

## **Spring 2015 Experimental and Special Topics Course Descriptions**

### **BIOL 394: Invasive Species**

3 credit hours

This course will provide students with at current perspective on invasive species, including characteristics of invasive species, ecological impacts of introducing non-native species, and the evolutionary processes that are driven by species introductions. These will also cover methods to control and prevent spread of invasive species, focusing specifically on species that are present in the state of Ohio and including two service learning days, one to control invasive weeds on campus and the other to control invasive weeds in the community.

### **COLL 394: Peer Educator Program II:**

#### **Sexual Assault & Substance Use Prevention Programming**

1 credit hour

Students enrolled in this course will implement peer education sessions, leading the effort to prevent sexual assault and abusive drug and alcohol use on our campus. These programs will be organized and supervised under the direction of members of the Psychology Department and the J. Michael Harding Center for Health and Wellness. Requires completion of COLL 294 Peer Educator Program I.

### **EGRG 394: Advanced Heat Transfer**

1 credit hour

Differential analysis of heat transfer in complex systems, including steady and unsteady state, will be explored. An emphasis is placed on modeling commercial systems. Conduction, convection, and heat transfer equipment are covered in detail.

### **ENVS 394: Natural and Social History of Oceania**

3 credit hours

Course presents a survey of Pacific Island history from prehistory to current geopolitical realities (Social History) while simultaneously introducing the unique ecologies of these Islands and Archipelagos (Natural History). Course addresses the original exploration and colonization of the Pacific Ocean by the ancestors of the Micronesians, Melanesians and Polynesians, and the ways that they developed their societies. The course will consider the environmental impact of islanders on their new homes, the development of sailing and navigation, and the growth of warfare and chiefdoms. Explore impact of European and American exploration and colonization post Cook. Finish with a survey of traditional and modern Pacific societies as they exist today throughout Oceania. Australia, New Zealand, Papua New Guinea, Fiji, The Solomons, Vanuatu, French Polynesia, Kiribati, Tonga, Samoa, Guam, and other significant populated areas in Oceania will be addressed. Sustainability, Sea Level Rise, Drought and Climate Change: Challenges of the 21<sup>st</sup> Century.

### **GEOL 394: Environmental Hydrogeology**

3 credit hours

This course will cover various aspects related to hydrogeology including water budget, interactions between its components, hydrogeologic cycle, aquifer properties, principles of ground water flow and methods for computing the flow, recharge concepts, and ground water contamination and management issues. Students will develop quantitative skills and learn methods computing groundwater flow, perform hydrogeologic investigation and be familiar with techniques that are used to solve problems related to groundwater occurrences, flow, and contamination issues.

**HIST 294: Women in East Asia**

3 credit hours

The purpose of this course is to examine the lives and writings of women in East Asia, from the earliest written records to the beginning of the 20th century. The geographical range will include China, Japan and Korea. The focus will be on how women perceived themselves and the world about them, and also how they were and are recorded within their worlds. We will be considering these lives within their social, cultural, political and economic contexts. We will pay particular attention to questions concerning gender and gender relations. Classes will consist of a combination of lecture and discussion, with a good portion being devoted to the texts that have been assigned.

**PHED 194: Walking for Fitness**

1 credit hour

This course will introduce students to appropriate knowledge concerning walking as a fitness program. Emphasis will be placed on proper stretching, standard conditioning practices, proper clothing, fluid intake requirements, cardiovascular value, injury prevention, general safety guidelines, basic nutrition needs, and fitness goal setting utilizing walking.

**PSYC 301: Popular Culture and Intimate Violence**

3 credit hours

This course will review the relationship between cultural attitudes and institutions and intimate violence. Specific topics will include dating/domestic violence, sexual assault and child abuse. The experience of violence within close relationships will be examined in relation to media, educational institutions, technology and other aspects of American society today. This course is designated as a Curriculum Honors course. Students will be expected to perform at a level appropriate for this designation including actively participating in a seminar style learning environment.

**SPTM 294: Sports Medicine the Irish Way**

3 credit hours

This course will allow students to learn different medical techniques and cultural differences in the United States and other countries. It will also allow students to gain hands-on practical experience in Ireland. This course is linked to a study abroad trip. The class will leave the Tuesday following graduation for 14 day to Ireland. Students will participate in class work on campus as well as lectures in Ireland. Students may also be able to gain practical hours working with different clinics, teams, or hospitals. Additional fees apply.

**THEA 194: The Backstage Experience**

3 credit hours

Students are introduced to the fundamental principles of theatre design and the artistic operation of theatre through lectures, hands-on participation, class discussions, sketchbook, journal of design observations, critical reviews of realized productions, text analysis, and weekly presentations. Throughout the semester students perform design assignments that are then presented and critiqued by both students and faculty in class. The course culminates in two ways: a collaborative project in which students create a design for a designated play text with conceptual rationale presented before the class; a production assignment in which students participate as a member of the tech/design/run crew, afterwards reflecting on and evaluating the experience.