



# Haverford College

**SPRING 2024 COURSE GUIDE**

Even though this document is updated often, the contents within may not accurately reflect the courses offered and the number of students enrolled for the term.

For questions, please contact the Registrar's Office:  
[hc-registrar@haverford.edu](mailto:hc-registrar@haverford.edu).

### Faculty-Approved Teaching Times

M	1:30 PM-3:55 PM
M	7:30 PM-9:55 PM
M F	1:00 PM-2:25 PM
M W F	8:30 AM-9:25 AM
M W F	9:30 AM-10:25 AM
M W F	10:30 AM-11:25 AM
M W F	11:30 AM-12:25 PM
M W F	1:30 PM-2:25 PM
M W F	2:30 PM-3:25 PM
M W	11:30 AM-12:55 PM
M W	1:00 PM-2:25 PM
M W	2:30 PM-3:55 PM
M F	11:30 AM-12:55 PM
M F	2:30 PM-3:55 PM
T	1:30 PM-3:55 PM
T	7:30 PM-9:55 PM
T Th	8:30 AM-9:55 AM
T Th	10:00 AM-11:25 AM
T Th	11:30 AM-12:55 PM
T Th	1:00 PM-2:25 PM
T Th	2:30 PM-3:55 PM
Th	1:30 PM-3:55 PM
W	1:30 PM-3:55 PM
W F	11:30 AM-12:55 PM
W F	1:00 PM-2:25 PM
W F	2:30 PM-3:55 PM
F	1:30 PM-3:55 PM

### Numbering System & Symbols

**001-009** elementary courses.  
**100-199** first-year and introductory courses.  
**200-299** second-year courses.  
**300-399** advanced courses.  
**400-499** special categories of work (e.g., 480 for independent study courses).

#### **The suffixes (following a number) indicate:**

**A:** one-credit course given in the Fall Semester.  
**B:** one-credit course given in the Spring Semester.  
**C:** one-credit course given throughout the year.  
**D:** half-credit course given during September-October.  
**E:** half-credit course given during November-December.  
**F:** half-credit course given throughout the first semester.  
**G:** half-credit course given during February-March.  
**H:** half-credit course given during April-May.  
**I:** half-credit course given throughout the second semester.  
**J:** half-credit course given throughout the year.

## Academic Calendar

SEMESTER II (SPRING 2024)	
Monday, January 15	Martin Luther King Day - Classes not in session
Monday, January 22	Classes begin at Haverford, Bryn Mawr, and Swarthmore
Friday, January 26	Last day to uncover Pass/Fail courses from previous semester
Wednesday, January 31	Final academic verification at Haverford and Bryn Mawr Registration ends
Friday, February 9	Last day to drop a credit at Haverford and Bryn Mawr
Friday, February 23	<a href="#">Faculty reports of concern to CSSP due</a> <a href="#">Academic Flexibility Petitions to CSSP due</a>
Friday, March 8	First quarter classes end Last day to request Pass/Fail, First Quarter courses only Spring break begins at 4:00 p.m.
Monday, March 18	Classes resume at 8:30 a.m. Second quarter classes begin
Wednesday, March 27	Last day to drop second quarter class
Friday, March 29	<a href="#">Faculty reports of concern to CSSP due</a> <a href="#">Academic Flexibility Petitions to CSSP due</a>
Monday, April 8	Pre-Registration for fall semester begins
Friday, April 19	Pre-Registration for fall semester ends <a href="#">Major Declaration Forms due in Registrar's Office</a> Returning students' Financial Aid Applications due
Friday, May 3	Classes end at Haverford and Bryn Mawr Last day to request Pass/Fail, full semester & 2nd quarter courses All papers (except those in lieu of exams) and lab notebooks due
Saturday, May 4 - Tuesday, May 7	Reading Period
Monday, May 6 - Wednesday, May 8	Senior Comprehensive Examinations Optional Final Examination Period
Wednesday, May 8	Final Examination Period begins
Saturday, May 11	Final examinations for Seniors due at 5:00 p.m.

Monday, May 13	Senior Grades due in Registrar's Office by 5:00 p.m.
Friday, May 17	Semester II ends at noon Final examinations for non-Seniors due at noon
Saturday, May 18	<a href="#">Commencement at Haverford College – 10:00 a.m.*</a> <a href="#">Commencement at Bryn Mawr College</a>
Friday, May 24	Final grades due in the Registrar's Office by 12:00 noon
Friday, May 31 - Sunday, June 2	<a href="#">Alumni Weekend</a> (Tentative)

\*Subject to change

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<b>AFST</b>	<b>H214B</b>				<b>The Black Power Movement</b>					
<p>This course examines the history, politics, and culture of the black power movement in the United States. We will explore the intellectual and political activities of major activists and organizations during the 1960s and 1970s. We will also examine the black power movement's global dimensions in addition to its connection to other social movements and political traditions including black feminism, Marxism, Pan-Africanism, and gay liberation. By the end of this course, students will have a solid understanding of the ways black power transformed both politics and culture in the United States after World War II.</p> <p>Crosslisted: HIST.                      Enrollment Limit: 25.00                      Attributes: A: Meaning, Interpretation (Texts)    Africana Studies    B: Analysis of the Social World    Social Science</p>										
	2879	001	1.0	Kevin Quin		T Th	10:00AM	11:25AM		0
	2879	001	1.0	Kevin Quin		T Th	10:00AM	11:25AM		0
<b>AFST</b>	<b>H254B</b>				<b>RAP and Religion: Rhymes about God and the Good</b>					
<p>We will explore the origins, existential, and ethical dimensions of Rhythm and Poetry (RAP) music. Giving attention to RAP songs written and produced by African American artists, including Tupac, Nas, Jay-Z, The Roots, Lauryn Hill, and Kanye West, we will analyze their work with an interest in understanding a) the conceptions of God and the good reflected in them, b) how these conceptions connect to and reflect African American social and cultural practices, and c) how the conceptions under consideration change over time.</p> <p>Enrollment Limit: 25                      Lottery Preference(s): Senior religion majors, then junior religion majors, then all others                      Attributes: Africana Studies    B: Analysis of the Social World    Humanities</p>										
	1675	001	1.0	Terrance Wiley		T	7:30PM	9:55PM		0
<b>AFST</b>	<b>H302B</b>				<b>Black Queer Studies</b>					
<p>This seminar examines the intellectual and political issues at stake in the field of black queer studies. Black queer studies consists of theories and methods that examine how race, gender, and sexuality intersect in ways that shape our everyday lives. We will explore foundational texts, central themes, and key debates within black queer studies in relation to other fields of thought including queer of color critique, African diaspora studies, and trans studies.</p> <p>Crosslisted: GSST.                      Enrollment Limit: 15.00                      Attributes: A: Meaning, Interpretation (Texts)    Africana Studies    B: Analysis of the Social World    Gender and Sexuality Studies    Social Science</p>										
	2881	001	1.0	Kevin Quin		Th	1:30PM	3:55PM		0
<b>ANTH</b>	<b>H103B</b>				<b>Introduction to Anthropology</b>					
<p>An introduction to the basic ideas and methods of social anthropology. Examines major theoretical and ethnographic concerns of the discipline from its origins to the present, such as family and kinship, production and reproduction, history and evolution, symbolism and representation, with particular attention to such issues as race and racism, gender and sexuality, class, and ethnicity.</p> <p>Prerequisite(s): Not open to students who have completed BMC ANTH 102                      Enrollment Limit: 40                      Attributes: B: Analysis of the Social World    Social Science</p>										
	1725	001	1.0	Zolani Noonan-Ngwane		M W	11:30AM	12:55PM		0
<b>ANTH</b>	<b>H222B</b>				<b>Human Rights and Culture</b>					
<p>This course offers an overview of the human rights system, looking at its basic elements and studying how it works. At the heart of this course is the question of "culture" and its relation to human rights. We will focus on the tensions and translations between human rights and culture and between global ideas and practices and local ones. The goal of the course is developing an understanding of human rights in practice and theorizing the intersections between social fields thought of as global and local.</p> <p>Crosslisted: Anthropology; Peace, Justice and Human Rights                      Prerequisite(s): Intro to Anthropology OR Intro to PJHR</p>										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
Enrollment Limit: 15										
<i>Attributes: B: Analysis of the Social World Peace, Justice and Human Rights Social Science</i>										
	2427	001	1.0	Zeynep Sertbulut		T Th	11:30AM	12:55PM		0
<b>ANTH</b>	<b>H233B</b>	<b>Decolonizing Visual Anthropology</b>								
This is a hybrid video production and theory course which grapples with the entanglements between ethnographic film/documentary and colonial structures of power. We will bring a decolonizing lens to explore—through texts, screenings, and making films—major modalities in the field including sensory ethnography, indigenous media, and feminist experimental film.										
Crosslisted: Visual Studies, Anthropology										
Prerequisite(s): at least one course in Anthropology or Visual Studies										
Enrollment Limit: 8										
Lottery Preference(s): Visual Studies minors and Anthropology majors/minors										
<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science Visual Studies</i>										
	2428	001	1.0	Emily Hong		T	1:30PM	3:55PM	VCAM201	0
<b>ANTH</b>	<b>H239B</b>	<b>Visions of Justice: Intersectionality and Legal Consciousness in Asian Cinema</b>								
This course aims to deepen our understanding of Asian law and society through independent films by Asian directors. We will analyze films that offer a window into individual and collective struggles for gender justice, freedom of expression, and environmental justice.										
Crosslisted: Visual Studies; Anthropology; East Asian Languages & Cultures; Peace, Justice and Human Rights										
Enrollment Limit: 15										
Lottery Preference(s): Equal preference to Visual Studies minors, Anthropology majors/minors, Peace, Justice and Human Rights concentrators, and East Asian Languages & Cultures majors/minors										
<i>Attributes: A: Meaning, Interpretation (Texts) Peace, Justice and Human Rights Social Science Visual Studies A:</i>										
<i>Meaning, Interpretation (Texts) Peace, Justice and Human Rights</i>										
	2431	001	1.0	Emily Hong		T	10:00AM	11:25AM	VCAM001	0
	2431	001	1.0	Emily Hong		Th	10:00AM	11:25AM	VCAM102	0
<b>ANTH</b>	<b>H265B</b>	<b>Medical Anthropology</b>								
What does it mean to attempt a critical anthropology of the body, illness experience, disease etiology, healing practices, and the epistemology of contemporary biomedicine across a diverse group of cultures and traditions? This course seeks to begin to answer this and other questions by examining the historical development of the field of medical anthropology, exploring the theoretical and philosophical underpinnings of the debates that have shaped the field, and examining the methodological concerns and ethnographic investigations that have broadened the scope of its inquiry. Readings range from classical ethnographic writings, philosophical treatises, anthropological theory, indigenous philosophers, and first person accounts of illness and health.										
Enrollment Limit: 25										
Lottery Preference(s): 1.) Health Studies minors 2.) Anthropology majors and minors										
<i>Attributes: B: Analysis of the Social World Health Studies Humanities</i>										
	2434	001	1.0	Michael D'Arcy		T Th	1:00PM	2:25PM		0
<b>ANTH</b>	<b>H277B</b>	<b>Media and the Middle East</b>								
What can we learn about the Middle East by examining media? What can we about media by studying institutions of production and practices of consumption in the Middle East region? In this course, we will read ethnographies of media from the Middle East and look at and listen to media. We will explore cases from different countries, from Egypt to Syria, Turkey to Afghanistan, from Lebanon to Palestine/Israel.										
Crosslisted: VIST.										
Pre-requisite(s): 100-level course in social sciences, or humanities.										
Lottery Preference: Senior anthropology students have a priority to take the class.										
Enrollment Limit: 25.00										
<i>Attributes: B: Analysis of the Social World Social Science Visual Studies</i>										
	1741	001	1.0	Zeynep Sertbulut		T Th	2:30PM	3:55PM		0

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<b>ANTH</b>	<b>H335B</b>				<b>The Anthropology of Ecstasy: Psyche, Soma, and the Out-of-Body</b>					
<p>How should contemporary anthropology understand trance, possession, and ecstatic experience? Through course readings, we will interrogate normative understandings of the relationship between mind, body, and collective life via a range of classical and contemporary anthropological texts. Drawing upon diverse theoretical paradigms such as symbolic and structural anthropology, psychoanalysis, and phenomenology, we will explore the ways in which individual engagements with collective life act directly upon and constitute this mind/body interface, at times destabilizing it altogether.</p> <p>Crosslisted: HLTH.</p> <p>Pre-requisite(s): 200 level course in the social sciences</p> <p>Lottery Preference: I would prefer students who are majoring in anthropology and/or health studies be given preference.</p> <p>Enrollment Limit: 15.00</p> <p>Attributes: B: Analysis of the Social World Health Studies Social Science</p>										
	1776	001	1.0		Michael D'Arcy	W	1:30PM	3:55PM		0
<b>ANTH</b>	<b>H337B</b>				<b>Anthropology of Writing and the Politics/Poetics of Intertextuality</b>					
<p>An interdisciplinary exploration of writing as a social institution, personal ritual, cultural artifact and a technology, this course theorizes the interface between tradition and innovation as a way to think about intertextuality using Jewish American fiction as a case study</p> <p>Crosslisted: COML</p> <p>Attributes: B: Analysis of the Social World Social Science</p>										
	2558	001	1.0		Zolani Noonan-Ngwane	F	1:30PM	3:55PM		0
<b>ANTH</b>	<b>H451B</b>				<b>Senior Seminar: Supervised Research and Writing</b>					
<p>The spring semester of the two-semester senior thesis seminar. Students complete research on their thesis and write an ethnography. Most of the semester is individual meetings between thesis writers and advisors. The spring senior thesis seminar includes a public thesis presentation and an oral exam.</p> <p>Attributes: B: Analysis of the Social World Social Science</p>										
	1152	001	1.0		Zolani Noonan-Ngwane					0
	1723	002	1.0		Emily Hong					0
	1724	003	1.0		Michael D'Arcy					0
	1783	004	1.0		Zeynep Sertbulut					0
<b>ARAB</b>	<b>H002B</b>				<b>Introduction to Modern Standard Arabic</b>					
<p>Enrollment Limit: 20</p> <p>Drills for this course:</p> <p>M/W/F 8:30-9:30 at Haverford OR</p> <p>M/W/F 10:00-11:00 at Bryn Mawr.</p> <p>Lottery Preference(s): 14 spaces reserved for incoming freshmen; (1) Freshman; (2) sophomore; (3) Junior; (4) major/Minor/Concentration; (5) Permission of Instructor</p> <p>Attributes: A: Meaning, Interpretation (Texts) Humanities Middle Eastern/Central Asian/North African Studies</p>										
	1148	001	1.5		Manar Darwish	T Th	8:30AM	9:55AM		0
	1149	00A	.0		Manar Darwish	Meets at Haverford	M W F	8:30AM	9:25AM	0
	1150	00B	.0		Manar Darwish	Meets at Bryn Mawr	M W F	10:10AM	11:00AM	0
<b>ARTS</b>	<b>H103G</b>				<b>Arts Foundation-Photography</b>					
<p>This is a half-semester course to introduce the craft and artistry of photography to students with some or no skills in photography. Students learn how to develop negatives, print enlargements, and printing techniques such as burning, dodging, and exposure time. This class also requires a two-hour workshop. The day and time of the workshop will be determined during the first class. Offered in the first quarter.</p> <p>Enrollment Limit: 12</p> <p>Attributes: A: Creative Expression Humanities Visual Studies</p>										
	1200	001	.5		William Williams	M	1:30PM	3:55PM		0
<b>ARTS</b>	<b>H104G</b>				<b>Arts Foundation: Sculpture</b>					

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld	
					<p>This is a seven-week, half semester course designed to provide an introduction to three dimensional concepts and techniques. Skills associated with organizing and constructing three-dimensional form will be addressed through a series of projects within a contemporary context. The first projects will focus on basic three-dimensional concepts, while later projects will allow for greater individual self-expression and exploration. Various fabrication skills including construction, modeling, basic mold making, and casting will be demonstrated in class. All fabrication techniques will be covered in detail in class, and no prior experience is required to successfully complete this course</p> <p>Enrollment Limit: 15</p> <p>Lottery Preference(s): Fine Arts Majors</p> <p>Attributes: A: <i>Creative Expression</i> <i>Humanities</i> <i>Visual Studies</i></p>						
		1205	001	.5	Markus Baenziger	W	1:30PM	3:55PM		0	
<b>ARTS</b>	<b>H104H</b>	<b>Arts Foundation-Sculpture</b>									
					<p>This is a seven-week, half semester course designed to provide an introduction to three dimensional concepts and techniques. Skills associated with organizing and constructing three-dimensional form will be addressed through a series of projects within a contemporary context. The first projects will focus on basic three-dimensional concepts, while later projects will allow for greater individual self-expression and exploration. Various fabrication skills including construction, modeling, basic mold making, and casting will be demonstrated in class. All fabrication techniques will be covered in detail in class, and no prior experience is required to successfully complete this course</p> <p>Enrollment Limit: 15</p> <p>Lottery Preference(s): Fine Arts Majors</p> <p>Attributes: A: <i>Creative Expression</i> <i>Humanities</i> <i>Visual Studies</i></p>						
		1198	001	.5	Markus Baenziger	W	1:30PM	3:55PM		0	
<b>ARTS</b>	<b>H106G</b>	<b>Arts Foundation - Drawing</b>									
					<p>This is a seven-week introductory level course designed to provide an overview of basic drawing techniques addressing line, form, perspective, and composition. Various drawing methods will be introduced in class, and students will gain experience in drawing by working from still life, models, and architecture. Preference to declared majors who need Foundations, and to students who have entered the lottery for the same Foundations course at least once without success.</p> <p>Enrollment Limit: 18</p> <p>Attributes: A: <i>Creative Expression</i> <i>Humanities</i> <i>Visual Studies</i></p>						
		1208	001	.5	Zachary Hill	M	1:30PM	3:55PM		0	
<b>ARTS</b>	<b>H106H</b>	<b>Arts Foundation - Drawing</b>									
					<p>This is a seven-week introductory level course designed to provide an overview of basic drawing techniques addressing line, form, perspective, and composition. Various drawing methods will be introduced in class, and students will gain experience in drawing by working from still life, models, and architecture. Preference to declared majors who need Foundations, and to students who have entered the lottery for the same Foundations course at least once without success.</p> <p>Enrollment Limit: 18</p> <p>Attributes: A: <i>Creative Expression</i> <i>Humanities</i> <i>Visual Studies</i></p>						
		1206	001	.5	Zachary Hill	M	1:30PM	3:55PM		0	
<b>ARTS</b>	<b>H107G</b>	<b>Arts Foundation-Painting</b>									
					<p>A seven-week introductory course for students with little or no experience in painting. Students will be first introduced to the handling of basic tools, materials and techniques. We will study the color theory such as interaction of color, value &amp; color, warms &amp; cools, complementary colors, optical mixture, texture, surface quality. We will work from live model, still life, landscape, imagination and masterwork.</p> <p>Enrollment Limit: 15</p> <p>Lottery Preference: Fine Arts majors and minors</p> <p>Attributes: A: <i>Creative Expression</i> <i>Humanities</i> <i>Visual Studies</i></p>						
		1640	001	.5	Jonathan C. Goodrich	T	10:00AM	12:25PM		0	
<b>ARTS</b>	<b>H107H</b>	<b>Arts Foundation-Painting</b>									
					<p>A seven-week introductory course for students with little or no experience in painting. Students will be first introduced to the handling of basic tools, materials and techniques. We will study color theory such as interaction of color, value &amp;</p>						



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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
					color, warms & cools, complementary colors, optical mixture, texture, and surface quality. We will work from live model, still life, landscape, imagination and masterwork. Enrollment Limit: 15 Lottery Preference: Fine Arts majors and minors Attributes: A: Creative Expression Humanities Visual Studies					
		1201	001	.5	Jonathan C. Goodrich	T	10:00AM	12:25PM		0
<b>ARTS</b>	<b>H108H</b>	<b>Arts Foundation-Photography</b>			This is a half-semester course to introduce the craft and artistry of photography to students with some or no skills in photography. Students learn how to develop negatives, print enlargements, and printing techniques such as burning, dodging, and exposure time. This class also requires a two-hour workshop. The day and time of the workshop will be determined during the first class. Offered in the second quarter. Enrollment Limit: 15 Attributes: A: Creative Expression Humanities Visual Studies					
		1202	001	.5	William Williams	M	1:30PM	3:55PM		0
<b>ARTS</b>	<b>H121H</b>	<b>Foundation Printmaking- Relief</b>			Attributes: Humanities					
		1209	001	.5	Hee Sook Kim	W	10:00AM	12:25PM		0
<b>ARTS</b>	<b>H124G</b>	<b>Foundation Printmaking: Monotype</b>			Basic printmaking techniques in Monotype medium. Painterly methods, direct drawing, stencils, brayer techniques for beginners in printmaking will be taught. Color, form, shape, and somposition in 2-D format will be explored. Individual and group critiques will be employed. Enrollment Limit: 15 Attributes: A: Creative Expression Humanities Visual Studies					
		1204	001	.5	Hee Sook Kim	W	10:00AM	12:25PM		0
<b>ARTS</b>	<b>H224B</b>	<b>Computer and Printmaking</b>			Computer-generated images and printmaking techniques. Students will create photographic, computer processed, and directly drawn images on lithographic polyester plates and zinc etching plates. Classwork will be divided between the computer lab and the printmaking studio to create images using both image processing software and traditional printmaking methods, including lithography, etching, and silk-screen. Broad experimental approaches to printmaking and computer techniques will be encouraged. Individual and group critiques will be employed. enrollment limit: 12 Lottery Preference: Fine Arts Major and Minors Attributes: A: Creative Expression Humanities Visual Studies					
		2339	001	1.0	Hee Sook Kim	Th	10:00AM	12:25PM		0
<b>ARTS</b>	<b>H233B</b>	<b>Painting: Materials and Techniques</b>			Students are encouraged to experiment with various painting techniques and materials in order to develop a personal approach to self-expression. We will emphasize form, color, texture, and the relationship among them; influences of various techniques upon the expression of a work; the characteristics and limitations of different media. Students will work from observation, conceptual ideas and imagination. Course includes drawing projects, individual and group crits, slide lectures, museum and gallery visits. Prerequisite: Fine Arts Foundations or consent. Attributes: Humanities Visual Studies					
		1641	001	1.0	Jonathan C. Goodrich	T	1:30PM	3:55PM		0
<b>ARTS</b>	<b>H243B</b>	<b>Sculpture: Materials and Techniques</b>			This course is designed to give students an in-depth introduction to a comprehensive range of three-dimensional concepts and fabrication techniques. Emphasis will be on wood and metal working, and additional processes such as casting procedures for a range of synthetic materials and working with digital tools including a laser cutter and CNC equipment will be introduced in class. Course may be repeated for credit. Attributes: A: Creative Expression Humanities Visual Studies					
		2335	001	1.0	Markus Baenziger	W	10:00AM	12:25PM		0

