

17/SPR LAR, LCM and Selected Topics courses



LAR-202-1 & 2 **Democracy and Diversity** **Johnson-Farr**
Section 1 T/TH 11:30-12:45PM Section 2 T/TH 2:30-3:45PM

A course that explores and examines how we create a vision of social justice and equity in our development of a diverse citizenry. Although focus is for pre-service teachers it affords others with hooks to their professional journey in understanding the complexity of the human experience.

LAR-202-3 **Religion vs. Science Showdown** **Hart**
T/TH 9:30-10:45AM

Recent debates over climate change and evolution demonstrate the difficulties arising when science and religion cross paths. In a collaborative setting, students will apply and integrate knowledge and experiences to examine issues of religion and science from multiple perspectives. The course will achieve the outcomes above primarily through two, month-long Reacting to the Past (RTTP) games. During the RTTP games, students will assume the roles of one or more historical characters, work together in factions, delve deeply into important historical texts, debate controversial issues (while in character), and engage in various kinds of writing. The first game focuses on the 17th century trial of Galileo in which players will debate the sun-centered universe; the second game centers on debate about Darwin's theory of natural selection in *The Origin of Species*.

LAR-202-4 **Compassion and Altruism: Pathways to Serve** **Cooper**
T/TH 9:30-10:45AM

This course will focus on sociological, philosophical and theological perspectives of compassion in an exploration of altruism for the greater good and offer methods by which we can infuse an ethic of caring into our society and the environment. Individuals can function as social change agents toward the creation of a more caring society.

LAR-202-5 **Democracy and Diversity** **Marley**
M/W/F 2-2:50PM

In a collaborative setting, students will apply and integrate knowledge and experiences to examine complex questions related to democracy and diversity from multiple perspectives. In this course students will examine diverse cultures at points of constitutional crisis through which democracies emerged, first in a western culture, *The Threshold of Democracy: Athens in 403 B.C.*, and second in a non-western culture, *Defining a Nation: India on the Eve of Independence, 1945*. Throughout the course, students will also examine the ongoing deliberations on race and diversity in our modern democracy.

LAR-303-1 **Rethinking Borders** **List**
M/W/F 10-10:50AM

Borders: What are they? Where do we find them? What functions do they serve? This LAR 303 course explores the concept of border not only from the traditional understanding of the term but also as a metaphor. In this course, students will identify, analyze and reflect upon the borders that construct and inform their realities. Topics in this course may include: immigration, the self and the other, gender, education and knowledge, community, ecology and the environment, cultural and linguistic diversity, and finally, school and the working world. In addition to readings, films and classroom discussions, students will engage in problem-based learning and service learning.

LAR-303-2 **Human Trafficking** **Bossard**
W 2-4:30PM cap 10

Human trafficking refers to the buying and selling of labor illegally. It can be very profitable for businesses to purchase workers who are trafficked because the labor cost is so cheap. In this class, we will address the 'who, what, when, where, and whys' of human trafficking. To answer these questions, we will read books, articles, and reports; we will watch documentaries; and we will talk with guest speakers who work in areas related to human trafficking. We will look at the issues of human trafficking from the perspectives of business and economics as well as other 'lenses,' including psychology, sociology, religion, and political science. During the semester, students will work individually and in teams to research different aspects of human trafficking. Assignments will include writing a research paper, making a presentation, completing a 'create awareness' project, and writing a reflections paper.

LAR-303-3 **Devised Theatre for Social Change** **Egger**
M/W/F 12-12:50PM

This course will engage students in the collaborative nature of creating a devised theatre experience by examining the differences between journalism and performance, while challenging notions of what it means to make social commentary versus working for social change. Students will research, write, and participate in all aspects of the collaborative process from brainstorming and exploring ideas to expressing their views and research, and the course will culminate in an original, devised theatrical event. The course will explore the topic of "Immigration" through the lens of theatrical practice. Utilizing guest artists, techniques such as Augusto Boal's "Theatre of the Oppressed", Anne Bogart's Viewpoints movement work, and other forms of ensemble theatrical work, students will experience fully what it means to translate Story into Action.

