



# SPRING 2022 GE COURSES

## NATURAL SCIENCE

Courses designed for non-science majors are noted with a double asterisk (\*\*)

### BIOLOGY

#### **ANTH 2. Human Origins (4)**

An introduction to human evolution from the perspective of physical anthropology, including evolutionary theory and the evolution of the primates, hominids, and modern humans. Emphasis is placed on evidence from fossil remains and behavioral studies of living primates.

#### **\*\*COGS 17. Neurobiology of Cognition (4)**

Introduction to the organization and functions of the nervous system. Topics include molecular, cellular, developmental, systems, and behavioral neurobiology. Specifically, structure and function of neurons, peripheral and central nervous systems, sensory, motor, and control systems, learning and memory mechanisms. Students may not receive credit for both BILD12 and COGS 17.

#### **BILD 1. The Cell (4)**

An introduction to cellular structure and function, to biological molecules, bioenergetics, to the genetics of both prokaryotic and eukaryotic organisms, and to the elements of molecular biology. Recommended preparation: prior completion of high school- or college-level chemistry course.

#### **BILD 2. Multicellular Life (4)**

An introduction to the development and the physiological processes of plants and animals. Included are treatments of reproduction, nutrition, respiration, transport systems, regulation of the internal environment, the nervous system, and behavior. *Prerequisites:* BILD 1.

#### **BILD 3. Organismic and Evolutionary Biology (4)**

The first principles of evolutionary theory, classification, ecology, and behavior; a phylogenetic synopsis of the major groups of organisms from viruses to primates.

### CHEMISTRY

#### **CHEM 6A. General Chemistry I (4)**

First quarter of a three-quarter sequence intended for science and engineering majors. Topics include atomic theory, bonding, molecular geometry, stoichiometry, types of reactions, and thermochemistry. May not be taken for credit after CHEM 6AH. Recommended: proficiency in high school chemistry and/or physics.

*Corequisite:* MATH 10A or 20A or prior enrollment.

#### **CHEM 6B. General Chemistry II (4)**

Second quarter of a three-quarter sequence intended for science and engineering majors. Topics include covalent bonding, gases, liquids, and solids, colligative properties, physical and chemical equilibria, acids and bases, solubility. May not be taken for credit after CHEM 6BH. *Prerequisites:* CHEM 6A or 6AH and MATH 10A or 20A. Recommended: concurrent or prior enrollment in MATH 10B or 20B.



# SPRING 2022 GE COURSES

## NATURAL SCIENCE (cont.)

Courses designed for non-science majors are noted with a double asterisk (\*\*)

### CHEMISTRY

#### **CHEM 6C. General Chemistry III (4)**

Third quarter of a three-quarter sequence intended for science and engineering majors. Topics include thermodynamics, kinetics, electrochemistry, coordination chemistry, and introductions to nuclear, main group organic, and biochemistry. May not be taken for credit after CHEM 6CH.

*Prerequisites:* CHEM 6B or 6BH. Recommended: completion of MATH 10B or 20B.

#### **CHEM 6CH. Honors General Chemistry III (4)**

Third quarter of a three-quarter honors sequence intended for well-prepared science and engineering majors. Topics are similar to those in 6C but are taught at a higher level and faster pace. May be taken for credit after credit for CHEM 6C.

Students completing 6CH may not subsequently take 6C for credit. *Prerequisites:* CHEM 6BH and MATH 20B.

#### **CHEM 11. The Periodic Table (4)**

Introduction to the material world of atoms and small inorganic molecules. Intended for nonscience majors. Students may not receive credit for both CHEM 4 and CHEM 11.

### PHYSICS

#### **PHYS 1A. Mechanics (3)**

First quarter of a three-quarter introductory physics course, geared toward life-science majors. Equilibrium and motion of particles in one and two dimensions in the framework of Newtonian mechanics, force laws (including gravity), energy, momentum, rotational motion, conservation laws, and fluids. Examples will be drawn from astronomy, biology, sports, and current events. PHYS 1A and 1AL are designed to be taken concurrently but may be taken in separate terms; taking the lecture before the lab is the best alternative to enrolling in both. Students continuing to PHYS 1B/1BL will also need MATH 10B or 20B. *Prerequisites:* MATH 10A or 20A. Recommended preparation: concurrent or prior enrollment in MATH 10B or 20B.