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<b>ARTS</b>	<b>H251B</b>				<b>Photography: Materials and Techniques</b>					
<p>Students are encouraged to develop an individual approach to photography. Emphasis is placed on the creation of color photographic prints which express plastic form, emotions and ideas about the physical world. Work is critiqued weekly to give critical insights into editing of individual student work and the use of the appropriate black-and-white photographic materials in analog or digital formats necessary to give coherence to that work. Study of the photography collection, gallery and museum exhibitions, lectures and a critical analysis of photographic sequences in books and a research project supplement the weekly critiques. In addition students produce a handmade archival box to house their work, which is organized into a loose sequence and mounted to archival standards. Prerequisite: Fine Arts 103 or equivalent.</p> <p>Prerequisite: Fine Arts 103 or equivalent.</p> <p>Attributes: A: Creative Expression Humanities Visual Studies</p>										
	1203	001	1.0	William Williams		M	10:00AM	12:25PM		0
<b>ARTS</b>	<b>H343B</b>				<b>Experimental Studio: Sculpture</b>					
<p>In this studio course the student is encouraged to experiment with ideas and techniques with the purpose of developing a personal expression. It is expected that the student will already have a sound knowledge of the craft and aesthetics of sculpture and is at a stage where personal expression has become possible. May be repeated for credit.</p> <p>Prerequisite: Fine Arts 243A or B, or consent of instructor</p> <p>Attributes: A: Creative Expression Humanities Visual Studies</p>										
	1207	001	1.0	Markus Baenziger		Th	10:00AM	12:25PM		0
<b>ARTS</b>	<b>H460B</b>				<b>Teaching Assistant</b>					
<p>Attributes: Humanities</p>										
	1524	001	1.0	TBA Department staff						0
<b>ARTS</b>	<b>H499B</b>				<b>Senior Departmental Studies</b>					
<p>The student reviews the depth and extent of experience gained, and in so doing creates a coherent body of work expressive of the student's insights and skills. At the end of the senior year the student is expected to produce a show of his or her work.</p> <p>Prerequisite: Senior Majors</p> <p>Attributes: Humanities</p>										
	1199	001	1.0	Hee Sook Kim		W	7:00PM	9:25PM		0
<b>ASTR</b>	<b>H101B</b>				<b>Astronomical Ideas</b>					
<p>Fundamental concepts and observations of modern astronomy, such as the properties of planets, the birth and death of stars, and the properties and evolution of the Universe. Not intended for students majoring in the physical sciences.</p> <p>Enrollment limit: 30</p> <p>Attributes: C: Physical and Natural Processes Natural Science Quantitative</p>										
	1593	001	1.0	Islam Khan		M W F	10:30AM	11:25AM		0
<b>ASTR</b>	<b>H104B</b>				<b>Topics in Intro Programming: Physics and Astronomy</b>					
<p>Topics in Introductory Programming is designed to give a general introduction to programming as related to data analysis across many fields. Students will be introduced to standard introductory programming imperative and object oriented techniques as well as data structures necessary to create efficient and understandable algorithmic solutions to problems. This course satisfies the prerequisite for CMSC 107.</p> <p>Antirequisite(s): Students who have taken a semester of college-level computer science (e.g.,CMSC105) or placed into CMSC107 are ineligible to take this course. It is intended for students with little or no background in computer programming. This course is equivalent to CMSC 104.</p> <p>Enrollment Limit: 24</p> <p>Lottery Preferences: first years, then sophomores, then all other students.</p> <p>Attributes: C: Physical and Natural Processes Natural Science Quantitative</p>										
	1283	001	.0	Andrea N. Lommen		M W	1:00PM	2:25PM		0
	1285	00A	1.0	TBA Department staff						0
	1286	00B	1.0	TBA Department staff						0
<b>ASTR</b>	<b>H304B</b>				<b>Computational Physics</b>					

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld		
					<p>An introduction to the methods and problems of computational physics, including matrix methods, ordinary differential equations, integration, eigensystems, Monte Carlo techniques, Fourier analysis, and iterative methods. Course will include a substantial independent project.</p> <p>Crosslisted: Physics, Astronomy, Computer Science</p> <p>Prerequisite(s): PHYS 213 or BMC PHYS 306 or instructor consent</p> <p>Enrollment Limit: 18</p> <p>Lottery preferences as follows:</p> <p>Senior Physics, Astrophysics and astronomy majors</p> <p>Senior Scientific Computing Concentrators</p> <p>Junior majors</p> <p>Junior Scientific Computing Concentrators</p> <p>Other Seniors</p> <p>Sophomores</p> <p>Freshmen</p> <p>Attributes: C: Physical and Natural Processes Natural Science</p>							
		1284	001	1.0	Daniel Grin	T Th	10:00AM	11:25AM		0		
<b>ASTR</b>	<b>H352I</b>	<b>Topics in Astrophysics: Extragalactic Data Science</b>										
					<p>A 0.5 credit upper level astronomy/astrophysics elective, which can be taken in series with the other 0.5 credit upper level Astro elective offered the same semester, or as a stand-alone course. This class will cover the basics of modern extragalactic science (a review of our knowledge of the Milky Way and external galaxies) alongside hands on projects involving data science/statistical techniques used to investigate them. Assessment will be highly project based, with regular coding assignments (in python) done during class time, and guided reading of both current, and classic astrophysical literature. Students will leave with an understanding of extragalactic astrophysics as a modern data focused science.</p> <p>Crosslisted: PHYS.</p> <p>Pre-requisite(s): ASTR204</p> <p>Attributes: C: Physical and Natural Processes Natural Science</p>							
		2413	001	.5	Karen L. Masters	M	1:00PM	2:25PM		0		
<b>ASTR</b>	<b>H356I</b>	<b>Topics in Physics/Astronomy: Introduction to Astroparticle Physics</b>										
					<p>Astroparticle physics is the study of fundamental particles traveling through space coming from various astrophysical sources. The energies of some of these particles are much higher compared to the ones achievable by the most powerful human-made particle accelerators. In this course, we will learn about cosmic rays, Gamma-rays, neutrinos, neutrino oscillations and masses, dark matter cross-section, freezeout, evidences, candidates, and searches. There will be an emphasis on dark matter and neutrino physics and detection.</p> <p>Crosslisted: ASTR.</p> <p>Pre-requisite(s): ASTR 204 or BMC equiv. PHYS 214 or BMC equiv. (can be taken concurrently)</p> <p>Lottery Preference: Juniors and seniors majoring in physics, astrophysics, and astronomy.</p> <p>Enrollment Limit: 15.00</p> <p>Attributes: C: Physical and Natural Processes Natural Science Quantitative</p>							
		2876	001	.5	Islam Khan	T	7:30PM	8:55PM		0		
<b>ASTR</b>	<b>H404B</b>	<b>Research in Astrophysics</b>										
					<p>Intended for those students who choose to complete an independent research project in astrophysics under the supervision of a faculty member.</p> <p>Attributes: Natural Science</p>							
		1314	001	1.0	Andrea N. Lommen					0		
		1315	002	1.0	Karen L. Masters					0		
<b>ASTR</b>	<b>H404I</b>	<b>Research in Astrophysics</b>										
					<p>Intended for those students who choose to complete an independent research project in astrophysics under the supervision of a faculty member.</p> <p>Attributes: Natural Science</p>							
		1318	001	.5	Andrea N. Lommen					0		

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld	
		1319	002	.5	Karen L. Masters					0	
<b>BIOL</b>	<b>H104B</b>	<b>Introduction to Programing in Biology</b>									
<p>DNA sequencing and high-throughput experiments generate huge amounts of biological data, which biologists explore with computational tools. This course serves as a general introduction to such programing by applying the Python programming language to experimental evolutionary biology. We will use programming skills to investigate how evolution can modify populations in specific ways; students will build a computational, evolutionary 'reactor' in which simulated RNA molecules fold into 3D shapes, mutate, reproduce, and evolve as a population.</p> <p>Pre-requisite(s): No prerequisites, but anti-requisite of: CMSC 105 / 107; Bryn Mawr's CMSC 110; or placement into a higher course than CMSC 105.</p> <p>Lottery Preference: First-year students, then second-year students, then third year students.</p> <p>Enrollment Limit: 25.00</p> <p>Attributes: C: Physical and Natural Processes Natural Science</p>											
		2572	001	1.0	Eric Miller	M W	11:30AM	12:55PM		0	
		2573	00A	.0	Sara Mathieson					0	
		2574	00B	.0	Sara Mathieson					0	
<b>BIOL</b>	<b>H201B</b>	<b>Molecules, Cells, &amp; Organisms</b>									
<p>Three hours of lecture and one laboratory period per week. A one-year course in cellular and molecular biology, Biology 200 considers the cell as a unit of biological activity. Biology 200B is an introduction to the major macromolecules of the cell, which includes a discussion of their synthesis and breakdown and leads into a discussion of cellular structures. The laboratory introduces the student to cell and molecular biology and biochemistry.</p> <p>Enrollment per lab section is limited to 28. Preference for a specific lab section will be given to students preregistering for that lab section; students who do not preregister will be assigned on a space available basis. When two sections of the lecture component are offered one lecture section will be limited to 50. Four sections, limited to 28.</p> <p>Prerequisite(s): BIOL H200 with a grade of 2.0 or higher, or instructor consent</p> <p>Attributes: C: Physical and Natural Processes Natural Science</p>											
		1234	001	1.0	Karl A. Johnson	M W	11:30AM	12:55PM		0	
		1473	002	1.0	Karl A. Johnson	T Th	10:00AM	11:25AM		0	
		2490	003	1.0	Karl A. Johnson	T Th	10:00AM	11:25AM		0	
		1235	00A	.0	Shirley Lang	Pre-Lab	T	1:00PM	2:30PM	SHA118	0
		1235	00A	.0	Shirley Lang	Lab	T	1:00PM	4:00PM	SHA113	0
		1236	00B	.0	Nancy Maas	Lab	W	1:00PM	4:00PM	SHA113	0
		1236	00B	.0	Shirley Lang	Pre-Lab	W	1:00PM	2:30PM	SHA118	0
		1237	00C	.0	Shirley Lang	Pre-Lab	Th	1:00PM	2:30PM	SHA118	0
		1237	00C	.0	Shirley Lang	Lab	Th	1:00PM	4:00PM	SHA113	0
		1238	00D	.0	Shirley Lang	Pre-Lab	F	1:00PM	2:30PM	SHA118	0
		1238	00D	.0	Nancy Maas	Lab	F	1:00PM	4:00PM	SHA113	0
<b>BIOL</b>	<b>H301B</b>	<b>Advanced Lab in Biology Sem 2</b>									
<p>One lecture and two laboratory periods per week. An introduction to the application of modern experimental approaches in the study of interesting biological questions. Techniques employed are drawn from: cloning and nucleic acids (DNA and RNA) manipulation, including polymerase chain reaction (PCR) and site-directed mutagenesis; protein expression, purification and characterization, with emphasis on circular dichroism and fluorescence spectroscopy; immunofluorescence, confocal and electron microscopy; and fluorescence-activated cell sorting (FACS) analysis. Preference for a specific lab section will be given to students preregistering for that lab section; students who do not preregister will be assigned on a space available basis.</p> <p>Prerequisite(s): BIOL H200 and BIOL H201 with a grade of 2.0 or above, or instructor consent</p> <p>Enrollment Limit: 32</p> <p>Lottery Preference(s): Biology majors</p> <p>Attributes: C: Physical and Natural Processes Natural Science C: Physical and Natural Processes Natural Science</p>											
		1683	001	.0	Rachel Hoang	M	1:00PM	2:25PM		0	

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
		1683	001	.0	Foen Peng	M	1:00PM	2:25PM		0
		1681	00A	1.0	Foen Peng	T Th	1:00PM	4:00PM	ESTW105	0
		1681	00A	1.0	Rachel Hoang	T Th	1:00PM	4:00PM	ESTW105	0
		1682	00B	1.0	Rachel Hoang	W F	1:00PM	4:00PM	ESTW105	0
		1682	00B	1.0	Foen Peng	W F	1:00PM	4:00PM	ESTW105	0
<b>BIOL</b>	<b>H301G</b>	<b>Advanced Lab in Biology Sem 2</b>								
		One lecture and two laboratory periods per week. An introduction to the application of modern experimental approaches in the study in interesting biological questions. Techniques employed are drawn from: cloning and nucleic acids (DNA and RNA) manipulation, including polymerase chain reaction (PCR) and site-directed mutagenesis; protein expression, purification and characterization, with emphasis on circular dichroism and fluorescence spectroscopy; immunofluorescence, confocal and electron microscopy; and fluorescence-activated cell sorting (FACS) analysis. Preference for a specific lab section will be given to students preregistering for that lab section; students who do not preregister will be assigned on a space available basis. Enrollment in the half-semester module is by consent of instructor only. Prerequisite(s): Successful completion of BIOL H200A and B with grades of 2.0 or higher, and instructor consent. Enrollment Limit: 32 Lottery Preference(s): Biology majors Attributes: C: Physical and Natural Processes Natural Science								
		1239	001	.5	Rachel Hoang	M	1:00PM	2:25PM		0
		1240	00A	.0	Rachel Hoang	T Th	1:00PM	4:00PM	ESTW105	0
		1241	00B	.0	Rachel Hoang	W F	1:00PM	4:00PM	ESTW105	0
<b>BIOL</b>	<b>H301H</b>	<b>Advanced Lab in Biology Sem 2</b>								
		One lecture and two laboratory periods per week. An introduction to the application of modern experimental approaches in the study in interesting biological questions. Techniques employed are drawn from: cloning and nucleic acids (DNA and RNA) manipulation, including polymerase chain reaction (PCR) and site-directed mutagenesis; protein expression, purification and characterization, with emphasis on circular dichroism and fluorescence spectroscopy; immunofluorescence, confocal and electron microscopy; and fluorescence-activated cell sorting (FACS) analysis. Preference for a specific lab section will be given to students preregistering for that lab section; students who do not preregister will be assigned on a space available basis. Enrollment in the half-semester module is by consent of instructor only. Prerequisite(s): Successful completion of BIOL H200A and B with grades of 2.0 or higher, and instructor consent. Enrollment Limit: 32 Lottery Preference(s): Biology majors Attributes: C: Physical and Natural Processes Natural Science								
		1242	001	.5	Foen Peng	M	1:00PM	2:25PM		0
		1243	00A	.0	Foen Peng	T Th	1:00PM	4:00PM	ESTW105	0
		1244	00B	.0	Foen Peng	W F	1:00PM	4:00PM	ESTW105	0
<b>BIOL</b>	<b>H303B</b>	<b>Laboratory in Biochemical Research</b>								
		An introduction to the laboratory concepts and techniques at the chemistry-biology interface including: molecular cloning, protein purification, biophysical spectroscopy, molecular modeling, and biochemical assays. Crosslisted: Chemistry, Biology Prerequisite(s): CHEM H225 Enrollment Limit: 15 Lottery Preference(s): Biochemistry concentrators Attributes: C: Physical and Natural Processes Natural Science								
		1491	001	1.0	Louise Charkoudian	T Th	11:30AM	12:25PM		0
		1492	00A	.0	Louise Charkoudian	T Th	1:00PM	3:55PM		0
<b>BIOL</b>	<b>H311G</b>	<b>Advanced Genetic Analysis</b>								
		The molecular mechanisms governing the transmission, mutation and expression of genes. Particular emphasis is placed on the use of experimental genetic methods to analyze other areas of biology. Crosslisted: Biology, Health Studies								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
Prerequisite(s): BIOL H200 and BIOL H201 with a grade of 2.0 or above, or instructor consent Enrollment Limit: 25 Attributes: <i>Biochemistry and Molecular Biology</i> <i>Biophysics</i> <i>Health Studies</i> <i>Natural Science</i> 2497 001 .5 Foen Peng T Th 10:00AM 11:25AM 0										
<b>BIOL</b>	<b>H312H</b>	<b>Development &amp; Evolution</b>								
This course introduces important links between developmental and evolutionary biology. Genetic changes that produce variations between organisms are an important aspect of evolutionary change. Since development can be viewed as a process that links genetic information to final form of an organism, the fields of development and evolution clearly impact one another. We will look at model developmental systems where mechanisms have been elucidated in remarkable detail. We will then look beyond model systems to comparative studies in a range of organisms, considering how these provide insight into evolutionary mechanisms, and how underlying differences in development may account for the differences we see between organisms. Prerequisite(s): BIOL H200A and B with a grade of 2.0 or above, or instructor consent Attributes: <i>C: Physical and Natural Processes</i> <i>Natural Science</i> <i>Neuroscience</i> 2495 001 .5 Rachel Hoang T Th 8:30AM 9:55AM 0										
<b>BIOL</b>	<b>H325H</b>	<b>Molecular Virology</b>								
This course will focus on the study of virus structure, genome organization, replication, and interactions with the host. Many different families of viruses will be highlighted, with an emphasis on those that infect humans, and specific viruses, especially those of clinical importance, will be incorporated as models within each family. Prerequisite(s): BIOL H200 and BIOL H201 with a grade of 2.0 or above, or instructor consent Enrollment Limit: 25 Attributes: <i>C: Physical and Natural Processes</i> <i>Health Studies</i> <i>Natural Science</i> 2627 001 .5 Eric Miller T Th 10:00AM 11:25AM 0										
<b>BIOL</b>	<b>H335H</b>	<b>Bioinformatics</b>								
This course will provide an introduction to the interdisciplinary field of Bioinformatics. Students will learn a variety of approaches for the acquisition, organization, analysis and interpretation of biological data sets using computational tools. Pre-requisite(s): BIOL H200 and BIOL H201 with a grade of 2.0 or above, or instructor consent Enrollment Limit: 25 Attributes: <i>C: Physical and Natural Processes</i> <i>Natural Science</i> 2890 001 .5 Geoffrey Hutinet M W 10:00AM 11:25AM 0										
<b>BIOL</b>	<b>H336H</b>	<b>The Cell Cycle</b>								
This course will focus on an examination of the eukaryotic cell cycle, a complex sequence of events that take place as cells grow and divide. Proper regulation of the cell cycle is critical in biological systems, and dysregulation can lead to diseases such as cancer. The key roles of cyclins and cyclin-dependent kinases in governing cell cycle check points will be examined, as well as the functions of oncogene and tumor suppressor gene products. Enrollment Limit: 25 Lottery Preference(s): Seniors and then Juniors, or by permission of instructor Attributes: <i>C: Physical and Natural Processes</i> <i>Natural Science</i> 2626 001 .5 Nancy Maas W F 10:00AM 11:25AM 0										
<b>BIOL</b>	<b>H338G</b>	<b>Biostatistics</b>								
Biological research depends on collecting, analyzing, and presenting data. This course will introduce the art of working with data at all stages of the scientific process, including data organization, analysis, and visualization. By analyzing real datasets, we will discuss the logic behind several foundational statistical tests and consider their strengths and limitations. Along the way, we will learn to detect misleading uses of statistics and graphs, and develop proficiency in Excel and R. Pre-requisite(s): BIOL H200A and H201B with a grade of 2.0 or above, or instructor consent Lottery Preference: Biology majors Enrollment Limit: 25.00 Attributes: <i>C: Physical and Natural Processes</i> <i>Natural Science</i> <i>Quantitative</i> 2888 001 .5 Lee Dietterich M W 10:00AM 11:25AM 0										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
		2889	002	.5	Lee Dietterich	T Th	8:30AM	9:55AM		0
<b>BIOL</b>	<b>H380B</b>	<b>Independent Study for Juniors</b>								
		Students may receive credit for approved study and/or work in the laboratory under the supervision of a professor. This work may take the form of a guided series of readings with associated written work, or a supervised laboratory research project with a final write-up and presentation.								
		Prerequisite(s): Instructor consent								
		Attributes: Natural Science								
		1248	001	1.0	TBA Department staff					0
<b>BIOL</b>	<b>H380G</b>	<b>Independent Study for Juniors</b>								
		Students may receive credit for approved study and/or work in the laboratory under the supervision of a professor. This work may take the form of a guided series of readings with associated written work, or a supervised laboratory research project with a final write-up and presentation.								
		Prerequisite(s): Instructor consent								
		Attributes: Natural Science								
		1601	001	.5	TBA Department staff					0
<b>BIOL</b>	<b>H380H</b>	<b>Independent Study for Juniors</b>								
		Students may receive credit for approved study and/or work in the laboratory under the supervision of a professor. This work may take the form of a guided series of readings with associated written work, or a supervised laboratory research project with a final write-up and presentation.								
		Prerequisite(s): Instructor consent								
		Attributes: Natural Science								
		1602	001	.5	TBA Department staff					0
<b>BIOL</b>	<b>H380I</b>	<b>Independent Study for Juniors</b>								
		Students may receive credit for approved study and/or work in the laboratory under the supervision of a professor. This work may take the form of a guided series of readings with associated written work, or a supervised laboratory research project with a final write-up and presentation.								
		Prerequisite(s): Instructor consent								
		Attributes: Natural Science								
		1249	001	.5	TBA Department staff					0
		1837	002	.5						0
<b>BIOL</b>	<b>H400B</b>	<b>Senior Research Tutorial at Off-Campus Research Labs</b>								
		Research in an area of cell, or molecular biology is conducted under the supervision of a member of a nearby research laboratory who has volunteered time and space for a Haverford student. All students enrolled in Biology 410 must have designated on-campus and off-campus supervisors.								
		Prerequisite(s): BIOL H300A and B with a grade of 2.0 or above and instructor consent.								
		Attributes: Natural Science								
		1263	001	1.0	Eric Miller					0
<b>BIOL</b>	<b>H400I</b>	<b>Senior Research Tutorial at Off-Campus Research Labs</b>								
		Research in an area of cell, or molecular biology is conducted under the supervision of a member of a nearby research laboratory who has volunteered time and space for a Haverford student. All students enrolled in Biology 410 must have designated on-campus and off-campus supervisors.								
		Prerequisite(s): BIOL H300A and B with a grade of 2.0 or above and instructor consent.								
		Attributes: Natural Science								
		1264	001	.5	Eric Miller					0
<b>BIOL</b>	<b>H403B</b>	<b>Senior Research Tutorial in Protein Aggregation and Disease</b>								
		The laboratory focuses on protein folding and design, with a particular emphasis on the use of proteins in nanoscience. Students will have the opportunity to apply chemical and genetic approaches to the synthesis of proteins for folding and design studies. Such proteins are characterized in the laboratory using biophysical methods (such as circular dichroism spectroscopy, analytical ultracentrifugation, and atomic force microscopy). Functional and structural approaches can also be								

