

**EEE 213****MICROWAVE DEVICES AND CIRCUITS****FALL 2005**

Instructor : Preetham B. Kumar      Office hours: MW: 11 a.m.- 1 p.m.  
Office : RVR 5006  
Telephone : 278-7949  
Internet : <http://www.ecs.csus.edu/eee/bios/kumar.html>  
Prescribed Texts : **'Microwave transistor amplifiers, Analysis and Design' by G. Gonzalez, 2<sup>nd</sup> Edition, Prentice Hall.**  
References: **'Microwave Engineering' by David M. Pozar, 2nd Edition, John Wiley and Sons.**  
**Agilent-EEsof Advanced Design System (ADS) Manual**

**Class Schedule for Fall 2005**

WEEK	BEGINNING	TOPICS	CHAPTERS
1	08/29/05	Review: 2-port analysis, S parameters, Smith Chart	1
2,3	09/05/05	Microwave tubes and transistors	1, Handouts
4,5	09/19/05	Review of matching networks	2
6,7	10/03/05	Microwave amplifier design	3
8,9	10/17/05	Amplifier Lab	
10,11	10/31/05	Noise analysis	4
12,13	11/14/05	Microwave oscillator design	5
14,15	11/28/05	Lab completion and review	
16	12/12/05	Finals	

**Course Grading**

Midterm 1 : 20%  
Midterm 2 : 20%  
Finals : 30% (comprehensive)  
Projects: 20%  
Homework: 10% (bi-weekly)

**All exams are open text book (no notes)**

