

Early College Scholars 2019 Spring Evening Courses

Please note these course listings are subject to change or cancellation at any time without notice.

Spring Semester Dates: January 14-May 7, 2019

ART

DRAWING U79 101 ART

This course for non-art majors teaches basic drawing skills and techniques by drawing from observation. Through sighting and measuring three-dimensional forms and creating the illusion of volume, space, and light on two-dimensional surfaces, students will develop visual language skills. We will work with a variety of black-and-white media to create compositions. Historic references will broaden students' understanding of drawing as a visual language. 3 units. Tuition: \$1,995.00. Lab, materials fee: \$15.00.

01 W 5:30p-8:00p
02 Tu 6:00p-8:30p

WATERCOLOR U79 124 ART

This course teaches the fundamentals of watercolor through the use of a portable sketchbook and pan watercolor set. Students will create a sketchbook of studies that explore technical processes of watercolor, such as washes, glazes, and resists, through a variety of subject matter such as still life, land/urbanscapes, self-portrait, and figure studies. Written papers and class critiques provide an historical context to our work. For non-art majors with no previous experience. 3 units. Tuition: \$1,995.00.

01 M 5:30p-8:00p
02 W 6:00p-8:30p

RELIEF PRINTMAKING U79 130 ART

This course teaches students the fundamentals of relief printmaking through single and multiple plate registration. Water-based, nontoxic inks will be used. The students will explore the most basic form of printmaking by creating four prints during the semester through a variety of subject matter such as collage-based images, land/urban-scapes, and figure studies. No prerequisites. 3 units. Tuition: \$1,995.00.

01 M 6:00p-8:30p

RECYCLED AND FOUND OBJECT SCULPTURE U79 115 ART

Through using only recycled materials and found objects, students will learn additive, subtractive, and assemblage sculptural techniques and gain an understanding of the principles and elements of 3D design. Students will also learn to transform their art practice into a more environmentally aware one. We will also investigate recycled materials and found object sculpture in an art historical context and study a range of historical and contemporary artists working in this medium. The course builds creative problem-solving skills with an emphasis on sustainability. 3 units. Tuition: \$1,995.00. Lab, materials fee: \$15.00.

01 Th 5:30p-8:00p

PHOTOJOURNALISM U79 3300 ART

This course introduces students to the tools, techniques, and concepts of visual journalism; the mechanics of photography and its uses as a language of communication. Students develop an awareness of photography and a point of view through shooting assignments. The benchmark for success is understanding concepts, not photographic expertise. No darkroom work. Access to a digital or film camera and a flash is required. No disposable cameras. 3 units. Tuition: \$1,995.00.

01 Th 6:00p-8:30p

BUSINESS & COMMUNICATIONS

PROTECT YOURSELF: PERSONAL DIGITAL SECURITY U48 120 COMM

We all use computers, smartphones, & the internet, but most of us don't know much about securing our devices, our personal data, or even our identity. There's a lot to worry about-viruses, phishing, surveillance, tracking, & much more-but what should really concern you? How can you tell if you or your devices are vulnerable? How can you safeguard yourself? This course, meant for the average technology user, will answer these questions and many more. Topics covered include passwords, spyware, messaging & email, encryption, testing for vulnerabilities, HTTPS, and backup. 1 unit. Tuition: \$665.00.

01 W 6:00p-7:45p, 3/18/19 - 5/7/19

INTRO TO PUBLIC SPEAKING U48 2111 COMM

Public speaking is a skill essential for success in most professional careers. The focus of this class is to develop the basic ability and confidence necessary to speak effectively in public. The presentation skills we will work on are proper diction, projection, breath control, effective use of the voice and body, writing to be heard not read, oral critiques, and informative and persuasive speaking. Critical listening and group work will also be emphasized. 3 units. Tuition: \$1,995.00.

01 M 6:30p-9:00p
02 Tu 6:30p-9:00p

PERSONAL FINANCE U44 150 BUS

In this course students learn how to analyze and control their own financial affairs. We acquire a better understanding of personal finances by developing and managing a financial plan, evaluating financial and investment options, and learning about research tools for financial planning. Upon completion of the course, students are able to evaluate the risk/return relationship of different investments, determine the correct insurance coverage needed, evaluate when a taxable or tax-deferred investment is appropriate, calculate retirement needs, and develop a savings plan and household budgeting system. 3 units. Tuition: \$1,995.00.