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					applied as necessary to answer specific questions relating to protein science. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Prerequisite(s): Instructor consent Enrollment Limit: 7 Attributes: Natural Science					
		1251	001	1.0	Robert Fairman	F	1:00PM	2:55PM		0
<b>BIOL</b>	<b>H403I</b>	<b>Senior Research Tutorial in Protein Aggregation and Disease</b>								
		The laboratory focuses on protein folding and design, with a particular emphasis on the use of proteins in nanoscience. Students will have the opportunity to apply chemical and genetic approaches to the synthesis of proteins for folding and design studies. Such proteins are characterized in the laboratory using biophysical methods (such as circular dichroism spectroscopy, analytical ultracentrifugation, and atomic force microscopy). Functional and structural approaches can also be applied as necessary to answer specific questions relating to protein science. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Prerequisite(s): Instructor consent Enrollment Limit: 7 Attributes: Natural Science Neuroscience								
		1252	001	.5	Robert Fairman					0
<b>BIOL</b>	<b>H404B</b>	<b>Senior Research Tutorial in Molecular Microbiology</b>								
		Microbes live and grow in environments that include other microbes; how do these microbe-microbe interactions change microbial genomes (through evolution) and change the composition of communities (through ecological dynamics)? Laboratory work will focus on pathogen and commensal Streptococcus species to investigate how cells communicate with each other, how they exchange genes, and how they produce toxins that modify their surrounding community. Bioinformatic approaches will examine evolution within and between bacteria species, while computational approaches will investigate fundamental questions in evolutionary biology. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Prerequisite(s): Instructor consent. Attributes: Natural Science								
		1253	001	1.0	Eric Miller					0
<b>BIOL</b>	<b>H404I</b>	<b>Senior Research Tutorial in Molecular Microbiology</b>								
		Microbes live and grow in environments that include other microbes; how do these microbe-microbe interactions change microbial genomes (through evolution) and change the composition of communities (through ecological dynamics)? Laboratory work will focus on pathogen and commensal Streptococcus species to investigate how cells communicate with each other, how they exchange genes, and how they produce toxins that modify their surrounding community. Bioinformatic approaches will examine evolution within and between bacteria species, while computational approaches will investigate fundamental questions in evolutionary biology. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Prerequisite(s): Instructor consent. Attributes: Natural Science								
		1254	001	.5	Eric Miller					0
<b>BIOL</b>	<b>H405B</b>	<b>Senior Research Tutorial In Marine Natural Product Drug Discovery</b>								
		Marine organisms are important producers of substances useful for treatment of human diseases. Students will integrate ecological and evolutionary theories, cellular physiology, and natural-product chemistry to guide discovery of new compounds with beneficial properties. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Prerequisite(s): Instructor consent Enrollment Limit: 7 Attributes: Natural Science								
		1245	001	1.0	Kristen Whalen					0
<b>BIOL</b>	<b>H405I</b>	<b>Senior Research Tutorial In Marine Natural Product Drug Discovery</b>								



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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld	
					<p>Marine organisms are important producers of substances useful for treatment of human diseases. Students will integrate ecological and evolutionary theories, cellular physiology, and natural-product chemistry to guide discovery of new compounds with beneficial properties. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work.</p> <p>Prerequisite(s): Instructor consent</p> <p>Enrollment Limit: 7</p> <p>Attributes: Natural Science</p>						
		1246	001	.5	Kristen Whalen					0	
<b>BIOL</b>	<b>H406B</b>	<b>Senior Research Tutorial in Developmental Biology and Evolution</b>									
		<p>Students develop their own lab research projects in a sub-field of cell or molecular biology. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work.</p> <p>Prerequisite(s): Instructor consent</p> <p>Enrollment Limit: 7</p> <p>Attributes: Natural Science</p>									
		1255	001	1.0	Rachel Hoang					0	
<b>BIOL</b>	<b>H406I</b>	<b>Senior Research Tutorial in Developmental Biology and Evolution</b>									
		<p>In this course students explore processes of embryonic development and their evolutionary underpinnings. Using primarily insect model systems students design research projects drawing on a variety of techniques including cell and molecular biology, embryology, genetics, genomics and cell imaging. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work.</p> <p>Prerequisite(s): Instructor consent</p> <p>Enrollment Limit: 7</p> <p>Attributes: Natural Science</p>									
		1256	001	.5	Rachel Hoang					0	
<b>BIOL</b>	<b>H407B</b>	<b>Senior Research Tutorial in Bioarchitecture</b>									
		<p>Studies of structure in living systems and applications in nanotechnology. Approaches employed include genetic analysis, biochemistry, biophysics, molecular biology, microscopy and imaging, bioengineering and synthetic biology. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work.</p> <p>Prerequisite(s): Instructor consent</p> <p>Enrollment Limit: 7</p> <p>Attributes: Natural Science</p>									
		1257	001	1.0	Karl A. Johnson	Th	8:30AM	9:30AM		0	
<b>BIOL</b>	<b>H407I</b>	<b>Senior Research Tutorial in Bioarchitecture</b>									
		<p>Studies of structure in living systems and applications in nanotechnology. Approaches employed include genetic analysis, biochemistry, biophysics, molecular biology, microscopy and imaging, bioengineering and synthetic biology. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work.</p> <p>Prerequisite(s): Instructor consent</p> <p>Enrollment Limit: 7</p> <p>Attributes: Natural Science</p>									
		1258	001	.5	Karl A. Johnson	Th	8:30AM	9:30AM		0	
<b>BIOL</b>	<b>H409B</b>	<b>Senior Research Tutorial in Molecular Neurobiology</b>									
		<p>In this course we will use the zebrafish model system to ask "how do genes control behavior?" at multiple complementary levels of analysis: molecular genetics, imaging of neural circuit development and function, and high-throughput behavioral approaches. Students will use established genetic tools and behavioral assays, as well as develop new methods to probe the underlying control of decision-making, learning &amp; memory, motor control, anxiety, and more. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work.</p> <p>Prerequisite(s): Instructor consent</p> <p>Enrollment Limit: 7</p> <p>Attributes: Natural Science Neuroscience</p>									
		1259	001	1.0	Roshan Jain					0	

Haverford College Spring 2024 Course Guide

Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
BIOL	H409I				<b>Senior Research Tutorial in Molecular Neurobiology</b> In this course we will use the zebrafish model system to ask "how do genes control behavior?" at multiple complementary levels of analysis: molecular genetics, imaging of neural circuit development and function, and high-throughput behavioral approaches. Students will use established genetic tools and behavioral assays, as well as develop new methods to probe the underlying control of decision-making, learning & memory, motor control, anxiety, and more. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Prerequisite(s): Instructor consent Enrollment Limit: 7 Attributes: Natural Science Neuroscience 1260 001 .5 Roshan Jain					0
BIOL	H417B				<b>Senior Research Tutorial in Molecular Genomics/Biochemistry</b> This course will focus on how RNA regulation mediated by RNA-binding proteins dictates and responds to cellular physiology at the molecular level. Students will approach this problem using a range of techniques including biochemistry, molecular genetics, systems biology, bioinformatics and mammalian tissue culture. Students will use an established functional genomic dataset to develop new tools and cell-lines in order to uncover the molecular mechanisms of RNA regulation and connect this regulation to physiological events such as amino acid transport in skeletal muscle cells. As a supplement to lab work, students will explore the scientific literature and have opportunities to present their scientific findings in both written and oral format to hone their scientific communication skills. Prerequisite(s): Instructor Consent Enrollment Limit: 7 Attributes: C: Physical and Natural Processes Natural Science 1266 001 1.0 Amy Cooke					0
BIOL	H417I				<b>Senior Research Tutorial in Molecular Genomics/Biochemistry</b> This course will focus on how RNA regulation mediated by RNA-binding proteins dictates and responds to cellular physiology at the molecular level. Students will approach this problem using a range of techniques including biochemistry, molecular genetics, systems biology, bioinformatics and mammalian tissue culture. Students will use an established functional genomic dataset to develop new tools and cell-lines in order to uncover the molecular mechanisms of RNA regulation and connect this regulation to physiological events such as amino acid transport in skeletal muscle cells. As a supplement to lab work, students will explore the scientific literature and have opportunities to present their scientific findings in both written and oral format to hone their scientific communication skills. Prerequisite(s): Instructor Consent Enrollment Limit: 7 Attributes: C: Physical and Natural Processes Natural Science 1267 001 1.0 Amy Cooke					0
BIOL	H418B				<b>Senior Research Tutorial in Evolutionary Genetics</b> In this course we will use wild Mimulus flower species to explore how plants adapt to pollinators through evolution. Approaches include genetic mapping, plant transformation, gene expression analysis, population genetics simulation, pollinator behavior assays, mathematical modeling and 3D printing. Students will have opportunities to learn many generalizable skills, like experiment design, data analysis, and basic molecular lab skills. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Pre-requisite(s): Instructor consent Lottery Preference: None (this is a senior capstone course for Biology Majors) Enrollment Limit: 7 Attributes: C: Physical and Natural Processes Natural Science 1500 001 1.0 Foen Peng					0
BIOL	H418I				<b>Senior Research Tutorial in Evolutionary Genetics</b> In this course we will use wild Mimulus flower species to explore how plants adapt to pollinators through evolution. Approaches include genetic mapping, plant transformation, gene expression analysis, population genetics simulation, pollinator behavior assays, mathematical modeling and 3D printing. Students will have opportunities to learn many					

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					generalizable skills, like experiment design, data analysis, and basic molecular lab skills. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Pre-requisite(s): Instructor consent Lottery Preference: None (this is a senior capstone course for Biology Majors) Enrollment Limit: 7 Attributes: C: Physical and Natural Processes Natural Science					0
<b>BIOL</b>	<b>H450G</b>			.5	<b>Advanced Topics in Biology</b> A seminar course exploring the primary literature in a specialized area of cell and molecular biology. Students will read current and historically important original papers as well as pertinent review articles. Oral presentations and written work provide the opportunity for students to demonstrate their ability to critically evaluate current literature in a sub-field of their major discipline. Prerequisite(s): BIOL H300 and BIOL H301 with a grade of 2.0 or above, or instructor consent Enrollment Limit: 15 Lottery Preference(s): (1) Senior Haverford Biology majors , (2) other seniors, (3) junior Haverford Biology majors Attributes: Natural Science Scientific Computing					0
		1501	001		Foen Peng					
<b>BIOL</b>	<b>H450H</b>			.5	<b>Advanced Topics in Biology</b> A seminar course exploring the primary literature in a specialized area of cell and molecular biology. Students will read current and historically important original papers as well as pertinent review articles. Oral presentations and written work provide the opportunity for students to demonstrate their ability to critically evaluate current literature in a sub-field of their major discipline. Prerequisite(s): BIOL H300 and BIOL H301 with a grade of 2.0 or above, or instructor consent Enrollment Limit: 15 Lottery Preference(s): (1) Senior Haverford Biology majors , (2) other seniors, (3) junior Haverford Biology majors Attributes: Natural Science Scientific Computing					0
		2494	001		Jay Lunden	T	7:30PM	9:55PM		
<b>BIOL</b>	<b>H480B</b>			.5	<b>Independent Study for Seniors</b> Students may receive credit for approved study and/or work in the laboratory under the supervision of a professor. This work may take the form of a guided series of readings with associated written work, or a supervised laboratory research project with a final write-up and presentation. Prerequisite(s): Instructor consent Attributes: Natural Science					0
		1262	001		TBA Department staff	T Th	2:30PM	3:55PM		
<b>BIOL</b>	<b>H480I</b>			.5	<b>Independent Study for Seniors</b> Students may receive credit for approved study and/or work in the laboratory under the supervision of a professor. This work may take the form of a guided series of readings with associated written work, or a supervised laboratory research project with a final write-up and presentation. Prerequisite(s): Instructor consent Attributes: Natural Science					0
		1261	001		TBA Department staff					
<b>BIOL</b>	<b>H499J</b>			.5	<b>Senior Department Studies</b> Participation in the department's seminar series; attendance at seminars by visiting speakers; senior seminar meetings, consisting of presentation and discussion of research plans and research results by students; and class activities related to the senior year in biology. Prerequisite(s): Department consent Attributes: Natural Science					0
		1250	001		Karl A. Johnson	M	2:30PM	4:00PM		
<b>CHEM</b>	<b>H112B</b>				<b>Chemical Dynamics</b>					

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<p>An introduction to chemical thermodynamics, equilibrium, electrochemistry and kinetics. Microscopic properties are used to develop basic chemical concepts of energy, enthalpy, entropy, and the Gibbs Energy, and their applications to thermochemistry, equilibria, and electrochemistry. Chemical kinetics, reaction mechanisms, and applications to chemical problems are also discussed. Three lectures and one lab period per week required. Prerequisite(s): Completion of, or prior placement into CHEM 111, or recommendation of CHEM 113 instructor.</p> <p><i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i></p>										
	1340	001	1.0	Casey H Londergan	M W F	8:30AM	9:25AM			0
	1341	002	1.0	Jianjun Wang	M W F	9:30AM	10:25AM			0
	1623	003	1.0	Jianjun Wang	M W F	10:30AM	11:25AM			0
	2414	004	1.0	Domhnall OShaughnessy	M W F	11:30AM	12:25PM			0
	1371	00A	.0	Kelly Ginion Matz	T	1:00PM	3:55PM			0
	1372	00B	.0	Kelly Ginion Matz	W	1:00PM	3:55PM			0
	1373	00C	.0	Kelly Ginion Matz	Th	1:00PM	3:55PM			0
	1374	00D	.0	Kelly Ginion Matz	F	1:00PM	3:55PM			0
<b>CHEM</b>	<b>H114B</b>	<b>Intensive: Chemical Dynamics</b>								
<p>An introduction to chemical thermodynamics, equilibrium, electrochemistry and kinetics. Microscopic properties are used to develop basic chemical concepts of energy, enthalpy, entropy, and the Gibbs Energy, and their applications to thermochemistry, equilibria, and electrochemistry. Chemical kinetics, reaction mechanisms, and applications to chemical problems are also discussed. This is a more intensive offering of CHEM 112 designed for students with little or no experience in chemistry.</p> <p>Prerequisite(s): CHEM 113 or recommendation of CHEM 111 instructor</p> <p><i>Attributes: Biochemistry and Molecular Biology C: Physical and Natural Processes Natural Science Quantitative</i></p>										
	1351	001	1.0	Alexander Norquist	M T W Th F	9:00AM	9:50AM			0
	1352	00A	.0	Kelly Ginion Matz	T	1:00PM	3:55PM			0
	1353	00B	.0	Kelly Ginion Matz	W	1:00PM	3:55PM			0
	1354	00C	.0	Kelly Ginion Matz	Th	1:00PM	3:55PM			0
	1355	00D	.0	Kelly Ginion Matz	F	1:00PM	3:55PM			0
<b>CHEM</b>	<b>H225B</b>	<b>Organic Reactions and Synthesis</b>								
<p>This course will explore complex syntheses in mechanistic details. We will employ prior knowledge in more advanced topics such as chemical and physical properties of dienes, aromatics, carbonyl compounds, carboxylic acids and derivatives.</p> <p>Prerequisite: CHEM H222</p> <p><i>Attributes: Biochemistry and Molecular Biology C: Physical and Natural Processes Natural Science</i></p>										
	1342	001	1.0	Leah Seebald	M W F	9:30AM	10:25AM			0
	1496	002	1.0	Leah Seebald	M W F	10:30AM	11:25AM			0
	2415	003	1.0	Theresa D. Gaines	M W F	11:30AM	12:25PM			0
	1343	00A	.0	Alberto Lopez	M	1:00PM	3:55PM			0
	1344	00B	.0	Alberto Lopez	T	1:00PM	3:55PM			0
	1345	00C	.0	Alberto Lopez	W	1:00PM	3:55PM			0
	1493	00D	.0	Alberto Lopez	Th	1:00PM	3:55PM			0
<b>CHEM</b>	<b>H261J</b>	<b>Research Tutorial in Physical Chemistry</b>								
<p>One-half credit course for the year designed for students interested in the chemistry research experience in physical chemistry, condensed phase chemical physics, and biophysical chemistry, with emphasis on spectroscopic studies of peptides and proteins. (Not open to seniors.)</p> <p>Prerequisite(s): Instructor consent: interested students should discuss possible enrollment with the instructor.</p> <p><i>Attributes: C: Physical and Natural Processes Natural Science</i></p>										
	1356	001	.5	Casey H Londergan						0
	2416	002	.5	Samuel Shepard						0

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CHEM	H262J				<b>Research Tutorial in Theoretical Chemistry</b> One-half credit course for the year designed for students interested in the chemistry research experience in theoretical physical chemistry, with emphasis on methods for prediction of optical, electronic, and mechanical properties of semiconductor nanostructures. (Not open to seniors.) Prerequisite(s): Instructor consent <i>Attributes: C: Physical and Natural Processes Natural Science</i> 1375 001 .5 Clyde Daly					0
CHEM	H263J				<b>Research Tutorial in Organic Chemistry</b> One-half credit course for the year designed for students interested in the chemistry research experience in synthetic organic chemistry and physical-organic chemistry. Topics include total synthesis of biologically significant molecules, new methods of enantioselective synthesis, and the study of organic reaction mechanisms. (Not open to seniors.) Prerequisite(s): Instructor consent <i>Attributes: C: Physical and Natural Processes Natural Science</i> 1357 001 .5 Theresa D. Gaines					0
CHEM	H265J				<b>Research Tutorial in Bioinorganic Chemistry</b> One-half credit course for the year designed for students interested in the chemistry research experience in spectroscopic and kinetic studies of metalloproteins and inorganic coordination compounds. (Not open to seniors.) This course is graded universal P/F in which no numerical grade is assigned. Prerequisite(s): Instructor consent (requires prior discussion of, and agreement on, type of research to be pursued; this assures that necessary resources will be available and that the student's knowledge of chemistry is sufficient to safely and effectively carry out the research). Interested students should reach out to the instructor to discuss potential enrollment <i>Attributes: C: Physical and Natural Processes Natural Science</i> 1358 001 .5 Robert C. Scarrow					0
CHEM	H267J				<b>Research Tutorial in Biological Chemistry</b> One-half credit course for the year designed for students interested in the chemistry research experience in natural product biosynthesis. (Not open to seniors.) This course is graded universal P/F in which no numerical grade is assigned. Prerequisite(s): Instructor consent 1376 001 .5 Louise Charkoudian 1624 002 .5 Leah Seebald					0 0
CHEM	H268I				<b>Research Tutorial in Environmental Chemistry</b> One-half credit course for the semester designed for students interested in the chemistry research experience in the field of biogeochemistry, a multidisciplinary approach focused at understanding the chemical composition and processes of Earth's biosphere. (Not open to seniors.) Prerequisite(s): Instructor consent <i>Attributes: C: Physical and Natural Processes Natural Science</i> 1564 001 .5 Helen K. White					0
CHEM	H268J				<b>Research Tutorial in Environmental Chemistry</b> One-half credit course for the year designed for students interested in the chemistry research experience in the field of biogeochemistry, a multidisciplinary approach focused at understanding the chemical composition and processes of Earth's biosphere. (Not open to seniors.) Prerequisite(s): Instructor consent <i>Attributes: C: Physical and Natural Processes Natural Science</i> 1359 001 .5 Helen K. White					0
CHEM	H269J				<b>Research Tutorial in Materials Science</b> One-half credit course for the year designed for students interested in the chemistry research experience in the field of biogeochemistry, a multidisciplinary approach focused at understanding the chemical composition and processes of Earth's biosphere. (Not open to seniors.) Prerequisite(s): Instructor consent <i>Attributes: C: Physical and Natural Processes Natural Science</i> 1360 001 .5 Alexander Norquist					0

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CHEM	H302B				<b>Lab in Chemical Structure and Reactivity</b>					
Two lectures and two laboratory periods. An introduction to the methods of research in chemistry. Inorganic, organic, physical chemistry, and biochemical concepts are integrated in a broad laboratory study of structure and its relationship to chemical reactivity. Physical methods are used in studies of organic, inorganic, and biochemical reactions. Chemical synthesis and the modern methods of instrumental analytical chemistry are particularly stressed. Instruments such as lasers, the 500 MHz NMR spectrometer, and the mass spectrometer combined with either gas or liquid chromatography are used by students, with faculty supervision.										
Prerequisite(s): CHEM H225 and either CHEM H304, or CHEM H305 (which may be taken concurrently)										
Attributes: <i>Biochemistry and Molecular Biology</i> C: <i>Physical and Natural Processes</i> Natural Science										
	1346	001	1.0		Theresa D. Gaines	T	11:30AM	12:25PM		0
	1347	00A	.0		Theresa D. Gaines	T Th	1:00PM	3:55PM		0
CHEM	H303B				<b>Laboratory in Biochemical Research</b>					
An introduction to the laboratory concepts and techniques at the chemistry-biology interface including: molecular cloning, protein purification, biophysical spectroscopy, molecular modeling, and biochemical assays.										
Crosslisted: Chemistry, Biology										
Prerequisite(s): CHEM H225										
Enrollment Limit: 15										
Lottery Preference(s): Biochemistry concentrators										
Attributes: C: <i>Physical and Natural Processes</i> Natural Science										
	1489	001	1.0		Louise Charkoudian	T Th	11:30AM	12:25PM		0
	1490	00A	.0		Louise Charkoudian	T Th	1:00PM	3:55PM		0
CHEM	H305B				<b>Quantum Chemistry</b>					
Two lectures. The quantum theory of atoms and molecules as applied to problems in molecular structure, computational chemistry, and basic spectroscopic techniques. Emphasis on computer-based solutions and visualization.										
Prerequisite(s): MATH 121 or 216, or instructor consent										
Attributes: <i>Biochemistry and Molecular Biology</i> C: <i>Physical and Natural Processes</i> Natural Science Quantitative										
	1348	001	1.0		Samuel Shepard	T Th	8:30AM	9:55AM		0
CHEM	H320G				<b>Concepts of Inorganic Chemistry</b>					
Three lectures for one-half semester (one-half course credit). An introduction to structure and reactivity of inorganic molecules and materials. Topics include: theories of chemical bonding, symmetries of molecules and solid state materials, acid-base, oxidation-reduction reactions, and structures and nomenclature of coordination complexes.										
Prerequisite(s): CHEM H225										
Attributes: C: <i>Physical and Natural Processes</i> Natural Science										
	1349	001	.5		Samuel Shepard	M W F	9:30AM	10:25AM		0
CHEM	H351H				<b>Bioinorganic Chemistry</b>					
Three lectures for one-half semester (one-half course credit). Biological cells require metals such as zinc, iron, copper, manganese, and molybdenum; metal-binding abilities of various functional groups within proteins and nucleic acids, metal-based reactivity involved in reaction mechanisms of specific metalloenzymes, and medically-relevant topics such as bioaccumulation and storage of metal ions, the toxicity of heavy metals, and use of metal-containing drugs in treating disease will be discussed.										
Prerequisite(s): Chem H222 and either CHEM H320 or BIOLH201										
Attributes: <i>Biochemistry and Molecular Biology</i> C: <i>Physical and Natural Processes</i> Natural Science										
	1350	001	.5		Domhnall OShaughnessy	M W F	9:30AM	10:25AM		0
CHEM	H352G				<b>Topics in Biophysical Chemistry: Biomolecular Structural Techniques</b>					
A techniques-based and literature-driven perspective on molecular and physical processes inside cells, including basic bioenergetics and homeostasis, protein folding and energy transfer, dynamic structural organization and non-organelle colocalization (including intracellular liquid-liquid phase transitions), and multiscale simulation techniques.										
Prerequisite(s): Chem H304 or equivalent (depending on material), or instructor consent.										
Attributes: <i>Biochemistry and Molecular Biology</i> C: <i>Physical and Natural Processes</i> Natural Science										
	2850	001	.5		Jianjun Wang	M W	2:30PM	3:55PM		0

