

## Add-on Courses By Co-requisite Course May 23<sup>rd</sup>

<p>AGEC 1113.ANY Intro To Ag Econ            Add-On AGEC 4990.702 Deeper Analysis Of Agec Issues            Schatzer, Raymond Joe            R 0200PM-0250PM            Discussion of selected agricultural and rural issues related to agricultural family finances, agribusiness planning, consumer behavior, agribusiness start-ups, current agricultural news topics, and history of economic thought.</p>
<p>AMST 2103.ANY - Intro To American Studies            Add-On HIST 3980.706 Race &amp; Gender in Wild West            Arata, Laura Joanne            W 1230PM-120PM            "This honors section will explore some of the ways that race and gender impacted the development of the legendary 'Wild' West in the nineteenth and twentieth centuries. We will examine the kinds of people who give the 'Wild' West its character - cowboys, Indians, outlaws, lawmen - and explore how this history can sometimes be conflicting or contested.→† We will consider such varied topics as the role of African American cowboys, who should go down in history as the worst outlaw in the west, and how women played significant parts in the settling of the frontier. We will consider why some westerners became famous while others did not, and look for new ways to view old stories."</p>
<p>AMST 2103.ANY - Intro To American Studies            Add-On HIST 3980.706 Race &amp; Gender Race &amp; Gender in Wild West            Arata, Laura Joanne            W 1230PM-120PM            "This honors section will explore some of the ways that race and gender impacted the development of the legendary 'Wild' West in the nineteenth and twentieth centuries. We will examine the kinds of people who give the 'Wild' West its character - cowboys, Indians, outlaws, lawmen - and explore how this history can sometimes be conflicting or contested.→† We will consider such varied topics as the role of African American cowboys, who should go down in history as the worst outlaw in the west, and how women played significant parts in the settling of the frontier. We will consider why some westerners became famous while others did not, and look for new ways to view old stories."</p>
<p>AMST 2103.ANY Intro To American Studies            Add-On HIST 3980.702 Us Disabilities            Kinder, John Matthew            W 0230PM-0320PM            Recent studies estimate that nearly a billion people worldwide are disabled, among them more than 50 million Americans. However, the history of disability in America has largely been ignored. In this honors add-on, students will examine the not-so-hidden histories of disabled Americans. Besides reading→†Kim Nielsen's award-winning A Disability History of the United States, each student will complete a service learning project designed to explore how disability has been imagined, naturalized, and/or challenged in modern America.</p>
<p>AMST 2103.ANY Intro To American Studies            Add-On HIST 3980.704 Amer Hist In Pop Culture            Hughes, Charles L            T 1030AM-1120AM            AMERICAN HISTORY IN POPULAR CULTURE - In this course, we'll think about the ways that American history has been presented in popular culture.→† We'll examine how key moments and trends have been remembered and discussed in films, television, music, literature, food and fashion.→† As an accompaniment to History 1103, this course will both enrich and complicate our understandings of the historical experiences of people in the United States.</p>
<p>ANSI 2253. Meat Animal And Carcass Evaluation Add-On ANSI 4900.701 Retail/Food Service Meat Value            Mafi, Gretchen Gayle            W 1030AM-1120AM            Students will evaluate meat cuts of different value offered in grocery stores and restaurants. Quality and yield traits will be calculated and value determined. Products will range from high quality USDA Prime Beef to low value chicken/pork hot dogs. Students will gain an understanding of meat processing and how meat is valued because of different ingredients, fat levels, raw product sources, and cooking methods. Product prices, cooking methods and cooking loss, edible portions percentages, and values will be determined of all products. Students will summarize findings and at conclusion of course better understand retail and food service meat prices and values depending on initial product sources.</p>
<p>ANSI 3423.001 Animal Genetics            Add-On ANSI 4900.702 You And Your Genome            Desilva, Udaya Enderawasam            F 130PM-2:20PM            Students enrolled in this class would analyze either their own or an instructor-provided DNA sample for ancestry composition, countries of ancestry, maternal and paternal features and Neanderthal/Denisovan features etc. Students would analyze a provided random DNA profile for disease risks and traits. Students are welcome to analyze their own profiles on the own and the instructor would help them. Students would also conduct a DNA fingerprint analysis of their own DNA from start to finish in the DeSilva laboratory as part of the course.            DNA profiles would be generated by the company 23 and me. Students would incur a cost of \$99.00 if they want their own DNA profile generated, no cost if they want to analyze a random sample. Additional data analysis costs of ~\$20 is anticipated.</p>
<p>ANSI 3543.001 Principles Of Animal Nutrition            Add-On ANSI 4900.705 Honrs Principle Of Animal Nutr            Place, Sara Elisabeth            F 230PM-320PM</p>