01 Tu 6:00p-8:30p

SUSTAINABILITY IN BUSINESS U19 105 SUST

In today's complex business environment, organizations are constantly challenged to develop and execute innovative policies and processes that ensure profitable growth. Some leaders believe that the sole purpose of business is to maximize shareholder wealth and that profitability (or fiscal sustainability) is not compatible with environmental responsibility. In reality, ecological and economic performance need not-and should not-be mutually exclusive. Fortunately, the outmoded mindset of "profit-at-any-cost" is beginning to shift as organizations recognize the importance of adopting

balanced business practices that promote economic prosperity, social equity, and environmental quality. Organizations that embed sustainability into their corporate strategies increase operational efficiency by using resources more responsibly and minimizing waste. In an increasingly crowded and competitive marketplace, sustainability has become a source of competitive advantage through which an organization can have a positive impact not only on the "bottom line" but also on the environment and society. In this course, we explore key concepts, debates, and issues driving sustainability in business. We will also look at various sustainability tools, principles, and frameworks that business can use to better understand the natural systems from which sustainability is derived and upon which all organisms and organizations rely to sustain their own existence. 3 units. Tuition: \$1,995.00.

01 TuTh 5:30p-7:00p

DATA ANALYSIS AND VISUALIZATION IN TABLEAU U44 206 BUS

In this course, students will create interactive visualizations in order to gain meaningful insights about a dataset. Students will learn the basic functions of Tableau, including filtering, sorting, formatting common chart types, and visualization aesthetics. Advanced topics will include dashboard actions, calculation functions, and parameters. Students will also learn to explore, dissect, and reproduce existing visualizations created by Tableau experts. A variety of datasets will be provided but students will also have the opportunity to bring in their own datasets for analysis. This course is ideal for students who have an understanding of descriptive statistics and have analyzed datasets using other data tools (Excel, R, SPSS, SAS, etc.). This online hybrid shortcourse meets Mondays, 5:30-8:00 p.m., beginning March 18, 2019 3 units. Tuition: \$1,995.00.

01 M 5:30p-8:00p

ENTREPRENEURSHIP U44 232 BUS

This course will explore, at a practical and introductory level, the issues, concepts, and processes associated with entrepreneurship. The course is divided into three sections: the entrepreneurial environment; the required toolkit for entrepreneurs; and practical applications of entrepreneurial strategies and processes. The instructor, along with other experienced entrepreneurs, will teach the key stages of a new business venture, including developing and implementing a concept, growing and sustaining the business, and harvesting value to ensure the financial health of the enterprise. The course is ideal for students interested in starting a business, or for those who wish to apply concepts and practices of entrepreneurship to their current work. 3 units. Tuition: \$1,995.00.

01 W 6:00p-8:30p

DESIGN THINKING: HUMAN-CENTERED APPROACHES TO MAKING THE WORLD U44 290 BUS

This course introduces design thinking: a process of identifying, creating, and implementing solutions. Students learn methods and work in teams to apply these methods to a locally relevant problem. Methodologies-drawn from anthropology, business, design, and engineering-enable students to discover users' needs; synthesize complex information; identify directives for design; generate ideas; and prototype, test, and communicate solutions. Additionally, students explore the role of design thinking in business, education, and social change through readings, case studies, lectures, guest speakers, discussion, and written exercises. No previous experience in design is required. 3 units. Tuition: \$1,995.00.

01 Th 6:00p-8:30p

FOUNDATIONS OF COMMUNICATIONS U48 234 COMM

This course examines the dynamic field of communications, including its history, the changing state of media, and current technologies. Students also will explore the economic, social, legal, and ethical questions associated with media. The course provides a foundation for careers in marketing, public relations, advertising, politics, management, and international enterprises. 3 units. Tuition: \$1,995.00.

01 Tu 6:30p-9:00p

FOREIGN LANGUAGES

BEGINNING FRENCH II: AN AUDIOVISUAL APPROACH U12 107 FR

Intro to French through an audiovisual approach that involves the acquisition of vocabulary and grammar through conversational exchange. In addition students will develop listening, reading and writing skills and be introduced to the Francophone world. Activities will be informed by the question of where and how to live in the world and the film Chacun cherche son chat or Inch Allah Dimanche. Prereq: U12-106 or equivalent. 3 units. Tuition: \$1,995.00.

