SYSM6302 - Dynamics of Complex Networks and Systems

**SYSM 6302 (BMEN 6302 and EECS 6302 and MECH 6317)** 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