#### **PHYS 1AL. Mechanics Laboratory (2)**

Physics laboratory course to accompany PHYS 1A. Experiments in Mechanics. PHYS 1A and 1AL are designed to be taken concurrently but may be taken in separate terms; taking the lecture before the lab is the best alternative to enrolling in both. Students continuing to PHYS 1B/1BL will also need MATH 10B or 20B.

*Prerequisites:* MATH 10A or 20A. Recommended preparation: concurrent or prior enrollment in PHYS 1A and MATH 10B or 20B.



# SPRING 2022 GE COURSES

## NATURAL SCIENCE (cont.)

Courses designed for non-science majors are noted with a double asterisk (\*\*)

### PHYSICS

#### **PHYS 1B. Electricity and Magnetism (3)**

Second quarter of a three-quarter introductory physics course geared toward life-science majors. Electric fields, magnetic fields, DC and AC circuitry. PHYS 1B and 1BL are designed to be taken concurrently but may be taken in separate terms; taking the lecture before the lab is the best alternative to enrolling in both. *Prerequisites:* PHYS 1A or 2A, and MATH 10B or 20B.

#### **PHYS 1BL. Electricity and Magnetism Laboratory (2)**

Physics laboratory course to accompany PHYS 1B. Experiments in electricity and magnetism. Program or materials fee may apply. PHYS 1B and 1BL are designed to be taken concurrently but may be taken in separate terms; taking the lecture before the lab is the best alternative to enrolling in both. *Prerequisites:* PHYS 1A or 2A, 1AL or 2BL, and MATH 10B or 20B. Recommended preparation: concurrent or prior enrollment in PHYS 1B.

#### **PHYS 1C. Waves, Optics, and Modern Physics (3)**

Third quarter of a three-quarter introductory physics course geared toward life-science majors. The physics of oscillations and waves, vibrating strings and sound, and the interaction of light with matter as illustrated through optics and quantum mechanics. Examples from biology, sports, medicine, and current events. PHYS 1C and 1CL are designed to be taken concurrently but may be taken separately; taking the lecture before the lab is the best alternative to enrolling in both. *Prerequisites:* PHYS 1B or 2B, and MATH 10B or 20B.

#### **PHYS 1CL. Waves, Optics, and Modern Physics Laboratory (2)**

Physics laboratory course to accompany PHYS 1C. Experiments in waves, optics, and modern physics. Program or materials fee may apply. PHYS 1C and 1CL are designed to be taken concurrently but may be taken in separate terms; taking the lecture before the lab is the best alternative to enrolling in both. *Prerequisites:* PHYS 1B or 2B, 1BL or 2CL, and MATH 10B or 20B. Recommended preparation: concurrent or prior enrollment in PHYS 1C.

#### **PHYS 2A. Physics—Mechanics (4)**

A calculus-based science-engineering general physics course covering vectors, motion in one and two dimensions, Newton's first and second laws, work and energy, conservation of energy, linear momentum, collisions, rotational kinematics, rotational dynamics, equilibrium of rigid bodies, oscillations, gravitation. Students continuing to PHYS 2B/4B will also need MATH 20B. *Prerequisites:* MATH 10A-B or 20A or 20B or 20C or 31BH. Recommended preparation: prior or concurrent enrollment in MATH 20B.

#### **PHYS 2B. Physics—Electricity and Magnetism (4)**

Continuation of PHYS 2A covering charge and matter, the electric field, Gauss's law, electric potential, capacitors and dielectrics, current and resistance, electromotive force and circuits, the magnetic field, Ampere's law, Faraday's law, inductance, electromagnetic oscillations, alternating currents and Maxwell's equations. Students continuing to PHYS 2C will also need MATH 20C or 31BH. *Prerequisites:* PHYS 2A or 4A and MATH 20B or 20C or 31BH. Recommended preparation: prior or concurrent enrollment in MATH 20C or 31BH.