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CHEM	H352H				<b>Topics in Biophysical Chemistry: X-ray Crystallography</b> The specific content of the course varies, depending on faculty and student interests. The course will focus on biophysical chemistry and related topics. Prerequisite(s): Chem H304 or equivalent (depending on material), or instructor consent. <i>Attributes: Biochemistry and Molecular Biology C: Physical and Natural Processes Natural Science</i>					
	2851	001	.5		Margarita Tararina	T	7:00PM	9:55PM		0
CHEM	H359H				<b>Topics in Inorganic Chemistry</b> The specific content of the course varies, depending on faculty and student interests. The course will focus on a specific topic within the realm of Inorganic Chemistry; example topics include electrochemical technology, organometallic catalysis, main group chemistry, and f-block elements. The Spring 2022 topic is organometallic catalysis, and the course will introduce fundamental concepts in organometallic chemistry including different types of organometallic reactions, catalyst development and applications in organic synthesis. Prerequisite(s): CHEM 225 and CHEM 320 <i>Attributes: C: Physical and Natural Processes Natural Science</i>					
	1484	001	.5		Mark A. Hilfiker	M	7:00PM	9:55PM		0
CHEM	H361B				<b>Senior Research Tutorial in Physical Chemistry</b> Directed research in physical chemistry, condensed phase chemical physics, and biophysical chemistry, with emphasis on spectroscopic studies of site-specific environmental and conformational dynamics in peptides and proteins. Prerequisite(s): Instructor consent <i>Attributes: Natural Science</i>					
	1361	001	1.0		Casey H Londergan					0
CHEM	H362B				<b>Senior Research Tutorial in Theoretical Chemistry</b> Directed research in computational and theoretical physical chemistry, with emphasis on development and application of methods for prediction of optical, electronic, and mechanical properties of organic and inorganic semiconductor nanostructures. Prerequisite(s): Instructor consent <i>Attributes: Natural Science</i>					
	1377	001	1.0		Clyde Daly					0
CHEM	H363B				<b>Senior Research Tutorial in Organic Chemistry</b> Directed research in synthetic organic chemistry, and physical-organic chemistry. Topics include total synthesis of biologically significant molecules, new methods of enantioselective synthesis and the study of organic reaction mechanisms. Prerequisite(s): Instructor consent <i>Attributes: Natural Science</i>					
	1362	001	1.0		Theresa D. Gaines					0
CHEM	H365B				<b>Senior Research Tutorial in Bioinorganic Chemistry</b> Directed research in bioinorganic and coordination chemistry. Topics include synthesis and spectroscopic and kinetic studies of inorganic coordination compounds that can aid in understanding the chemistry of metalloproteins. Prerequisite(s): Instructor consent <i>Attributes: Natural Science</i>					
	1363	001	1.0		Robert C. Scarrow					0
CHEM	H367B				<b>Senior Research Tutorial in Biological Chemistry</b> Directed research in organic biological chemistry. Topics include natural product isolation and characterization, investigations into the role of protein-protein interactions in antibiotic biosynthesis, and the elucidation of biosynthetic pathways. Prerequisite(s): Instructor consent <i>Attributes: Natural Science</i>					
	1364	001	1.0		Louise Charkoudian					0
	1627	002	1.0		Leah Seebald					0
CHEM	H368B				<b>Senior Research Tutorial in Environmental Chemistry</b>					

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					Directed research in environmental chemistry, centered in the field of biogeochemistry, a multidisciplinary approach focused at understanding the chemical composition and processes of Earth's biosphere. Prerequisite(s): Instructor consent Attributes: Natural Science						
		1365	001	1.0	Helen K. White					0	
<b>CHEM</b>	<b>H369B</b>	<b>Senior Research Tutorial in Materials Science</b>									
		Directed research in inorganic materials chemistry. Topics include synthesis and structural characterization of organically templated microporous materials. Prerequisite(s): Instructor consent Attributes: C: Physical and Natural Processes Natural Science									
		1366	001	1.0	Helen K. White					0	
<b>CHEM</b>	<b>H380B</b>	<b>Independent Research in Chemistry</b>									
		This course is designed for chemistry majors who want to pursue a non-experimental research experience. Students will work closely with a faculty member on a topic in the current chemical literature to prepare a thesis paper. Prerequisite(s): CHEM 221b and CHEM 304a Attributes: Natural Science									
		1474	001	1.0	TBA Department staff					0	
<b>CHEM</b>	<b>H391J</b>	<b>Chemistry Departmental Seminar</b>									
		Presentation and discussion of current research topics in the various areas of chemistry by faculty, students and outside speakers. One meeting per week throughout the year (one-half course credit). This course is graded universal P/F in which no numerical grade is assigned. Prerequisite(s): concurrent enrollment in a research tutorial course (CHEM H361 to CHEM H369, or equivalent).									
		1367	001	.5	Louise Charkoudian	F	2:30PM	3:55PM		0	
<b>CHEM</b>	<b>H480B</b>	<b>Independent Study</b>									
		Independent Study Attributes: Natural Science									
		1368	001	1.0	TBA Department staff					0	
		1369	002	1.0	TBA Department staff					0	
<b>CHEM</b>	<b>H480H</b>	<b>Independent Study</b>									
		Independent study Attributes: Natural Science									
		1370	001	.5	TBA Department staff					0	
<b>CHEM</b>	<b>H480I</b>	<b>Independent Study</b>									
		Enrollment Limit: 5 Attributes: Natural Science									
		1570	001	.5	TBA Department staff					0	
<b>CMSC</b>	<b>H104B</b>	<b>Topics in Intro Programming: Physics and Astronomy</b>									
		Topics in Introductory Programming is designed to give a general introduction to programming as related to data analysis across many fields. Students will be introduced to standard introductory programming imperative and object oriented techniques as well as data structures necessary to create efficient and understandable algorithmic solutions to problems. This course satisfies the prerequisite for CMSC 107. Antirequisite(s): Students who have taken a semester of college-level computer science (e.g., CMSC105) or placed into CMSC107 are ineligible to take this course. It is intended for students with little or no background in computer programming. This course is equivalent to CMSC 104. Enrollment Limit: 24 Lottery Preferences: first years, then sophomores, then all other students. Attributes: C: Physical and Natural Processes Natural Science Quantitative									
		1487	001	.0	Andrea N. Lommen	M W	1:00PM	2:25PM		0	
		1485	00A	1.0	TBA Department staff					0	



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		1486	00B	1.0	TBA Department staff					0
<b>CMSC</b>	<b>H105B</b>	<b>Introduction to Computer Science</b>								
Introduction to the intellectual and software tools used to create and study algorithms: formal and informal problem specification; problem solving and algorithm design techniques; reliability, formal verification, testing, and peer code review techniques; program clarity, complexity and efficiency; functional and imperative paradigms; associated programming skills. Students must attend a one-hour weekly lab. Labs will be sectioned by course professor.										
Prerequisite(s): May not be taken by students who have taken any one of HC: CMSC 104, CMSC 107; BMC: CMSC 110, except by instructor consent										
Enrollment Limit: 32										
Lottery Preference(s): 24 spaces reserved for incoming freshmen, then:										
1) Sophomores										
2) Senior Scientific Computing concentrators										
3) Junior CS minors, Junior Scientific Computing concentrators, and Junior CS concentrators										
4) Others										
<i>Attributes: C: Physical and Natural Processes    Natural Science    Quantitative</i>										
		2894	001	.0	Christopher Braun	W F	2:30PM	3:55PM	HLS204	0
		2895	00A	1.0	Suzanne Lindell	F	12:30PM	1:25PM	HLS110	0
		2896	00B	1.0	Suzanne Lindell	F	1:30PM	2:25PM	HLS110	0
<b>CMSC</b>	<b>H106B</b>	<b>Introduction to Data Structures</b>								
An introduction to the fundamental data structures of computer science: strings, lists, stacks, queues, trees, BSTs, graphs, sets and their accompanying algorithms. Principles of algorithmic analysis and object reasoning and design will be introduced using mathematical techniques for the notions of both complexity and correctness. More practical issues, such as memory management and hashing, will also be covered. The programming language used to illustrate and implement these concepts will be able to support functional, imperative and object-oriented approaches. Emphasis will be placed on recursive thinking and its connection to iteration. Students must attend a one-hour weekly lab. Labs will be sectioned by course professor.										
Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent; may not be taken by students who have taken any one of HC: CMSC 104, CMSC 107; BMC: CMSC 206, CMSC 151, except by instructor consent										
Enrollment Limit: 32										
Lottery Preference(s): Sophomores then first-years, then Scientific Computing concentrators, then Computer Science minors and concentrators										
<i>Attributes: C: Physical and Natural Processes    Natural Science    Quantitative</i>										
		1179	001	.0	Christopher Braun	M W	11:30AM	12:55PM		0
		1176	00A	1.0	Christopher Braun	F	9:30AM	10:25AM		0
		1177	00B	1.0	Christopher Braun	F	10:30AM	11:25AM		0
		1178	00C	1.0	Christopher Braun	F	11:30AM	12:25PM		0
<b>CMSC</b>	<b>H222B</b>	<b>Scientific Computing: Continuous Systems</b>								
A survey of major algorithms in modern scientific computing, with a focus on continuous problems. Topics include numerical differentiation and integration, numerical linear algebra, root-finding, optimization, Monte Carlo methods, and discretization of differential equations. Basic ideas of error analysis are presented. Regular computer work in class introduces students to the software package Matlab, in which the algorithms are implemented and applied to various problems in the natural and social sciences.										
Crosslisted: Mathematics, Computer Science										
Prerequisite(s): Math 121										
Enrollment Limit: 25										
<i>Attributes: C: Physical and Natural Processes    Natural Science    Quantitative    Scientific Computing</i>										
		2461	001	1.0	Rebecca Everett	M W	1:00PM	2:25PM		0
<b>CMSC</b>	<b>H231B</b>	<b>Discrete Mathematics</b>								
An introduction to discrete mathematics with strong applications to computer science. Topics include set theory, functions and relations, propositional logic, proof techniques, difference equations, graphs, and trees.										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<p>Co-requisite(s): CMSC 105, 107, or B110 or B113 or instructor consent                      Enrollment Limit: 24                      Lottery Preference(s): 8 spaces reserved for incoming first-year students, then:                      1) Junior CS majors                      2) Sophomores                      3) Senior CS minors                      4) Junior CS minors                      5) Senior CS concentrators                      6) Junior CS concentrators                      7) Others                      Attributes: C: Physical and Natural Processes    Natural Science    Quantitative</p>										
		1509	001	.0	Yuxin Zhou					0
		1510	00A	1.0						0
		1511	00B	1.0						0
		1512	00C	1.0						0
<b>CMSC</b>	<b>H235B</b>	<b>Information and Coding Theory</b>								
<p>This course covers the mathematical theory of the transmission (sending or storing) of information. Included will be encoding and decoding techniques, both for the purposes of data compression and for the detection and correction of errors.                      Prerequisite(s): CMSC 231 or equivalent background in mathematics                      Enrollment Limit: 24                      Attributes: C: Physical and Natural Processes</p>										
		2836	001	1.0	Steven Lindell	M W	2:30PM	3:55PM		0
		2837	00A	.0	Steven Lindell	F	3:00PM	3:55PM		0
<b>CMSC</b>	<b>H304B</b>	<b>Computational Physics</b>								
<p>An introduction to the methods and problems of computational physics, including matrix methods, ordinary differential equations, integration, eigensystems, Monte Carlo techniques, Fourier analysis, and iterative methods. Course will include a substantial independent project.                      Crosslisted: Physics, Astronomy, Computer Science                      Prerequisite(s): PHYS 213 or BMC PHYS 306 or instructor consent                      Enrollment Limit: 18                      Lottery preferences as follows:                      Senior Physics, Astrophysics and astronomy majors                      Senior Scientific Computing Concentrators                      Junior majors                      Junior Scientific Computing Concentrators                      Other Seniors                      Sophomores                      Freshmen                      Attributes: C: Physical and Natural Processes    Natural Science</p>										
		1313	001	1.0	Daniel Grin	T Th	10:00AM	11:25AM		0
<b>CMSC</b>	<b>H345B</b>	<b>Theory of Computation</b>								
<p>Introduction to the mathematical foundations of computer science: finite state automata, formal languages and grammars, Turing machines, computability, unsolvability, and computational complexity. Attendance at the weekly discussion section is required.                      Crosslisted: Computer Science, Mathematics                      Prerequisite(s): (CMSC 106, 107, 151, or 206) and CMSC 231, and junior or senior standing, or instructor consent                      Enrollment Limit: 24                      Lottery Preference(s):                      1) Senior CS majors                      2) Senior CS minors</p>										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
3) Junior CS majors and senior CS concentrators										
4) Sophomores and first-year students										
5) Others										
<i>Attributes: C: Physical and Natural Processes Natural Science</i>										
	1187	001	.0	Yuxin Zhou		M W	10:00AM	11:25AM		0
	1186	00A	1.0	Yuxin Zhou						0
<b>CMSC</b>	<b>H350B</b>	<b>Compiler Design</b>								
An introduction to compiler design, including the tools and software design techniques required for compiler construction. Students construct a working compiler using appropriate tools and techniques in a semester-long laboratory project. Lectures combine practical topics to support lab work with more abstract discussions of software design and advanced compilation techniques.										
Prerequisite(s): CMSC H251 or instructor consent; concurrent enrollment in this and two other CMSC lab courses requires instructor consent										
Enrollment Limit: 24										
Lottery Preference(s): 1. CS senior and junior majors 2. Sophomores and first-year students 3. Senior CS minors 4. Junior CS minors										
<i>Attributes: Natural Science</i>										
	2847	001	.0	David Wonnacott		T	2:30PM	4:00PM		0
	2848	00A	1.0	David Wonnacott		W	12:30PM	1:25PM		0
	2849	00B	1.0	David Wonnacott		W	1:30PM	2:25PM		0
<b>CMSC</b>	<b>H360B</b>	<b>Machine Learning</b>								
To explore both classical and modern approaches, with an emphasis on theoretical understanding. There will be a significant math component (statistics and probability in particular), as well as a substantial implementation component (as opposed to using high-level libraries). However, during the last part of the course we will use a few modern libraries such as TensorFlow and Keras. By the end of this course, students should be able to form a hypothesis about a dataset of interest, use a variety of methods and approaches to test your hypothesis, and be able to interpret the results to form a meaningful conclusion. We will focus on real-world, publicly available datasets, not generating new data.										
Prerequisite(s): CMSC 260, or CMSC 325, or instructor consent										
Enrollment Limit: 24										
Lottery Preference(s): Seniors CS majors; Junior CS majors; CS minors; Scientific Computing concentrators; Seniors; Juniors; Sophomores										
<i>Attributes: C: Physical and Natural Processes Data Science Natural Science Quantitative Scientific Computing</i>										
	1506	001	.0	Sara Mathieson		T	11:30AM	1:55PM		0
	1507	00A	1.0	Sara Mathieson		T	1:30PM	2:25PM		0
	1508	00B	1.0	Sara Mathieson		T	2:30PM	3:25PM		0
<b>CMSC</b>	<b>H399B</b>	<b>Senior Thesis</b>								
Spring seminar for seniors writing theses, dealing with the oral and written exposition of advanced material. Unlike the Fall seminar, this course is optional and can count as a 300-level elective for the major.										
Prerequisite(s): Senior standing										
<i>Attributes: Natural Science</i>										
	1190	001	1.0	Steven Lindell		F	1:30PM	2:25PM		0
<b>CMSC</b>	<b>H480B</b>	<b>Independent Study</b>								
Independent study, supervised by a member of the Computer Science department. Prerequisite(s): Instructor consent										
	1191	001	1.0							0
	1513	002	1.0							0
	1514	003	1.0							0
	1515	004	1.0							0
	1516	005	1.0							0
	1517	006	1.0							0

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
CMSC	H480I	<b>Independent Study</b>								
		Independent study, supervised by a member of the Computer Science department. Prerequisite(s): Instructor consent								
		1192	001	.5						
		1866	002	.5						0
CNSE	H202B	<b>Advanced Chinese: History and Historiography</b>								
		The courses in the "Advanced Chinese" series are the culmination of language training in the Bi-college Chinese program. Students can repeat such courses in the series with different topics. Students are expected to be proactive and independent learners to advance their Chinese competency in speaking, listening, reading, and writing under close supervision of the instructor.								
		Prerequisite(s): Third year Chinese or instructor consent								
		Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cultures Humanities								
		1389	001	1.0	Shizhe Huang	T Th	10:00AM	11:25AM		0
COML	H222B	<b>Rethinking Latin America in Contemporary Narrative</b>								
		An examination of literary texts, cultural production and practices that address issues of coloniality, subalternity, gender violence, forced disappearance and displacement, among others. This course explores how the concept of "nation" has marginalised different identities (Indigenous people, women, LGBTQ+), how they have become targets of violence, and what are the connections between coloniality, racism, and forced disappearance as a current practice. However, this course highlights community practices of resilience and agency. For example: radical change from Indigeneity literary works to decolonial Indigenous movements, from genocide to testimonials and Commission of Truth, from forced disappearance to national search brigades and caravans of mothers looking for their beloved ones. This course is conducted in Spanish.								
		Crosslisted: Spanish, Comparative Literature.								
		Prerequisite(s): SPAN 102, placement, or instructor consent								
		Enrollment Limit: 25								
		Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities								
		2858	001	1.0	Aurelia Gómez De Unamuno	T Th	10:00AM	11:25AM		0
COML	H253B	<b>Hispanic Caribbean Migration Tales</b>								
		Students will learn about different Hispanic Caribbean migratory experiences through a selection of short stories, novels, memoirs, and essays, as well as in film, and performative production. The tales featured in this course will consider how gender and sexuality shape migration experiences. The texts that will be analyzed are mostly originally written in Spanish.								
		Crosslisted: Spanish, Comparative Literature								
		Prerequisite(s): SPAN H102 or 200-300 level in the placement test								
		Enrollment Limit: 25								
		Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, Iberian, and Latinx Studies								
		2571	001	1.0	Emily Sterk	M W	11:30AM	12:55PM		0
COML	H257B	<b>Antigone's Echoes: Activism and the Law from Ancient Greece to today</b>								
		Where should the law come from, the individual or the state? How can you protest an unjust system, and how can an ancient story help you do it? Who owns a "Classic"? These are just a few questions that Sophocles' Antigone has raised for philosophers and playwrights from the Enlightenment to today. We'll read several versions of the Antigone myth and explore this character's enduring relevance to theories of gender, performance, world literature, and politics.								
		Crosslisted: COML, PEAC.								
		Enrollment Limit: 25.00								
		Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Humanities Peace, Justice and Human Rights								
		2864	001	1.0	Ryan Warwick	T	7:30PM	9:55PM		0
COML	H312B	<b>Adv Topics French Lit: Machines à penser de Descartes à nous-mêmes</b>								
		Have you ever wondered whether machines can think? This course explores the question by uncovering the contested origins of mechanical culture in early-modern France. We will study the inventions of calculating and thinking machines by Descartes and Pascal, as well as their appropriations and critiques by Madame de Lafayette and Molière. We will then use our findings to reassess the significance of subsequent inventions such as artificial intelligence, cognitive science,								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
					machine learning, and chatbots. Readings (as well as those mentioned above) may include works by Epicurus, Euclid, Lucy Hutchinson, La Fontaine, Madame du Châtelet, Diderot, La Mettrie, Alan Turing, Grace Hopper, and OpenAI. . In French. Crosslisted: FREN and COML Prerequisite(s): At least one 200-level course Attributes: A: <i>Meaning, Interpretation (Texts)</i> Humanities					
		1163	001	1.0	David Sedley	F	1:30PM	3:55PM		0
COML	H321B				<b>Topics Germ Lit: 1919 - 2019</b> Crosslisted: German, Comparative Literature Enrollment Limit: 20 Attributes: A: <i>Meaning, Interpretation (Texts)</i> Humanities					
		1381	001	1.0	Imke Brust	M W	11:30AM	12:55PM		0
COML	H337B				<b>Anthropology of Writing and the Politics/Poetics of Intertextuality</b> An interdisciplinary exploration of writing as a social institution, personal ritual, cultural artifact and a technology, this course theorizes the interface between tradition and innovation as a way to think about intertextuality using Jewish American fiction as a case study Crosslisted: COML Attributes: B: <i>Analysis of the Social World</i> Social Science					
		2559	001	1.0	Zolani Noonan-Ngwane	F	1:30PM	3:55PM		0
COML	H399B				<b>Senior Seminar</b> Oral and written presentations of work in progress, culminating in a senior thesis and comprehensive oral examination. Prerequisite(s): students must be senior majors in Comparative Literature Attributes: Humanities					
		2546	001	1.0	Maud B McInerney					0
CSTS	H121B				<b>Roman Revolutions</b> An introduction to what it meant to be a Roman by exploration what made the Romans revolutionary (in politics, military, philosophy, literature, art, and more) in their time and of lasting influence thereafter. The course culminates in a three-week role playing game, in which you will embody a particular Roman persona during a particular socio-political flashpoint in 63 BCE. All readings will be in English Enrollment Limit: 45 Attributes: A: <i>Meaning, Interpretation (Texts)</i> B: <i>Analysis of the Social World</i> Classics Humanities					
		2420	001	1.0	Bret Mulligan	M W	1:00PM	2:25PM		0
CSTS	H231B				<b>Queer Road-Trip Films, Ancient and Modern</b> The queer road-trip film has been gaining popularity as an outlet for exploring non-normative sexuality further marginalized on the road. We will examine the phenomenon of the queer road-trip narrative, approaching it from an unlikely starting point: the Ancient Mediterranean novels Satyrca and Leucippe and Clitophon. Both of these ancient novels dramatize road trips and travel narratives involving different combinations of queer characters; we'll pair them with a curated selection of contemporary queer road-trip films. Crosslisted: GSST,VIST. Enrollment Limit: 25.00 Attributes: A: <i>Meaning, Interpretation (Texts)</i> Gender and Sexuality Studies Humanities Visual Studies					
		2860	001	1.0	Robert S Santucci	F	1:30PM	3:55PM		0
CSTS	H257B				<b>Antigone's Echoes: Activism and the Law from Ancient Greece to today</b> Where should the law come from, the individual or the state? How can you protest an unjust system, and how can an ancient story help you do it? Who owns a "Classic"? These are just a few questions that Sophocles' Antigone has raised for philosophers and playwrights from the Enlightenment to today. We'll read several versions of the Antigone myth and explore this character's enduring relevance to theories of gender, performance, world literature, and politics. Crosslisted: COML,PEAC. Enrollment Limit: 25.00					

