Interdisciplinary Courses

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**IDSY 198 Independent Study**

**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 295 Experiential Learning Pathways Foundation**

The Experiential Learning Pathways offer students opportunities to engage in transformational, community-based learning that facilitates personal growth and fosters social change. The Winter 2022 class will center around an experiential learning project or projects related to Food & Farming Justice and Cities that will provide students opportunities to develop communication, collaboration, intercultural competency, and problem-solving skills. Students must contact Amy Newday prior to enrolling in this course for a description of the projects and the commitments necessary to participate in this course.

**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 395 Your Work in the World**

The Fall 2020 Your Work in the World course marries internship experience with linked academic work and is designed specifically as an opportunity for juniors as an experiential education replacement for lost study abroad opportunities due to the COVID-19 pandemic. Students do not need to have an internship lined up to register for this course.

**IDSY 395 Experiential Learning in Context**

This course accompanies an experiential education opportunity and provides a way for students to learn about, reflect and improve on a non-traditional learning experience. This experience can be an internship, volunteer position, employment, service-learning opportunity, or other relevant position. A minimum of 50 hours of engagement in the experiential component is required during the quarter in which the student takes this course. Students will explore contextual and/or theoretical issues related to the experiential component and engage in career-readiness activities in order to connect different types of learning to their K Plan. A student may take this course multiple times for credit if the course content is different.

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