# SPRING 2022 GE COURSES

## NATURAL SCIENCE (cont.)

Courses designed for non-science majors are noted with a double asterisk (\*\*)

### PHYSICS

#### **PHYS 2C. Physics—Fluids, Waves, Thermodynamics, and Optics (4)**

Continuation of PHYS 2B covering fluid mechanics, waves in elastic media, sound waves, temperature, heat and the first law of thermodynamics, kinetic theory of gases, entropy and the second law of thermodynamics, Maxwell's equations, electromagnetic waves, geometric optics, interference and diffraction. Students continuing to PHYS 2D will need MATH 20D. *Prerequisites:* PHYS 2A or 4A, and MATH 20C or 31BH. Recommended preparation: prior or concurrent enrollment in MATH 20D. Prior completion of PHYS 2B is strongly recommended.

#### **PHYS 4B. Physics for Physics Majors—Fluids, Waves, Statistical and Thermal Physics (4)**

Continuation of PHYS 4A covering forced and damped oscillations, fluid statics and dynamics, waves in elastic media, sound waves, heat and the first law of thermodynamics, kinetic theory of gases, Brownian motion, Maxwell-Boltzmann distribution, second law of thermodynamics. Students continuing to PHYS 4C will also need MATH 18 or 20F or 31AH. *Prerequisites:* PHYS 2A or 4A, and MATH 20B. Recommended preparation: prior or concurrent enrollment in MATH 20C or 31BH.

#### **\*\*PHYS 11. Survey of Physics (4)**

Survey of physics for nonscience majors with strong mathematical background, including calculus. PHYS 11 describes the laws of motion, gravity, energy, momentum, and relativity. A laboratory component consists of two experiments with gravity and conservation principles. *Prerequisites:* MATH 10A or 20A. *Corequisites:* MATH 10B or 20B.

#### **\*\*PHYS 12. Energy and the Environment (4)**

A course covering energy fundamentals, energy use in an industrial society and the impact of large-scale energy consumption. It addresses topics on fossil fuel, heat engines, solar energy, nuclear energy, energy conservation, transportation, air pollution and global effects. Concepts and quantitative analysis.

#### **\*\*PHYS 13. Life in the Universe (4)**

An exploration of life in the Universe. Topics include defining life; the origin, development, and fundamental characteristics of life on Earth; searches for life elsewhere in the solar system and other planetary systems; space exploration; and identifying extraterrestrial intelligence. This course uses basic algebra, proportion, radians, logs, and powers. PHYS 5, 7, 9, and 13 form a four-quarter sequence and can be taken individually in any order.

#### **\*\*SIO 10. The Earth (4)**

An introduction to structure of the Earth and the processes that form and modify it. Emphasizes material that is useful for understanding geological events as reported in the news and for making intelligent decisions regarding the future of our environment. *Prerequisites:* none.

#### **\*\*SIO 16. Geology of the National Parks (4)**

An introduction to fundamental concepts of geology and environmental science through the lens of the national park system. Topics covered include the geologic time scale; plate tectonics; igneous, metamorphic, and sedimentary processes; geomorphology; climate change; and environmental degradation. *Prerequisites:* none.



# SPRING 2022 GE COURSES

## NATURAL SCIENCE (cont.)

Courses designed for non-science majors are noted with a double asterisk (\*\*)

### **\*\*SIO 50. Introduction to Earth and Environmental Sciences (6)**

This course is an introduction to how our planet works, focusing on the formation and evolution of the solid earth, and the processes affecting both its surface and interior. Laboratories and substantial field components complement and extend the lecture material. Program and/or materials fees may apply. Prerequisites: none.

## MATHEMATICS, STATISTICS AND LOGIC

### MATHEMATICS, ADVANCED STATISTICS

#### **MATH 3C. Precalculus (4)**

Functions and their graphs. Linear and polynomial functions, zeroes, inverse functions, exponential and logarithmic, trigonometric functions and their inverses. Emphasis on understanding algebraic, numerical and graphical approaches making use of graphing calculators. (No credit given if taken after MATH 4C, 1A/10A, or 2A/20A.) Three or more years of high school mathematics or equivalent recommended. *Prerequisites:* Math Placement Exam qualifying score, or ACT Math score of 22 or higher, or SAT Math score of 600 or higher.