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					<i>Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Humanities Peace, Justice and Human Rights</i>					
		2863	001	1.0	Ryan Warwick	T	7:30PM	9:55PM		0
<b>CSTS</b>	<b>H460I</b>	<b>Teaching Assistant</b>								
		<i>Attributes: Humanities</i>								
		1560	001	.5	Bret Mulligan					0
<b>EALC</b>	<b>H126B</b>	<b>Global Asian Diasporas</b>								
		This course examines the modern histories, politics, and cultures of Asian migration and diasporas, with a focus on American contexts. Between 1840 and 1940, Asian migrants—numbering in the tens of millions—set out in search of livelihoods and fortunes, especially in Southeast Asia and the Americas. We will look at how patterns of Asian migrations were propelled by and shaped world-historical dynamics including colonialism, globalization, racial formation, and the most contentious wars of the twentieth century.								
		Crosslisted: EALC.								
		Enrollment Limit: 25.00								
		<i>Attributes: Asian American Studies B: Analysis of the Social World Social Science</i>								
		2610	001	1.0	Ruodi Duan	M W	11:30AM	12:55PM		0
<b>EALC</b>	<b>H132B</b>	<b>Japanese Civilization</b>								
		A broad chronological survey of Japanese culture and society from the earliest times to the present, with special reference to such topics as belief, family, language, the arts, and sociopolitical organization. Readings include primary sources in English translation and secondary studies.								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Visual Studies</i>								
		2483	001	1.0	Hank Glassman	M W	1:00PM	2:25PM		0
<b>EALC</b>	<b>H203B</b>	<b>Ukiyo-e: The Art of Japanese Prints</b>								
		This course explores the evolution of Japanese woodblock prints, artists, collectors, and exhibition practices from the 17th century through the present day.								
		Crosslisted: East Asian Languages & Cultures, Visual Studies								
		Enrollment Limit: 15 Lottery Preference:: Major and minors in Eastern Languages & Cultures then Minors in Visual Studies.								
		<i>Attributes: Humanities Visual Studies</i>								
		1637	001	1.0	Erin Schoneveld	T Th	1:00PM	2:25PM	LUT230	0
<b>EALC</b>	<b>H239B</b>	<b>Visions of Justice: Intersectionality and Legal Consciousness in Asian Cinema</b>								
		This course aims to deepen our understanding of Asian law and society through independent films by Asian directors. We will analyze films that offer a window into individual and collective struggles for gender justice, freedom of expression, and environmental justice.								
		Crosslisted: Visual Studies; Anthropology; East Asian Languages & Cultures; Peace, Justice and Human Rights								
		Enrollment Limit: 15								
		Lottery Preference(s): Equal preference to Visual Studies minors, Anthropology majors/minors, Peace, Justice and Human Rights concentrators, and East Asian Languages & Cultures majors/minors								
		<i>Attributes: A: Meaning, Interpretation (Texts) Peace, Justice and Human Rights Social Science Visual Studies A: Meaning, Interpretation (Texts) Peace, Justice and Human Rights</i>								
		2433	001	1.0	Emily Hong	Th	10:00AM	11:25AM	VCAM102	0
		2433	001	1.0	Emily Hong	T	10:00AM	11:25AM	VCAM001	0
<b>EALC</b>	<b>H305B</b>	<b>Art and the Environment in East Asia</b>								
		This course examines the relationship between environment and the arts in China and Japan. In particular, how artists engage with and respond to nature through varied modes of artistic production and exhibition.								
		Crosslisted: East Asian Languages & Cultures, Environmental Studies, Visual Studies Enrollment Limit: 15								
		Lottery Preference(s): Sophomore standing or higher								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Environmental Studies Humanities Visual Studies</i>								
		2496	001	1.0	Erin Schoneveld	W	1:30PM	3:55PM	VCAM201	0
<b>EALC</b>	<b>H316B</b>	<b>East Asia's Cold War</b>								

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld	
					<p>Far beyond a time of geopolitical tensions between the United States and the Soviet Union, the Cold War was a global phenomenon with many violent battlegrounds. This course examines East Asian histories of the "long Cold War," from 1945 to the present, with a focus on China, Japan, Korea, and Vietnam. We will read East Asia's Cold War—through scholarship, film, and literature—as a struggle for national redefinition and cultural renewal in the aftermath of empire.            Crosslisted: EALC.            Enrollment Limit: 15.00            Attributes: B: Analysis of the Social World Social Science</p>						
		2612	001	1.0	Ruodi Duan	M	1:30PM	3:55PM		0	
<b>EALC</b>	<b>H370B</b>	<b>Advanced Topics in Buddhist Studies</b>									
		<p>Advanced course on a topic chosen annually by instructor. The purpose of this course is to give students with a basic background in Buddhist Studies deeper conversancy with a particular textual, thematic, or practice tradition in the history of Buddhism.            Prerequisite(s): EALC 201 or instructor consent            Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Visual Studies</p>									
		2760	001	1.0	Hank Glassman	T	7:30PM	9:55PM		0	
<b>ECON</b>	<b>H105B</b>	<b>Introduction to Economics</b>									
		<p>An introduction to microeconomic and macroeconomic concepts and topics. Micro topics include opportunity cost, supply and demand, consumer decision making, the theory of the firm, production costs, market structures, market failure, efficiency, and welfare. Macroeconomic topics include: measurement of national output, inflation and unemployment, equilibrium output determination, money and banking, interest rates, and fiscal and monetary policy. Because ECON 105 requires graphical and algebraic competency, students are strongly encouraged to take a college-level calculus course either before or concurrently with this course.            Attributes: B: Analysis of the Social World Social Science</p>									
		1322	001	1.0	Anne Preston	M W	10:00AM	11:25AM		0	
<b>ECON</b>	<b>H201B</b>	<b>Analytical Methods for Economics</b>									
		<p>The course explores several foundational models that shape our understanding of the nature of economic choices and interactions. We develop mathematical tools that are commonly used in the study of economics. This course is intended for students planning to major or minor in economics.            Prerequisite(s): Math 105 or Math 118 at Haverford College (or a comparable course in calculus at another college), or placement into Math 121 or higher; ECON 104 or ECON 105 or ECON 106            Attributes: B: Analysis of the Social World C: Physical and Natural Processes Quantitative Social Science</p>									
		1334	001	1.0	Timothy Lambie-Hanson	T Th	11:30AM	12:55PM		0	
<b>ECON</b>	<b>H204B</b>	<b>Economic Statistics with Calculus</b>									
		<p>Formal development of the theory of statistical inference, and fundamentals of data analysis. Three hours of class plus two hours of lab per week.            Prerequisite(s): ECON 104, 105 or 106; Completion of Math 118 at Haverford College (or a comparable course in calculus at another college), or placement into Math 121. ECON 204 cannot be taken if ECON 203, MATH 203, SOCL 215, PSYCH 200, or Bryn Mawr's ECON B253 have been taken            Attributes: B: Analysis of the Social World Quantitative Social Science</p>									
		1330	001	1.0	Richard J. Ball	M W	1:00PM	2:25PM		0	
		1335	00A	.0	Richard J. Ball	T	7:30PM	9:55PM		0	
<b>ECON</b>	<b>H206B</b>	<b>Microfinance: Theory, Practice and Challenges</b>									
		<p>An exploration of microfinance as an alternative approach to meeting the financial needs of the poor and, ideally, to assist in their current and future well-being. The course will provide theoretical explanations for its methodology, evaluate empirical research into its impacts and debate important issues in its practice.            Prerequisite: None            Enrollment Limit: 25            Lottery preference to PEAC Concentrators.            Attributes: B: Analysis of the Social World Peace, Justice and Human Rights Social Science</p>									
		2422	001	1.0	Shannon B. Mudd	T Th	10:00AM	11:25AM		0	

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
ECON	H245B				<b>Topics in Finance: Asset and Speculative Markets</b> This course provides an introduction to topics in financial economics, including asset markets. The prerequisite is Econ 104 or 105					0
		2807	001	1.0						
ECON	H247B				<b>Financial Accounting</b> An introduction to financial accounting concepts, financial reporting, and managerial accounting. The course will address how accounting measures, records, and reports economic activities for business entities and how decision makers analyze, interpret, and use accounting information. COURSE MAY NOT BE USED TOWARDS THE ECONOMICS MAJOR or MINOR AT HAVERFORD. Crosslisted: Economics, Independent College Programs Attributes: B: Analysis of the Social World Social Science					0
		1333	001	1.0	Neal Grabell	M	7:30PM	9:55PM		
ECON	H255B				<b>Crises</b> This course will study the many dimensions of the 2008 Financial Crisis, and the ensuing macroeconomic recession in much of the industrialized world, through a variety of different perspectives, involving economic history, the history of economic thought, and also modern macroeconomic theory. Prerequisite(s): ECON 104, 105, or 106 Attributes: B: Analysis of the Social World Social Science					0
		2545	001	1.0	Timothy Lambie-Hanson	M W	11:30AM	12:55PM		
ECON	H302B				<b>Intermediate Macroeconomic Analysis</b> Analysis of the behavior of aggregate economic variables such as GDP, inflation, unemployment, interest rates, and the budget and trade deficits. Structured around the development of a New Keynesian/Neoclassical general equilibrium model which relates the markets for goods, money, and labor. Specific topics include: determinants of the business cycle, effects of fiscal and monetary policies, supply shocks, inflationary expectations. Prerequisite(s): ECON 201 Attributes: B: Analysis of the Social World Social Science					0
		2424	001	1.0	Wei Qian	M W	10:00AM	11:25AM		
ECON	H306B				<b>Advanced Corporate Finance</b> This course examines theories and practices of corporate finance and how they have informed each other in their development. The focus is on financing at the firm level. Topics include valuation and risk measures both at the level of individual securities and the level of firms, project analysis, cost of capital, capital budgeting, and financial statement analysis. Prerequisite(s): Econ 203 or 204 or Math 203 or SOCL 215, PSYCH 200, or Bryn Mawr's Econ B253; Econ 300 or Econ B200 at Bryn Mawr; Econ 302 or Econ B202 at Bryn Mawr. Math 118 (or equivalent of 2 semesters of college calculus) Attributes: B: Analysis of the Social World Social Science					0
		2423	001	1.0	Shannon B. Mudd	T Th	2:30PM	3:55PM		
ECON	H307B				<b>Money and Banking</b> This course will focus on the basic features of asset market equilibria, the role that both money and financial intermediation play in facilitating the allocation of resources, the consequences of failure and policies available to the regulators and the Central Bank. Finally, we will discuss the impact of the evolution in payment systems and financial technology on the financial market and consequences for policy. Course not open to anyone who has already taken ECON207 at either Haverford or Bryn Mawr Prerequisite(s): Econ 302 and Econ 203 or 204 or Math 203. Attributes: B: Analysis of the Social World Social Science					0
		2597	001	1.0	Alberto Arredondo-Chavez	M W	11:30AM	12:55PM		
ECON	H360B				<b>Mathematical Economics</b> A study of advanced mathematical tools used in economic analysis. Topics include eigenvalues and quadratic forms, differential equations, convex programming and dynamic programming. Applications to consumer theory, generalized linear regression, stability of equilibrium, and models of growth and search. Fulfills Mathematic Economics (MTEC) concentration. Crosslisted: Economics, Mathematics					0



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Prerequisite(s): MATH 215; either MATH 121 or 216; ECON 203 or 204 or MATH 203 or SOCL 215 or PSYCH 200 or Bryn Mawr's ECON B253 recommended										
<i>Attributes: C: Physical and Natural Processes Mathematical Economics Quantitative Social Science</i>										
	2418	001	1.0	Giridhar Parameswaran		T	10:00AM	12:55PM		0
<b>ECON</b>	<b>H371B</b>	<b>Junior Research Seminar: Psychological Biases and Economic Decisions</b>								
A seminar-based course covering current research on the role of psychological biases in economic decision-making. The focus is on critical reading of recent work and developing students' own research.										
Crosslisted: Economics, Psychology										
Prerequisite(s): ECON 300 or ECON B200 at Bryn Mawr; ECON 304 (can be taken concurrently). MATH 118 (or equivalent of 2 semesters of college calculus)										
Enrollment Limit: 15										
<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World C: Physical and Natural Processes Social Science</i>										
	2421	001	1.0	David M. Owens		M W	1:00PM	2:25PM		0
<b>ECON</b>	<b>H385B</b>	<b>Junior Research Seminar: The Drivers of Economic Growth</b>								
This course continues on the ground work from introduction and intermediate macro courses in studying the drivers of economic growth. We will review a body of literature that tries to explain, both through empirical designs and theoretical models, the difference in the economic experiences across nations. This course will focus on both the methods used in this literature, both theoretical and empirical and on the way economic ideas are communicated in writing.										
Pre-requisite(s): Econ 302										
Enrollment Limit: 15.00										
<i>Attributes: B: Analysis of the Social World Social Science</i>										
	2598	001	1.0	Alberto Arredondo-Chavez		M W	2:30PM	3:55PM		0
<b>ECON</b>	<b>H396B</b>	<b>Research Seminar</b>								
Must be a senior Economics major.										
Prerequisite(s): ECON 304; an ECON 37X Jr. Research Seminar; ECON 396A.										
<i>Attributes: B: Analysis of the Social World Social Science</i>										
	1323	001	1.0	David M. Owens						0
	2822	002	1.0	Anne Preston						0
	1325	003	1.0	Richard J. Ball						0
	1326	004	1.0	Wei Qian						0
	1327	005	1.0	Carola Binder						0
	1328	006	1.0	Giridhar Parameswaran						0
	1587	007	1.0	Timothy Lambie-Hanson						0
	1588	008	1.0	Alberto Arredondo-Chavez						0
<b>ECON</b>	<b>H480B</b>	<b>Independent Study</b>								
	1331	001	1.0							0
<b>ECON</b>	<b>H480I</b>	<b>Independent Study</b>								
	1329	001	.5							0
<b>EDUC</b>	<b>H266B</b>	<b>Geographies of School and Learning: Urban Education Reconsidered</b>								
This course examines issues, challenges, and possibilities of urban education in contemporary America. We use as critical lenses issues of race, class, and culture; urban learners, teachers, and school systems; and restructuring and reform. While we look at urban education nationally over several decades, we use Philadelphia as a focal "case" that students investigate through documents and school placements. Fieldwork is required.										
Prerequisite(s): EDUC 200 or instructor consent										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
Enrollment Limit: 18 Lottery Preference(s): Priority for students completing the minor in Educational Studies or teacher certification Attributes: <i>B: Analysis of the Social World Social Science</i> 1598 001 1.0 Kelly Gavin Zuckerman M W 10:00AM 11:25AM 0										
<b>EDUC</b>	<b>H311B</b>	<b>Theories of Change in Educational Institutions</b>								
Drawing on students' weekly fieldwork, this seminar will explore how educational practice reflects and informs theories of change and pathways of action. Students their own theory of change; analyze the theories of change underlying their field sites; and develop skills and strategies for persisting in creative independence and interdependence with institutions. Areas of focus include teacher research and academic research, business models, network and relational models, mindfulness and listening, journalism, social media, museum studies and artistic expression. We bring these considerations to a reading of a current education reform initiative, The Baltimore Algebra Project, as a means of exploring the intersections of personal and structural growth. Prerequisite(s): Limited to students completing the minor in Educational Studies, or instructor consent Enrollment Limit: 18 Lottery Preference(s): Seniors completing the minor in Educational Studies Attributes: <i>A: Meaning, Interpretation (Texts) Museum Studies Praxis Program Social Science</i> 1478 001 1.0 Kelly Gavin Zuckerman T 1:30PM 3:55PM 0										
<b>EDUC</b>	<b>H480B</b>	<b>Independent Study</b>								
This course allows individual or a small group of students to work with a faculty member to design an independent study in Education. Prerequisite(s): EDUC 200 or instructor consent Enrollment Limit: 5 1842 001 1.0 0										
<b>ENGL</b>	<b>H120B</b>	<b>The Epic in English</b>								
An exploration of the long, narrative poems that shape the epic tradition in Anglophone literature from Ancient Greece to Medieval England to Africa and the Caribbean. Crosslisted: English, Comparative Literature Attributes: <i>Humanities</i> 2270 001 1.0 Maud B McInerney M W 1:00PM 2:25PM 0										
<b>ENGL</b>	<b>H212B</b>	<b>The Bible and Literature</b>								
A study of the Bible and its diverse genres, including legendary history, law, chronicle, psalm, love-song and dirge, prophecy, gospel, epistle, and eschatology. This study is accompanied by an extremely various collection of literary material, drawn from traditional and contemporary sources, and from several languages (including Hebrew), in order to illustrate the continued life of Biblical narrative and poetry. Attributes: <i>A: Meaning, Interpretation (Texts) Humanities</i> 2274 001 1.0 C. Stephen Finley T 7:30PM 9:55PM 0										
<b>ENGL</b>	<b>H226B</b>	<b>Disability and Literature</b>								
How are bodies and minds depicted as "normal" or "abnormal"? This course will address how bodily differences and impairments are given social meaning as disability, and how these disabilities are portrayed in literary genres including scripture, hagiography, poetry, drama, novels, short stories, and memoir. We study these depictions from the perspective of disability studies, a discipline that seeks to understand the cultural meanings and material realities of disability with respect to systems of oppression. Pre-requisite(s): Completion of the Writing Requirement Enrollment Limit: 25.00 Attributes: <i>A: Meaning, Interpretation (Texts) Health Studies Humanities</i> 1748 001 1.0 Danielle Allor T Th 1:00PM 2:25PM 0										
<b>ENGL</b>	<b>H230B</b>	<b>Poetics of Abolition</b>								
This course explores the role of poetry and other forms of creative expression in the history of prison abolition and related social justice movements. Focusing on incarcerated writers and artists who theorize life worlds in and beyond racial capitalism and the carceral state, the course approaches art-making as a practice of imagining abolitionist futures.										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld	
Pre-requisite(s): First year writing seminar Lottery Preference: English majors and PJHR concentrators. Enrollment Limit: 35.00 Attributes: A: <i>Meaning, Interpretation (Texts)</i> Humanities <i>Peace, Justice and Human Rights</i> 1692 001 1.0 Lindsay V. Reckson Th 1:30PM 3:55PM 0											
ENGL	H243B	<b>The Planetary Premodern</b>		This course will explore how poets, philosophers, and early scientists imagined the planet from antiquity to the early modern period. We will investigate medieval and early modern representations of the planet Earth, from descriptions of the natural world to representations of the planet in space. We will examine these works from the perspectives of the fields of literary studies, environmental humanities, animal and plant studies, and history of science. Pre-requisite(s): Completion of the Writing Requirement Lottery Preference: English and Environmental Studies majors Enrollment Limit: 25.00 1749 001 1.0							0
ENGL	H265B	<b>African American Literature: BLACK HORROR</b>		This course is an exploration of African American satire, focusing on fiction. While continually developing and refining our definition of satire, we will situate satire by black artists in a broader American tradition. Attributes: A: <i>Meaning, Interpretation (Texts)</i> Africana Studies B: <i>Analysis of the Social World</i> Humanities 2275 001 1.0 Asali Solomon M W 11:30AM 12:55PM							0
ENGL	H272B	<b>Topics in Irish Literature: Joyce/Beckett</b>		Looks at the work of these two major figures as epitomizing an Irish rhetoric in post-colonial reading which "enacts a movement that begins in aphasia and ends in eloquence" [Seamus Deane], in this case in a comprehensive reading of Joyce in the most prolix of texts, <i>Ulysses</i> and <i>Finnegans Wake</i> , and Beckett, where texts seemingly court in silence their own undoing. Enrollment Limit: 25 Attributes: A: <i>Meaning, Interpretation (Texts)</i> Humanities 2276 001 1.0 Debora Sherman T Th 2:30PM 3:55PM							0
ENGL	H273B	<b>Modern British Literature: Mixing Memory and Desire</b>		An exploration of literary modernism in Britain through analysis of fiction, criticism, and aesthetic manifestos in their historical contexts. Possible authors include E. M. Forster, Lewis Grassic Gibbon, Katherine Mansfield, George Orwell, Jean Rhys, Sam Selvon, Rebecca West, and Virginia Woolf. Attributes: Humanities 2553 001 1.0 Alexander Millen M W 1:00PM 2:25PM							0
ENGL	H292B	<b>Creative Writing: Poetry II</b>		English 292 is an advanced creative writing workshop. The workshop involves both reading and writing poetry. Students will have the opportunity to expand their repertoire by modeling their pieces on the work of various poets including: Susan Howe, Morgan Parker, M.S. Merwin, and Ocean Vuong. We will analyze and investigate issues of form related to entire books and poetry collections. A final portfolio of revised work is required. Prerequisite(s): Writing sample required for consideration. Submit writing sample to Dept. of English in Woodside Cottage. Enrollment Limit: 15 Attributes: A: <i>Creative Expression</i> Humanities 1399 001 1.0 Thomas Devaney F 1:30PM 3:55PM							0
ENGL	H294B	<b>Creative Writing: Fiction II</b>		Students in the Advanced Fiction Workshop will not only continue to hone the basic elements of their fiction, including character development, dialogue, plot and prose style, but will focus much of their efforts on revision and the process of "finishing" a story. Prerequisite(s): One fiction writing course or instructor consent, and submission of writing sample to course professor Enrollment Limit: 15 Attributes: A: <i>Creative Expression</i> Humanities 2778 001 1.0 Emma Copley Eisenberg Th 1:30PM 3:55PM							0
ENGL	H295B	<b>New Media Performance Project</b>									