<p>The add-on honors section for Principles of Animal Nutrition will allow enrolled students to have both discussions of current topics/research related to animal nutrition (farm animals, companion animals, wildlife). The honors section will allow the students to better understand the nutrient requirements of growth and maintenance of animals. The students will have the opportunity to present their findings to the class later in semester when the topics of nutrient requirements are covered.</p>
<p>BIOC 3653.001 Survey Of Biochemistry Add-On BIOC 4990.705 Biochemistry Of Human Disease Ruhl, Donald Dean, Jr M 0330PM-0420PM Biochemical Aspects from several human diseases, such as cancer, diabetes, autoimmune diseases, and infectious diseases, will be presented. Using this knowledge strategies for disease treatments (drugs, gene therapy, DNA cloning, vaccinations) will be explored and extended to include controversies surrounding each. Student discussions and readings will critically evaluate the merits of each side of the debate based on our biochemical understanding.</p>
<p>BIOL 1114.010-077 Introductory Biology Add-On HONR 1000.728 The Boilogy Of Biofuels Henley, William J W 2:30PM-3:20PM The Biology of Biofuels ,Äi The world is at a crossroads with increasing demand for energy to run the global economy.Ä† With most energy still derived from fossil fuels, energy use remains an environmental liability and a national security concern.Ä† Biofuels are one potential alternative. Ä†What are the environmental implications of fossil fuels vs. biofuels?Ä† What are the physiological, ecological and technological barriers to achieving economically viable and environmentally benign biofuels?Ä† In discussing these topics, we will integrate biological concepts spanning cellular, organismal and ecological levels of biology.</p>
<p>BIOL 3023.001 General Genetics Add-On BOT 4400.702 Genetics And Society Meinke, David William R 3:30PM-4:20PM Molecular genetics has moved beyond the laboratory and into the public domain, where it will continue to impact countless families and health care decisions in the coming decades. This course will examine some of the science behind recent headlines and noteworthy publications in human genetics, with an emphasis on gene mutations associated with different types of cancer and heritable human diseases. Genetic screening and personalized medicine, where treatment is driven by individualized disease characteristics and management options, will also be discussed. Case histories and research advances will be drawn from the instructor,Äôs recent experiences while on sabbatical at the UCSF School of Medicine. A combination of lectures and group discussions will be involved.</p>
<p>BIOL 3034.001 General Ecology Add-On BOT 4400.703 Foundations Of Ecology Palmer, Michael W R 12:30PM-1:20PM Foundations of Ecology - Introductory ecology courses are typically taught as a set of principles, observations, and applications. Ä†However, there is little time to present the historical development of some of the most widely held tenets and theories of ecological science. Ä†In this course, we will discuss the foundational works and great minds of Ecology, following the volume of key papers Foundations of Ecology compiled by Real and Brown. Ä†This course will be concurrent with the graduate seminar of the same name, and the honors students will have the opportunity to interact with graduate students - and jointly rediscover the roots of ecology, while gaining a deeper appreciation of the more revolutionary aspects of the scientific method. Ä†Class activities will include discussions, class presentations, and a few short educational films.</p>
<p>BOT 1404.ANY Plant Biology Add-On HONR 1000.705 The Sensitivity Of Plants Doust, Andrew Nicholas M 3:30PM-4:20PM The Sensitivity of Plants. Have you ever wondered how plants respond to changes in the environment around them? After all, they cannot just get up and go to a warmer climate when a cold snap sets in, or move to a position with a better view when other plants threaten to grow up and smother them. In fact plants are in constant and sensitive dialogue with the world around them, and have a range of behaviors that allow them to respond to herbivore attack, competition, water stress, and other environmental fluctuations. This course explores both what we know about plants,Äô abilities as well as new ways to investigate them more deeply. Students will be expected to present a talk to the rest of the class on a topic of relevance to the class.</p>
<p>ENTO 2003.001 Insects And Society Add-On ENTO 4400.701 Honors Insects &amp; Society Hoback, William Wyatt, Ii TBA Insects and Society examines the role insects have played in human lives historically and in the present day. Insects contribute more than \$50 billion dollars to the U.S. economy and they kill more than one million people worldwide every year. For the fall Honors option, we will read and discuss Locust by Jeff Lockwood. The Rocky Mountain migratory locust was the most abundant animal on the planet and caused great hardships until the early 1900s as the western United States was settled. Today, it is extinct. This book examines the impact of the locust on the American west and reasons for its unintended extinction. Students will investigate the roles of biodiversity, ecology, and human disturbance in shaping our world in the past, present, in order to consider the future.</p>
<p>FDSC 2253. Meat Animal And Carcass Evaluation Add-On ANSI 4900.701 Retail/Food Service Meat Value Mafi, Gretchen Gayle W 1030AM-1120AM Students will evaluate meat cuts of different value offered in grocery stores and restaurants. Quality and yield traits will be calculated</p>

