BARD HIGH SCHOOL Early College Cleveland

COURSE CATALOGUE

2014-2017

BHSEC CLEVELAND COURSE CATALOGUE

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Summary of AA requirements in Cleveland

In the college years, students enroll in college-level courses and meet curriculum requirements established by Bard College in order to graduate with the AA degree. These include 4 semesters of Seminar as well as distribution requirements across the disciplines. (Some of these courses also fulfill remaining state requirements for the high school diploma).

To be awarded the AA, students must successfully pass 60 college credits in both required and elective courses. To be awarded the AA, students must maintain a GPA of no less than 2.0. (Note: For credits to be accepted as transfer credits to an outside college or university, students must have earned a C or higher in the course being transferred).

Curriculum Distribution Requirements:

- 4 semesters of College Seminar
- 2 semesters of College Research Workshop I and II (1 credit each)
- 2 semesters of College Lab Science
- 2 semesters of College Math
- 2 semesters College World Language (1 course must be at the intermediate level or above)
- 1 semester of Social Science and/or Literature
- 1 semester College Performing and Visual Arts

Recommendations -Year 1

- In the fall semester, Year I students are required to take Year 1 Seminar 1, Research Workshop and a college-level algebra course (Intermediate Algebra OR College Pre-Calculus, based on the recommendation of the math faculty).
- In the spring, students take Year 1 Seminar 2.
- In addition to required courses, year I students will take 6-10 credits based on elective courses.
- It is highly recommended that students take college-level Beginning Spanish or Beginning Chinese in Year I.

Recommendations - Year 2

- In the fall semester, Year 2 students are required to take Year 2 Seminar 1 and are encouraged to finish pending requirements.
- In the spring, students must take the Year 2 Seminar 2 and finish any pending requirements.
- Year 2 students will take an additional 12-15 credits.

Students may also be scheduled for Physical Education and/or Health courses based on high school graduation requirements.

College Courses by Division

Seminar

SEM 101 First Year Seminar I

(CMSD Equivalent: BARD005) *What does it mean to be human?*

First Year Seminar I, the first of four required seminars at Bard High School Early College, challenges you to confront your presuppositions about history, literature, culture, and thought. Using texts from a variety of historical moments and cultural contexts, we will interrogate a single, central question that will act as the guiding theme of the class: *What does it mean to be human?* This exploration will take us across a multiple texts and worldviews, and it sets the stage for the type of critical thinking you will continue to do throughout your college studies at Bard. We will critically examine core texts from Mesopotamia, Greece, and Rome, exploring ancient philosophers, the Enlightenment thinkers, and more contemporary U.S. authors. This broad survey will help you develop the tools necessary to interpret and challenge your own views about what it means to be human. Most importantly, you will build a base of oral communication and writing skills that are crucial to a successful college experience.

SEM 102 First Year Seminar II

(CMSD Equivalent: BARD006) *What is place?*

First Year Seminar II, the second of four required seminars at Bard High School Early College, continues to challenge you to confront your presuppositions about history, literature, culture and thought. Using texts from wide variety of historical moments and cultural contexts, we will interrogate a single, central question: *What is place?* This question offers a useful grounding point for continuing discussions started in Seminar I and will also help us push our analysis further to think about what it means, as a human, to exist in a particular place and time. We will examine texts from multiple genres and time periods, including Dante Alighieri's *Inferno*, William Shakespeare's *Macbeth*, Hannah Arendt's *Eichmann in Jerusalem*, Rebecca Skloot's *The Immortal Life of Henrietta Lacks*, as well as excerpts from philosophers and historians from across history. These texts will allow us to think about how specific geo-locations determine and are determined by the people who live within them. You will continue to build skills and practices that are crucial to a successful college experience, including intensive writing, researching, and oral communication.

SEM 201 Second Year Seminar I

(CMSD Equivalent: BARD007) *What is freedom?*

As the first seminar during students' final year in seminar, Sophomore Seminar I continues to grow the analytic frameworks of previous seminars. Specifically, we will ask you to think through the idea of freedom as it is understood culturally, historically, and philosophically. Buttressing this course are two towering works of literature, *Paradise Lost* by John Milton and *Beloved* by Toni Morrison. These texts offer the class the opportunity to take a long view on what freedom has meant for different groups of people

3 credits

3 credits

across time and cultures. Both works utilize complex narrative forms to interrogate what goes into making people "free", and what happens to freedom when we receive it. Inbetween these two works, this class will shift to drama in order to study the mid-20th century philosophical movement called existentialism. Using the work of Jean-Paul Sartre and Amir Baraka, we will question whether or not freedom is an idea or concept that can be evenly applied, or if it remains dependent on historical and/or cultural context. You will refine and deepen your intellectual and scholarly skills via intensive writing, researching, and oral communication, and begin preparation for your final project at the end of the year.