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<p>New Media Performance Project (NMPP) incorporates processes of devised and experimental theatre with the creative use of digital media technologies for the realization of an evening-length performance. In response to topical cultural issues, students will engage with a variety of audio-visual media and interactive systems through sessions of improvisation, theatre games, and other creative research. Acting experience is not required, but students should be comfortable with public speaking at a minimum.                      Enrollment Limit: 15.00                      Attributes: A: Creative Expression Humanities Visual Studies</p>										
	2856	001	1.0	Matthew O'Hare		T Th	11:30AM	12:55PM	VCAM202	0
<b>ENGL</b>	<b>H298J</b>	<b>Junior Seminar I</b>								
<p>Junior seminar comprises of a two part sequence that, through class readings, discussion, and writing tutorials, engage students in a study of (1) a series of texts representing the range and diversity of the historical tradition in British and American literature, and (2) critical theory and practice as it has been influenced by hermeneutics, feminism, psychology, semiology, sociology, and the study of cultural representation, and as it reflects the methods of literary criticism.                      Attributes: Humanities</p>										
	1521	001	.5	TBA Department staff						0
<b>ENGL</b>	<b>H299B</b>	<b>Junior Seminar II</b>								
<p>Part II of the sequence focuses on narrative and its theorization and criticism. Readings include George Eliot's Middlemarch, stories by Henry James and Edgar Allan Poe, and James Joyce's Ulysses.                      Prerequisite(s): ENGL 298 or instructor consent                      Enrollment Limit: 17                      Attributes: Humanities</p>										
	1396	001	1.0	Kimberly Benston		T Th	10:00AM	11:25AM		0
	2593	002	1.0	Maud B McInerney		T Th	10:00AM	11:25AM		0
<b>ENGL</b>	<b>H358B</b>	<b>History and/in Fiction</b>								
<p>A sustained inquiry into the political and aesthetic horizons of historical fiction, this advanced seminar studies British historical novels from the twenty- and twenty-first centuries. Exploring a wide array of imagined pasts—from early modern England to the First World War, among others—we will pay particular attention to how texts conjure and contest national myth-making. Alongside our close readings of individual texts we will consider the fate and fluctuating prestige of the historical novel more broadly.</p>										
	2282	001	1.0	Alexander Millen		F	11:00AM	1:25PM		0
<b>ENGL</b>	<b>H361B</b>	<b>Topics in African-American Lit: Representations of American Slavery</b>								
<p>For the past three centuries African American writers have mined the experience of chattel slavery in the cause of literal and artistic emancipation. Slave narratives, as well as poetry, essays and novels depicting slavery, constitute a literary universe so robust that the term subgenre does it injustice. In this work spanning the 18th-21st centuries, the reader will find pulse-quickening plots, gruesome horror, tender sentiment, heroism, degradation, sexual violation and redemption, as well as resonant meditations on language and literacy, racial identity, power, psychology, democracy, freedom and the human character. This course is focused primarily on prose representations of slavery in the Americas. Our discussions will incorporate history, but will foreground literary and cultural analysis.                      Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities Visual Studies</p>										
	2283	001	1.0	Asali Solomon		W	1:30PM	3:55PM		0
<b>ENGL</b>	<b>H362B</b>	<b>Topics in American Literature: Writing about Other People</b>								
<p>A seminar on the literary portrait, examining mostly non-fiction by Anglo-American and African American writers from the late 19th century to the present. Topics include the erotics of portraiture, portraiture and the archive, portraiture and personal/historical trauma, collective portraiture, satire/critique, data portraits, modernist/post-modernist portraiture. We'll frequently refer to visual forms of portraiture, including painting, photography, video art, and cinema. Regular writing assignments will include our own experiments in writing about others.                      Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Humanities</p>										
	2284	001	1.0	Gustavus T. Stadler		M	1:30PM	3:55PM		0
<b>ENGL</b>	<b>H366B</b>	<b>Topics in American Literature: Asian American Hybridity</b>								
<p>Attributes: A: Meaning, Interpretation (Texts) Asian American Studies</p>										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
		2285	001	1.0	Elizabeth Kim	T Th	1:00PM	2:25PM		0
<b>ENGL</b>	<b>H399B</b>	<b>Senior Conference</b>								
		Students work closely with a faculty consultant over the course of their senior year in the research and writing of a 25-30 page essay or a piece of creative writing accompanied by a critical preface (for the creative writing concentration). The course culminates in an hour-long oral examination that covers the thesis and coursework done for the major.								
		Prerequisite(s): Limited to senior English majors only								
		1798	001	1.0						0
		1391	00A	.0	Kimberly Benston					0
		1392	00B	.0	Elizabeth Kim					0
		1393	00C	.0	Laura McGrane					0
		1394	00D	.0	Lindsay V. Reckson					0
		1395	00E	.0	Asali Solomon					0
		2271	00F	1.0	Gustavus T. Stadler					0
<b>ENVS</b>	<b>H101B</b>	<b>Case Studies in Environmental Issues: Concepts, Contexts, &amp; Conundrums</b>								
		The course offers a cross-disciplinary introduction to environmental studies. Tracing an arc from historical analysis to practical engagement, distinctive approaches to key categories of environmental inquiry are presented: political ecology, earth science, energy, economics, public health, ecological design, sustainability, policy, and environmental ethics. Basic concepts, such as thermodynamics, biodiversity, cost-benefit analysis, scale, modernization, enclosure, the commons, and situational ethics, are variously defined and employed within specific explorations of environmental challenges in the modern world.								
		Prerequisite(s): Not open to students who have taken ENVS 101 at Bryn Mawr or Swarthmore								
		Enrollment Limit: 40								
		Lottery Preference(s): Junior minors in ENVS; Sophomores; 5 spaces for Frosh								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World C: Physical and Natural Processes Environmental Studies</i>								
		2556	001	1.0	Talia Young	T Th	10:00AM	11:25AM		0
<b>ENVS</b>	<b>H278B</b>	<b>The Earth: Ethics, Politics, and Economics</b>								
		How should we deal with clashes among environmental values, economic growth, and what people want? Examines the clashing theories and interpretations of facts that underlie current environmental debates. Focus on climate change and inter-relations among ethical, political, and economic concerns.								
		Enrollment Limit: 25								
		<i>Attributes: B: Analysis of the Social World Social Science</i>								
		2557	001	1.0	Thomas J. Donahue	M	1:30PM	3:55PM		0
<b>ENVS</b>	<b>H305B</b>	<b>Art and the Environment in East Asia</b>								
		This course examines the relationship between environment and the arts in China and Japan. In particular, how artists engage with and respond to nature through varied modes of artistic production and exhibition.								
		Crosslisted: East Asian Languages & Cultures, Environmental Studies, Visual Studies Enrollment Limit: 15								
		Lottery Preference(s): Sophomore standing or higher								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Environmental Studies Humanities Visual Studies</i>								
		2499	001	1.0	Erin Schoneveld	W	1:30PM	3:55PM	VCAM201	0
<b>ENVS</b>	<b>H312B</b>	<b>Black &amp; Asian Foodways: An Exploration</b>								
		This course will examine environmental and social histories of Black and Asian foods and cuisines in the US, including an introduction to environmental food studies, US Black and Asian migration histories, conflict, and solidarity, and case studies of specific foods.								
		Prerequisite(s): ENVS 101 and at least one of ENVS 201-204; or permission of instructor								
		Enrollment Limit: 15								
		Lottery Preference(s): ENVS majors, then Sophomores, then ENVS minors								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<i>Attributes: Africana Studies B: Analysis of the Social World C: Physical and Natural Processes Global Asia Social Science</i>										
	2555	001	1.0	Talia Young		T Th	11:30AM	12:55PM		0
<b>ENVS</b>	<b>H397B</b>	<b>Senior Seminar in Environmental Studies</b>								
This capstone Environmental Studies course is designed to allow Environmental Studies seniors to actively engage in environmental problem solving by bringing the perspectives and skills gained from their majors and applying them to collaborative, interdisciplinary projects. Enrollment Preference(s): Limited to seniors <i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World C: Physical and Natural Processes Environmental Studies</i>										
	1390	001	1.0	Jonathan Wilson		F	11:00AM	1:25PM		0
<b>ENVS</b>	<b>H408B</b>	<b>Senior Research Tutorial in Plant Biology and Evolution</b>								
Plants are an important interface between biology and the environment, and the study of plants' evolutionary history illuminates this interaction. This course will focus on the physiology and evolution of living and extinct plants. Techniques employed include anatomical studies of living and fossil plant tissues; imaging and quantitative investigation of plant structure; and the collection and analysis of fossil plant material. Exploration of the primary literature and various opportunities to hone scientific communication skills will supplement lab work. Prerequisite(s): Instructor consent Enrollment Limit: 7 <i>Attributes: Natural Science</i>										
	1617	001	1.0	Jonathan Wilson						0
<b>FREN</b>	<b>H002B</b>	<b>Elementary French Non Intensive</b>								
The speaking and understanding of French are emphasized particularly during the first semester. The work includes regular use of the Language Learning Center and is supplemented by intensive oral practice sessions. The course meets in intensive (nine hours each week) and non-intensive (five hours each week) sections. This is a year-long course; both semesters (001 and 002) are required for credit. Enrollment Limit: 20 <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>										
	1156	001	1.0	Kathryne Adair Corbin		M W F	8:30AM	9:25AM		0
	2786	002	1.0	Kathryne Adair Corbin		M W F	9:30AM	10:25AM		0
<b>FREN</b>	<b>H004B</b>	<b>Intermediate French</b>								
The emphasis on speaking and understanding French is continued, texts from French literature and cultural media are read, and short papers are written in French. Students use the Language Learning Center regularly and attend supplementary oral practice sessions. The course meets in non-intensive (three hours each week) sections which are supplemented by an extra hour per week with an assistant. This is a year-long course; both semesters (003 and 004) are required for credit. Prerequisite(s): FREN 001 and 002, or French placement exam <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>										
	1157	001	1.0	Koffi Anyinefa		M W F	10:30AM	11:25AM		0
	1158	002	1.0	David Sedley		M W F	11:30AM	12:25PM		0
<b>FREN</b>	<b>H102B</b>	<b>Introduction à l'analyse littéraire</b>								
The goal of this course, the sequel to French 101, is to continue to develop your powers of expression and analysis in French. A difference between French 102 and 105 (the other sequel to 101) is that here the objects of study will be literary, and that through them we will consider what the value of studying literature is. In French and Francophone cultures, literature has an important and volatile relation to the question of civilization. The relation is important because literature has been used to define and to instill a sense of civility, that is, what it takes for people to live peacefully with one another. On the other hand, the relation is volatile because people disagree about literature's role in defining civility as well as about how to define civility (and therefore civilization) itself. We will explore these fundamental issues in French and Francophone cultures through texts and films of diverse periods, genres, and origins. Authors and artists will include Marivaux, Abdellatif Kechiche, Jean de La Fontaine, Victor Hugo, Françoise de Graffigny, Michel de Montaigne, and Patrick Chamoiseau.										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
					Prerequisite(s): FREN 005 or 101					
					<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>					
		1159	001	1.0	Christophe Corbin	T Th	1:00PM	2:25PM		0
		2835	002	1.0	David Sedley	M W	2:30PM	3:55PM		0
<b>FREN</b>	<b>H250B</b>	<b>Introduction à la Littérature Francophone: Ecritures/Fictions de soi francophones</b>								
		Writing, reflecting, about one's life necessarily involves writing about others. How do contemporary Francophone writers and filmmakers understand and express the inter-relational nature of selfhood, identity, and community? In this course we will study a representative sample of Francophone literary and filmic texts in light of current perspectives on postcolonial autobiographical narratives. Possible writers and filmmakers may include Al Malik, Begag, Bouraoui, Bugul, Chamoiseau, Feraoun, Kane, Peck, Pineau and Rahmani.								
		Prerequisite(s): FREN 101 and 102/105, or 005 and 102/105								
		<i>Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities</i>								
		2527	001	1.0	Koffi Anyinefa	M W	2:30PM	3:55PM		0
<b>FREN</b>	<b>H312B</b>	<b>Adv Topics French Lit: Machines à penser de Descartes à nous-mêmes</b>								
		Have you ever wondered whether machines can think? This course explores the question by uncovering the contested origins of mechanical culture in early-modern France. We will study the inventions of calculating and thinking machines by Descartes and Pascal, as well as their appropriations and critiques by Madame de Lafayette and Molière. We will then use our findings to reassess the significance of subsequent inventions such as artificial intelligence, cognitive science, machine learning, and chatbots. Readings (as well as those mentioned above) may include works by Epicurus, Euclid, Lucy Hutchinson, La Fontaine, Madame du Châtelet, Diderot, La Mettrie, Alan Turing, Grace Hopper, and OpenAI. .								
		In French.								
		Crosslisted: FREN and COML								
		Prerequisite(s): At least one 200-level course								
		<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>								
		1162	001	1.0	David Sedley	F	1:30PM	3:55PM		0
<b>FREN</b>	<b>H399B</b>	<b>Senior Thesis</b>								
		1161	001	1.0						0
<b>GERM</b>	<b>H002B</b>	<b>Elementary German</b>								
		Meets five hours a week with the individual class instructor, one hour with student drill instructors. Strong emphasis on communicative competence both in spoken and written German in a larger cultural context. This is a year-long course; both semesters (001 and 002) are required for credit.								
		Enrollment Limit: 18								
		<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>								
		1378	001	1.0	Michael Austin Burri	M T W Th F	9:30AM	10:25AM		0
<b>GERM</b>	<b>H102B</b>	<b>Intermediate German</b>								
		Meets three hours a week with the individual class instructor, one hour with student drill instructor. Thorough review of grammar, exercises in composition and conversation. Enforcement of correct grammatical patterns and idiomatic use of language. Study of selected literary and cultural texts and films from German-speaking countries. Two semesters.								
		Enrollment Limit: 18								
		<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>								
		1379	001	1.0	Imke Brust	M W F	9:30AM	10:25AM		0
<b>GERM</b>	<b>H202B</b>	<b>Advanced Training: Intro. to German Studies</b>								
		This course is intended for students who wish to refine their speaking, writing, and reading skills beyond the Intermediate level. Designed as a comprehensive introduction to modern German culture, we will discuss a variety of literary, political, historical and philosophical texts, including feature films and video materials. Weekly grammar reviews will complement these activities.								
		Enrollment Limit: 18								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<i>Attributes: Humanities</i>										
	1878	001	1.0	Margaret Strair		M W	2:30PM	3:55PM		0
<b>GERM</b>	<b>H321B</b>	<b>Topics Germ Lit: 1919 - 2019</b>								
Crosslisted: German, Comparative Literature Enrollment Limit: 20										
<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>										
	1380	001	1.0	Imke Brust		M W	11:30AM	12:55PM		0
<b>GERM</b>	<b>H399B</b>	<b>Senior Conference</b>								
All of our majors are required to write a senior thesis in German, or—if they are double majors—to produce a thesis in a related discipline that has significant overlap with their work in German. They typically take a 300-level seminar in fall and write a research term paper which often becomes the foundation for their senior project. In the spring semester they take the mandatory senior conference consisting of weekly meetings and discussions of thesis proposals and drafts with their advisor(s). In writing the senior thesis, the student should demonstrate a) the capacity to conceive a theoretically informed and well designed research project b) the language skills to research and evaluate primary and secondary materials and to effectively synthesize these, and c) the analytical and methodological skills to produce an innovative and critically astute thesis.										
<i>Attributes: Humanities</i>										
	1382	001	1.0	Imke Brust						0
<b>GREK</b>	<b>H001B</b>	<b>Elementary Greek</b>								
This two-semester course provides an introduction to the ancient Greek language and to the reading of ancient Greek literature; from the beginning we will be reading not only sentences designed to give students practice but actual excerpts from ancient prose and poetry. We should be able to finish the basics by about the middle of the spring semester, and will spend the rest of the year reading and discussing Plato's <i>Crito</i> , in which Socrates defends his decision not to escape from prison and a death sentence, and Lysias' first oration, a speech for the defense in a trial that sheds interesting light on Athenian domestic life.										
<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>										
	1153	001	1.0	Matthew Cullen Farmer		M W F	11:30AM	12:25PM		0
<b>GREK</b>	<b>H202B</b>	<b>Advanced Greek: Tragedy</b>								
In this course we read two of the surviving works of fifth century Greek tragedy, with selected critical essays and background reading in other plays. Class time will be divided between translation and discussion, with attention not only to themes specific to each tragedy but also to such common topics as: the playwright's treatment of the inherited myth; the way in which the drama tells its story; the role and nature of the chorus; characterization and the connections between characters; the relationship of divine and human; the role of prophecy; choice, justice and retribution; political resonances and the role of gender; performance issues; and the language of dialogue and of choral ode. Class will also include practice reading aloud in the meter of dialogue and in some of the simpler choral meters and discussion of different translations of selected passages. Prerequisite(s): Two Greek courses at the 100 level or above, or instructor consent.										
<i>Attributes: Classics Humanities</i>										
	2659	001	1.0	Matthew Cullen Farmer		M W	10:00AM	11:25AM		0
<b>GSST</b>	<b>H194B</b>	<b>The Queer Relationship between Race and Sexuality: Introduction to Queer Studies</b>								
This course is designed to introduce students to the academic field and cultural contexts of Queer Studies through a focus on race and sexuality as identities/locations/markers positioned within the social structure of the United States. Our aim is to understand major concepts and vocabulary in Queer Studies, to situate and assess human experience within diverse theoretical frameworks, and to interrogate assumptions about sexuality and race as categories of identity. Enrollment Limit: 35.00										
<i>Attributes: B: Analysis of the Social World Gender and Sexuality Studies Humanities</i>										
	2868	001	1.0	Benae Beamon						0
<b>GSST</b>	<b>H201B</b>	<b>Women of Color Feminisms</b>								
This course explores the historical development of women of color feminisms. We begin with an introduction to key concepts in the field of women's, gender, and sexuality studies, such as gender, sexuality, race, feminisms, white privilege,										



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					<p>oppression, and intersectionality. We then focus on <i>This Bridge Called My Back: Writings by Radical Women of Color</i> (1984), a foundational text within women of color feminisms. Next, we study the more recent companion text to <i>This Bridge Called My Back</i>, <i>This Bridge Called Home: Radical Visions for Transformation</i> (2002). Lastly, we will examine women of color's relationship to state violence.</p> <p>Lottery Preference: Gen/Sex concentrators</p> <p>Enrollment Limit: 25.00</p> <p>Attributes: A: <i>Meaning, Interpretation (Texts)</i>    <i>Gender and Sexuality Studies</i>    <i>Humanities</i></p>							
	2866	001	1.0	Regina K Velasco	M	1:30PM	3:55PM			0		
<b>GSST</b>	<b>H202B</b>	<b>Queer of Color Visual Culture</b>										
					<p>This course explores the representation of race, ethnicity, gender, and sexuality within multiple forms of visual culture, including film, video, and mass media. In particular, we will examine the politics of representation in visual culture produced by and about queer communities of color. Drawing on queer studies, feminist studies, ethnic studies, visual culture studies, and film studies, this course will introduce students to the burgeoning interdisciplinary field of queer of color studies. Throughout the course, students will develop their skills of visual analysis, which they will integrate with their analysis of written texts.</p> <p>Lottery Preference: Gender and Sexuality concentrators</p> <p>Enrollment Limit: 25.00</p> <p>Attributes: A: <i>Meaning, Interpretation (Texts)</i>    <i>Gender and Sexuality Studies</i>    <i>Humanities</i>    <i>Visual Studies</i></p>							
	2867	001	1.0	Regina K Velasco	T	1:30PM	3:55PM			0		
<b>GSST</b>	<b>H210B</b>	<b>Queer Globalization</b>										
					<p>Focusing on the relationship between queer genders and sexualities to migration, globalization, and transnational belonging, this course draws mainly on three bodies of interdisciplinary scholarship: queer of color scholarship, queer globalization scholarship, and diaspora and transnational studies. We will begin by exploring the history of LGBT and queer identities in the West. We will then define concepts of nation and diaspora, focusing on the relationship between sexuality, migration, and citizenship.</p> <p>Lottery Preference: Gender and Sexuality Studies concentrators.</p> <p>Enrollment Limit: 25.00</p>							
	1750	001	1.0							0		
<b>GSST</b>	<b>H231B</b>	<b>Queer Road-Trip Films, Ancient and Modern</b>										
					<p>The queer road-trip film has been gaining popularity as an outlet for exploring non-normative sexuality further marginalized on the road. We will examine the phenomenon of the queer road-trip narrative, approaching it from an unlikely starting point: the Ancient Mediterranean novels <i>Satyrice</i> and <i>Leucippe and Clitophon</i>. Both of these ancient novels dramatize road trips and travel narratives involving different combinations of queer characters; we'll pair them with a curated selection of contemporary queer road-trip films.</p> <p>Crosslisted: GSST,VIST.</p> <p>Enrollment Limit: 25.00</p> <p>Attributes: A: <i>Meaning, Interpretation (Texts)</i>    <i>Gender and Sexuality Studies</i>    <i>Humanities</i>    <i>Visual Studies</i></p>							
	2861	001	1.0	Robert S Santucci	F	1:30PM	3:55PM			0		
<b>GSST</b>	<b>H290B</b>	<b>Interdisciplinary Perspectives on Gender</b>										
					<p>Explore the intersection of gender, sexuality, race, class, religion, and embodiment in our time. Our focus is principally on the USA, though we make some forays into international conversations. Readings are drawn from a smattering of the most recent developments in academic research and theory, as well as from science fiction, activism, popular culture, and new media. We work to bring the personal into the classroom, and to take what we learn out into the world.</p> <p>Enrollment Limit: 10</p> <p>Lottery Preference(s): 1. Gen/Sex Concentrators 2. Juniors and Seniors</p>							
	1684	001	1.0							0		
<b>GSST</b>	<b>H302B</b>	<b>Black Queer Studies</b>										
					<p>This seminar examines the intellectual and political issues at stake in the field of black queer studies. Black queer studies consists of theories and methods that examine how race, gender, and sexuality intersect in ways that shape our</p>							

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					everyday lives. We will explore foundational texts, central themes, and key debates within black queer studies in relation to other fields of thought including queer of color critique, African diaspora studies, and trans studies. Crosslisted: GSST. Enrollment Limit: 15.00 <i>Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis of the Social World Gender and Sexuality Studies Social Science</i>					
		2882	001	1.0	Kevin Quin	Th	1:30PM	3:55PM		0
<b>HIST</b>	<b>H111B</b>	<b>Introduction to Western Civilization</b> This course (which may be taken independent of the first semester) picks up at the beginning of the sixteenth century and goes to the present. It explores the development of the modern European world. <i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science</i>								
		1226	001	1.0	Linda Gerstein	M W	1:00PM	2:25PM		0
<b>HIST</b>	<b>H125B</b>	<b>Introduction to Latin American and Latinx History</b> This course is an intensive history class designed around two goals: to give students an introduction to themes and debates in Latin American and Latinx History, and to provide hands-on practice toward doing research. We will focus on Indigenous histories of resistance and migration, gender studies, as well as intellectual and political trends across the American continents. Texts are interdisciplinary and include fiction, journalism, polemic, history, sociology, and anthropology. Enrollment Limit: 25.00 <i>Attributes: A: Meaning, Interpretation (Texts) Latin American, Iberian, and Latinx Studies Social Science</i>								
		1644	001	1.0	Marlen Rosas	T Th	11:30AM	12:55PM		0
<b>HIST</b>	<b>H126B</b>	<b>Global Asian Diasporas</b> This course examines the modern histories, politics, and cultures of Asian migration and diasporas, with a focus on American contexts. Between 1840 and 1940, Asian migrants—numbering in the tens of millions—set out in search of livelihoods and fortunes, especially in Southeast Asia and the Americas. We will look at how patterns of Asian migrations were propelled by and shaped world-historical dynamics including colonialism, globalization, racial formation, and the most contentious wars of the twentieth century. Crosslisted: EALC. Enrollment Limit: 25.00 <i>Attributes: Asian American Studies B: Analysis of the Social World Social Science</i>								
		2609	001	1.0	Ruodi Duan	M W	11:30AM	12:55PM		0
<b>HIST</b>	<b>H203B</b>	<b>The Age of Jefferson and Jackson, 1789- 1850</b> This course charts the transformation in American political institutions, economy, and society from the ratification of the Constitution to the eve of the Civil War. Often identified as the crucial period when the American nation cohered around a national culture and economy, this period also witnessed profound social rifts over the political legacy of the American Revolution, the national institutionalization of slavery, and the rise of a new class system. We will consider the points of conflict and cohesion in this rapidly changing American nation. <i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science</i>								
		2326	001	1.0	Bethel A. Saler	T Th	2:30PM	3:55PM		0
<b>HIST</b>	<b>H208B</b>	<b>Decolonizing Colonial Latin American and Caribbean History</b> Can we imagine a “decolonial” history of colonial Latin America and the Caribbean? This course invites you to try. “Decolonization” requires us to acknowledge, work through and overcome the structures of power and privilege originating in the colonial experience itself. To do so one must analyze history, historiography (the writing of history) and non-written historical sources across varied time frames and vast geographic expanses, while also grasping the nuances of specific local histories. In Latin America, Spanish and Portuguese rule of the region lasted more than three centuries--in most countries from 1492 until the early 1820s, and in Cuba and Puerto Rico until 1898--and the legacies of colonial rule have conditioned social relations, economic life, culture, and political conflict into our twenty first century. The Caribbean (“Iberian” and non “Iberian”) presents an even more complex tapestry, with a diverse array of colonial, as well as neo- and post-colonial political arrangements mediating at times fierce struggles for local autonomy and self-determination, from the sixteenth century up until the present. This course challenges us to think in new ways about past and present as it engages history and theory, the local and the global, and place and space.								