#### **MATH 10A. Calculus I (4)**

Differential calculus of functions of one variable, with applications. Functions, graphs, continuity, limits, derivatives, tangent lines, optimization problems. (No credit given if taken after or concurrent with MATH 20A.) *Prerequisites:* Math Placement Exam qualifying score, or AP Calculus AB score of 2, or SAT II Math Level 2 score of 600 or higher, or MATH 3C, or MATH 4C.

#### **MATH 10B. Calculus II (4)**

Integral calculus of functions of one variable, with applications. Antiderivatives, definite integrals, the Fundamental Theorem of Calculus, methods of integration, areas and volumes, separable differential equations. (No credit given if taken after or concurrent with MATH 20B.) *Prerequisites:* AP Calculus AB score of 3, 4, or 5 (or equivalent AB subscore on BC exam), or MATH 10A, or MATH 20A.

#### **MATH 10C. Calculus III (4)**

Introduction to functions of more than one variable. Vector geometry, partial derivatives, velocity and acceleration vectors, optimization problems. (No credit given if taken after or concurrent with 20C.)

*Prerequisites:* AP Calculus BC score of 3, 4, or 5, or MATH 10B, or MATH 20B.

#### **MATH 11. Calculus-Based Introductory Probability and Statistics (5)**

Events and probabilities, conditional probability, Bayes' formula. Discrete and continuous random variables: mean, variance; binomial, Poisson distributions, normal, uniform, exponential distributions, central limit theorem. Sample statistics, confidence intervals, hypothesis testing, regression. Applications. Introduction to software for probabilistic and statistical analysis. Emphasis on connections between probability and statistics, numerical results of real data, and techniques of data analysis. Prerequisites: AP Calculus BC score of 3, 4, or 5, or MATH 10B or MATH 20B.



# SPRING 2022 GE COURSES

## MATHEMATICS, STATISTICS AND LOGIC (cont.)

### MATHEMATICS, ADVANCED STATISTICS

#### **MATH 20A. Calculus for Science and Engineering (4)**

Foundations of differential and integral calculus of one variable. Functions, graphs, continuity, limits, derivative, tangent line. Applications with algebraic, exponential, logarithmic, and trigonometric functions. Introduction to the integral. (Two credits given if taken after MATH 1A/10A and no credit given if taken after MATH 1B/10B or MATH 1C/10C. Formerly numbered MATH 2A.) *Prerequisites:* Math Placement Exam qualifying score, or AP Calculus AB score of 3 (or equivalent AB subscore on BC exam), or SAT II MATH 2C score of 650 or higher, or MATH 4C or MATH 10A.

#### **MATH 20B. Calculus for Science and Engineering (4)**

Integral calculus of one variable and its applications, with exponential, logarithmic, hyperbolic, and trigonometric functions. Methods of integration. Infinite series. Polar coordinates in the plane and complex exponentials. (Two units of credits given if taken after MATH 1B/10B or MATH 1C/10C.) *Prerequisites:* AP Calculus AB score of 4 or 5, or AP Calculus BC score of 3, or MATH 20A with a grade of C– or better, or MATH 10B with a grade of C– or better, or MATH 10C with a grade of C– or better.

#### **MATH 20C. Calculus and Analytic Geometry for Science and Engineering (4)**

Vector geometry, vector functions and their derivatives. Partial differentiation. Maxima and minima. Double integration. (Two units of credit given if taken after MATH 10C. Credit not offered for both MATH 20C and 31BH.) *Prerequisites:* AP Calculus BC score of 4 or 5, or MATH 20B with a grade of C– or better.

#### **MATH 180A. Introduction to Probability (4)**

Probability spaces, random variables, independence, conditional probability, distribution, expectation, variance, joint distributions, central limit theorem. (Two units of credit offered for MATH 180A if ECON 120A previously, no credit offered if ECON 120A concurrently. Two units of credit offered for MATH 180A if MATH 183 or 186 taken previously or concurrently.) Prior or concurrent enrollment in MATH 109 is highly recommended. *Prerequisites:* Math 20C or MATH 31BH, or consent of instructor.

