		The Univ School	-					
Dep	partment	Course Name			Course Number		Se	mester
Mechanic	al Engineering	Advanced Mechani	cal Vibrat	tion	0	904710		
		2005 Cours	e Catalo	g Descri	iption			
]	[nstructo					
	Name	E-mail	Sec	(Office H	ours	Lectu	ire Time
		r	Fext Boo	oks				I
		Text b					Text book 2	
Title		Elements of Vibration Ana	lysis			Dynamics of	Structures	
Author(s)	E 7 E 3 1°4°	L. Meirovitch				R. Clough AcGraw-Hill		
Publisher,	Year, Edition	McGraw-Hill	Referenc		ľ	AcGraw-Hill		
Books			Kelerend	es				
Journals								
Internet lin	lks							
		Р	rerequis	ites				
Prerequisit								
	es by course							
_	es by course							
Prerequisit	e lor		• 0					
	1		pics Cov	reed	1			
Week		Topics			Chap	ter in Text	Se	ctions
		Equations of Motion						
		f-Freedom Systems						
		For Continuous Systems						
		ethods for Continuous System						
		Formulation and System Ident	ification					
	Nonlinear System							
		Cou	rse Outo	comes				
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
			Evaluati	on				
Assessment	Tools	Expected Due Date	e					Weight

H.W. and Assignments			20%
First Exam			20%
Second Exam			20%
Final Exam			40%
Cont	ribution of Course to Mee	et the Professional Compor	nents
Relations	hip to Mechanical Engine	ering Program Objectives	(MEPOs)
Relations MEPO1	hip to Mechanical Engine MEPO2	ering Program Objectives MEPO3	(MEPOs) MEPO4