and value determined. Products will range from high quality USDA Prime Beef to low value chicken/pork hot dogs. Students will gain an understanding of meat processing and how meat is valued because of different ingredients, fat levels, raw product sources, and cooking methods. Product prices, cooking methods and cooking loss, edible portions percentages, and values will be determined of all products. Students will summarize findings and at conclusion of course better understand retail and food service meat prices and values depending on initial product sources.

GRMN 1115.ANY Elementry German I

Add-On FLL 1000.701 Studies In German Film

Schestokat, Karin U

W 0230PM-0320PM

Studies in German Film→ Honors add-on course for GRMN 1115 and 1225 - The students will watch seven German movies - in German with English subtitles. The week following the viewing of each movie, we will discuss the themes of that movie. We will examine how the movie portrays the time in which it is set and what it says about the German society at that time. The movies selected (subject to change) deal with aspects of the Third Reich, how people tried to come to grips with the experience of World War II, and with the unification of Germany. Students are also required to write a 5 page essay on a theme relating to either one or several movies to receive honors credit. The course will be taught in English.

The movies are (tentative selection):

Nirgendwo in Afrika (Nowhere in Africa)

RosensträÙe

Europa, Europa

The Downfall

Das Wunder von Bern (The Miracle of Bern)

Good-bye, Lenin!

Das Leben der Anderen (The Life of the Others)

GRMN 1225.ANY Elementry German II

Add-On FLL 1000.701 Studies In German Film

Schestokat, Karin U

W 0230PM-0320PM

Studies in German Film→ Honors add-on course for GRMN 1115 and 1225 - The students will watch seven German movies - in German with English subtitles. The week following the viewing of each movie, we will discuss the themes of that movie. We will examine how the movie portrays the time in which it is set and what it says about the German society at that time. The movies selected (subject to change) deal with aspects of the Third Reich, how people tried to come to grips with the experience of World War II, and with the unification of Germany. Students are also required to write a 5 page essay on a theme relating to either one or several movies to receive honors credit. The course will be taught in English.

The movies are (tentative selection):

Nirgendwo in Afrika (Nowhere in Africa)

RosensträÙe

Europa, Europa

The Downfall

Das Wunder von Bern (The Miracle of Bern)

Good-bye, Lenin!

Das Leben der Anderen (The Life of the Others)

HIST 1103.ANY Survey Of American History

Add-On HIST 3980.702 Us Disabilities

Kinder, John Matthew

W 0230PM-0320PM

Recent studies estimate that nearly a billion people worldwide are disabled, among them more than 50 million Americans. However, the history of disability in America has largely been ignored. In this honors add-on, students will examine the not-so-hidden histories of disabled Americans. Besides reading→Kim Nielsen's award-winning A Disability History of the United States, each student will complete a service learning project designed to explore how disability has been imagined, naturalized, and/or challenged in modern America.

HIST 1103.ANY Survey Of American History

Add-On HIST 3980.704 Amer Hist In Pop Culture

Hughes, Charles L

T 1030AM-1120AM

AMERICAN HISTORY IN POPULAR CULTURE - In this course, we'll think about the ways that American history has been presented in popular culture.→ We'll examine how key moments and trends have been remembered and discussed in films, television, music, literature, food and fashion.→ As an accompaniment to History 1103, this course will both enrich and complicate our understandings of the historical experiences of people in the United States.