#### **MATH 181A. Introduction to Mathematical Statistics I (4)**

Multivariate distribution, functions of random variables, distributions related to normal. Parameter estimation, method of moments, maximum likelihood. Estimator accuracy and confidence intervals. Hypothesis testing, type I and type II errors, power, one-sample t-test. Prior or concurrent enrollment in MATH 109 is highly recommended. *Prerequisites:* MATH 180A, and MATH 18 or MATH 20F or MATH 31AH, and MATH 20C. Students who have not completed listed prerequisites may enroll with consent of instructor.

### INTRODUCTORY STATISTICS

#### **COGS 14A. Introduction to Research Methods (4)**

Introduction to the scientific method. Methods of knowledge acquisition, research questions, hypotheses, operational definitions, variables, control. Observation, levels of measurement, reliability, validity. Experimentation and design: between-groups, within-subjects, quasi-experimental, factorial, single-subject. Correlational and observational studies. Ethics in research.



# SPRING 2022 GE COURSES

## MATHEMATICS, STATISTICS AND LOGIC (cont.)

### INTRODUCTORY STATISTICS

#### **HDS 60. Introduction to Statistical Analysis (4)**

This course provides an introduction to both descriptive and inferential statistics, core tools in the process of scientific discovery, and the interpretation of research. Emphasis on a conceptual understanding of statistics, numerical results of real data, and techniques of data analysis.

#### **POLI 30 or 30D. Political Inquiry (4)**

Introduction to the logic of inference in social science and to quantitative analysis in political science and public policy including research design, data collection, data description and computer graphics, and the logic of statistical inference (including linear regression). POLI 30 is Lecture only, and POLI 30D is Lecture plus Discussion section. These courses are equivalents of each other in regards to major requirements, and students may not receive credit for both 30 and 30D.

#### **PSYC 60. Introduction to Statistics (4)**

This course provides an introduction to both descriptive and inferential statistics, core tools in the process of scientific discovery and the interpretation of research.

#### **SOCI 60. The Practice of Social Research (4)**

This course introduces students to the fundamental principles of the design of social research. It examines the key varieties of evidence, sampling methods, logic of comparison, and causal reasoning researchers use in their study of social issues. Will not receive credit for SOCI 60 and SOCL 60.

### COMPUTER PROGRAMMING AND LOGIC

#### **COGS 18. Introduction to Python (4)**

This class will teach fundamental Python programming skills and practices, including the “Zen of Python.” Students will focus on scientific computing and learn to write functions and tests, as well as how to debug code using the Jupyter Notebook programming environment. Students may receive credit for one of the following: COGS 18, CSE 8A, or CSE 6R. Recommended preparation: students with limited computing experience may take COGS 3.

#### **CSE 6R: Introduction to Computer Science and Object-Oriented Programming: Python (4)**

An introduction to computer science and programming using the Python language. The course will cover topics such as basic data types (e.g. integer, float, string), loops and iteration, basic data structures (e.g. list, set, dictionary), memory models, conditional statements, recursion, basic algorithm time complexity analysis, class design, and inheritance. A student may not receive credit for CSE 6R after receiving credit for CSE 8A, CSE 8B, CSE 11, or COGS 18. *Recommended Preparation:* A familiarity with high school-level algebra is expected, but this course assumes no prior programming knowledge.





# SPRING 2022 GE COURSES

## MATHEMATICS, STATISTICS AND LOGIC (cont.)

### COMPUTER PROGRAMMING AND LOGIC

#### **CSE 8A. Introduction to Programming and Computational Problem-Solving I (4)**

Introductory course for students interested in computer science and programming. Basics of programming including variables, conditionals, loops, functions/methods. Structured data storage such as arrays/lists and dictionaries, including data mutation. Hands-on experience with designing, writing, hand-tracing, compiling or interpreting, executing, testing, and debugging programs. Students solve relevant computational problems using a high-level programming language. CSE 8A is part of a two-course sequence (CSE 8A-B) that is equivalent to CSE 11. Students should take CSE 8B to complete this track. Students who have taken CSE 8B or CSE 11 may not take or receive credit for CSE 8A. Recommended preparation: No prior programming experience is assumed, but comfort using computers is helpful. Students should consult the CSE Course Placement Advice web page for assistance in choosing which CSE course to take first.

