Menoufia University
Faculty of Electronic Eng.
Department of Computer Sciences and Engineering

جامعة المنوفية
كلية الهندسة الالكترونية بمنوف
قسم هندسة و علوم الحاسبات

Annual Course Report

(Experimental Lab)

A- Basic Information

1. **Title and Code**   **Experimental Lab-CSE 366**

2. **Program(s) on which this course is given**   CSE

3. **Academic year / Level of program** 3rd year / 1st & 2nd Semesters

4. **Units/Weekly hours**

   Lecture   2   Tutorial/Practical   3   Total   5
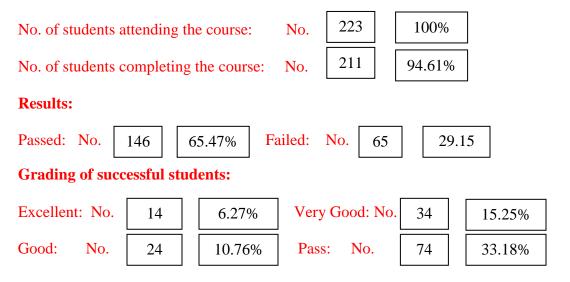
5. **Names of lecturers contributing to the delivery of the course**

   Dr. Zeiad El-Saghir

   Course coordinator: Dr. Zeiad El-Saghir

   External evaluators: Prof. Fawzy Torky

B- Statistical Information

No. of students attending the course: No.   223   100%

No. of students completing the course: No.   211   94.61%

Results:

Passed: No.   146   65.47%   Failed: No.   65   29.15

Grading of successful students:

Excellent: No.   14   6.27%   Very Good: No.   34   15.25%

Good: No.   24   10.76%   Pass: No.   74   33.18%

Professional Information

1. **Course Teaching**

Topic	No of hours	Lecture	Tutorial/ Practical	Achieved ILOs
Introduction for the Intel's 8255 series of programmable peripheral interface	5	2	3	A1
Basic data Transmission and reception experiments (mode 0 of operation)	10	4	6	A3, A10, B3, B15, C6, C14
Introduction for the Intel's 8255 mode 1 of operation	10	4	6	A4, A13, B15
Data transmission and receiving handshake experiments	20	8	12	B3, B6, B9, C2, C3, B7
LED matrix character generator controller experiments	5	2	3	A10, B13, B16, B17, C5, C6, D1, D2, D6, D7, D8
Stepper motor principles and experiments	10	4	6	C10, C11, C12, C13, C14, D1, D2, D5, D6, D8
DC motor principles and experiments	10	4	6	A10, B13, B16, B17, C5, C6, D1, D2, D6, D7, D8
VHDL Code Structure	5	2	3	A1, A3
VHDL Data Types	10	4	6	A1, A3
VHDL Operators and Attributes	10	4	6	A1, A3
Concurrent Code Experiments	15	6	9	A10, B13, B16, B17, C5, C6, D1, D2, D6, D7, D8
Sequential Code Experiments	15	6	9	A10, C10, C11, C12, C13, C14, D1, D2, D5, D6, D8
Signals and Variables Experiments	5	2	3	A10, B13, B16, B17, C5, C5, D1, D2, D5, D6, D8
State Machine Experiments	10	4	6	A10, C10, C11, C12, C13, C14, D1, D2, D5, D6, D8
Total sum	**140**	**56**	**84**	

Topics taught as a percentage of the content specified:

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

2. Teaching and Learning Methods:

Lectures: [√]

Practical Training/ Laboratory: [√]

Seminar/Workshop: [√]

Class Activity: [√]

Case Study: [√]

Other Assignments/Homework: [√]

3. Student Assessment:

Method of Assessment	Percentage of total
Class tutorial and quizzes:	5 %
Mid-term examination:	15 %
Case study and/or practical exam:	15 %
Final – term examination:	60 %
Other types of assessment:	5 %
Total	100 %

Members of Examination Committee:
Dr. Zeiad El-Saghir

Role of External Evaluator:
The external evaluator was not effectively involved in the student examination assessment in the last academic year.

4. Facilities and Teaching Materials:

Totally adequate [ ]

Adequate to some extent [√]

Inadequate [ ]

5. Administrative Constraints

- Insufficient lecture time.

6. Student Evaluation of the course: **Response of Course Team**

- Lack of practice problems and exercises

- An extra exercises and solved problems are added to the Tutorial of the course.

7. Comments from external evaluator(s):

Response has not received.

8. **Action Plan for Academic Year 2012 – 2013**

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Quality of Teaching and Learning	Students attendance at lecture are not very good	- Engagement of students from different academic years to the curriculum development	- Faculty - Department	2013
Course content	Gap between up-to-date information and reference text books	- add more examples. - add small task projects mainly for real world problem solving.	Course coordinator	2013

Course Coordinator: Dr. Zeiad El-Saghir

Signature:

Date: /   /