01 M 6:00p-8:30p

FRENCH CONVERSATION U12 313 FR

This one-semester course is designed for students with one to two years of college-level French or the equivalent, who wish to perfect their speaking and listening abilities, improving their accent and correct use of common expressions and popular vocabulary. It seeks to increase students' familiarity with the history and culture of modern day France through an emphasis on French film. Viewings, discussion, and assignments center around a designated theme, chosen in order to define, question, and nuance our understanding of specific aspects of French culture. Prereq: Two semesters of college French, U12 106-207, or equivalent. 3 units. Tuition: \$1,995.00.

01 M 6:00p-8:30p

BEGINNING MODERN IRISH I U47 101 IRISH

No prior knowledge of the Irish language required. This class will provide a great opportunity for students to explore the vibrant language and culture of Ireland. Basic language skills are taught. Students learn to engage in active conversational Irish and to read authentic works of literature. Songs, poetry, culture and language! And the teacher has a funny accent! 3 units. Tuition: \$1,995.00.

01 TuTh 5:30p-7:00p

INTRO TO BASIC JAPANESE II U78 1052 EASIA

Continuation of introductory basic Japanese with emphasis on the spoken language. The Japanese writing system will also be continued. By the end of the term, students should be able to successfully perform basic communicative acts in limited daily situations, to speak utilizing the proper social registers with a basic understanding of Japanese cultural norms, and to recognize Japanese written forms. Prereq: Basic Japanese I or equivalent. 3 units. Tuition: \$1,995.00.

01 TuTh 6:00p-7:30p

BEGINNING RUSSIAN II U39 106 RUSS

An introduction to modern Russian through oral drills and the study of vocabulary and grammar. Students develop basic reading, writing, and conversation skills. 3 units. Tuition: \$1,995.00.

01 M 6:00p-8:30p

BEGINNING SPANISH I U27 112 SPAN

This class will equip students with basic conversation and reading skills in Spanish. In addition it serves as an introduction to important cultural aspects of Spanish and Latin American culture. Intended for students who have not had previous training in Spanish. 3 units. Tuition: \$1,995.00.

01 Tu 6:00p-8:30p

BEGINNING SPANISH II U27 113 SPAN

This course is intended for students with one semester of college-level Spanish or the equivalent and is a continuation of Beginning Spanish I. The course focuses on developing basic conversation and reading skills in Spanish through the study of grammar and vocabulary used in everyday situations, as well as various aspects of Hispanic culture. There is a heavy emphasis on oral communication in class and, as such, a large amount of class time will be dedicated to speaking Spanish in task-based activities. Prereq: U27-112 or equivalent. 3 units. Tuition: \$1,995.00.

01 W 6:00p-8:30p

BEGINNING SWEDISH CONVERSATION

U14 1113 GERMAN

Introductory practice in speaking, and vocabulary development in cultural contexts. May be repeated for credit. 1 unit. Tuition: \$665.00. Same as home course U93 Scan 113.

01 MW 6:00p-7:00p

HUMANITIES

Includes courses in drama, literature, English composition, music, philosophy, art history, and classics.

IMPROVISATION

U21 233 DRAMA

This course introduces students to the fundamentals of improvisation. Students are provided with the tools and techniques to develop their artistic voice, both individually and within an ensemble, through various theatre games, exercises, and techniques. Students will build self confidence, develop creativity, hone presentation skills, and have fun through working collaboratively in an ensemble. Both actors and non-actors are encouraged to take this class. 3 units. Tuition: \$1,995.00.

01 M 4:00p-6:30p

LITERATURE IN ENGLISH: MODERN TEXTS AND CONTEXTS

U65 262 ELIT

This course provides an outline of modern literature in English from Romanticism to the present. It introduces students to the central themes, genres, and forces that have shaped the modern history of literature as well as the tools, vocabularies, and critical practices of literary studies. We will organize our semester around five themes: literary revolutions; questions of genre; subjectivity and authorship; gender, sexuality, and identity; modernism. We will study texts from Britain/Ireland, the United States, and at least one example of global literature in English. 3 units. Tuition: \$1,995.00.

01 W 6:00p-8:30p

PRINCIPLES OF WRITING

U11 101 ECOMP

This course is about reading well and writing deliberately and sees those two acts as intimately related. Students will read as writers, studying the strategies that writers use to write persuasively, and practicing those strategies in their own writing. The course offers a method for close reading (based on finding meaningful patterns); it offers practice linking claims with evidence for those claims and it offers practice organizing papers using such skills as well-written summaries, theses, transitions, topic sentences, and paragraphs. 3 units. Tuition: \$1,995.00.

