Total	100 %
Members of examination committee	Prof. Dr. Abd Ellatief Hussien Abouali Dr.
Role of external evaluator	

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Totally

Inadequate

.....

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building.
- Limitation of number of operating experiments in the laboratory.

6- Student evaluation of the course:
List any criticisms

Response of course team

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Prof. Dr. Abdellatief Hussien Abouali

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Microprocessors Based System 2 – (E422)
 2- **Program(s) on which this course is given:** 4th year Computer Engineering Dept.
 3- **Year/Level of program:** 4th year
 4- **Unit hours**
 Lectures Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**
 Prof. Dr. Ramadan Mahmoud Mustafa
 Course coordinator Prof. Dr. Hany Tawfik
 External evaluator

B- Statistical Information

No. of students attending the course: No. %
 No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	17	65.4			No.	%
Failed	9	34.6		Excellent	1	3.8
				Very Good	3	11.5
				Good	3	11.5
				Pass	10	38.5

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Introducing microcontrollers training kit or simulation software	2	Prof. Dr. Ramadan Mustafa
• The 8051 microcontrollers architecture	2	
• Memory organization	2	
• addressing modes	2	
• Instruction set	3	Prof. Dr. Hany Tawfik
• T/O ports and their functions	3	
• Timer / Counters	3	
• Interrupts	3	
• S0erial communication	2	
• Memory decoding	2	
• Interfacing with the 8255 PPI	2	
• Real world interfacing LCD, ADC, sensors, stepper motor, keyboard, DAC	6	
Total hours	32	

Topics taught as a percentage of the content specified:

>90 % ☐ 70-90 % ☒ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

0

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="60"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="20"/>
Other assignments/class work	<input type="text" value="5"/>
Mid-Term Exam	<input type="text" value="15"/>
Total	100 %

Members of examination committee

Prof. Dr. Ramadan Mahmoud Mustafa
Prof. Dr. Hany Tawfik

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

0

Totally

.....

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building
- Limitation of number of operating experiments in the laboratory

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator:

Prof. Dr. Ramadan Mahmoud Mustafa

Prof. Dr. Hany Tawfik

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report Academic year 2014-2015

A- Basic Information

1- Title and code: Electronic Measurements - (E432)

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

3- Year/Level of program: Fourth year / 2nd Semester

4- Unit hours 2

Lectures 2 hrs

Tutorial 0 hrs

Practical 4 hrs

Total 6 hrs

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

Course coordinator: Prof. Dr. Hany Tawfik

External evaluator:None

B- Statistical Information

No. of students attending the course: No. 28 100%

No. of students completing the course: No. 26 92.9%

Results:

	No.	%		Grading of successful students:		
Passed	22	84.6			No.	%
Failed	4	15.4		Excellent	1	3.8
				Very Good	3	11.5
				Good	4	15.4
				Pass	14	53.8

C- Professional Information

1 – Course teaching:

Topic	Lecture hours	Lecturer
• Analog Measuring Equipment	2	Prof. Dr. Hany Tawfik
• CRT, Deflection Amplifiers, Time base	2	
• Display systems& waveform display	2	
• Dual Trace Oscilloscopes, supplies, testing	2	
• Special types of oscilloscopes	2	
• Digital Storage Oscilloscope	2	
• Measuring phase difference using oscilloscope	2	
• Measuring frequency using Lissajous Figure	2	
• Analog Electronic Millie-ammmeters	2	
• Analog Electronic Voltmeters & ohmmeters	2	
• Digital Electronic Voltmeters	2	
• Digital Electronic Frequency meters, reciprocal count.	2	
• Distortion meters	2	

• Frequency meter and Spectrum Analyzer	2
• Signal generators	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: Microelectronics Lab.

