SOCIAL SCIENCE (COLLEGE OF) - Descriptions of Courses

490. Individual Research Projects
Fall, Winter, Spring. 4 credits. May re-enroll for a maximum of 8 credits. Approval of department. Individual supervised study and research on a topic using a multidisciplinary approach.

491H. Perspectives in the Social Sciences and Humanities
Fall, Winter, Spring. 2 to 6 credits. May re-enroll for a maximum of 12 credits if different topic is taken. Juniors, approval of Honors College, or approval of instructor. Interdepartmental with the colleges of Arts and Letters and Justin Morrill and administered by the College of Arts and Letters. An integration of subject matter and methodologies of several disciplines as they are relevant to particular topical areas.

495. Foreign Area Field Study
Fall, Winter, Spring, Summer. 3 to 15 credits. May re-enroll for a maximum of 24 credits. Juniors and 12 credits in social science. Study in a variety of foreign settings under the guidance of an adviser, such as American University Field Study Centers in Rome and Singapore.

810. Introduction to Linear System Theory
Fall. 3(3-0) MTH 214. Interdepartmental with the Department of Computer Science and Systems Science and administered by Systems Science. A first course in system theory for students from a range of disciplines. Mathematical representation of system variables, transforms and state space method of analysis, introduction to control theory, applications to physical, economic and social systems.

811. System Methodology and Simulation
Winter. 3(3-0) 810. STT 441. Interdepartmental with the Department of Computer Science and Systems Science and administered by Systems Science. Problem definition, design of abstract models for system design and control, simulation of systems described by differential and difference equations, generation of random variables, simulation of discrete object stochastic systems, simulation languages, applications to physical, economic and social systems.

813. System Project
Spring. 0-1(0) 811. Interdepartmental with the Department of Computer Science and Systems Science and administered by Systems Science. Individual or team application of simulation methods to system design and/or management, computer simulations of complex technological and social systems.

999. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of college.