

CONCORDIA UNIVERSITY

Linear Systems

ENGR 613/2 & ENGR 471/2

Instructor: Chun-Yi Su	Office: H549-9
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Lectures: 10:15-11:30 on Wednesdays and Fridays	Office Hours: when available
Web: http://me.concordia.ca/~cysu/engr613&engr471.htm	
Textbook: <i>Modern Control Theory</i> , William L. Brogan, Prentice Hall, 1991, 3 rd Edition	
Software: <ul style="list-style-type: none">• The Student Edition of <i>MATLAB</i>, by MathWorks, Prentice-Hall, 1998• <i>SIMULINK</i>	
Topic: <ol style="list-style-type: none">1. State Space Representation of Dynamical System2. Solution of the State-Space Equations for Linear Time-Invariant Systems3. Controllability and Observability4. Canonical Forms5. State Space Realizations of Transfer Functions6. Pole Assignment7. Design of Dynamic Observers8. Stability of Linear System9. Revision	
Assessment for undergraduate: Quizzes: 40% Final: 60%	Assessment for graduate: Projects: 15% Quizzes: 35% Final: 50%