01 M 6:30p-9:00p

02 W 6:00p-8:30p

CRITICAL AND RESEARCHED WRITING

U11 203 ECOMP

This course teaches students to engage critically with scholarship, construct convincing arguments, and write persuasive research papers. We will study how other writers achieve these goals, then use a proven model of researched writing to write an argument and paper about a text of your own choosing that includes accurate use of primary and secondary sources. Concentrating on a single research project throughout the semester, attention will be given to revision and organization, library research strategies, academic citation conventions, and electronic search engines and sources. Required for all University College undergraduate degree candidates and must be taken at Washington University. Prereq: U11-101 or its equivalent. Restricted to University College students. 3 units. Tuition: \$1,995.00.

01 Th 6:00p-8:30p

02 W 6:00p-8:30p

MUSIC AND PROTEST: SOUNDING SOCIAL CHANGE IN THE UNITED STATES

U24 1012 MUS

How can music mobilize and organize people for social change? How does music both reflect and shape the politics of protest in the United States? This course introduces students to the history of U.S. protest music from the mid-nineteenth century to the present day, with emphasis on issues of racism, class conflict, gender, and civil rights. The course features a special emphasis on today's social-political climate, and analyzes the music and soundscapes of issues and movements such as Black Lives Matter, immigrant rights, gun violence, #MeToo, and environmental justice. No music experience necessary. 3 units. Tuition: \$1,995.00.

01 M 6:30p-9:00p

THE MUSIC OF THE BEATLES

U24 218 MUS

The Beatles and their music against the backdrop of the larger musical/historical context from which they emerged. The course examines the Beatles' musical output (musical roots, stylistic influences, compositional techniques, and texts) and assesses their overall artistic achievement and cultural impact. No previous musical background required. 3 units. Tuition: \$1,995.00.

01 W 7:00p-9:30p

ROCK AND ROLL: THE FIRST FIFTY YEARS

U24 220 MUS

A musical/cultural history of rock and roll/rock from its beginnings through the 1990s. Through lectures, listening/reading, and archival films rock and roll will be traced from its roots through its varied incarnations as rockabilly, rock and roll, folk rock, rock, soul/funk, heavy metal, punk, new wave, rap/hip-hop, grunge and more. Course will emphasize both musical developments and cultural contexts. Work will include regular reading/listening assignments. No previous musical background is necessary. 3 units. Tuition: \$1,995.00.

01 Tu 7:00p-9:30p

ENVIRONMENTAL ETHICS

U22 2352 PHIL

A general survey of current issues in environmental ethics, focusing on problems such as global climate change, future generations and sustainability, protection of endangered species, animal rights, environmental degradation, resource depletion, global justice, and business obligations. Students will also learn some ethical and political theory. 3 units. Tuition: \$1,995.00.

01 W 6:00p-8:30p

LATIN AND GREEK IN CURRENT ENGLISH

U02 225 CLASSICS

A systematic study of the pervasive influence of Latin and Greek words and ideas on the language and culture of England and America. Selected emphasis on scientific and medical terminology. 3 units. Tuition: \$1,995.00.

01 Tu 6:00p-8:30p

HISTORY OF WESTERN ART, ARCHITECTURE & DESIGN

U10 113 ARTARCH

A history of the visual arts, including architecture, sculpture, painting, and design, from the ancient world to the present with emphasis on the relationship of art to society and to political and cultural events. 3 units. Tuition: \$1,995.00.

01 M 6:00p-8:30p

MATHEMATICS

INTRO TO STATISTICS U20 1011 MATH

Basic concepts of statistics. Data collection (sampling and designing experiments), data organization (tables, graphs, frequency distributions, numerical summarization of data). Pre reqs: high school algebra. 3 units. Tuition: \$1,995.00.

01 W 6:30p-9:00p

PROGRAMMING WITH PYTHON U82 133 CIM

An introductory course for students with little or no programming experience. Topics include the software development process, documentation, debugging, and testing within the commonly used Python environment. At the end of the course students should be able to write and debug basic programs to display and interpret data using accepted programming conventions and styles. 3 units. Tuition: \$1,995.00.

01 Tu 6:30p-9:00p

02 W 6:30p-9:00p

CALCULUS I U20 155 MATH

First course in differential calculus covering functions, limits, continuity, derivatives, techniques of differentiation, and applications including maxima and minima of functions, curve sketching, related rates and rectilinear motion, mean value theorem. Prereq: U20-142 or equivalent, including trigonometry. Note: This is an online hybrid course. Students meet weekly in a classroom with the instructor, and also have required weekly online assignments and discussion sessions. 3 units. Tuition: \$1,995.00.