HIST 1103.ANY Survey Of American History

Add-On HIST 3980.705 Religion & Politics

Shedd, Kristen Abigail

W 130PM-220PM

Religion and Politics in the U.S., 1945-present:

This course examines the changing trends in religious affiliation and the methods of political organization by religious groups.→ This period witnessed the declining influence of the liberal Protestant establishment and the rise of Catholic, Fundamentalist, and Evangelical political action groups.→ Some of the major themes include: the rise of conservatism, labor, gender/sexuality, censorship, communism, terrorism, education, and separation of church and state.

<p>HIST 1103.ANY Survey Of American History  Add-On HIST 3980.703 History Of Energy  Frehner, Brian W  F 0330PM-0420PM</p> <p>The pursuit of energy has been a defining feature of human existence throughout our history. The drive to acquire energy shaped the earliest paleolithic peoples and has dramatically influenced the character of urban, industrialized metropolises. This course is aimed at exploring how humans have produced and consumed energy from the earliest settlements up to the modern era. Although the timeframe is vast, we will move quickly and spend most of the semester examining energy history in the twentieth century. We will focus mostly on energy history in North America, but lectures and readings will occasionally touch upon examples of energy production and consumption from throughout the world. Given the fundamental importance of energy to almost all choices humans make on a daily basis, we will examine how humans' ongoing relationships with energy have provided a context that might inform how we make appropriate choices for the present and future.</p>
<p>HIST 1613.ANY Western Civil To 1500  Add-On HIST 3980.707 The Crusades  Dandrea, David M  W 1030AM-1120AM</p> <p>The Crusades were the result of complex religious, political, and economic forces that animated medieval Europe. The military expeditions in the Mediterranean and Europe were only one aspect of a dynamic engagement of cultures: Byzantine, Islamic, Christian, and Jewish. In this course we will investigate the Crusades as a historical phenomenon and discuss how the legacy of the Crusades continues to shape the modern world.</p>
<p>HIST 3683.001 Us History Since 1945  Add-On HIST 3980.705 Religion &amp; Politics  Shedd, Kristen Abigail  W 130PM-220PM</p> <p>Religion and Politics in the U.S., 1945-present:  This course examines the changing trends in religious affiliation and the methods of political organization by religious groups. This period witnessed the declining influence of the liberal Protestant establishment and the rise of Catholic, Fundamentalist, and Evangelical political action groups. Some of the major themes include: the rise of conservatism, labor, gender/sexuality, censorship, communism, terrorism, education, and separation of church and state.</p>
<p>MATH 2103.ANY Business Calculus  Add-On MATH 2910.701 Honors Business Calculus  Mills, Melissa Ann  F 0930AM-1020AM</p> <p>Students will explore the concepts of Business Calculus using Excel. This will allow them to model using real data sets, explore Calculus concepts using the capabilities of Excel, and prepare presentations using technology that they will use in subsequent courses and likely in their future careers.</p>
<p>Math 2153.ANY Calculus II  Add-On MATH 2910.702 Honors Calculus II  Barchini, Leticia Ines  F 1230PM-0120PM</p> <p>The objects of Calculus are functions. The objective is to understand their properties. Deep understanding of their properties allows for important practical applications. First, we will take a more-in-depth look at the notion of functions. We will use the notion of parametrized curves and polar coordinates to gain deeper understanding of functions. Next, as we approximate numbers by using the decimal systems, we will approximate functions by using power series. The approximations will provide the framework for various computation.</p>
<p>MATH 2163.ANY Calculus III  Add-On MATH 2910.703 Honors Calculus III  Rusin, Walter  F 1030AM-1120AM</p> <p>Both Calculus I and II deal with functions of a single variable. Calculus III introduces students to the concept of mathematical objects in multiple dimensions. A natural extension of the regular course in Calculus III is the discussion of basic concepts related to differential geometry of curves and surfaces. I plan to introduce students to concepts related to curvature and torsion of spatial curves as well as some basic concepts related to surfaces embedded in 3D (among others the mean and Gaussian curvature). We will talk about some famous planar and spatial curves, their origin and properties. The concepts build a basis for a more in-depth understanding of concepts in more advanced computer science/mathematics/physics courses.</p>
<p>MATH 2233.Any Differential Equations  Add-On MATH 2910.704 Honors Differential Equations  Wang, Yanqiu  T 1030-1120AM  Description Coming Soon</p>
<p>NREM 1014.001 Intro. To Natural History  Add-On HONR 1000.715 Nat Hist Field Res &amp; Cons Policy  Moranz, Ray A  M 0230PM-0320PM</p> <p>Students in this course will conduct hands-on ecological field research, and will discuss current issues in nature conservation. Small class size will facilitate discussion-based class meetings. As the semester proceeds, indoor class meetings will become less frequent, and students will become more involved with collaborative research in local forests, prairies and parks. One emphasis of the course will be to build upon current research programs at OSU in monarch butterfly biology. In fall 2015, activities are likely to include</p>