SEM 202 Second Year Seminar II

(CMSD Equivalent: BARD008)

What is thought?

The final semester of seminar will focus on a question critical to the pedagogy and outlook of Bard Early College. Taking an interdisciplinary methodology, you will examine the historical trajectory of philosophies and scientific conceptions of what it means to think. The class will begin with rationalist philosophers such as Rene Descartes and David Hume and the notion that thought is the foundation of what it means to be human. From here, we will question how our thoughts can be socially controlled, examining the work of Jacques Derrida and Judith Butler, among others. We will then turn to contemporary psychology and neuroscience to explore this question further. We will think about thought through a range of writing experiments, short stories, and multimedia experiences. The course will culminate with the final written capstone project.

Arts

ART 100 Painting/Drawing: Form and Content

(CMSD Equivalent: BARD46) credits

Pre-req: None.

In this studio art course, we will consider questions of form and content in two types of 2-D art: drawing and painting. In drawing we will study the main elements and principles of design, and then explore a range of techniques (contour, rendering, blind drawing, selfportraiture) by looking at others' work and through our own visual exercises and practice. You will experiment with materials such as: graphite, charcoal, oil pastel, and colored pencils, among others. For painting, we will consider questions of composition and structure in still-life, landscape, portraits, and abstraction. We will work in both acrylic and oil. Throughout the semester, you will also study various artists' styles in different historical moments as a way to think about both content and form, and to develop your own voice as you deepen your artistic practice.

ART 101 Painting I

(CMSD Equivalent: BARD099)

<u>Pre-req</u>: Intro to Art course at the high school level.

This painting course builds upon the techniques, mediums and materials experienced in the Introduction to Art course. We will examine still life, interior space, portraiture, and color, using acrylic paint, graphite, and mixed media. You will learn to create art on

3 credits

3

paper, board and canvas. Throughout the course we will look at historical and contemporary examples of artworks that reference each area of study. At this level, the role of group critique and critical discussion will become increasingly important.

ART 107 Drawing I

(CMSD Equivalent: BARD098) Drawing and design are essential means of visual communication. In this course, you will learn a variety of methods and experiment with both in class and in larger, more comprehensive projects. You will learn to produce complex projects as you simultaneously pay attention to both formal and conceptual issues. Technical aspects of drawing and design will be offset with imaginative and experimental approaches. We will also explore artists' viewpoints and methods. While you will work mostly individually, presentations and class discussions will offer space for dialogue and critique as we delve into different concepts.

ART 122 Reading Contemporary Latin America through Art

(CMSD Equivalent: BARD110)

Pre-req: none

In this course we will plunge into Latin American art in order to explore this multiply imagined and contested area of the world. We will examine key works of art, working upward and outward from the pieces themselves and making connections backwards and forwards across time and space. We will consider such themes as identities and otherness, violence and trauma, protest and change, sexuality, the environment and other topics to ask: How do Latin American artists express these globally shared concerns? How do they escape, unblock or free up traditional geographical notions of Latin America while still retaining some national or regional commitments? What does contemporary Latin American art say about what or who or where Latin America is? The course is writingbased.

ART 123 Contemporary Latin American Art

(CMSD Equivalent: BARD47)

Pre-reg: none

In this course we will explore contemporary Latin American art to learn more about this complex and increasingly fluid region. We will examine key works of art, working upward and outward from the pieces themselves and making connections backwards and forwards with different contexts, from local to national to global. We will consider such themes as urbanity, migration/mobility, indigeneity, time, political memory/protest, and globalization and south-south relationships, among others. How do Latin American artists, however widely defined, engage and resist the usual ways of understanding our globalized world? What can we say so far in the 21st century, if anything, about a Latin American art? The course is writing-based.

ART 112 Painting/Drawing: Independent Projects

(CMSD Equivalent: BARDHS47)

Pre-req: Instructor permission.

This course is designed to help students learn to create structured parameters for independent work in the areas of painting and drawing, as well as some mixed media. We will individually discuss and agree upon a self-directed project (or projects) that you will

3 credits

3 credits

3 credits

work on in class. Emphasis will be placed on research, process and production. You will also participate in group critiques and work on giving and receiving feedback. All students will be required to select and show their work in the school art gallery / to the public. This course requires a high level of independent work and responsibility, as well as significant time working outside class in order to complete the projects.

ARTH 190 Curatorial Care/The Art Gallery

(CMSD Equivalent: BARDHS110)

Curators write about art, organize and make exhibitions, and convoke discussions around critical themes of the moment. While curators have often been seen as power-holders who decide what constitutes good taste (or what is currently hot), the word curate comes from the Latin to care. In this class, we will explore how curators think and work, considering curating as a form of caring and as a means of promoting positive social change. We will spend our time designing, curating, and writing about our own and others' art exhibitions, After creating several exhibitions from within the class, we will organize a final show in tandem with student-artists enrolled in the studio courses. We will use the new school gallery (to be opened in January) as a teaching-learning space.