SECT 01: Hybrid Online Course

01 Tu 5:30p-6:30p

CALCULUS II U20 156 MATH

Continuation of Calculus I, starting with a brief review of definitions and formulas. The concept of the integral; the Fundamental Theorem of Calculus; techniques of integration; application of the integral including areas, volume, and work; differential and integral calculus with elementary transcendental functions. Prereq: U20-155 or equivalent. 3 units. Tuition: \$1,995.00.

01 M 6:30p-9:00p

THE ART OF MATHEMATICAL THINKING U20 210 MATH

Mathematics plays an important role in society, from engineering to architecture to the social and behavioral sciences. This course exposes non-math majors to fascinating sides of mathematics that are typically not discussed in standard math courses. Students learn effective thinking techniques with applications beyond standard mathematics and discover exciting ideas and new perspectives about the world. We look at questions like: What do rabbits, piano keyboards, and pine cones have to do with the Parthenon? What do secret codes and bar codes have to do with number systems and prime numbers? 3 units. Tuition: \$1,995.00.

01 Tu 6:00p-8:30p

INTRO TO DATA SCIENCE WITH PYTHON U20 230 MATH

A continuation of Programming with Python, students apply their skills to data science examples. The course will start with a brief review of Python and then shift to technical topics such as working with the numerical library NumPy; data manipulation with pandas; and creating graphics with matplotlib, Seaborn and other data visualization libraries. The final project will be an application of machine learning using the scikit-learn library. Prereqs: U20 133 or permission of the instructor 3 units. Tuition: \$1,995.00.

01 W 6:30p-9:00p

CALCULUS IV U20 256 MATH

Continuation of U20-255. Functions of several variables, partial derivatives, tangent planes, directional derivatives, total differential, multiple integrals, line integrals, and an introduction to elementary differential equations. Prereq: U20 255 or equivalent. 3 units. Tuition: \$1,995.00.

01 Th 6:30p-9:00p

PROBABILITY & STATISTICS I U20 305 MATH

Discrete and continuous random variables, mean and variance, hypothesis testing and confidence limits, non-parametric methods. Students' t-methods, regression, correlation. Prereq: U20-156 or consent of department. 3 units. Tuition: \$1,995.00.

01 M 6:30p-9:00p

FOUNDATIONS FOR HIGHER MATHEMATICS U20 3101 MATH

Techniques used in advanced mathematics. Includes set theory, methods of proof, counterexamples, basic logic, foundations of mathematics, construction of number systems, counting methods, combinatorial arguments. Prereq: U20-256. 3 units. Tuition: \$1,995.00.

01 Tu 6:30p-9:00p

SCIENCES

Includes courses in biology, chemistry, psychological and brain sciences, earth and planetary sciences.

MEDICAL IMAGING OF THE HUMAN BODY U29 110 BIO

A multimedia exploration of the human body via state-of-the-art imaging techniques, including CT, MRI, Ultrasound, and PET scans. The investigative challenge of diagnostic medical imaging is examined and common health issues including sports injuries, heart disease, stroke, cancer, arthritis, as well as early detection screening tests are discussed. Material is presented in a uniquely interactive and enjoyable manner. Prereq: one year high school or entry-level college biology. 3 units. Tuition: \$1,995.00.

01 Tu 6:30p-9:00p

NUTRITION U29 204 BIO

This introductory course examines nutrition as an interdisciplinary science. Topics include: the chemistry, function, and metabolism of nutrients; regulations of food intake; food habits; digestion and absorption of nutrients; methods of determining nutrient content of foods and nutrient requirements for humans and animals; comparative nutrition; problems of human malnutrition; relation of nutrition to disease; toxic materials in foodstuffs; economic, nutritional, and social problems involved in feeding the world population and future possibilities for meeting nutritional needs of the

world's population. 3 units. Tuition: \$1,995.00.

01 Tu 6:00p-8:30p

02 W 6:00p-8:30p

INTRO TO ANIMAL BEHAVIOR U29 250 BIO

The basics of animal behavior, both instinctive and learned. Covers interactive behavior including communication, dominance, and predator-prey, with particular attention to complex interactive behaviors such as mating, parenting, and socializing. 3 units. Tuition: \$1,995.00.