Seminar/Workshop: None

Class activity:

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

Case Study: None

Other assignments/homework: Bi-weekly assignments

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

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

Written examination	60 %
Practical examination	20 %
Other assignments/class work	6.5 %
Mid-Term Exam	13.5 %
Total	100 %

Members of examination committee

Prof. Dr. Hany Tawfik

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 2014 – 2015

Actions required Solving new problems

Course coordinator: Prof. Dr. Hany Tawfik

Signature:

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Computer Graphics – (E462)
 2- **Program(s) on which this course is given:** 4th year Computer Dept.
 3- **Year/Level of program:** 4th year
 4- **Unit hours**
 Lectures Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**
 Dr. Abdellatief Hussien Abouali
 Course coordinator Dr. Abdellatief Hussien Abouali
 External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	24	88.9			No.	%
Failed	3	11.1		Excellent	3	11.1
				Very Good	4	14.8
				Good	9	33.3
				Pass	8	29.6

54.55

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Introduction and basic concepts of graphics	4	
• Drawing basic elements of picture	6	
• 2D picture drawing	4	
• Scalling, rotation, motion ,animation	4	
• Mapping 3D seen into 2D graphic picture	6	
• Shedding and lightening	6	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="50"/>
Oral examination	<input type="text" value="----"/>
Practical/laboratory work	<input type="text" value="15"/>
Other assignments/class work	<input type="text" value="15"/>

Mid-Term Exam

Total 100 %

Members of examination committee . Dr. Abdellatief Hussien Abouali

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate
Adequate to some extent
Inadequate
List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building.
- Limitation of number of operation experiments in the laboratory.

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

Non

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

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Prof. Dr. Abdellatief Hussien Abouali

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** International Business Management – (B412)
 2- **Program(s) on which this course is given:** Comp. Eng & Inf. Tech. Dept.
 Electronic Eng & Com. Tech Dept.
 3- **Year/Level of program:** 4th year, 2nd Term
 4- **Unit hours**
 Lectures Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**

Course coordinator Prof. Dr. Hassan A. Awad
 External evaluator Non

B- Statistical Information

No. of students attending the course: No. %
 No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	27	96.4			No.	%
Failed	1	3.6		Excellent	2	7.1
				Very Good	11	39.3
				Good	6	21.4
				Pass	8	28.6

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Interdiction to Management and organizations	7	Prof. Dr. Hassan A. Awad
• Today Management current trends and issues.	7	
• Organizational culture and Environment: Constraints.	7	
• Decision making- the Essence of the manager's job	5	
• International Business an overview	13	
• Strategic Management	3	
• Final Revision	3	
Total hours	45	

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop: ☒

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment: Weekly

Method of assessment	Percentage of total
Written examination	<input type="text" value="70%"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="- %"/>
Other assignments/class work	<input type="text" value="10 %"/>
Mid-Term Exam	<input type="text" value="20 %"/>
Total	100 %

Members of examination committee Prof. Dr. Hassan . A. Awad.

Role of external evaluator None

4- Facilities and teaching materials: White Board

Totally adequate ☒ .Yes.

Adequate to some extent ☒ 100%

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):

Response of course team

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 non-completion None

9- Action plan for academic year 2014-2015

Actions required Solving new problems

Course coordinator: Prof. Dr Hassan A. Awad

Signature:

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Summer Training – (E400)
- 2- **Program(s) on which this course is given:** Computer Engineering dept.
- 3- **Year/Level of program:** 4th Year (Computers Engineering)
- 4- **Unit hours**
Lectures Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course**
Prof. Dr.
Course coordinator Prof. Dr. Said Gawish
External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	28	100			No.	%
Failed	0	0		Excellent	20	71.4
				Very Good	1	3.6
				Good	5	17.9
				Pass	2	7.1

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Business area		
•		
•		
Total hours		

Topics taught as a percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="20"/>
Oral examination	<input type="text" value="---"/>
Practical/laboratory work	<input type="text" value="30"/>
Other assignments/class work	<input type="text" value="---"/>
Mid-Term Exam	<input type="text" value="50"/>
Total	50 %

Members of examination committee

Dr..
Dr.
Dr.