DAN 104 Contemporary Dance I

(CMSD Equivalent: BARDHS135) Pre-req: none

Contemporary Dance I course offers an introduction to the principles of contemporary dance technique and styles. We will explore dance as a form of culturally-based communication. As we do so, we will also study the principles of basic conditioning and technical skills and learn dance terminology and history. Within the class, you will also develop choreographic studies individually and collaboratively. The course is taught in progression, so we will move from the basics to increasingly sophisticated topics and performances. At the end of each unit of study you will be expected to analyze, discuss and perform at the next intermediate level of proficiency. Everyone will participate in a final dance project at the end of the semester.

DAN 105 Contemporary Dance II/Production

(CMSD Equivalent: BARDHS49)

Pre-reg: 10th grade contemporary dance or Contemporary Dance I.

Contemporary Dance II /Production is designed for students who are dedicated to the art of creating and producing dance. You will be encouraged to develop your choreographic voice as we explore conditioning, dance technique and partnering at an intermediate/ advance level, and you will also engage in performative studies. You will study basic stagehand, design and production, which you will apply in festivals and performances during the semester. Throughout the term, we will pay particular attention to the qualities and dynamics of movement; energy qualities, rhythm and tempos; as well as basic composition elements such as theme, content, subject, form, and vocabulary. You will be expected to analyze, discuss and perform at an increasingly advanced level of proficiency. This course will have a final dance project at the end of the semester.

3 credits

3 credits

MUS 105 College Chorus

(CMSD Equivalent: BARDHS50) 3 credits Chorus is a performance-oriented course for all students interested in singing in a large ensemble. Previous choral experience is not required. The selected repertoire is drawn from a range of classical, popular (jazz, musical theater), and contemporary choral literature. You will have the opportunity to explore your natural singing voice and find your vocal identity. Our course of study will include basic music reading, rehearsal and performing practices. You will perform at various school events during the semester.

MUS 108 String Orchestra

(CMSD Equivalent: BARDHS51)

This is a performance course for students interested in playing a string instrument in the school orchestra. The course is designed for all levels of experience, and you may also enroll with no prior experience. We will concentrate on the study and performance of repertoire written for string ensemble ranging from baroque to contemporary. Specific emphasis will be placed on ensemble playing, uniformity on execution and on stylistic diversity. You will perform at various school events during the semester.

Languages

SPAN 101 Beginning Spanish I

(CMSD Equivalent: BARD073) <u>Pre-req:</u> 9th and 10 grade Span AND

Building on the high school base, this course provides you with the opportunity to solidify your command of grammar and increase your fluency in spoken and written Spanish at the college-level. We will review and refine pronunciation, spelling, and grammar through both conversational and written exercises. We will increasingly rely upon different types of media and text to foster conversation and spark composition writing. The content coverage is similar to that in the three-semester sequence of Spanish 9 and Spanish10 but at the more rapid pace expected of college-level introductory language study.

SPAN 102 Beginning Spanish II

(CMSD Equivalent: BARD074) Pre-req: Beginning Spanish I

In the second semester of this college course, we will add the future tenses and begin to work with the subjunctive which will expand your expressive abilities exponentially. We will continue to study different types of images, online media and other texts to foster conversation and composition writing. You will take on both group projects related to cultural/political themes and longer/deeper essays as well as you refine your skills.

4 credits

4 credits

SPAN 201 Intermediate Spanish I

(CMSD Equivalent: BARDXXX) Pre-req: Beginning Spanish II

In Intermediate Spanish I, you will build upon your now solid base of Beginning Spanish and work to raise your competencies in listening, speaking, writing and reading. We will work on a range of exercises, take on short presentations and move to reading short texts. Audio-visual material will be included regularly to expose you to a range of native speaker accents and topics. Participation expectations will be high.

SPAN 202 Intermediate Spanish II

(CMSD Equivalent: BARDXXX) Pre-req: Beginning Spanish II

In Intermediate Spanish II we will build upon Intermediate I work. We will work on more sophisticated subjects and consider more complex situations this term as we move towards fuller academic and personal capability in Spanish. You will take your language skills up to a solid and well-functioning level across the competencies.

SPAN 203 Spanish Elective: Advanced Communication in Spanish

(CMSD Equivalent: BARDHS58)

credits

This course is focused on oral communication in Spanish. You will develop flexibility and fluency as you learn to create and deliver a range of public-style presentations. We will work up from basic introductions and announcements to short speeches, pitches, debates, and monologues. En route, you will learn presentation and public speaking strategies to increase your confidence as a speaker. While the emphasis is on oral production and fluency, you will also develop specialized vocabularies and improve your writing as you create academic, professional, and community presentations for different imagined audiences. Finally, we will work on listening comprehension as we watch short film and media clips to study how others present their messages. A final project will allow you to develop vocabulary and presentation in a mode related to your own area of interest (for example, using medical or business discourse, show business or political terms). Expect to be an active participant and to speak up!

