	ECEN 5713 Linear Systems Fall 2000
<u>Time</u> :	Monday/Wednesday 1:30-2:45 PM
Place:	Telecommunication Center (TELC) Studio C
<u>Text</u> :	Modern Control Theory, 3rd edition, William L. Brogan Prentice-Hall, 1991 (eewlb@ee.unlv.edu)
<u>References</u> :	<i>Linear Systems</i> , Panos Antsaklis and Anthony Michel McGraw-Hill, 1997 (antsaklis.1@nd.edu) <i>Linear System Theory and Design</i> , Chi-Tsong Chen Oxford, 1984 (ctchen@sbee.sunysb.edu) <i>Linear Systems</i> , Thomas Kailath Prentice-Hall, 1980 <i>Linear Systems</i> , Ray DeCarlo Prentice-Hall, 1989
Instructor:	Professor Gary G. Yen, http://www.okstate.edu/elec-engr/faculty/yen 405-744-7743, gyen@ceat.okstate.edu Engineering South 202D Office Hours: Monday/Wednesday 3:00-5:00 PM
<u>Objectives</u> :	 To study the fundamental theory of finite-dimensional linear system with emphasis on the state-space representation and its solution. The topics include mathematical basis-matrix theory, linear algebra, vector space system representation-input-out operator, geometric approach, <i>state space representation</i>, transfer function algorithm conversion of alternative representations linear dynamical solution controllablity, observability, stability and control linearization and minimal realization state feedback and state estimation
<u>Grading</u> :	10/11 Weekly Homework Assignments20%8/30, 9/11, 9/18, 9/25, 10/4, 10/18,10/25,11/1, 11/15, 11/22, 11/29Midterm Exam 1 (October 11)25%Midterm Exam 2 (November 8)25%Final Exam (December 12, 8:30-10:20 AM)30%A-85% above; B-76%-85%; C-66%-75%; D-65% below
<u>Note</u> :	All exams are open notes, but close book.