	ECEN 3723 Systems I Fall 2000 Syllabus	7
<u>Time</u> :	Tuesday/Thursday 2:00-3:15 PM	
Place:	Cordell 128	
<u>Prerequisite</u> :	ENGSC 2613- Introduction to Electrical Science MATH 2613- Differential Equations	
<u>Text</u> :	System Dynamics Katsuhiko Ogata, Prentice-Hall, 1998	
<u>References</u> :	Discrete-time and Continuous-time Linear Systems Robert J. Mayhan, Addison-Wesley, 1984 Signals and Systems- an Introduction Leslie Balmer, Prentice-Hall, 1991 Signals, Systems and Transforms Charles L. Phillips and John M. Parr, Prentice-Hall, 199	5
Instructor:	Professor Gary G. Yen, Engineering South 202D http://www.okstate.edu/elec-engr/faculty/yen 405-744-7743, gyen@ceat.okstate.edu Office Hours: Tuesday/Thursday 3:15-5:00 PM	
Objectives:	 To introduce some basic tools needed for signal and syst analysis and design applicable to dynamic controls throug mathematical derivations and computer simulations. The topics include signals and systems representation <i>Laplace</i> transform solving differential equations <i>z</i> transform solving difference equations modeling of electrical systems modeling of mechanical systems time-domain analysis frequency-domain analysis state space model and its solution 10/11 Weekly Homework Assignments 8/31, 9/7, 9/14, 9/21, 10/10, 10/17, 10/24, 11/9, 11/16, 11/23, 11/30 Computer Simulation Project Midterm Exam 1 (September 28) Midterm Exam 2 (October 31) 	
Note:	A -85% above; B -76%-85%; C -66%-75%; D -56%-65%; All exams are open books and class notes.	