CHI 101 Beginning Chinese I

(CMSD Equivalent: BARD079) <u>Pre-req</u>: 9th and 10th grade Chinese. Pre-req: 9th and 10 grade Chinese

CHI 102 Beginning Chinese II

(CMSD Equivalent: BARD080) 4 credits Building on the high school base, this two-semester course provides you with the opportunity to solidify your command of grammar and increase your fluency in spoken and written Chinese at the college-level. We will review and then build upon the basics of Chinese pronunciation, grammar, and character writing through both conversational and

4 credits

4 credits

4 credits

3

written exercises. We will use various texts and media sources, including literature, film, music, and popular culture. The content coverage is similar to that in the three-semester sequence of Chinese 9 and Chinese 10 but at the more rapid pace expected of college-level introductory language study.

CHI Intermediate Chinese I

CHI 105 Introduction to Chinese Culture (in English)

(CMSD Equivalent: BARD054)

This course will provide an introduction to Chinese Culture and Society. You will learn about China's cultural heritage and its political, economic, and cultural change in contemporary China as well as its impact on family and society. We will discuss a wide range of topics in Chinese culture and society: Chinese geography and history, ethnicity, Chinese philosophy and religion, politics, economy, education, family and marriage, fashion and cuisine, commercialization and globalization, and Chinese language and literature. Please note that the classroom language is English. Lectures will be facilitated with PPT slides, short videos and Chinese films. You will be evaluated based on their class participation, oral presentation, two exams, and written reports.

CHI 206 Chinese Fables, Myths and Fantasies

(CMSD Equivalent: pending)

Pre-req: CHI 103 Beginning Chinese II

In this course we will read and discuss classic Chinese legends and stories that, together, form an essential element of China's literary and cultural legacy. The stories chosen have been passed down and studied over hundreds and even thousands of years, and they reflect the unique characteristics of Chinese language, thought and philosophy. As we read these texts, we will not only sharpen our language skills, but also explore how these works have impacted the development of Chinese language and education, as evidenced by the compilation of these tales into condensed idioms and texts used to guide and educate younger generations.

CHI 212 Modern China through Film and Literature

(CMSD Equivalent: BARD066)

<u>Pre-req</u>: This course is taught in English; however, a background in Chinese is helpful. How have social, political and cultural changes in modern China been represented in film? In this course you will analyze 20th century China as it is presented in a diverse group of internationally acclaimed films. We will divide the century into three periods: 1) the May Fourth and Republican Era (1919-1949), 2) the Maoist Era (1949-1979), and 3) the Reform Era (1979-present) and watch films from/about these periods. Background readings, literary works and documentaries will help you approach your analysis and class discussion. Participating in group discussions will form a large part of this course, and you will also write analytical and response papers related to the films we see. All students will create a final presentation related to the most recent period of film. (Please note that all readings will be in English and films will be subtitled or in English.)

LANG 112 Bilingualism: Being or Becoming Someone in Two Tongues (CMSD Equivalent: BARD068)

3 credits

4 credits

3 credits

<u>Pre-req</u>: none. None. This is an elective for Year 1/Year 2. It does not replace a world language requirement.

Language learning is bound up in questions of self and other. Who do you become in language? How does this expand and change when you live in *two* languages? Whether your bilingualism is from your earliest days, came later, or is a goal for the future, this course invites you to explore what it means to be bilingual and how this affects your relationships with others. Through readings drawn from bilingual authors from around the globe and our own writings into these, we will examine the relationships between language and identity.

Literature

WRIT 115 Introduction to Creative Writing

(CMSD Equivalent: BARDHS66) 3 credits This intensive reading and writing course provides you with an introduction to the theory and practice of short fiction and poetry writing. You will develop work in both mediums, short fiction and poetry, throughout the semester. En route you will learn to pay close attention to language, structure, genre conventions, and other elements of craft. Texts from contemporary and canonical authors will serve as guides as you prepare your own work for peer critique and eventual publication.

LIT 129 American Drama

(CMSD Equivalent: BARD009)

In the American Drama course, we explore the importance of drama within U.S. culture, focusing heavily on the most famous and impressive cultural moments of the mid-20th century through the weeks leading up to 9/11. In doing so, we will examine how drama functions as a crucial tool of political agency, social reform, and commercial importance. We will also focus heavily on the role drama plays in the critique of American national identity. The first unit will begin with an analysis of how drama deploys representations of history to produce an idea of what it means to be "American". We will then turn to how drama is used to critique those very identities, especially through the work of African-American authors writing in the mid-20th century. The course ends with comparisons between American theatre and film with *Glengarry Glen Ross* and *A Streetcar Named Desire*.