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					<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Latin American, Iberian, and Latinx Studies Social Science</i>						
		2327	001	1.0	James Krippner	W F	11:30AM	12:55PM		0	
<b>HIST</b>	<b>H214B</b>	<b>The Black Power Movement</b>									
		This course examines the history, politics, and culture of the black power movement in the United States. We will explore the intellectual and political activities of major activists and organizations during the 1960s and 1970s. We will also examine the black power movement's global dimensions in addition to its connection to other social movements and political traditions including black feminism, Marxism, Pan-Africanism, and gay liberation. By the end of this course, students will have a solid understanding of the ways black power transformed both politics and culture in the United States after World War II.									
		Crosslisted: HIST. Enrollment Limit: 25.00									
					<i>Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis of the Social World Social Science</i>						
		2880	001	1.0	Kevin Quin	T Th	10:00AM	11:25AM		0	
<b>HIST</b>	<b>H226B</b>	<b>Twentieth Century Europe: Modernism 1913-1937</b>									
		The emergence of the culture of Modernism; revolutionary dreams and Stalinist nightmares in Russia; Fascism; the trauma of war 1914-1945; the divisions of Cold War Europe; and the challenge of a new European attempt at re-integration in the 1990s.									
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science</i>									
		2328	001	1.0	Linda Gerstein	T Th	1:00PM	2:25PM		0	
<b>HIST</b>	<b>H228B</b>	<b>The French Revolution</b>									
		Most historians identify the French revolution of 1789 with the birth of the modern world. The French captured international attention when they tore down the Old Regime and struggled to establish a democratic society based on Enlightenment principles of liberty and equality. The problems confronted by revolutionary leaders continue to haunt us around the world today. This course examines the origins, evolution, and impact of the French Revolution with special emphasis on the historiographical debates that have surrounded the revolution since its inception.									
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science</i>									
		2329	001	1.0	Lisa Jane Graham	T Th	2:30PM	3:55PM		0	
<b>HIST</b>	<b>H246B</b>	<b>History of Sexuality in the U.S.</b>									
		This 200-level course will explore both "classic" and recent writings on the history of sexuality, focusing on questions of politics, power, and authority in order to understand the regulation of sexual practices, the social implications of sexual activity and identity, and the experiences, ideas, and conflicts that have shaped modern gay, lesbian, and transgender identities.									
		Lottery Preference: History majors, Gen Sex concentrators, then Sophomores Enrollment Limit: 25.00									
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Gender and Sexuality Studies</i>									
		2770	001	1.0	Lori Ginzberg	M W	10:00AM	11:25AM		0	
<b>HIST</b>	<b>H258B</b>	<b>Plagues, Diseases, and Epidemics in History</b>									
		COVID joins a long list of epidemics that have terrified people, upended our comfortable existence, and been the source of fundamental disagreements (about cause, treatment, and reality). This course examines the theories and strategies that people developed to explain the advent and spread of individual plagues. Outbreaks of the Black Death, the French Disease (syphilis ?), various fevers, and deadly diseases provide opportunities to examine how societies understand, categorize diseases, and attempt to control.									
		Enrollment limit: 25 <i>Attributes: Social Science</i>									
		2785	001	1.0	Darin Hayton	M W	11:30AM	12:55PM		0	
<b>HIST</b>	<b>H274B</b>	<b>History of the Andes</b>									
		This course presents a cultural and political history of the Andean region of South America. We will examine unique historical developments in this part of the world. The themes we will analyze include the influence of geography on early Andean civilizations, the cultural impact of conquest, land and labor systems, popular resistance movements, revolutions, military governments, neoliberalism, and the politicization of ethnic identities.									

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Enrollment Limit: 25										
<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Latin American, Iberian, and Latinx Studies Social Science</i>										
	2325	001	1.0		Marlen Rosas	T Th	2:30PM	3:55PM		0
<b>HIST</b>	<b>H316B</b>	<b>East Asia's Cold War</b>								
Far beyond a time of geopolitical tensions between the United States and the Soviet Union, the Cold War was a global phenomenon with many violent battlegrounds. This course examines East Asian histories of the "long Cold War," from 1945 to the present, with a focus on China, Japan, Korea, and Vietnam. We will read East Asia's Cold War—through scholarship, film, and literature—as a struggle for national redefinition and cultural renewal in the aftermath of empire.										
Crosslisted: EALC.										
Enrollment Limit: 15.00										
<i>Attributes: B: Analysis of the Social World Social Science</i>										
	2611	001	1.0		Ruodi Duan	M	1:30PM	3:55PM		0
<b>HIST</b>	<b>H317B</b>	<b>Topics in Latin American Hist:Religion, Power, and Politics in Latin America and the Caribbean</b>								
This seminar analyzes the connections between religion, power, and politics in contemporary Latin America and the Caribbean. While the emphasis in our readings will be on varied forms of elite and popular Christianity, we shall discuss a range of religious experiences and traditions. Students will also be encouraged to pursue research topics of their own design. Topics to be considered include polemics concerning enlightenment rationality, secularism, atheism, agnosticism, and the persistence of religious belief in our contemporary world; right and left-wing "faith-based" political models in Latin America; the emergence of Liberation Theology and its intersection with resistance, rebellion, and revolution on the popular level; Afro-Atlantic spiritual beliefs and practices, and the history of Christian socialism and social reform.										
<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Latin American, Iberian, and Latinx Studies Social Science Visual Studies</i>										
	1499	001	1.0		James Krippner	F	1:30PM	3:55PM		0
<b>HIST</b>	<b>H333B</b>	<b>History and Fiction:Call Me Ishmael: Early American Encounters with Islam</b>								
This course introduces students to some of the cultural theories that have influenced the recent work of historians as well as examples of historical monographs that take a theoretical approach. It highlights imaginative & innovative approaches to history rather than a particular geographic or chronological period. Among the cultural theorists whose work we will examine will include Michel Foucault, Clifford Geertz, Pierre Bourdieu, Edward Said, and Dipesh Chakrabarty.										
<i>Attributes: B: Analysis of the Social World Social Science</i>										
	2565	001	1.0		Bethel A. Saler	T	7:30PM	9:55PM		0
<b>HIST</b>	<b>H350B</b>	<b>Topics in the History of Science: Divination</b>								
<i>Attributes: B: Analysis of the Social World Social Science</i>										
	2331	001	1.0		Darin Hayton	M	1:30PM	3:55PM		0
<b>HIST</b>	<b>H400B</b>	<b>Senior Thesis Seminar</b>								
History 400B is devoted to individual thesis research and writing.										
Prerequisite(s): HIST400A										
<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science</i>										
	1227	001	1.0		Darin Hayton					0
	1228	002	1.0		Bethel A. Saler					0
	1229	003	1.0		James Krippner					0
	1230	004	1.0		Lisa Jane Graham					0
	1231	005	1.0		Linda Gerstein					0
	1232	006	1.0		Ruodi Duan					0
	1233	007	1.0		Marlen Rosas					0
<b>HIST</b>	<b>H480B</b>	<b>Independent Study</b>								
Independent Study										
	1566	001	1.0							0

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<b>HIST</b>	<b>H480I</b>	<b>Independent Study</b>								
		Independent Study								
		1581	001	.5						0
<b>HLTH</b>	<b>H115B</b>	<b>Introduction to Health Studies</b>								
		The multidisciplinary foundation for the health studies minor. Students will be introduced to theories and methods from the life sciences, social sciences, and humanities and will learn to apply them to problems of health and illness. Topics include epidemiological, public health, and biomedical perspectives on health and disease; social, behavioral, and environmental determinants of health; globalization of health issues; cultural representations of illness; health inequalities, social justice, and the ethics of health as a human right.								
		Enrollment Limit: 25								
		Lottery Preference(s): 15 spaces to first-year students, 10 spaces to others								
		1. Health Studies minors								
		2. Sophomores								
		3. Juniors								
		4. Seniors								
		<i>Attributes: B: Analysis of the Social World Health Studies Social Science</i>								
		1417	001	1.0	Lauren Minsky	T Th	11:30AM	12:55PM		0
<b>HLTH</b>	<b>H214B</b>	<b>Memoirs of Illness and Disability</b>								
		This seminar explores recent memoirs about a range of illnesses and disabilities written from the experiences of patients, family caregivers, and physicians. Our close reading will be attentive to both the personal/experiential and cultural/structural stories they tell.								
		Prerequisite(s): First-Year Writing Seminar								
		Enrollment Limit: 15								
		Lottery Preference(s): Health Studies minors								
		<i>Attributes: A: Meaning, Interpretation (Texts) Health Studies Humanities</i>								
		2606	001	1.0	Carol Schilling	T Th	2:30PM	3:55PM		0
<b>HLTH</b>	<b>H219B</b>	<b>Breathing Together: Air, Capitalism, and Health</b>								
		This course explores the history of public health approaches to the properties, pathogenic potential, and politics of shared air. We ask what it means to breathe together—as humans in a global economic system—at multiple scales, from interpersonal to institutional, industrial, and imperial. Topics include miasma, tuberculosis, industrial pollution, occupational health and gendered labor, household fuels, secondhand smoke, incinerators, megacities. Texts are drawn from history, public health, science and technology studies, geography, and anthropology.								
		Pre-requisite(s): HLTH H/B115, a health-related writing seminar, or at least one course in the humanities or social sciences								
		Lottery Preference: In descending order: 1. declared Health Studies minors 2. Sophomores 3. Anthropology majors and minors								
		4. Environmental Studies majors and minors								
		Enrollment Limit: 15.00								
		<i>Attributes: B: Analysis of the Social World Environmental Studies Health Studies Social Science</i>								
		2560	001	1.0	Anna M West	T Th	1:00PM	2:25PM		0
<b>HLTH</b>	<b>H227B</b>	<b>Health &amp; Expertise in Africa</b>								
		This class examines the politics of health in Africa with a focus on the diverse forms of health expertise practiced on the continent. We will consider the relationships between scientific and medical practices and broader political systems in Africa and the diaspora, investigate the interface between knowledge traditions emerging from within and outside the continent, and consider how experts attempt to intervene in the domain of health.								
		Pre-requisite(s): HLTH 115 or instructor consent								
		Lottery Preference: 1) declared health studies minors, 2) sophomores								
		Enrollment Limit: 25.00								
		<i>Attributes: B: Analysis of the Social World Health Studies Social Science</i>								
		2638	001	1.0	Damien Droney	T Th	1:00PM	2:25PM		0
<b>HLTH</b>	<b>H232B</b>	<b>Food, Health, &amp; Justice</b>								

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					<p>This class examines the complex connections between food, understandings of health, and social justice. The availability of sufficient, appealing, and healthy food is critical for human wellbeing, but what constitutes good food and what it means to thrive are each significantly shaped by social, cultural, and historical context. This class takes an interdisciplinary approach to situate food and health in their social and cultural contexts.                      Pre-requisite(s): HLTH 115 or instructor consent                      Lottery Preference: 1) declared health studies minors, 2) sophomores                      Enrollment Limit: 25.00                      Attributes: B: Analysis of the Social World Health Studies Social Science</p>						
		2639	001	1.0	Damien Droney	T Th	10:00AM	11:25AM		0	
<b>HLTH</b>	<b>H265B</b>	<b>Medical Anthropology</b>									
		<p>What does it mean to attempt a critical anthropology of the body, illness experience, disease etiology, healing practices, and the epistemology of contemporary biomedicine across a diverse group of cultures and traditions? This course seeks to begin to answer this and other questions by examining the historical development of the field of medical anthropology, exploring the theoretical and philosophical underpinnings of the debates that have shaped the field, and examining the methodological concerns and ethnographic investigations that have broadened the scope of its inquiry. Readings range from classical ethnographic writings, philosophical treatises, anthropological theory, indigenous philosophers, and first person accounts of illness and health.                      Enrollment Limit: 25                      Lottery Preference(s): 1.) Health Studies minors 2.) Anthropology majors and minors                      Attributes: B: Analysis of the Social World Health Studies Humanities</p>									
		1779	001	1.0	Michael D'Arcy	T Th	1:00PM	2:25PM		0	
<b>HLTH</b>	<b>H304B</b>	<b>Critical Disability Studies: Theory and Practice</b>									
		<p>An examination of work in critical disability studies across a range of humanistic disciplines and an exploration of how disability theory and engaged community practice inform and shape one another. Depending on Covid guidelines the course may include a semester-long project in partnership with the Center for Creative Works, a community artspace for artists with intellectual disabilities.                      Enrollment Limit: 15                      Lottery Preference: Health Studies seniors                      Attributes: A: Meaning, Interpretation (Texts) Health Studies Humanities Visual Studies</p>									
		1419	001	1.0	Kristin Anne Lindgren	T Th	2:30PM	3:55PM		0	
<b>HLTH</b>	<b>H316B</b>	<b>Making and Mistaking Race in American Medicine</b>									
		<p>This course examines the origins and development of American medical and scientific thinking about race. Drawing on histories of medicine, critical race theory, science and technology studies, sociology, and medical anthropology, we trouble the idea of race-as-biological-difference and explore the social construction of (pseudo)scientific knowledge about race, bodies, genes, and health. Students learn to historicize genomic and post-genomic discourses of racial difference, and develop communication strategies for confronting racial essentialism in medicine and public discourse.                      Pre-requisite(s): HLTH H115 or a 100-level course in Anthropology, Sociology, or History                      Lottery Preference: Senior Health Studies minors Junior Health Studies minors Africana Studies minors and concentrators Anthropology majors and minors                      Enrollment Limit: 15                      Attributes: Africana Studies B: Analysis of the Social World Health Studies Social Science</p>									
		2605	001	1.0	Anna M West	T Th	10:00AM	11:25AM		0	
<b>HLTH</b>	<b>H319B</b>	<b>Metabolic Disorders</b>									
		<p>Life and death are animated by metabolism – the biochemical conversion of gases and matter into energy, and the reverse. We learn the current biochemistry of metabolism, and how social scientists draw upon scientific models of metabolism to explain how societies power production and exchange in ways that generate collective life, growth, disease and death. We then study pandemics of “metabolic disorders”, including diabetes, cardiac disease, cancer, IBD, autism, ADHD, schizophrenia, Alzheimer’s, Parkinson’s and infertility.                      Pre-requisite(s): HLTH H115 or at least one course in the humanities or social sciences</p>									

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld
					Lottery Preference: 1) Health Studies minors – seniors; 2) Health studies minors – juniors; 3) students with health-related independent majors; 4) Environmental studies majors; 5) Environmental studies minors Enrollment Limit: 15.00 Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World C: Physical and Natural Processes Health Studies Social Science 2631 001 1.0 Lauren Minsky M W 11:30AM 12:55PM 0					
<b>HLTH</b>	<b>H320B</b>				<b>Biopolitics: The Governance of Life &amp; Death</b> Philosopher Michel Foucault described biopolitics as a kind of politics aimed at fostering life or disallowing it to the point of death. As such, this class considers “the politics of life itself.” After reading key texts in biopolitical theory, we will examine works by social scientists who analyze institutions and forms of expertise that take life as an object of knowledge or intervention in a variety of political and economic settings. Pre-requisite(s): HLTH 115 or instructor consent Lottery Preference: 1) declared health studies minors, 2) seniors Enrollment Limit: 15.00 Attributes: B: Analysis of the Social World Health Studies Social Science 2640 001 1.0 Damien Droney F 11:30AM 1:55PM 0					
<b>HLTH</b>	<b>H335B</b>				<b>The Anthropology of Ecstasy: Psyche, Soma, and the Out-of-Body</b> How should contemporary anthropology understand trance, possession, and ecstatic experience? Through course readings, we will interrogate normative understandings of the relationship between mind, body, and collective life via a range of classical and contemporary anthropological texts. Drawing upon diverse theoretical paradigms such as symbolic and structural anthropology, psychoanalysis, and phenomenology, we will explore the ways in which individual engagements with collective life act directly upon and constitute this mind/body interface, at times destabilizing it altogether. Crosslisted: HLTH. Pre-requisite(s): 200 level course in the social sciences Lottery Preference: I would prefer students who are majoring in anthropology and/or health studies be given preference. Enrollment Limit: 15.00 Attributes: B: Analysis of the Social World Health Studies Social Science 1777 001 1.0 Michael D'Arcy W 1:30PM 3:55PM 0					
<b>ICPR</b>	<b>H110J</b>				<b>Belonging and Becoming at Haverford College</b> This course creates a curricular space dedicated to acknowledging, exploring, and acting on diversity and inclusion as experienced (differently) by members of our community and working collaboratively toward greater equity. This course is graded universal P/F in which no numerical grade is assigned. Cross Listed: none Prerequisites: none Enrollment Limit: 10 (5 sections of 10 students) 1787 001 .5 0 1846 002 .5 0					
<b>ICPR</b>	<b>H114H</b>				<b>Design for All: Human-Centered Design in Practice</b> This course introduces the history, process and uses of human centered design. HCD is a methodology that emerges from several disciplines: cognitive psychology, art & design, and user design. It is a creative approach to problem-solving and the method used by many companies and organizations to design products and services that relate directly to the people they serve. Students will both learn the process and create their own projects. Lottery Preference: no preferences Enrollment Limit: 15.00 1822 001 .5 0					
<b>ICPR</b>	<b>H146I</b>				<b>Ethics and the Use of Mathematics, with a Focus on Anti-Racism</b> This half-credit seminar will explore what it means to “do math ethically”, to emphasize the ways in which mathematics is inherently political, and to think about anti-racism in mathematical disciplines. This course is graded P/F. Crosslisted: Independent College Programs, Mathematics					

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld
					Enrollment Limit: 12					
		1747	001	.5	Tarik Aougab	Th	10:00AM	11:25AM		0
<b>ICPR</b>	<b>H246B</b>	<b>Management and Leadership</b>								
		A study of the managerial functions of planning, organizing, leading and controlling resources to accomplish organizational goals. Focusing on leadership and ethics, this course will consider the role, skills, techniques and responsibilities of managers in business, non-profit, and other organizations.								
		Enrollment Limit: 25								
		Lottery Preference(s): Seniors, then juniors, then sophomores								
		<i>Attributes: B: Analysis of the Social World Social Science</i>								
		2670	001	1.0	Neal Grabell	M	1:30PM	3:55PM		0
<b>ICPR</b>	<b>H247B</b>	<b>Financial Accounting</b>								
		An introduction to financial accounting concepts, financial reporting, and managerial accounting. The course will address how accounting measures, records, and reports economic activities for business entities and how decision makers analyze, interpret, and use accounting information. COURSE MAY NOT BE USED TOWARDS THE ECONOMICS MAJOR or MINOR AT HAVERFORD.								
		Crosslisted: Economics, Independent College Programs								
		<i>Attributes: B: Analysis of the Social World Social Science</i>								
		1336	001	1.0	Neal Grabell	M	7:30PM	9:55PM		0
<b>ICPR</b>	<b>H271B</b>	<b>Comparative and Transnational Studies: From Kuala Lumpur to Kansas City</b>								
		How can comparative lenses on the one hand, and transnational lenses, on the other, make sense of a globalizing world and its workings? This course uses both lenses to understand the ways we live now. Also, the ideas and practices that shaped them. So we study, for example, how modernity was built by the Black Atlantic, by creolizing, and by different diasporas and their homelands. And how constitutionalisms in Spanish America and U. S. states resemble each other. Or how the Arab world and East Asia shared debates over dealing with Eurocentrism.								
		Enrollment Limit: 25								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Latin American, Iberian, and Latinx Studies Social Science</i>								
		1224	001	1.0	Thomas J. Donahue	W	1:30PM	3:55PM		0
<b>ICPR</b>	<b>H277B</b>	<b>Ethical Leadership in Business and the Professions</b>								
		Through an exploration of ethical theory and case studies, we will examine topics such as: the tension between compliance with the law and the profit motive, professional responsibility and detachment, the proper treatment of clients/patients, short-term vs. long-term benefits, the relevance of social benefits claims to business practice, doing "well" by doing "good", and the dilemma of ethical relativism in the world of international business.								
		Enrollment Limit: 25								
		1715	001	1.0						0
<b>ICPR</b>	<b>H295B</b>	<b>Quakers, War, and Slavery, 1646-1877</b>								
		In the 1640s and 50s, many Quakers believed that Christians should fight in wars; none of them (as far as we know) believed that Christians ought not own slaves. By 1723, most Quakers had renounced war; a good many of them had begun to assert that owning slaves was contrary to the will of God. Students in this course will try to determine how-and also why-Quakers changed their minds about war and slavery.								
		Crosslisted: Independent College Programs; Peace, Justice and Human Rights; Religion								
		Prerequisite(s): First Year Writing								
		Enrollment Limit: 15								
		Lottery Preference(s): Religion majors and PJHR concentrators								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Peace, Justice and Human Rights</i>								
		2590	001	1.0	David Harrington Watt	W	1:30PM	3:55PM		0
<b>ICPR</b>	<b>H480B</b>	<b>Independent Study</b>								
		1527	001	1.0						0
<b>ITAL</b>	<b>H002B_</b>	<b>Beginning Italian II</b>								