LAR-303-4**Documentary and Experimental Film:****Creative Expression, Social Commentary****Sutera**

T/TH 1:00-2:15PM

This class examines a wide range of historic and contemporary experimental and documentary films produced worldwide as forms of creative expression and social commentary. The class structure will involve readings, short lectures, discussions, film clip viewings, and basic instructions on video production techniques using minimal equipment on a limited budget. Class assignments will come in the form of short writing assignments, quizzes, exams, and a student-produced experimental or documentary film focusing on a contemporary social issue involving an outside discipline such as science, environmentalism, economics, feminism, etc., as the final project. Students will also be required to devise a plan for distribution, exhibition, and/or submission to film festivals as part of the final project. Students will have access to Doane University video cameras and editing software at Gaylord Hall and will also have the option to use their own equipment (smart phones, etc.) in producing their final documentary/experimental film projects.

Learning Community**LCM-371-1****The Environmentally Literate Citizen (7 cr.)****Diercks and Soucek**

T/TH 1-3:45PM cap 25

Course learners will demonstrate skills and dispositions they need to understand in order to act on environmental problems and issues as responsible citizens and to continue the learning process throughout their lives. The course will promote active and responsible citizenship by challenging learners to hone and apply problem-solving, analysis, persuasive communication, and other higher level skills in real-world contexts. *This course counts as credit for GEO-101 (4) and EDU-338 (3).*

Selected Topics**BIO-271-1****DIVAS Seminar I (1 cr.)****Durham Brooks**

T 3-3:50PM cap 10

This seminar is an introduction to the Doane Digital Imaging and Vision Applications in Science Project. Students will learn about the many areas of the natural sciences where image data is used including medicine, agriculture, and analytical chemistry. Students will learn about technologies used to collect image data and will learn what makes a good image. Students will meet professionals who work with images and will be introduced to the collaborative work environment they utilize in their projects. Students who have been selected as DIVAS scholars are required to enroll in this seminar before starting summer research.

BIO-271-2**SUCCESS Program 1st Year STEMinar (1 cr.)****Sikich**

M 3-3:50PM cap 9

This course is part of the SUCCESS Program, and all first-year SUCCESS Scholars must enroll in this course. Students will investigate contemporary scientific discoveries across a variety of disciplines and discuss not only the significance of those findings to a given field, but also how these new discoveries can be used across scientific disciplines. After taking this course, students will have a better understanding of how truly interdisciplinary science can be. Students will be exposed to science discoveries in both the general media and primary research literature.

BIO-271-3**Phage Genome Annotation (2 cr.)****Doyle**

T/TH 1-2:15PM cap 12

Students will build on data collected in BIO 110 by assembling and annotating the genomes of one or more bacteriophage isolated in the fall by BIO 110 SEA-PHAGES students. During the course, students will complete one or more genome annotations that will be released to the larger scientific community through the National Center for Biotechnology Information's GenBank database. Students will gain hands-on-experience working with raw sequencing data, calling genes, and assigning gene functions. Students will gain a broader understanding of the kinds of information available in biological sequence databases and how that information is generated. Students will demonstrate the ability to evaluate the available information and use it appropriately.

BIO-371-1**Genomes and Phenomes (4 cr.)****Doyle, Durham Brooks**

M/W/F 1-2:25PM cap 20

Despite significant scientific advances that make it relatively easy to sequence an organism's entire genome, making sense of that information remains a difficult and complex task. Genomics, the study of how an organism's genetic code is constructed and used by an organism, and phenomics, the study of how all of an organism's functions depend on its genetic makeup and environment, are intimately linked fields. They encompass many subdisciplines, such as bioinformatics, proteomics and metabolomics, statistical genetics, and systems biology. Brought together, these two fields have the potential to help scientists revolutionize human health and agriculture by enabling prediction of phenotypes from genotypes. Students in this course will: describe how genome sequences are determined using DNA sequencing and genetic mapping approaches; use comparative genomics to understand genome function and evolution; analyze genome expression at the transcript, protein, and metabolite levels to determine genome function; understand and apply statistical genetics approaches to find genome regions responsible for mediating a given phenotype; and reflect on the ethical implications of this research. Students will explore these areas as they apply to relevant problems in human health and agriculture using fundamental mathematical and genetics concepts in addition to new skills gained in database utilization and computation.

BUS/ECO-371-1**Asian Markets in Transition (3 cr.)****Bruntz**

M/W/F 9-9:50AM cap 15

China's economy has grown more rapidly than any other nation's over the last three decades. In this course, students will explore the dynamism of China's recent economic transformations, and the implications of this rise on national, regional, and global networks of exchange, including those with India, the U.S., and Africa. Furthermore, throughout the semester we will address fundamental questions about China's capitalist marketplace, how institutions and institutional change currently influences economic development, and the challenges China's economy faces in the context of Chinese society.