LIT 72 The Harlem Renaissance

(CMSD Equivalent: BARDHS67)

The Harlem Renaissance encompasses one of the most influential periods in black history and marked the emergence of a transnational, black literary culture dedicating to representing the black experience as it played out across local, national, and international borders. This course will map the Harlem Renaissance geographically by moving from Harlem outward to the international spaces that its ideas and authors traversed. Reading the Harlem Renaissance in this manner will allow us to delve into the many debates and positions its authors took up. We will ask: What was the Harlem Renaissance? What goals did its authors and artists hope to achieve? What is the afterlife of the movement?

3 credits

Prospective texts include: Nella Larsen's *Quicksand*, Claude McKay's *Home to Harlem*, and Langston Hughes' The Weary Blues.

Mathematics

MATH 112 Intermediate Algebra

(CMSD Equivalent: BARD022) Pre-Req. Algebra II.

In this course you will study various concepts of algebra necessary for manipulating expressions and solving equations. Topics in the course include radicals, linear functions, complex numbers, polynomials, factoring, rational expressions, quadratic equations, absolute value equations and inequalities, systems of linear equations, related applications, and math learning strategies. We will extend the conceptual knowledge and skills you mastered in Algebra I and II courses and prepare you for Pre-Calculus.

MATH 110 Pre-Calculus

(CMSD Equivalent: BARD023)

Pre-req: Algebra II or Intermediate Algebra.

This course prepares you for college-level Trigonometry and Calculus. You will further expand upon your algebraic and graphical skills as you learn to manipulate and apply more advanced functions and algorithms. We will focus on 5 main areas of concern: 1) basic functions, notation, domain and range, etc.; 2) quadratic and radical functions and equations; 3) polynomial and rational functions and equations; 4) exponential and logarithmic function; and, finally, 5) systems of equations. In the process, you will refine your mathematical reasoning skills.

MATH 114 Trigonometry

(CMSD Equivalent: BARD025)

Pre-reg: Successful completion of Pre-Calculus with "C" or above.

Trigonometry focuses on the measurement of the angles and sides of triangles. In this course, you will study trigonometric functions, trigonometric identities and inverses, the applications of trigonometry, as well as some analytic geometry. You will also learn to sketch the graph of the trigonometric functions; prove identities; solve trigonometric equations; apply the law of the sines and cosines; write a complex number in trigonometric form and find all the roots of a complex number. Finally, we will study the polar coordinates system and the graphs of some simple equations in polar form; learn about conic sections (rectangular and polar), and vectors (applications and operations). This course permits you to build your mathematical reasoning and problem-solving skills as you prepare for the study of Calculus.

MATH 100 Introduction to Calculus

(CMSD Equivalent: BARD024)

Pre-req: Trigonometry, permission of instructor.

Calculus is about the very large, the very small, and how things change. This course is designed to provide you with a first exposure to calculus concepts, theorems, and techniques. We will focus on: 1) functions, graphs and limits; 2) derivatives; and 3) integrals. In general, theorems will not be proved; rather, we will focus on understanding

3 credits

3 credits

3 credits

Pre-reg: Intermediate Algebra or above. Elementary Statistics will give you the opportunity to research and

3 credits

discover statistics beyond the mean, median, and mode. Throughout the course, you will learn to find patterns, make decisions, interpret results, and provide explanations. First, you will be introduced to the basic concepts and goals of statistics while learning ways to organize and describe data sets with trends, averages, and variation. Next, you will learn how to determine the probability that an event will occur and how to create and use probability distributions to make decisions about that event. Finally, you will begin the study of inferential statistics by writing confidence intervals and testing claims that are made about the occurrence of an event (such as 25% of students ages 8 to 18 download music without paying for it). Overall, you should end the course being able to make informed decisions about a statistical report.

theorems and their applications in order to solve calculus problems related to the world

MATH 090 Business Mathematics

MATH 125 Elementary Statistics (CMSD Equivalent: pending)

(CMSD Equivalent: BARDHS60) 3 credits This is a fundamentals of business mathematics course that is focused on analytical and critical thinking skills. The purpose of this course is to provide students with basic math skills useful in solving real-life business problems. We will explore topics such as calculating trade and cash discounts, computing payroll, solving mortgage problems and computing simple and compound interest. Pre-requisite: Year II student status.

Sciences

around us.

BIO 101 Cell Biology I (with lab)

(CMSD Equivalent BARD033)

This is a semester-long, introductory, college-level Biology course. Beginning with an introduction to the underlying chemical and physical principles, we will explore the basic building blocks of all life forms. A central section deals with energy transfer in living systems (fermentation, respiration and photosynthesis), followed by other major units on how single cells function together within multi-cellular organisms and how traits pass from parents to offspring and how they are expressed and regulated. Lab work not only supports the material covered in class but also will allow you to apply the logic of scientific thinking by creating testable hypotheses, designing experiments and then collecting and critically analyzing your data.