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate ☐ Yes

Adequate to some extent ☐ Totally

Inadequate ☐

List any inadequacies

5- Administrative constraints

List any difficulties encountered

-
-

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion: None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator:

Signature: Prof. Dr. Said Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- Title and code: Engineering Economics - (M561)
- 2- Program(s) on which this course is given:
- Manufacturing Engineering and Production Technology
 - Communication Engineering Technology
 - Computer Engineering Technology
- 3- Year/Level of program: Fifth Year (Man.E, Comm., Comp.)
- 4- Unit hours
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course
Dr. Abdelmagid A. Abdalla, Dr. Metwally H. Metwally
Course coordinator Dr. Abdelmagid A. Abdalla
External evaluator: None

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:	
Passed	19	86.4		No.	%
Failed	3	13.04		Excellent	4 18.2
				Very Good	2 9.1
				Good	6 27.3
				Pass	7 31.8

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Cash Flow	4	Dr. Abdelmagid A. Abdalla, Dr. Metwally H. Metwally
• Compound Interest:	12	
• Time Value of Money	4	
• Nominal and Effective Interest	4	
• Engineering Problem Analysis:	12	
• Depreciation	8	
• Tax effects	4	
• Breakeven point & payback period	4	
Total hours	52	

Topics taught as a percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic The term actually was 13 weeks

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:

Numerical exercises.

Case Study: None

Other assignments/homework: Weekly assignment

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

3- Student assessment:

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

Members of examination committee Dr. Abdelmagid A. Abdalla,
Dr. Metwally H. Metwally

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: Response of course team
List any criticisms None

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

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Dr. Abdelmagid A. Abdalla

Signature:

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Computer Architecture II - (E512)
 2- **Program(s) on which this course is given:** 5th year Computer Dept.
 3- **Year/Level of program:** 5th year
 4- **Unit hours**
 Lectures Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**
 Prof. Dr. Sabry Abd el Moaty
 Course coordinator Prof. Dr. Hany Tawfique
 External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	23	100			No.	%
Failed	0	0		Excellent	2	8.7
				Very Good	4	17.4
				Good	9	39.1
				Pass	8	34.8

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• F.F, decodes Registers multiply	4	Dr. Asbury abed moetty
• Architecture cods	4	
• Computer registers	4	
• Register transfer language	2	
• Timing & Control	6	
• Destruction cycles	4	
• Compel computer design	4	
• Micro programming	4	
• Parallel computer	4	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="100"/>
Oral examination	<input type="text" value="----"/>
Practical/laboratory work	<input type="text" value="10"/>
Other assignments/class work	<input type="text" value="20"/>
Mid-Term Exam	<input type="text" value="20"/>
Total	150 %
Members of examination committee	Dr. Asbury abed moetty
Role of external evaluator	

4- Facilities and teaching materials:

Totally adequate
Adequate to some extent
Inadequate

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the Principle building.
- Limitation of number of operating experiments in the laboratory.

6- Student evaluation of the course: List any criticisms

Response of course team

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Dr. Sabry Abd el Moaty

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- Title and code: **Advanced Computer Systems (Compiler) – (E515)**
- 2- Program(s) on which this course is given: 5th year Computer Dept.
- 3- Year/Level of program: 5th year
- 4- Unit hours
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course
Prof. Dr. Osama M.Elmoawafy
Course coordinator Prof. Dr.
External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	21	95.5			No.	%
Failed	1	4.5		Excellent	5	22.7
				Very Good	5	22.7
				Good	5	22.7
				Pass	6	27.3

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
Introduction to Compiler	4	Prof. Dr. Osama M.Elmoawafy
Compiler structure	4	
Forming a Grammar	4	
Parsing tree	4	
Lexical Analysis	6	
Recursive programming concepts	4	
Cradle Implementation	4	
Expression Parsing	4	
Optimization	4	
Variables and Function Parsing	4	
Multi-character tokens	4	

Interpreter	4	
Control Instruction (If, While, Loop, For, Do, and Break)	6	
Boolean Expression	4	
Total hours	60	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="Final"/>
Oral examination	<input type="text" value="----"/>
Practical/laboratory work	<input type="text" value="..."/>
Other assignments/class work	<input type="text" value="..."/>
Mid-Term Exam	<input type="text" value="..."/>
Total	100 %

Members of examination committee

Prof. Dr. Osama M.Elmoawafy
Prof. Dr.

