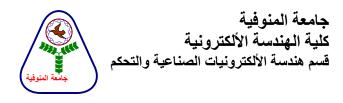
Menoufiya University
Faculty of Electronic Eng.
Department of Industrial Electronics
and Control Engineering



Annual Course Report

(Control Engineering)

A- Basic Information

1 Title and Code	Control Engineering AC241
2 Programme(s) on which this course is given	AC
3 Academic year / Level of programme	2 nd year/ 1 st Semester
4 Units/Weekly hours	
Lecture 3 Tutorial/Practical 2	Total 5
5- Names of lecturers contributing to the delive	ery of the course
a. Prof. Abdelazim Sobieh Ibrahimb. Prof. Magdy Koutb	
Course coordinator: Prof. Abdelazim Sobie	h Ibrahim
External evaluators:	
B- Statistical Information	
No. of students attending the course	No. 860
No. of students completing the cours	se: No. 853 % 99.19
Results:	
Passed:	No. 845 % 99.06

No.

No.

No.

No.

157

252

239

197

%

%

%

%

18.41

29.54

28.02

23.09

Grading of successful students:

Excellent:

Good:

Pass:

Very Good:

C- Professional Information

1. Course Teaching

Topic	No of hours	Lecture	Tutorial/ Practical	Lecturer
 1. Dynamic system model building principles. • Introduction • Examples for some practical system. 	5	3	2	
2. Dynamic system model building principles.Differential equation	5	3	2	
 3. Dynamic system model building principles. Laplace transform 	5	3	2	Prof. Abdelazim Sobieh
 4. Dynamic system model building principles. Time response. Step and impulse responses 	5	3	2	Ibrahim Prof. Magdy Koutb
 5. Dynamic system model building principles. System transient response(steady state error and dynamics) 	5	3	2	Kouto
 6. Basics of system modeling, Mathematical models. Physical models. 	5	3	2	
7. Basics of system modeling,Parameter models.Balance equations	5	3	2	
 8. Basics of system modeling, application to thermal systems. chemical and mechanical process 	5	3	2	
 9. Basics of system modeling, Mechanical and electromechanical systems 	5	3	2	
10. Basics of system modeling,Analogy between different	5	3	2	

systems.				
11. Basics of system modeling,Examples of practical systems	5	3	2	
12. Characteristics of closed loop systems Introduction to closed loop systems Performance of control systems	5	3	2	
13. Characteristics of closed loop systems • Pole assignments.	5	3	2	
14. Stability of linear systemsRouth Hurwitz stability	5	3	2	
Total sum	70	42	28	

Topics taught as a	percentage of	the conten	specified:
<u>>90 %</u>	70-90 %	√	<70%
2. Teaching and Lean	rning Method	ls:	
Lectures:		$\sqrt{}$	
Practical Trainin	g/ Laboratory	:	
Seminar/Worksh	iop:		
Class Activity:		$\sqrt{}$	
Case Study:			
Other Assignments Case Study Other assignments/ho		ς: √	
3. Student Assessmen	t:		
Method of Asses	ssment		Percentage of total
Written examina	tion		68

Midterm exams	16
Oral Examination	0
Practical/laboratory work	0
Other Assignments/class work	16
Total	100%

Members of Examination Committee:

- a. Prof. Abdelazim Sobieh Ibrahim
- b. Dr. Tark Abd El-alim
- c. Dr. Galal Abd El Maged Atlam

Role of external evaluator:

4.]	Facilities	and	Teaching	Materials	;
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Totally adequate	
Adequate to some extent	1
Inadequate	

5. Administrative Constraints

- Students need extra hours for practical application.
- Insufficient class rooms and Halls.
- Insufficient assistant staff members.

o. Student Evaluation of the cours	e: Response of Course Team
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7. Comments from external evaluator(s):

Response will be received.

8. Course Enhancement:

This is the first year plan

9. Action Plan for Academic Year 2012 – 2013

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	No feedback of the examination to the students, so exams can not	- Formative exams during the term with a feedback to the students.	- Faculty - Department	2013

	be used for learning.			
Quality of Teaching and Learning				
Learning resources	Insufficient rooms and Halls	-More rooms.	- Faculty	2013
Course				

Course Coordinator: Prof. Abdelazim Sobieh Ibrahim				
Signature	:			
Date:	/	1		