*Prerequisites:* restricted to undergraduates. Graduate students will be allowed as space permits.

#### **CSE 11. Introduction to Programming and Computational Problem-Solving: Accelerated Pace (4)**

Accelerated introductory programming including an object-oriented approach. Covers basic programming topics from CSE 8A including variables, conditionals, loops, functions/methods, structured data storage, and mutation. Also covers topics from CSE 8B including the Java programming language, class design, interfaces, basic class hierarchies, recursion, event based programming, and file I/O. Basics of command-line navigation for file management and running programs. Zero units of credit offered for CSE 11 if CSE 8B taken previously or concurrently. Recommended preparation: Significant prior programming experience (for example, high school AP CSA). Students should consult the CSE Course Placement Advice web page for assistance in choosing a first CSE course. *Prerequisites:* restricted to undergraduates. Graduate students will be allowed as space permits.

#### **LIGN 17. Making and Breaking Codes (4)**

A rigorous analysis of symbolic systems and their interpretations. Students will learn to encode and decode information using progressively more sophisticated methods; topics covered include ancient and modern phonetic writing systems, hieroglyphics, computer languages, and ciphers (secret codes).

#### **PHIL 10. Introduction to Logic (4)**

Basic concepts and techniques in both informal and formal logic and reasoning, including a discussion of argument, inference, proof, and common fallacies, and an introduction to the syntax, semantics, and proof method in sentential (propositional) logic.

## HUMANITIES AND CULTURAL STUDIES

#### **AAS 10. Introduction to African American Studies (4)**

This course will cover the experiences of peoples of African descent in the U.S. and broader African Diaspora from the vantage points of cultural production, political practice, socioeconomic conditions, and the overall struggle for social justice along intersecting lines of race, gender, and class. Topics reviewed include slavery (and slave rebellion), Reconstruction, Jim Crow apartheid, the Great Migration and Harlem Renaissance, and the Civil Rights and Black Power Movements.





# SPRING 2022 GE COURSES

## HUMANITIES AND CULTURAL STUDIES (cont.)

### **ETHN 3. Introduction to Ethnic Studies: Making Culture (4)**

Through examining the historical and contemporary politics of representation in both popular and community-focused media, film, art, music, and literature, this course tracks racial formation through studying the sphere of cultural production, consumption, and contestation. Students may not receive credit for both ETHN 1C and ETHN 3.

### **HILD 7C. Race and Ethnicity in the United States (4)**

A lecture-discussion course on the comparative ethnic history of the United States. Of central concern will be the Mexican American, race, oppression, mass migrations, ethnicity, city life in industrial America, and power and protest in modern America.

### **HILD 12. Twentieth-Century East Asia (4)**

The East Asia survey compares and contrasts the development of China, Korea, and Japan from ancient times to the present. This course examines the emergence of a regionally dominant Japan before and after World War II; the process of revolution and state-building in China during the nationalist and communist eras; and Korea's encounter with colonialism, nationalism, war, revolution, and industrialization.

### **LATI 10. Reading North by South: Latin American Studies and the US Liberation Movements (4)**

The purpose of this class is to study the multilayered relations between Latin American studies and the US liberation movements, particularly Third World movements, the Chicano movement, the black liberation movement, the indigenous movement, human rights activism, and trans-border activism. Students may not receive credit for LATI 100 and LATI 10.

### **LATI 50. Introduction to Latin America (4)**

Interdisciplinary overview of society and culture in Latin America—including Mexico, the Caribbean, and South America: legacies of conquest, patterns of economic development, changing roles of women, expressions of popular culture, cycles of political change, and US-Latin American relations.

### **LTEN 27. Introduction to African American Literature (4)**

A lecture discussion course that examines a major topic or theme in African American literature as it is developed over time and across the literary genres of fiction, poetry, and belles lettres. A particular emphasis of the course is how African American writers have adhered to or departed from conventional definitions of genre.