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate ☐ Yes

Adequate to some extent ☐ Totally

Inadequate ☐

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the
- Limitation of number of

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Prof. Dr. Osama M.Elmoawafy

Signature: Prof. Dr. Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Distributed Computer Systems – (E521)
 2- **Program(s) on which this course is given:** 5th year Computer Engineering Dept.
 3- **Year/Level of program:** 5th year
 4- **Unit hours**
 Lectures Tutorial Practical Total
 5- **Names of lecturers contributing to the delivery of the course**
 Prof. Dr. Wafaai Bogdady
 Course coordinator Prof. Dr. Wafaai Bogdady
 External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	22	95.7			No.	%
Failed	1	4.3		Excellent	4	17.4
				Very Good	3	13
				Good	8	34.8
				Pass	7	30.4

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
Distributed Systems definitions and technologies	4	Prof. Dr. Mohamed El Gazar
DPS Architectures and models	4	
Inter-process communication	4	
Distributed file storage	6	
Timing issues, co-ordination, concurrency control and transactions	6	
Security and fault-tolerance	6	
Distributed Systems definitions and technologies	4	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="60"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="20"/>
Other assignments/class work	<input type="text" value="10"/>
Mid-Term Exam	<input type="text" value="10"/>
Total	100 %

Members of examination committee

Prof. Dr. Abd Elmoneam M.Foda

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Yes

Adequate to some extent

Totally

Inadequate

.....

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building.
- Limitation of number of operating experiments in the labpratory.

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Prof. Dr. Wafaai Bogdady

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

1- **Title and code:** Data transmission and computer Network (I) – (E530)

2- **Program(s) on which this course is given:** 5th year Computer Dept.

3- **Year/Level of program:** 5th year

4- **Unit hours**

Lectures Tutorial Practical Total

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

Prof. Dr. Wafaay Boghdady

Course coordinator Prof. Dr. Wafaay Boghdady

External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	23	100			No.	%
Failed	0	0		Excellent	9	39.1
				Very Good	8	34.8
				Good	1	4.3
				Pass	5	21.7

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Introduction	1	Prof. Dr. wafae bogdady
• Fundamentals of comp.net	6	
• Media of network	6	
• Type of network	8	
• Topology networks	6	
• protocols of networks	8	
• OSI Model of networks	10	
Total hours	45	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="60"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="20"/>
Other assignments/class work	<input type="text" value="10"/>
Mid-Term Exam	<input type="text" value="10"/>
Total	100 %

Members of examination committee

Prof. Dr. Abd Elmoneam Mohamed Foda
Prof.Dr. Wafaay Boghdady

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Yes

Adequate to some extent

Totally

Inadequate

.....

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the Principle building.
- Limitation of number of operating experiments in the laboratory.

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required

More assignments and virtual laboratory experiments supplied with a final project will be added to the course.

Course coordinator: Prof. Dr. Wafaay Boghdady

Signature: Prof. Dr. Said A. Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- Title and code: Neural Network – (E538C)
 2- Program(s) on which this course is given: 5'th year computer engineering dept.
 3- Year/Level of program: 5'th year
 4- Unit hours
 Lectures Tutorial Practical Total
 5- Names of lecturers contributing to the delivery of the course
 Course coordinator Dr. Adel Khedr
 External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	20	90.9			No.	%
Failed	2	9.1		Excellent	1	4.5
				Very Good	3	13.6
				Good	8	36.4
				Pass	8	36.4

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
– Introduction to neural networks	3	Dr. Adel Khedr
– McCulloch Pitts model	3	
– Learning Processes, Supervised learning	6	
– Unsupervised learning	3	
– Single layer perceptron model, perceptron learning	9	
– Multi-layer models, Backpropagation algorithm	6	
– Pattern recognition	6	
– Khonen neural networks	3	
– Hopfield nets	3	
- Associative memories	3	
Total hours	45	

Topics taught as a percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="60"/>
Oral examination	<input type="text" value="....."/>
Practical/laboratory work	<input type="text" value="10"/>
Other assignments/class work	<input type="text" value="10"/>
Mid-Term Exam	<input type="text" value="20"/>
Total	100 %

Members of examination committee

Dr. Adel Khedr
Dr.