BIO 102 Cell Biology II (with lab)

(CMSD Equivalent BARD034)

In this college-level Biology course, we will begin with an introduction to how traits pass from parents to their offspring. We will then explore biodiversity and biotechnology. Key sections deal with animal and plant processes (reproduction, nutrition and development). During our laboratory investigation, we will apply the logic of scientific thinking to build testable hypotheses, design experiments to support our hypotheses, collect data and use

4 credits

statistic methods to analyze our data. This course will lay the foundation for other advanced courses in Biology.

BIO 104 Principles of Genetics

(CMSD Equivalent: BARD057)

In Principles of Genetics, we will explore the inheritance of physical traits. Topics will include Mendelian and non-Mendelian inheritance patterns, the structure and replication of DNA, and the regulation of genes. We will conclude with a focus on human genetics and current technologies in molecular biology for the analysis of human disease. You will each choose and research a current genetics topic for a final paper and presentation.

BIO 105 Drugs and Human Behavior

(CMSD Equivalent: BARD035)

Pre-req: high school level biology course.

This course offers an exploration of the biological bases for the behavioral effects of several psychoactive substances, including therapeutic compounds, such as antipsychotics and antidepressants, and drugs of abuse. Staring with a basic overview of neuroscience and brain chemistry, we will focus on mechanisms of drug action and the physiological and behavioral effects of drug use. We will also discuss broader societal issues such as drug addiction, drug policies and testing, and controversial therapeutic interventions, in relation to selected compounds.

BIO 112 Biology of Infectious Diseases

(CMSD Equivalent: BARD115)

In this course we will investigate microbiology, immunology and related branches of biology through the lens of disease. We will study infectious diseases such as Ebola, tuberculosis, and malaria, and we will examine the body's responses to these diseases. As we do so, we will explore the similarities and differences between humans and infectious agents (viruses, bacteria, and eukaryotic parasites) at a molecular level. We will also review both the history of infectious disease, as well as medical advances in vaccinations and antibiotic therapy. Finally, we will examine emerging diseases and new global health challenges.

CHEM 112 Chemistry and the Environment

(CMSD Equivalent: BARD115)

3 credits

<u>Pre-req</u>: Introductory chemistry, biochemistry and environmental science are desirable but not required.

In this course, we will study the role of chemistry in the environment, proceeding in a holistic way from the micro-environment (how chemicals affect cellular networks) to the macro-environment (safety of chemicals use, water quality and pollution, holes in the ozone layer, etc.). You will learn how both biological and man-made chemicals interact with our surroundings which will then allow you to discuss and write about complex environmental issues from an increasingly sophisticated scientific perspective.

CHEM 121 Solution Chemistry

(CMSD Equivalent: BARD116) <u>Pre-req</u>: Introductory Chemistry, Algebra 3 credits

15

2 1.

3 credits

3 credits

In this course, we will explore the science behind the properties of solutions and study how molecules work and interact in solutions. While we will emphasize the quantitative aspects of the concepts we examine, we will also accompany some lectures with experiments from which to draw some observations. You will first learn about the basic concepts of solution chemistry (such as concentration, stoichiometry, chemical equilibrium, etc.) and then move on to more advanced concepts such as acids and bases, electrochemistry, organic chemistry and gas laws. We will be working intensely with mathematical calculations as we study these topics.

PHYS 101 Physics

(CMSD Equivalent: BARD120)

<u>Pre-req</u>: high school physics, algebra and geometry.

In this course you will build upon the knowledge and skills gained in 10th grade physics to take on the study of new topics at the college level. Using concepts such as velocity, acceleration, and force, we will explore such topics as: motion and forces in two dimensions, collisions, rotational motion, waves (sound and light), heat, electric circuits, and electromagnetism. Our main goal will be to master the theories associated with each concept and to apply the concepts to modern technologies and everyday life. You will be expected to solve basic and complex problems using physics equations and math.

NSCI 220 Astronomy

(CMSD Equivalent:----)

<u>**Pre-req</u></u>: None. However, students are expected to know the material taught in Algebra I (especially scientific notation, solving linear equations, operations with exponents) and basic physics concepts from 10^{th} grade physics.</u>**

This one-semester course offers you an introduction to Astronomy. Astronomy is a science that studies the objects that lie beyond our planet Earth and the processes by which these objects interact with one another. We begin by studying the basic concepts that will help us to understand the motion of stars and planets in the sky as well as the earth-related phenomena (e.g. seasons, tides, eclipses) related to these entities. We will then examine several historical milestones of astronomy from the ancient times until now to learn how physics understandings have changed. We will explore the history and evolution of solar system with particular emphasis on comparative planetology (structure, surfaces, and atmospheres). We will finish the term with a focus on stars, the Milky Way, and other universes.

