



Annual Course Report

(Real Time Control systems)

A- Basic Information

1. Title and Code **Real Time Control systems
AC443**
2. Programme(s) on which this course is given AC
3. Academic year / Level of programme 4th year/ 1st Semester
4. Units/Weekly hours

Lecture Tutorial/Practical Total

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

i- Assoc. Prof. Mohammad El Bardini

Course coordinator: Assoc. Prof. Mohammad El Bardini

External evaluators:

B- Statistical Information

No. of students attending the course: No. 382 %
No. of students completing the course: No. 380 % 99.48

Results:

Passed: No. 376 % 98.95
Failed: No. 4 % 1.05

Grading of successful students:

Excellent: No. 44 % 11.58
Very Good: No. 101 % 26.58
Good: No. 125 % 32.89
Pass: No. 106 % 27.89

C- Professional Information

1. Course Teaching

Topic	No of hours	Lecturer
Introduction to Real Time Systems	5	Assoc. Prof. Mohammad El Bardini
Types of real time systems	5	
Sequential and supervisory control	5	
Soft ware requirements	5	
Real time operating systems	5	
Embedded real time operating system	5	
Hardware requirements	5	
Hardware requirements	5	
Types of interfacing	5	
Direct digital control systems	5	
Designing real time control systems	5	
Designing real time control systems	5	
Case study	5	
Applications	5	
Total	70	

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:

Case Study

Other assignments/homework:
A real world project assigned.

3. Student Assessment:

Method of Assessment	Percentage of total
Written examination	68
Midterm exams	16
Oral Examination	0
Practical/laboratory work	0
Other Assignments/class work	16
Total	100 %

Members of Examination Committee:

- a. Assoc. Prof. Mohammad El Bardini
- b. Dr. Samir Badawy
- c. Dr. Magdy El Gatwary.

Role of external evaluator:

4. Facilities and Teaching Materials:

Totally adequate	<input type="checkbox"/>
Adequate to some extent	<input checked="" type="checkbox"/>
Inadequate	<input type="checkbox"/>

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

- Insufficient background in Real Time -
Systems.

7. Comments from external evaluator(s):

Response will be received.

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 Field	Weak points	Action required	Person Responsible	Completion 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, so these examinations can be used as a method of learning.	- Faculty - Department	2013
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
Learning resources				
Course content	Gap between up-to-date information and reference text books	- Give students the formal and theoretical bases in Real Time Control..	Course coordinator	2013

Course Coordinator: Assoc. Prof. Mohammad El Bardini

Signature:

Date: / /