<p>capturing, tagging, and releasing monarch butterflies, and raising monarch caterpillars to assess their food preferences. Additional research modules will be selected based on student interests, but could also include hands-on experience with mammal, bird, fish, reptile and plant field research. ,Ài Moranz ,Ài M 2:30-3:30 (1 credit hour) [Co-requisite Note: Must be an honors student enrolled in NREM 1014 for the same semester. This course has no prerequisites.]</p>
<p>PSYC 1113.Sections 1-31 Introductory Psych Add-On PSYC 3120.701 Psychopharmacology Tony Wells T 330PM-420PM Students in this course will explore and discuss research and controversies surrounding medications designed to treat psychological problems. For example, what is the evidence for how these medications work? Do antidepressants really increase suicidal thinking in adolescents? Should psychologists have the authority to prescribe medication? Students will learn about the latest research in the area as well as how to be an informed and savvy consumer of this information.~†</p>
<p>PSYC 1113.Sections 1-31 Introductory Psych Add-On PSYC 3120.702 Behavior Change Techniques Maureen Sullivan W 9:30-10:20AM Students in this course will explore cognitive-behavioral methods of assessment and intervention, including self-monitoring, functional analysis, and implementing behavior change.~† Students will explore the empirically-supported treatments for lifestyle change, based upon cognitive-behavioral principles.~† Students will then select one of their behaviors (healthy eating, physical activity, etc.) which they would like to change in order to enhance maintaining a healthy lifestyle.~† We will apply information as it is covered in PSYC 1113 relative to the rising rates of unhealthy behaviors which are linked to chronic health problems and public health challenges.~† For example, we will discuss the methods of cognitive behavioral assessment, identifying behaviors amenable to change that are linked to risk for health problems, factors that enhance behavior change such as setting achievable goals, reinforcing behavior change, and increasing social support for change.</p>
<p>PSYC 2583.ANY Developmental Psych Add-On PSYC 3120.703 Biological Bases Of Development Craven J R 1230-120PM Students in this course will explore the relationship between biology and developmental outcomes, specifically focusing on key developmental transitions such as early childhood and adolescence.~† Topics will provide an in-depth look at biology-developmental outcomes are they are covered in PSYC 2583 as they are related to health, social relationships, and cognitive performance.</p>
<p>ZOOL 3204.001 Physiology Add-On ZOOL 3700.701 Physiology Honors Course Lovern, Matthew Benjamin M 0330PM-0420PM We will use a seminar format to explore areas of controversy within physiology and physiology-related sciences. Selected topics will be in-depth explorations of material that is (usually) briefly touched upon in class, giving you the opportunity to advance your understanding of physiology beyond what we have time to consider in the course. As the seminar title indicates, our topics will be those for which there is some controversy, e.g., because the science is emerging or very complex, because ethical questions arise as a result of the science, and/or because segments of society have difficulty accepting the science. Some topics that we likely will cover are: chiropractic medicine; vaccines; biology of sexual orientation; and human evolution. I say ,Àúlikely,Àù because if something topical and relevant comes up, I may decide to substitute for that material. In addition, we will cover student-initiated topics as the semester progresses. In all cases, we will use primary literature and related sources (e.g., online videos, lectures, web sites) to form the bases of our knowledge and to inform our opinions in discussion. This will be fun and intellectually stimulating!</p>