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the Principle building.
- Limitation of number of operating experiments in the laboratory.

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Dr. Adel Khedr

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

1- Title and code: Laws and Regulations For Engineers, B 512

2- Program(s) on which this course is given: Comp. Eng & Inf. Tech. Dept.

Electronic Eng & Com. Tech Dept.

Man. Eng. & Prod. Tech. Dept.

3- Year/Level of program: 5th year, 2nd Term

4- Unit hours

Lectures Tutorial Practical Total

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

Course coordinator Prof. Dr. Shaban Ragab Gouda.

External evaluator:- Non

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	22	95.7			No.	%
Failed	1	4.3		Excellent	7	30.4
				Very Good	6	26.1
				Good	6	26.1
				Pass	3	13.6

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• مصطلحات ومفاهيم قانونيه	٥	Prof. Dr> S.R. Gouda
• التشريعات الصناعيه المصريه	٥	
• قوانين وتشريعات اعمال البناء والتخطيط العمرانى	٥	
• قوانين وتشريعات بيئيه لحمايه البيئه المصريه	٥	
• المناقصات والعطاءات	٥	

• قانون تنظيم المناقصات والمزايدات	٥	
• العقود الهندية المحليه	٥	
• العقود الهندسيه الدوليه	٥	
• المطالبات والتحكيم	٥	
Total hours	45	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic: None

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="70 %"/>
Oral examination	-
Practical/laboratory work	<input type="text" value="- %"/>
Other assignments/class work	<input type="text" value="10 %"/>
Mid-Term Exam	<input type="text" value="20 %"/>

Total 100 %

Members of examination committee Prof. Dr. S. R. Gouda

Role of external evaluator Non

4- Facilities and teaching materials:

Totally adequate ☒ Yes

Adequate to some extent ☒ 100%

Inadequate ☐ -

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

➤ None

6- Student evaluation of the course:

None

Response of course team

None

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014– 2015

Actions required Solving new problems

Course coordinator: Prof. Dr S. R. Gouda

Signature:

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- **Title and code:** Artificial Intelligence – (E504)
- 2- **Program(s) on which this course is given:** 5th year Computer Dept.
- 3- **Year/Level of program:** 5th year
- 4- **Unit hours**
Lectures Tutorial Practical Total
- 5- **Names of lecturers contributing to the delivery of the course**
Dr. Sabry Abd el Moaty
External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	21	95.5			No.	%
Failed	1	4.5		Excellent	1	4.5
				Very Good	8	36.4
				Good	9	40.9
				Pass	3	13.6

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Artificial intelligent Concepts	4	Dr. Sabry Abdel Moaty
• Fundamentals of neural network	6	
• Learning algorithms used in neural network training, Different practical applications using neural network (logic gates)	4	
• Solving problems using searching techniques	4	
• Non-heuristic techniques, Depth first, breadth first search, uniform cost search.cgeneatcalg	4	
• Non-heuristic techniques, depth limited search, iterative deepening depth first search, bi-directional search, comparing searching techniques	4	
• Heuristic techniques, Greedy best first search, memory bounded heuristic search	4	

• Heuristic techniques, recursive best first search, learning to search better, Heuristic functions	4	
• Expert system architecture	4	
• Expert system, non-production system architecture	4	
• Semantic network basics and components	4	
• Semantic network and optimal search	4	
• Machine learning, frame work for symbol based learning, version space search,	4	
• Elimination algorithm, decision tree (induction algorithm)	2	
Total	56	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment

Percentage of total

Written examination

Oral examination

Practical/laboratory work

Other assignments/class work	..20..
Mid-Term Exam	..20..
Total	100 %

Members of examination committee Dr. Sabry Abdel Moaty
Dr. .