Social Science

PSY 111 Human Lifespan Development

(CMSD Equivalent: BARD059)

During this course, we will explore each stage of human life from conception to old age from the following three perspectives: biological foundations, psychology (cognitive and emotional), and cultural influences. We will combine textbook reading with case studies, documentary film, and psychological research and theory from various historical perspectives. Some of the broader questions we will examine include the following: How do the biological, cultural, and psychological aspects of development interact?

3 credits

3 credits

How do various theories of development define important life stages, and the progression of an individual from one to the next? How much of the phenomena of developing and aging are specific to a specific context, and how much is universal? How does development interact with and impact identity and personality? You will learn to discuss these ideas at both the theoretical and applied level as you relate the work we examine to your own experiences.

PSY 115 Introduction to Social Psychology

(CMSD Equivalent: BARD055)

Social Psychology is the study of human behavior, emotion, and thinking in the social contexts such as families, relationships, friends, as well as broader social systems. In this course you will learn about many of the ways in which we are influenced by these social systems, and how these effects are created. Many of the important concepts of social psychology were developed out of important social events and shifts throughout history; these concepts will be discussed in context as well as applied to current events. Some of the questions we will explore include: How does the situation we are in impact our behavior, thinking, and emotional processes? How rational are our decisions? Why are we attracted to a certain "type"? Where do stereotypes and biases come from? How much control (and responsibility) do we have over our behaviors, thoughts, beliefs, and emotions?

PSY 261 Theoretical Foundations of Psychology

(CMSD Equivalent: BARDHS74)

In this course, we will examine the dominant theoretical schools of thought in the field of psychology as they developed chronologically. These theories provide frameworks for understanding human development, personality, behavior, learning, mental health, pathology, and treatment. Readings will include primary and secondary sources, and our discussions will focus on understanding and critically evaluating these models, applying each theory in real life scenarios with an emphasis on observation and self-reflection. We will explore such topics psychoanalysis and psychodynamics, behaviorism, cognitive psychology, as well as briefly examine both neuropsychology and the philosophical and medical traditions that originally led to the development of psychology as its own scientific field of study.

NSC1 122 Introduction to Criminology and Forensic Science

(CMSD Equivalent: BARD058)

3 credits

3 credits

3 credits

3 credits

This interdisciplinary course provides a general introduction to basic sources of crime, the justice system and society's reaction to crime. We will examine technological advances in criminal investigation and apply theories of physical science to criminal investigative procedures. Specifically, we will study deviance and social control, juvenile delinquency, as well as punishment and ethics.

SOC 130 Women, Gender and Sexuality Studies

(CMSD Equivalent: pending)

This course introduces you to the field of women's studies and gender studies and will transcend traditional disciplinary boundaries. Together we will analyze how gender shapes both the historical and contemporary experience of women, as well as study how sex and gender manifest themselves in social, cultural, and political contexts. You will

learn about key issues and debates in Women's Studies, examine the work of several feminist scholars, and develop your ability to critically re-think how gender works in society. While our focus is on women in the United States, occasionally we will broaden our scope. We will focus not only on the differences between women and men, but also on differences among women, paying close attention to race, class, sexuality and other aspects of identity.

ECON 120 Introduction to Economics and Business

(CMSD Equivalent: BARD056)

Introduction to Economics and Business is designed to expose students to a variety of economic and business concepts, including but not limited to: scarcity, tradeoffs, opportunity costs, incentives, economic systems, economic institutions, corporate forms, business strategy, management, decision making, marketing, sustainability, labor issues, and finance. This class will utilize both the case study and seminar approaches utilized at business schools throughout the country, including Harvard Business School, Stanford Graduate School of Business, the University of Virginia Darden School of Business, and Bard MBA.

HIST 115 Introduction to African American History

(CMSD Equivalent: BARD010)

3 credits In this course we explore critical themes in African-American History from Africa to the present; Slavery to Freedom. By the end of the semester, you will posses a strong foundation of African-American History that will serve you in future courses. Key topics include the creation and evolution of racial theory and ideology; slavery; Reconstruction; Jim Crow and segregation; the Renaissance; World Wars I and II; the Civil Rights Movement the modern Civil Rights Movement and its aftermath; African-American music; and police brutality, among others. We will study the ideas and leadership such figures as Ida B. Wells-Barnett, W.E.B. Dubois, Marcus Garvey, Martin Luther King Jr. James Baldwin, Ella Baker and Rosa Parks.

HIST 135 Chinese History Through the Tang Dynasty

(CMSD Equivalent: pending)

Pre-req: none

This course will provide a sampling of Chinese history through the lenses of religion, philosophy, literature and art from the Neolithic period to the Tang dynasty (up to 907 CE). We will explore the philosophical, artistic and cultural products of China in these periods and examine the circumstances that contributed to their development. Emphasis will be placed not only on important historical events in ancient and medieval China, but also on the ever changing and diverse multicultural landscape that was woven together through successive dynasties. The course is taught entirely in English and is open to all students, regardless of what language they have studied previously.

