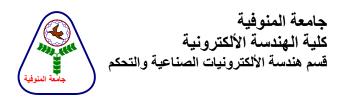
Menoufiya University Faculty of Electronic Eng. Department of Industrial Electronics and Control Engineering



Annual Course Report

(Elective-4)

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1 Title and Code	Elective-4 AC452		
2 Programme(s) on which this course is given	AC		
3 Academic year / Level of programme	4 th year/ 2 nd Semester		
4 Units/Weekly hours			
Lecture 3 Tutorial/Practical 1	Total 4		
5- Names of lecturers contributing to the deliver Prof. Mohammed I. Mahmoud Dr. Fahima Essawy	very of the course		
Course coordinator: Prof. Mohammed I. M	Mahmoud		
External evaluators:			
B- Statistical Information			
No. of students attending the cour	rse: No. 382		
No. of students completing the co	ourse: No. 378	%	98.95
Results:			
Passed:	No. 371	%	98.15
Failed:	No. 7	%	1.85
Grading of successful students:			
Excellent:	No. 111	%	29.37
Very Good:	No. 108	%	28.57

No.

No.

76

76

%

%

20.11

20.11

C- Professional Information

Good:

Pass:

1. Course Teaching

- (Advanced PLC)

Topic	No of hours	Lecturer
D. A. I. DI C I A.	OI HOURS	
Part I: PLC advanced elements		<u> </u>
1- Introduction	5	
2- PLC timers	5	
3- PLC counters	5	
4- PLC registers	5	
5- PLC jumps	5	
Part II advanced PLC applications		
6- PLC traffic control	5	Prof. Mohammed I.
7- PLC mix-colors production line	5	Mahmoud
8- PLC automation underground	5	
9- PLC car barking	5	
10- PLC industrial Systems	5	
11- PLC industrial Systems	5	
12- PLC industrial systems	5	
13 PLC medical systems	5	
14 PLC network systems	5	
Appendix	5	
Total sum	70	

- New Programming Language (MATLAB)

Topic	No of hours	Lecturer
1- Matlab Fundaments	5	
2- Plotting commands	5	
3- Control statements	5	
4- Automatic Control toolbox	5	
5- Automatic Control toolbox	5	
6- Signal processing toolbox	5	
7- Signal processing toolbox	5	Dr. Fahima Esawy
8- Signal processing toolbox	5	
9- Fuzzy Logic toolbox	5	
10- Fuzzy Logic toolbox	5	
11- Fuzzy Logic toolbox	5	
12- Neural Network Toolbox	5	
13 Neural Network Toolbox	5	
14- Neural Network Toolbox	5	

Total sum				
			70	
Topics taught as	a percentage of the	content	specified:	_
<u>>90 %</u>	70-90 % √		<70%	
2. Teaching and Le	arning Methods:			
Lectures:		$\sqrt{}$		
Practical Train	ing/ Laboratory:			
Seminar/Work	shop:			
Class Activity:		√		
Case Study:				
Case Study Other assignments/l	roject assigned.	$\sqrt{}$		
Method of Ass	essment		Percentage of t	cotal
Written exami	nation		70	
Midterm exam	S		15	
Oral Examinat	ion		0	
Practical/labor	atory work		0	
Other Assignm	nents/class work		15	
Total			100 %	
	•			

Role of external evaluator:

4.	Facilities and Teaching Materials:	
	Totally adequate	
	Adequate to some extent	√
	Inadequate	

5. Administrative Constraints

- Students need extra hours
- Insufficient class rooms and halls.
- Insufficient assistant staff members.

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

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7. Comments from external evaluator(s):

- Studying Matlab should be included in previous courses.
- Some references for Matlab should be added.

8. Course Enhancement:

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

This is the first year plan

9. Action Plan for Academic Year 2012 – 2013

Improvement	Weak points	Action required	Person	Completion
Field	No foodbook of the	_	Responsible	Date
Assessment Methods	No feedback of the examination to the students, so exams can not be used for learning.	- Formative exams during the term with a feedback to the students.	- Faculty - Department	2013
Quality of				
Teaching and				
Learning				
Learning resources				
Course	-Gap between up-to-date information and reference text books	- Give students more implementation exercises that cover their understanding of course.	-Course coordinator	2013
Content	- Studying Matlab should be included in previous courses	-this will be taken into account in the update of the bylaw.	- Faculty	2013

Course Coordinator: Prof. Mohammed I. Mahmoud	
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Signatu	re:			
Date:	/	/		