### **LTCS 52. Topics in Cultural Studies (4)**

This course is designed to complement LTCS 50, Introduction to Cultural Studies. In this course, cultural studies methods are further introduced and applied to various concrete topics in order to illustrate the practical analysis of culture and cultural forms.

### **GSS 20. Introduction to Global South Studies (4)**

This introductory course examines historical and theoretical debates on the Global South. Especially important are socioeconomic, political, as well as cultural processes, as they are key factors to understanding the Global South across the globe.



# SPRING 2022 GE COURSES

## FINE ARTS

### **MUS 4. Introduction to Western Music (4)**

A brief survey of the history of Western music from the Middle Ages to the present. Much attention will be paid to the direct experience of listening to music and attendance of concerts. Class consists of lectures, listening labs, and live performances.

### **MUS 5. Sound in Time (4)**

An examination and exploration of the art and science of music making. Topics include acoustics, improvisation, composition, and electronic and popular forms. There will be required listening, reading, and creative assignments. No previous musical background required.

### **MUS 11. Folk Music (4)**

A course on folk music of the world, covered through lectures, films, and listening sessions devoted to detailed discussion of music indigenous to varying countries/areas of the world. Topics vary from year to year. May be repeated once for credit. Prerequisites: none.

### **MUS 13. Worlds of Music (4)**

Through surveying selected musical traditions and practices from around the world, this course explores the ways in which music both reflects and affects social, cultural, and ecological relationships. Specific case studies will be covered through lectures, films, and listening sessions. Prerequisites: none.

### **MUS 14. Contemporary Music (4)**

This course offers opportunities to prepare oneself for experiences with new music (through preview lectures), hear performances (by visiting or faculty artists), to discuss each event informally with a faculty panel: an effort to foster informed listening to the new in music. Prerequisites: none.

### **MUS 15. Popular Music (4)**

A course on popular music from different time periods, covered through lectures, films, and listening sessions. Topics vary from year to year. May be repeated once for credit.

### **MUS 17. Hip-Hop (4)**

This class presents a broad chronological overview of the development of hip-hop as a musical form from the late 1970s through today. It examines the development of the style in relation to direct context and to earlier African American musical and cultural forms and considers the technological and legal issues that have impacted its development. The class is listening intensive and students will be expected to know and recognize essential structures and production techniques.

### **TDGE 1. Introduction to Theatre (4)**

An introduction to fundamental concepts in drama and performance. Students will attend performances and learn about how the theatre functions as an art and as an industry in today's world.



# SPRING 2022 GE COURSES

## FINE ARTS (cont.)

### **TDGE 11. Great Performances on Film (4)**

Course examines major accomplishments in screen acting from the work of actors in films or in film genres. May be taken for credit three times. Prerequisites: none.

### **TDHT 23. Twentieth-Century Theatre (4)**

Twentieth-century theatre: a survey of drama from 1900 to 1990, with attention also paid to the development of avant-garde performance forms. Plays discussed reflect developments in Europe and the United States, but also transnational, postcolonial perspectives. Prerequisites: none.

### **VIS 3. Introduction to Art Making: Three-Dimensional Practices (4)**

An introduction to art making that uses as its base the idea of the “conceptual.” The lecture exists as a bank of knowledge about various art world and nonart world conceptual plays. The studio section attempts to incorporate these ideas into individual and group projects using any “material.” This course is offered only one time each year. Prerequisites: none.

### **VIS 22. Formations of Modern Art (4)**

A wide-ranging survey introducing the key aspects of global art and criticism in the nineteenth and twentieth centuries. The course will comparatively examine formations of modernism and modernity within and across a variety of aesthetic traditions in Africa, Asia, Europe, Latin America, North America, and Oceania.

### **VIS 84. Film History (4)**

A survey of the history and the art of the cinema. The course will cover a range of national and international cinemas from the origins of cinema and the contributions of the earliest filmmakers to film movements and styles of the late twentieth century. Program or materials fees may apply. Prerequisites: none.