



Annual Course Report

(Intelligent Control Systems)

A- Basic Information

1 Title and Code	Intelligent Control Systems AC450
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 Tutorial/Practical Total

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

Prof. Belal A. AbouZalam

Course coordinator: Prof. Belal A. AbouZalam

External evaluators:

B- Statistical Information

No. of students attending the course:	No.	382		
No. of students completing the course:	No.	379	%	99.21

Results:

Passed:	No.	373	%	98.42
Failed:	No.	6	%	1.58

Grading of successful students:

Excellent:	No.	16	%	4.22
Very Good:	No.	57	%	15.04
Good:	No.	117	%	30.87
Pass:	No.	183	%	48.28

C- Professional Information

1. Course Teaching

Topic	No of hours	Lecturer
Introduction to intelligent systems and their applications	5	Prof. Belal A. AbouZalam
Crisp sets and fuzzy set theory	5	
Fuzzy operation and relations	5	
Fuzzy relations and compositional rules of inference	5	
Fuzzy Logic Control (FLC) Fuzzy like-PD	5	
Fuzzy Logic Control (FLC) Fuzzy like-PI	5	
Comparison between conventional control and Fuzzy Logic Control	5	
Neural networks introduction	5	
Intelligent systems and Neural networks	5	
Types of Neural networks	5	
Analysis of learning methods	5	
Neuro Control methods	5	
Fuzzy Neural networks	5	
Control systems 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:

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.	- Faculty - Department	2013
Quality of Teaching and Learning				
Learning resources				
Course content	Gap between up-to-date information and reference text books	- Give students more implementation exercises that cover their understanding of course.	Course coordinator	2013

Course Coordinator: Prof. Belal A. AbouZalam

Signature:

Date: / /