ENG-271-1 Writing Center Theory and Practice (3cr.) Leibman
M/W/F 2-2:50PM cap 10

A course exploring both philosophical and applied issues, Writing Center Theory and Practice offers students a chance to consider the origins and development of what has become an exciting hub within many higher education institutions across the last half-century: the Writing Center. Students will analyze such a space as a potential site for bridging disciplines, critiquing literacies and power, and studying tutoring pedagogies. Successful completion of this course is a prerequisite for students wishing to apply to work in the Doane University Writing Center, but it also offers students interested in writing instruction or educational methodologies an additional opportunity to explore such topics in a supportive community. Students completing this course will be able to 1) recognize the Writing Center's evolving role in higher education, 2) identify the major ideologies that guide writing tutoring in the 21st century, 3) demonstrate various tutoring strategies, and 4) analyze how the 'performance' of tutoring enacts values concerning literacy and power.

EVS-271-1 Principles of Environmental Public Health (3cr.) Dempsey
T 6:30-8:45PM cap 18

This course explores the environmental factors that may adversely impact human health, from contaminated soil, air, and water, to climate change and infectious diseases. We will discuss the impact of health disparities and identify populations that are particularly vulnerable to environmental hazards. You will become familiar with methods for addressing these issues from risk assessment to emergency response. Classes and field trips will focus on current issues and draw on the expertise of those working in the field. Upon successful completion, students will be able to demonstrate a general knowledge of environmental public health and become familiar with career opportunities in the field.

IST-371-1 Design Patterns (3 cr.) Meysenburg
M/W/F 1-1:50PM cap 20

Design patterns are reusable solutions to commonly occurring software design problems. Patterns are the best practices of object oriented design, refined and perfected through experience, that have been distilled into several easy-to-understand packages. In this course, we will learn several design patterns, and implement them in the Java programming language. Students who successfully complete this course will have knowledge of several design patterns, be able to recognize when they are useful in particular instances, and be able to implement them in actual code.

PED-371-1 Coaching Soccer (2 cr.) Lawson
T/TH 11-11:50AM cap 18

An examination of methods of coaching offensive and defensive styles of play as well as rule interpretations, consideration for athletes' psychological characteristics and needs, and equipment needed in secondary school interscholastic soccer programs.

PHI-271-1 Philosophy of Religion (3 cr.) Monaghan
T/TH 2:30-3:45PM cap 25

Does God exist? In this course, we will endeavor to answer this question once and for all. We will do so by critically examining a variety of philosophical arguments that purport to prove the existence of God beyond any possible shadow of a doubt. We will also examine several philosophical arguments that purport to prove his non-existence in such a manner. Along the way, students will also learn a great deal about what various philosophers and theologians have thought about the nature of God and the various so-called divine attributes (e.g., omnipotence, omniscience, and omnibenevolence). Upon successful completion of the course, students will understand the ontological, cosmological, and teleological arguments for the existence of God, as well as the problem of evil.

SPA-271-1 Spanish for Spanish Speakers (3 cr.) Pope
M/W/F 2-2:50PM cap 22

This course is designed for students who were raised in Spanish-speaking homes but have had little to no formal training in the language. The course is not meant to eliminate or 'fix' the Spanish the student already uses. Instead, students will enrich their linguistic skills by developing new ones. While all conversational and literary skills will be addressed, particular focus will be placed on reading and writing via cultural and community activities.

THE-371-1 CADD for the Theatre (3 cr.) Stander
T/TH 11-12:15PM cap 12

Study and application of computer-aided design focused on the creation of technical theatre drawings. Upon successful course completion student's will be able to work quickly and accurately to create two dimensional CADD files, read and manipulate existing CADD files and form the foundation of a digital design/tech portfolio.

Don't Forget Spring Travel Courses!

Travel satisfies the Experiential Learning component of Doane Core Connections
Jr's/Sr's are eligible for \$1000 Travel Scholarship

Scotland and England: Indoors, Outdoors, and Beyond TVL-300-1
Discovering France and Italy TVL-300-2
The Hawaiian Islands TVL-300-3
Cultural (Auto) Biographies: Learning with Panama TVL-300-4