EECS6302 - Dynamics of Complex Networks and Systems

EECS 6302 (BMEN 6302 and MECH 6317 and SYSM 6302) Dynamics of Complex Networks and Systems (3 semester credit hours) Design and analysis of complex interconnected networks and systems. Basic concepts in graph theory; Eulerian and Hamiltonian graphs; traveling salesman problems; random graphs; power laws; small world networks; clustering; introduction to dynamical systems; stability; chaos and fractals. (3-0) Y