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate ☐ Yes
Adequate to some extent ☐ Totally
Inadequate -----
List any inadequacies

5- Administrative constraints

List any difficulties encountered
➤ Limitation of number data show & Labs

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

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

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 non-completion None

9- Action plan for academic year 2014 – 2015

Course coordinator: Dr. Sabry Abd el Moaty

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

1- Title and code: Data Transmission and Computer Network II - (E531)

2- Program(s) on which this course is given: 5th year Computer Dept.

3- Year/Level of program: 5th year

4- Unit hours

Lectures Tutorial Practical Total

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

Prof. Dr. Wafaay Boghdady

Course coordinator Prof. Dr. Wafaay Boghdady

External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	22	95.7			No.	%
Failed	1	4.3		Excellent	5	21.7
				Very Good	5	21.7
				Good	6	26.1
				Pass	6	26.1

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
Digital Transmission overview	4	Prof. Dr. Mohamed El Gazar
Basic Concepts and Principles of Computer Networking	4	
Physical Layer Concept	5	
Small PC Network	6	
SMALL ETHERNET LANS	6	
Larger Site Networks	4	
Wide Area Networking	8	
NETWORK SECURITY	8	
Total hours	45	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="60"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="20"/>
Other assignments/class work	<input type="text" value="10"/>
Mid-Term Exam	<input type="text" value="10"/>
Total	100 %

Members of examination committee

Prof. Dr. Abd Elmoneam Mohamed Foda
Dr. Wafaay Boghdady

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Yes

Adequate to some extent

Totally

Inadequate

.....

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- **Limitation of number of data show in the Principle building.**
- **Limitation of number of operating experiments in the laboratory.**

6- Student evaluation of the course:
List any criticisms

Response of course team

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required

More assignments and virtual laboratory experiments supplied with a final project will be added to the course.

Course coordinator: Prof. Dr. Wafaay Boghdady

Signature Prof. Dr. Said A. Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- Title and code: Computer Performance – (E534)
- 2- Program(s) on which this course is given: 5th year Computer Dept.
- 3- Year/Level of program: 5th year
- 4- Unit hours
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course
Dr. Sabry Abd el Moaty

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	22	95.7			No.	%
Failed	1	4.3		Excellent	6	26.1
				Very Good	6	26.1
				Good	2	8.7
				Pass	8	34.8

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
An Overview of Queuing Network Modeling	2	Dr. Sabry Abdel Moaty
What is a Queuing Network Modeling?	2	
Defining, Parameterizing, and Evaluating Queuing Network Models.	2	
What are Queuing Network Models Appropriate Tools?	2	
Conducting a Modeling Study	2	
The Modeling cycle	2	
Workload Characterization	2	
Sensitivity Analysis	2	
Fundamental Laws	2	
Basic Quantities	2	
Little's laws	2	
The Forced Flow Law	2	
The Flow Balance Assumption	2	

Queuing Network Model Inputs	4	
- Addressing modes - Program control	6	
- Reduced Instruction Set Computer RISC & CISC interrupt	4	
- Construction of The ALU	4	
- Integer Representation	4	
- Basic Operations	6	
Total hours	30	

Topics taught as a percentage of the content specified:

>90 % ☒ 70-90 % ☐ <70% ☐

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures: ☒

Practical training/ laboratory:

Seminar/Workshop: ☒

Class activity:

Case Study:

Other assignments/homework: ☒

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

3- Student assessment:

Method of assessment	Percentage of total
Written examination	<input type="text" value="60 %"/>
Oral examination	----
Practical/laboratory work	<input type="text" value="20 %"/>

Other assignments/class work

10 %

Mid-Term Exam

10 %

Total

100 %

Members of examination committee

Dr. Sabry Abdel Moaty

Dr.

Dr.

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Yes

Adequate to some extent

Totally

Inadequate

.....

List any inadequacies

5- Administrative constraints

List any difficulties encountered

- Limitation of number of data show in the principal building.
- Limitation of number of operating experiments in the laboratory.