01 W 7:00p-9:30p

INTRO TO GLOBAL CLIMATE CHANGE U13 121 EPSC

Global climate and global climate change and their impacts on life and civilization. Integrated view of global climate and the diverse forces that can alter global climate. Historical and potential future consequences of global climate change on human life, our industrial civilization, and its sustainability. 3 units. Tuition: \$1,995.00.

01 W 6:30p-9:00p

INTRO TO PSYCHOLOGY U09 100 PSYCH

A survey and analysis of concepts, theory, and research covering the areas of learning, memory, social, abnormal, clinical, physiological and sensory psychology. This is a general survey course designed to introduce students to the diversity of areas, approaches, and theories that comprise the study of mind and behavior. 3 units. Tuition: \$1,995.00.

01 Th 6:00p-8:30p XXXIV Accalia Kusto

SOCIAL SCIENCES

Includes courses in economics, political science, sociology, anthropology, and GIS.

INTRO TO MICROECONOMICS U07 1011 ECON

Determination of prices; distribution of national income; theory of production. For a thorough introduction to economics, Econ 1021 also should be taken. 3 units. Tuition: \$1,995.00.

01 M 6:30p-9:00p

AMERICAN POLITICS U25 101 POLSCI

This course provides an overview of the politics of the American system of government. Among the topics to be covered are the historical developments of American politics, federalism, political participation (voting, interest groups, parties), institutions (congress, the courts, the president), and public opinion. A theme underlying our examination of these and other topics will be the fact that political actors are purposive in their strategic pursuit of various objectives. We will explore the many ways in which this aspect of political behavior impacts institutions and the interactions between political actors throughout the American political system. 3 units. Tuition: \$1,995.00.

01 M 6:00p-8:30p

INTRO TO INTERNATIONAL POLITICS U25 103 POLSCI

This is an introductory survey course. Its goal is to familiarize students with the basic concepts of International Relations (IR) as a subfield of political science and to introduce them to important issues, such as cooperation and conflict, interdependence in the era of globalization, human rights and human development, and the environment. 3 units. Tuition: \$1,995.00.

01 Th 5:30p-8:00p

JUST DO IT! SKILLS THAT TURN PASSION INTO POLICY U25 227 POLSCI

The course will focus on skills related to the democratic expression of political rights and responsibilities. The course will balance background knowledge of the issues with application. Students will explore how to use coalition building and advocacy skills to relate to personal issues to public issues. Students will research a current Missouri bill, create a strategic plan for its passage or failure, and prepare to give testimony on such bill in a mock House of Representatives committee hearing. Students will also learn about ethical dilemmas in policy and politics and create a plan for turning their passions into policy. 1 unit. Tuition: \$665.00.

01 Tu 5:30p-6:30p

02 Th 5:30-6:30p

INTRO TO SOCIOLOGY U68 220 SOC

Sociology is the study of social life or more specifically the study of society and human cultures. It is distinguished from other social sciences, such as psychology, by its exploration of social life and consequent human interaction within the context of groups and institutions. Sociology begins with the broader society as its starting point and works its way down to the individual. This course introduces the student to the methods and frameworks developed and used by sociologists to engage in the above-mentioned endeavors. It also provides the student with a more informed understanding of the world around them and their place in it. 3 units. Tuition: \$1,995.00.

01 W 5:30p-8:00p

INTRO TO GIS U82 200 CIM

This course introduces students to the fundamental principles and applications of geographic information systems (GIS), their underlying geospatial science and spatial thinking. This problem-based course explores applications of GIS to spatial questions in the areas of social science, business, the humanities and earth sciences. Example topics include understanding spatial data types; map coordinate systems and projections; basic spatial data analysis; acquiring, editing, creating and managing geospatial data; and processing and visualizing data using GIS. This hands-on course works through problems using (mainly) ESRI ArcGIS software (including ArcMap and ArcCatalog), but other open source tools will also be introduced. Students who complete this course should be able to apply skills to think through a spatial problem and employ GIS tools to address it. 3 units. Tuition: \$1,995.00.

01 Tu 5:30p-8:00p

INTRO TO HUMAN EVOLUTION U69 150 ANTHRO

The fossil evidence for human evolution, the genetics of human variation and evolution, the study of living nonhuman primates, and the fossil record and its interpretation. This course will count toward major in Anthropology for day students. 3 units. Tuition: \$1,995.00.

01 Tu 5:30p-8:00p