

self consistent control systems

alternatives of precise control

random precise control coefficients tabulation

robustness,

convergence,

stability,



				Course Sp	ec	ification	S					
Program (s) on which this course is given:				Aerospace E	Aerospace Engineering Department							
Department offering the program:				Aerospace Engineering Department								
Department offering the course:				Aerospace Engineering Department								
Academic Level:				PhD								
Date				April 2015								
Semester (based on final exam timing)				Fall								
A- Basic Infor			<u></u>				-					
1. Title:	Recognition, estimation precise control			n and		Code:		AER750				
2. Units/Credit hours per week:	Lectures	2 h	rs	Tutorial		Practica		cal	Total	2 hrs		
B- Professiona	al Infor	mation										
1. Course description:		 parameters during control period, precise control systems, self consistent control systems, stability, robustness, convergence, random precise control, coefficients tabulation, alternatives of precise control a) Knowledge and Understanding 										
2. Intended Learning Outcomes of Course (ILOs):		 Students will be able to understand the fundamental concepts of Evaluation of precise control parameters during control period . Students will be able to understand the precise control systems. 										
		I Studente will be able to understand stability robustness convergence random presise										
		c) Professional and Practical Skills										
		 Students will be able to understand the coefficients tabulation, alternatives of precise control. 										
		d) General and Transferable Skills										
3. Contents												
Topic			J	fotal hours		Lecture	s hours		Tutorial/ Prac hours	ctical		
Evaluation of preci	se control	parameter	8	4			4					

6

4

4

6

Lectures ()

6

4

4

6

Training/Laboratory ()

Seminar/Workshop ()

Practical

		Class Activity ()	Case Study ()	Projects () Other:				
		E-learning ()	Assignments/Homework ()					
5. Student Assessment	Methods	1						
Assessment Schedule			Week					
Assignment 1			Week 2					
Assignment 2			Week 5					
Assignment 3			Week 7					
Assignment 4			Week 11					
Weighting of A	ssessments	i						
Assignments			25%					
Attendance			5%					
Final-term Examination		70	70%					
6. List of References								
6.1- Course Notes								
6.2- Essential Books (Te 1. Self Tur	xt Books) ning Adaptive Con	trol.						
6.3- Recommended Boo	ks							
1. Feedbac	k Control Systems	[John Van De Vegte].					
	or Teaching and	Learning						
7. Facilities Required f	8							
7. Facilities Required f								
7. Facilities Required f. Data Show , Screen.Course Coordinator:	Prof. Gamal M	. El-Bayumey						