HIST 140 History of Capitalism

(CMSD Equivalent: BARD011)

Markets, commodities, corporations and globalization are defining characteristics of modern and postmodern history. Too often, however, they lack definition. Historians have increasingly turned their attention to the particulars of capitalism's development and articulation across time in order to better understand these terms. In this course, you will

3 credits

3 credits

study capitalism's history and your ability to apply critical thinking skills to questions about the global history of capitalism. This course will emphasize the roles played by states (and other institutions), cultures, and technologies in the development of capitalist systems.

HIST 211 History of Leisure

3 credits

(CMSD Equivalent: BARDHS68) In an 1880 lecture, James Garfield proclaimed: "We may divide the whole struggle of the human race into two chapters: first the fight to get leisure; and then the second fight of civilization-what shall we do with our leisure when we get it?" Since this time, Americans have struggled over several questions relating to leisure: what is leisure? Is there a right to leisure? If so, who has that right? What restrictions should there be on leisure time and recreational activities? How might leisure be productive? Where should leisure take place? What lines should be drawn between public and private leisure. between work and leisure, and between the leisure activities of different social groups? In this course, we will investigate these questions - as well as the conflicts and dilemmas they emerged from - in order to gain an understanding of how and why Americans' participation in leisure activities and their ideas about leisure have changed over time. Over the course of the semester, you should gain new perspectives on U.S. history, and contemporary America, by critically examining Americans' leisure and recreational activities from the early republic to the present.

SST 103 Difficult Questions about Race, Sex and Religion

(CMSD Equivalent: BARD065)

3 credits The course title - Difficult Questions about Race, Sex and Religion - is the theme of the fall 2016 Hannah Arendt Humanities Conference at Bard College. Through lectures, readings and discussion, this course will explore related topics by asking difficult questions and exploring ways that we can talk to each other across differences and other divides. Students in this course will be required to attend and participate in the fall 2016 humanities conference at Bard College in NY in October. Course activities before the conference will prepare students to be engaged in the conference events. Students will expand their examination of these difficult questions after the conference, culminating in a presentation at a mini-conference at BHSEC Cleveland. This course will be team-taught with various guest lecturers and discussion facilitators.

SST 210 Diversity and Democracy

(CMSD Equivalent: BARDHS73)

3

credits

Debates about the role of diversity in democracy are as prevalent as ever. Whether it is the discussion of reproductive health and voting rights in different populations, police shootings of unarmed black men, the perceived security threats posed by some immigrant groups, or the cultural climate on college and university campuses, diversity has proven to be both a durable organizing principle and contentious issue in the US as society becomes increasingly diverse and citizens are less willing to 'forget' their many differences to melt into a dominant national culture. In this course we will examine the nature of social and cultural diversity, including religion, gender, sexuality, race,

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ethnicity, and class, and ask how diversity relates to democracy. Specific themes we will consider include: race and democracy, the politics of recognition, and the ethics of identity. In addressing these issues we will take a deeply multidisciplinary approach, drawing on disciplines ranging from philosophy, political science and literature to sociology, art and ethnic studies.

No Division

NDIV 101 Research Workshop I

(CMSD Equivalent: BARD123) During the first semester of Research Workshop you take your first steps toward research and writing at the college level. Through the study of different writing genres, students will gain fluency a range of writing styles and work toward articulating their ideas within the conventions of different genres. Students will explore how various academic research methods/tools can be applied across different disciplines. Students will practice formulating research questions, conducting research searches, outlining findings, and so on.

NDIV 102 Research Workshop II

(CMSD Equivalent: BARD124) Pre-reg: Research Workshop I

Research Workshop part II builds on the work completed in the previous semester by introducing a new writing genre - the researched argument essay. During the first half of the class we will focus on various topics in global politics and work on various formal and informal writing assignments. During the second half of the class, you will be able to choose one of the previously discussed topics and conduct independent research on it. What we will come to over the course of the semester is that academic success is not only a function of knowledge and critical thinking, but also has something to do with skills such as planning ahead, evaluating and synthesizing sources, and structuring arguments properly.

NDIV 113 Vampires and Seagulls at JJ's: Writing Center Tutor Training Institute 2 credits

In this two-week summer training, we will engage in an intense grammar review, do our usual free-writing activities, and learn and practice tutoring strategies. As we do so, we'll be working through several core texts (in which seagulls and vampires figure prominently), and as an end product, you will create your own personal grammar guide to take with you into the semester. We will work creatively and quickly as we get ready to open the Writing Center on the final day of the Institute with the rising freshmen serving as your first practice clients.

NDIV 114 Student Tutor - Writing Center

1 credit After completing the training institute, students may enroll in this course. One credit is earned for each semester of work tutoring in the writing center. You are required to tutor along a specific scheduled (determined each term) and to produce 1 workshop for your

1 credit

peers. In-taking and tracking student information will be required, along with a final written reflection.