Interdisciplinary Courses

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**IDSY/PHYS 215 Introduction to Complex Systems**  
Study of how collective behavior emerges from the interaction between a system's parts and its environment. Model systems from the natural sciences and social sciences will be used as examples. Both historical and contemporary approaches will be discussed.

**IDSY/MATH 305/PHYS 482 Dynamic Models in Social Science**  
The study of why mathematical and computational methods are important in understanding social phenomena, and how different social phenomena can be described by proper mathematical models. Specifically, applications of the theory of dynamical systems will be presented. Designed for math/science and social science students. Either MATH/PHYS 270 or this course, but not both, may be counted towards the major in mathematics.

**IDSY 593 Senior Individualized Project**  
Each program or department sets its own requirements for Senior Individualized Projects done in that department, including the range of acceptable projects, the required background of students doing projects, the format of the SIP, and the expected scope and depth of projects. See the Kalamazoo Curriculum -> Curriculum Details and Policies section of the Academic Catalog for more details.  
*Prerequisite: Permission of department and SIP supervisor required.*

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