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

7- Comments from external evaluator(s):

Response of course team

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 non-completion None

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Dr.Sabry Abd el Moaty

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

1- Title and code: Modeling and Simulation - (E538B)

2- Program(s) on which this course is given: 5th year Computer Engineering Dept.

3- Year/Level of program: 5th year.

4- Unit hours

Lectures Tutorial Practical Total

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

Dr.abd Elmoneim Foda

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	100	100			No.	%
Failed	0	0		Excellent	2	9.1
				Very Good	4	18.2
				Good	3	13.6
				Pass	13	59.1

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Systems, models and simulation	4	
• Steps in Simulation Study, Other Types of simulation, advantages of Simulation, disadvantages of Simulation	4	
• Stochastic Model, Discrete-Event Simulation, Simulation of Single – Server Queuing System	4	
• Building Math. Models From Different Proctiel System	4	
• Case study 1, single server queue	4	
• Review of basic probabilities And Statistics, case study 2	4	
• Estimation Of Means, Variance And Correlation	4	
• Case Study 3, Mont Carlo simulation	4	
• Selecting Input Probability Distributions, continuous probability distributions	4	

• Discrete probability distributions, case study 4	4	
• Building Valid and Credible Simulation Models	4	
• Sensitivity Analysis, Inspection Approach, Confidence collect and analyze different types of problem (speech production model)	4	
• Random Number Generators, Mid Square Method, case study 6	4	
• Linear Congruential Generators (LCG), Mixed Generator, Multiplicative Generator	3	
Total hours	45	

Topics taught as a percentage of the content specified:

>90 %

70-90 %

<70%

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment

Percentage of total

Written examination

Oral examination

Practical/laboratory work

Other assignments/class work

Mid-Term Exam

Total 100 %

Members of examination committee Dr. Abdel Monem Foda
Dr.

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

...Yes..

Adequate to some extent

Totally

Inadequate

List any inadequacies

5- Administrative constraints

List any difficulties encountered

➤ Limitation of number

6- Student evaluation of the course:

Response of course team

List any criticisms

7- Comments from external evaluator(s):

Response of course team

8- Course enhancement:

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).

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

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

9- Action plan for academic year 2014 – 2015

Actions required Solving new problems

Course coordinator: Dr.abd Elmoneim Foda

Signature: Prof. Dr Said A.Gawish

Date: August 2015

Annual Course Report

Academic year 2014-2015

A- Basic Information

- 1- Title and code: Project – (E599)
- 2- Program(s) on which this course is given: Computer Engineering dept.
- 3- Year/Level of program: 5th Year (Computers Engineering)
- 4- Unit hours
Lectures Tutorial Practical Total
- 5- Names of lecturers contributing to the delivery of the course
Prof. Dr.
Course coordinator Prof. Dr. Said Gawish
External evaluator

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

	No.	%		Grading of successful students:		
Passed	22	100			No.	%
Failed	0	0		Excellent	11	50
				Very Good	7	31.8
				Good	4	18.2
				Pass	0	0

C- Professional Information

1 – Course teaching

Topic Actually taught	No. of hours	Lecturer
• Project background	6	
• Project activities planning	6	
• Practical implementation	12	
• Production of final product	20	
• Testing and correcting output	12	
• Preparing for project presentation	8	
Total hours	64	

Topics taught as a percentage of the content specified:

>90 % 70-90 % <70%

Reasons in detail for not teaching any topic

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

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

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

3- Student assessment:

Method of assessment

Percentage of total

Written examination

Oral examination

Practical/laboratory work

Other assignments/class work

Mid-Term Exam

Total

Members of examination committee

Dr..

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

5- Administrative constraints

List any difficulties encountered

6- Student evaluation of the course:

List any criticisms

Response of course team

7- Comments from external evaluator(s):

Response of course team

External evaluator:

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

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- 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 non-completion: None

9- Action plan for academic year 2014 – 2015

Course coordinator: Prof. Dr Said A.Gawish

Signature: Prof. Dr Said A.Gawish

Date: August 2015