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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld
<p>This course is the continuation of ITAL001 and is intended for students who started studying Italian the semester before. It aims at making students be able to: (1) speak and write in Italian at an elementary level; (2) effectively communicate with other Italian-speaking people by giving advice, expressing desires, and sharing their opinions; (3) produce authentic works in Italian such as audio messages, social media posts, songs, etc.; (4) understand and comment on aspects of Italian culture in the target language; (5) refine intercultural communication skills.</p> <p>Classes are student-centered and designed to foster students' language skills, keeping in mind their different ways of learning. ITAL002 is based on five weekly 50 minute-sessions: four sessions with the instructor and one with a TA, to work on written and oral assignments and hone language communicative skills. This course promotes diversity, equity, and inclusion by adopting a free OER textbook.</p> <p>Prerequisites: ITAL001 or placement.</p> <p>Attributes: A: <i>Meaning, Interpretation (Texts)</i>    <i>Humanities</i></p>										
	1386	001	1.0	Daria Bozzato		M T W Th F	8:30AM	9:25AM		0
	1387	002	1.0	Daria Bozzato		M T W Th F	9:30AM	10:25AM		0
<b>JNSE</b>	<b>H002B</b>	<b>First-Year Japanese (Intensive)</b>								
<p>Class meets six hours per week. Students must register for sections 1, 2 or 3 and A, B or C. An introduction to the four basic skills (reading, writing, speaking, and listening), with special emphasis on the development of conversational fluency in socio-cultural contexts. This is a year-long course; both semesters (001&amp;002) are required for credit.</p> <p>Enrollment Limit: 18</p> <p>Attributes: A: <i>Meaning, Interpretation (Texts)</i>    <i>East Asian Languages and Cultures</i>    <i>Humanities</i></p>										
	1402	001	1.5	Tetsuya Sato		M W	8:30AM	9:55AM		0
	1403	002	1.5	Tetsuya Sato		M W	10:00AM	11:25AM		0
	1404	003	1.5	Yuka Usami Casey		M W	1:00PM	2:25PM		0
	1405	00A	.0	Kei Walsh		T Th	8:30AM	9:55AM		0
	1406	00B	.0	Minako Kobayashi		T Th	10:00AM	11:25AM		0
	1407	00C	.0	Minako Kobayashi		T Th	1:00PM	2:25PM		0
<b>JNSE</b>	<b>H004B</b>	<b>Second-Year Japanese</b>								
<p>Class meets five hours per week. Students must register for sections 1 or 2 and A or B. A continuation of first-year Japanese, with a focus on the further development of oral proficiency, along with reading and writing skills. (Students are not required to take both semesters.)</p> <p>Prerequisite(s): JNSE 003 or equivalent or instructor consent</p> <p>Attributes: A: <i>Meaning, Interpretation (Texts)</i>    <i>East Asian Languages and Cultures</i>    <i>Humanities</i></p>										
	1408	001	1.0	Kimiko Suzuki		M W	8:30AM	9:25AM		0
	1409	002	1.0	Kimiko Suzuki		M W	9:30AM	10:25AM		0
	1410	00A	.0	Yuka Usami Casey		T Th	10:00AM	11:25AM		0
	1411	00B	.0	Yuka Usami Casey		T Th	11:30AM	12:55PM		0
<b>JNSE</b>	<b>H102B</b>	<b>Third-Year Japanese</b>								
<p>Class meets three hours per week. A continuation of language study with further development of oral proficiency and reading/writing skills. Emphasis on reading and discussing simple texts. Advanced study of grammar and kanji; more training in opinion essay and report writing. Additional oral practice outside of the classroom expected.</p> <p>Prerequisite(s): JNSE 101 or equivalent or instructor consent</p> <p>Attributes: A: <i>Meaning, Interpretation (Texts)</i>    <i>East Asian Languages and Cultures</i>    <i>Humanities</i></p>										
	1400	001	1.0	Kimiko Suzuki		M W F	11:30AM	12:25PM		0
<b>JNSE</b>	<b>H201B</b>	<b>Advanced Japanese</b>								
<p>Class meets three hours per week. Continued training in modern Japanese, with particular emphasis on reading texts, mastery of the kanji, and expansion of vocabulary. Explores a variety of genres and text types using authentic materials.</p> <p>Prerequisite(s): JNSE 102 or equivalent or instructor consent</p> <p>Attributes: A: <i>Meaning, Interpretation (Texts)</i>    <i>East Asian Languages and Cultures</i>    <i>Humanities</i></p>										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
		1401	001	1.0	Tetsuya Sato	T Th	11:30AM	12:55PM		0
<b>LATN</b>	<b>H002B</b>	<b>Elementary Latin</b>								
Completion of the introduction to the Latin language, with readings in prose and poetry.										
Enrollment Limit: 18										
<i>Attributes: A: Meaning, Interpretation (Texts) Classics Humanities</i>										
		1494	001	1.0	Robert S Santucci	M W F	10:30AM	11:25AM		0
		1154	002	1.0	Robert S Santucci	M W F	9:30AM	10:25AM		0
<b>LATN</b>	<b>H104B</b>	<b>Introduction to Latin Literature: Friends and Enemies of Rome</b>								
This is both an intermediate Latin course and an introduction to the study of Latin literature and culture. Readings will span a range of works in prose and poetry, including inscriptions and other material evidence for Roman culture. The focus of inquiry will be on understanding Roman identity—their hopes, fears, achievements, and follies—by studying how they described friendship and their friends, and those enemies who resisted the Roman order, from the founding of the city, through its near destruction by Hannibal, and its cannibalization during the Civil Wars. The course will conclude with a brief historical simulation in which you will debate the fate of Rome as a Roman senator.										
Prerequisite(s): LATN 102 or equivalent, or instructor consent										
<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>										
		1155	001	1.0	Ryan Warwick	T Th	10:00AM	11:25AM		0
<b>LATN</b>	<b>H206B</b>	<b>Advanced Latin Literature: Postclassical Latin</b>								
An investigation of one or more historical, cultural, or literary questions drawn from the 95% of Latin literature that was produced after Classical antiquity. We will read a variety of texts, in different genres and from various times. Recent topics have included: centonic literature, the epistolary exchange between Abelard and Heloise, the Latin of New Spain, and Philadelphia Latin.										
Prerequisite(s): Two semesters of 100-level Latin, or instructor consent										
Enrollment Limit: 25										
<i>Attributes: A: Meaning, Interpretation (Texts) Classics Humanities</i>										
		2658	001	1.0	Bret Mulligan	T Th	10:00AM	11:25AM		0
<b>LING</b>	<b>H101B</b>	<b>Introduction to Linguistics</b>								
An introductory survey of linguistics as a field. This course examines the core areas of linguistic structure (morphology, phonology, syntax, semantics), pragmatics, and language variation in relation to language change. The course provides rudimentary training in the analysis of language data, and focuses on the variety of human language structures and on the question of universal properties of language.										
Enrollment Limit: 25, 10 spaces reserved for incoming first year students										
Lottery Preference(s):										
(1) Sr. Ling Majors										
(2) Jr. Ling Majors										
(3) Sr. Ling Minors										
(4) Jr. Ling Minors										
(5) Neuroscience majors/minors										
(6) sophomores										
(7) first years										
(8) everyone else (jrs/seniors)										
<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities</i>										
		1626	001	1.0	Noah Elkins	M W	1:00PM	2:25PM		0
<b>LING</b>	<b>H115B</b>	<b>Phonetics and Phonology</b>								
This course investigates the sound patterns found in human languages. Phonetics is the study of these patterns from a physical and perceptual perspective while phonology is the study of sound patterns from a cognitive perspective. Activities in the class will expose students to the methodologies used by both perspectives (articulatory description and acoustic analysis for phonetics and formal theoretical models for phonology) and show the necessity and utility of both approaches in understanding the nature of sound patterns in human language.										
Enrollment Limit: 25										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
Lottery Preference(s): (1) Sr. Ling Majors (2) Jr. Ling Majors (3) Sr. Ling Minors (4) Jr. Ling Minors (5) Neuroscience minors (6) sophomores (7) first years (8) everyone else (jrs/seniors)										
<i>Attributes: B: Analysis of the Social World Humanities Symbolic Reasoning</i> 1423 001 1.0 Noah Elkins M W 10:00AM 11:25AM 0										
<b>LING</b>	<b>H204B</b>	<b>Topics in Introductory Programming: Language and Computation</b>								
A general introduction to computer programming, in the context of its application to a specific discipline such as Data Analysis or Bioinformatics. Prerequisite for CMSC 107, along with discipline-specific analysis. Not for students who have completed CMSC 105 and/or 107. This course is equivalent to CMSC 104. Prerequisite(s): LING H101, H113, or H115 Enrollment Limit: 24 Lottery Preference(s): Linguistics majors and minors <i>Attributes: C: Physical and Natural Processes Natural Science Quantitative Symbolic Reasoning</i>										
2269 001 1.0 Jane Chandlee M W 2:30PM 3:55PM 0										
2852 00A .0 Suzanne Lindell W 9:00AM 9:55AM 0										
2853 00B .0 Suzanne Lindell Th 1:00PM 1:55PM 0										
<b>LING</b>	<b>H216B</b>	<b>The Structure of Mam</b>								
Mam is a Mamean-branch Mayan language spoken predominantly in Guatemala, although smaller communities exist in Mexico and the United States. In this course, we examine Mam in depth, covering topics from phonetics, phonology, morphology, syntax, semantics, dialectal variation, and sociolinguistics. This course will afford students the opportunity to study a non-Indo-European language systematically while contributing to research on this underdocumented language. Pre-requisite(s): (LING H113 OR LING B113 OR LING S050) AND (LING 101 OR LING 114 OR LING 115 OR instructor permission) Enrollment Limit: 15.00 <i>Attributes: B: Analysis of the Social World Social Science</i>										
2891 001 1.0 Noah Elkins Th 1:30PM 3:55PM 0										
<b>LING</b>	<b>H282B</b>	<b>Structure of Chinese</b>								
This course is designed to acquaint students with both the syntactic and semantic structures of Mandarin Chinese and the theoretical implications they pose to the study of natural language. Students will have an opportunity to further their understanding of linguistic theories and to develop skills in analyzing a non-Indo-European language systematically. Enrollment Limit: 16 Prerequisite(s): At least two of the following: LING 101, 113, 114, or consent of the instructor. Priority to seniors and juniors. (Knowledge of Chinese is NOT required.) <i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science</i>										
1424 001 1.0 Shizhe Huang F 1:30PM 3:55PM 0										
<b>LING</b>	<b>H295B</b>	<b>Seminar in Syntax</b>								
A course designed to both provide theoretical and empirical breadth in advanced topics not covered in the introductory syntax courses, as well as introduce students to new ideas and recent developments in the field. Topics vary from semester to semester. Prerequisite(s): LING H113 or LING S050 <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>										
2674 001 1.0 Amanda Payne T 1:30PM 3:55PM 0										
<b>LING</b>	<b>H399B</b>	<b>Senior Thesis Seminar</b>								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld	
					This seminar exposes students to linguistic research methods and guides them through the conceptualization of a topic, the research, and the writing of a senior thesis. All linguistics majors must write their senior thesis in this seminar or Ling S100 or S195. Enrollment limited to 15 students, Senior linguistics majors only.						
					<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities</i>						
		1425	001	1.0	Jane Chandlee	F	1:30PM	3:55PM		0	
<b>MATH</b>	<b>H103B</b>	<b>Introduction to Probability and Statistics</b>									
		Basic concepts and methods of elementary probability and quantitative reasoning, with practical applications. Topics include: sample average and standard deviation, normal curves, regression, expected value and standard error, confidence intervals and hypothesis tests.									
		Crosslisted: Mathematics, Statistics									
		Prerequisite(s): Not open to students who have (a) placed into 121 or higher, (b) taken 118 or higher, (c) taken any other introductory statistics class at Haverford or Bryn Mawr, (d) received a score of 4 or 5 on the AP Statistics exam									
		Enrollment Limit: 30									
					<i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i>						
		2458	001	1.0	David Lippel	M W	1:00PM	2:25PM		0	
<b>MATH</b>	<b>H118B</b>	<b>Calculus: Dynamics and Integration</b>									
		A study of the evolution of systems defined by difference and differential equations. Methods of analysis come from calculus: the limit, the derivative, and the integral from numerical, graphical, and symbolic perspectives. Not open to students placing into Math 121 or higher, except with instructor permission.									
		Prerequisite(s): MATH 105 or placement. Not open to students with credit for MATH B102 (Calculus II) or equivalent, except with instructor consent									
		Enrollment Limit: 24									
					<i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i>						
		1649	001	1.0	Anthony Kling	M W	10:00AM	11:25AM		0	
		1650	002	1.0	Anthony Kling	M W	11:30AM	12:55PM		0	
<b>MATH</b>	<b>H121B</b>	<b>Multivariable Calculus</b>									
		An introduction to functions of several variables, vector geometry, partial derivatives, optimization, Taylor's Theorem, multiple integrals, line integrals, and Green's and Stokes' Theorems.									
		Prerequisite(s): MATH 118 or equivalent placement, or instructor consent. Not open to students who have previously taken multivariable calculus at the college level, either at Haverford or elsewhere, except with instructor consent.									
		Enrollment Limit: 24									
					<i>Attributes: Biophysics C: Physical and Natural Processes Natural Science Quantitative</i>						
		1434	001	1.0	Tianyuan Xu	M W F	9:30AM	10:25AM		0	
		1435	002	1.0	Tianyuan Xu	M W F	10:30AM	11:25AM		0	
		1451	003	1.0	Tianyuan Xu	M W F	12:30PM	1:25PM		0	
<b>MATH</b>	<b>H146I</b>	<b>Ethics and the Use of Mathematics, with a Focus on Anti-Racism</b>									
		This half-credit seminar will explore what it means to "do math ethically", to emphasize the ways in which mathematics is inherently political, and to think about anti-racism in mathematical disciplines.									
		This course is graded P/F.									
		Crosslisted: Independent College Programs, Mathematics									
		Enrollment Limit: 12									
		1731	001	.5	Tarik Aougab	Th	10:00AM	11:25AM		0	
<b>MATH</b>	<b>H199I</b>	<b>First-Year Seminar: Mathematics Beyond Calculus</b>									
		Half-credit course designed to introduce and convey the flavor of mathematics beyond the introductory core sequence in calculus and linear algebra. A selection of topics will be covered, varying from year to year.									
		Prerequisite(s): MATH 215 is a pre- or co-requisite, or instructor consent									
		Enrollment Limit: 15									
		Lottery Preference(s): Priority to first year students									
					<i>Attributes: C: Physical and Natural Processes Natural Science Quantitative Visual Studies</i>						

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
		2464	001	.5	Elizabeth Townsend Milicevic	M	2:30PM	3:55PM		0
<b>MATH</b>	<b>H203B</b>	<b>Statistical Methods and their Applications</b>								
An introduction to statistical methods used to analyze data in the natural and social sciences. It covers descriptive statistics, the binomial and normal distributions, expected value and variance, confidence intervals and hypothesis testing, comparison of two samples, regression, and analysis of variance. A required computer lab, using R, is taught alongside this course.										
Crosslisted: Mathematics, Statistics										
Prerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instructor consent. Students who have taken another introductory statistics course at Haverford or Bryn Mawr may only enroll in STAT 203 with instructor consent										
Enrollment Limit: 20										
Attributes: C: Physical and Natural Processes Natural Science Quantitative										
		1436	001	1.0	Lynne M. Butler	M W	11:30AM	12:55PM		0
		1447	00A	.0	Lynne M. Butler	F	11:30AM	12:55PM		0
<b>MATH</b>	<b>H204B</b>	<b>Differential Equations</b>								
An introduction to the theory of ordinary differential equations (ODEs) including algebraic techniques for solving a single ODE or a linear system of ODEs, numerical techniques for generating approximate solutions, geometric techniques for displaying solutions to understand their behavior, analyzing nonlinear systems, and some key theorems (such as existence and uniqueness of solutions). The focus of this course will be on applications of the methods and solving real systems.										
Prerequisite(s): MATH 121 or MATH 215 (or 216) or consent of instructor.										
Enrollment Limit: 25										
Attributes: C: Physical and Natural Processes Natural Science Quantitative										
		2465	001	1.0	Rebecca Everett	M W	10:00AM	11:25AM		0
<b>MATH</b>	<b>H215B</b>	<b>Linear Algebra</b>								
An abstract introduction to linear algebra, focusing on proof techniques. Topics covered include: vector spaces, linear transformations and matrices, determinants, eigenvalue problems, quadratic forms, and the spectral theorem.										
Prerequisite(s): MATH 121 or equivalent placement, or 118 with instructor consent, or CMSC 231										
Enrollment Limit: 30										
Attributes: C: Physical and Natural Processes Natural Science Quantitative										
		1437	001	1.0	Mehdi Abdi Anbouhi	M W F	8:30AM	9:25AM		0
		1438	002	1.0	Mehdi Abdi Anbouhi	M W F	9:30AM	10:25AM		0
		2479	00A	.0	Mehdi Abdi Anbouhi	Th	9:00AM	9:55AM		0
		2480	00B	.0	Mehdi Abdi Anbouhi	Th	10:00AM	10:55AM		0
<b>MATH</b>	<b>H216B</b>	<b>Multivariable Calc using Linear Algebra</b>								
Calculus in n-dimensional Euclidean space: continuous and differentiable functions, extreme value problems, multiple integration, line and surface integrals, parametrized surfaces, Green's, Gauss' and Stokes' Theorems. Tools from linear algebra are used to formulate general statements of definitions, theorems and proofs.										
Prerequisite(s): Not open to students who have previously taken multivariable calculus at the college level, either at Haverford or elsewhere, except with instructor permission. Requires a strong background in single-variable calculus and a course in linear algebra, or instructor consent										
Enrollment limit: 25										
Attributes: Biophysics C: Physical and Natural Processes Natural Science Quantitative										
		1736	001	1.0	Joshua Sabloff	M W F	10:30AM	11:25AM		0
<b>MATH</b>	<b>H222B</b>	<b>Scientific Computing: Continuous Systems</b>								
A survey of major algorithms in modern scientific computing, with a focus on continuous problems. Topics include numerical differentiation and integration, numerical linear algebra, root-finding, optimization, Monte Carlo methods, and discretization of differential equations. Basic ideas of error analysis are presented. Regular computer work in class introduces students to the software package Matlab, in which the algorithms are implemented and applied to various problems in the natural and social sciences.										
Crosslisted: Mathematics, Computer Science										

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld	
					Prerequisite(s): Math 121						
					Enrollment Limit: 25						
					Attributes: C: Physical and Natural Processes Natural Science Quantitative Scientific Computing						
		2460	001	1.0	Rebecca Everett	M W	1:00PM	2:25PM		0	
<b>MATH</b>	<b>H317B</b>	<b>Analysis I</b>									
		A rigorous development of topics in calculus, including the axioms of the real number line, cardinality, convergence of sequences, point-set topology (open/closed sets, compactness, connectedness), continuity, differentiability, and the Riemann integral. The course also has a major focus on the writing of clear and correct mathematical proofs.									
		Prerequisite(s): MATH 215 and either 121 or 216, or instructor consent									
		Enrollment Limit: 25									
					Attributes: C: Physical and Natural Processes Natural Science Quantitative						
		2466	001	1.0	Joshua Sabloff	M W F	11:30AM	12:25PM		0	
<b>MATH</b>	<b>H328B</b>	<b>Mathematical Statistics</b>									
		An introduction to mathematical theory of statistics. Topics include: Estimation, Hypothesis Testing, one-sample inference, two-sample inference, and regression. Additional topics may include: goodness-of-fit tests and analysis of variance.									
		Crosslisted: Mathematics, Statistics									
		Prerequisite(s): MATH 218									
		Attributes: C: Physical and Natural Processes Natural Science									
		2462	001	1.0	Weiwen Miao	T Th	10:00AM	11:25AM		0	
<b>MATH</b>	<b>H333B</b>	<b>Algebra I</b>									
		A rigorous treatment of fundamental algebraic structures. Topics include: introduction to groups, modular arithmetic, polynomials, rings, fields, Galois theory, vector spaces, and modules.									
		Prerequisite(s): MATH 215 and either 121 or 216, or instructor consent									
		Enrollment Limit: 25									
					Attributes: C: Physical and Natural Processes Natural Science Quantitative						
		2467	001	1.0	Elizabeth Townsend Milicevic	M W F	9:30AM	10:25AM		0	
<b>MATH</b>	<b>H345B</b>	<b>Theory of Computation</b>									
		Introduction to the mathematical foundations of computer science: finite state automata, formal languages and grammars, Turing machines, computability, unsolvability, and computational complexity. Attendance at the weekly discussion section is required.									
		Crosslisted: Computer Science, Mathematics									
		Prerequisite(s): (CMSC 106, 107, 151, or 206) and CMSC 231, and junior or senior standing, or instructor consent									
		Enrollment Limit: 24									
		Lottery Preference(s):									
		1) Senior CS majors									
		2) Senior CS minors									
		3) Junior CS majors and senior CS concentrators									
		4) Sophomores and first-year students									
		5) Others									
					Attributes: C: Physical and Natural Processes Natural Science						
		1189	001	.0	Yuxin Zhou	M W	10:00AM	11:25AM		0	
		1188	00A	1.0	Yuxin Zhou					0	
<b>MATH</b>	<b>H360B</b>	<b>Mathematical Economics</b>									
		A study of advanced mathematical tools used in economic analysis. Topics include eigenvalues and quadratic forms, differential equations, convex programming and dynamic programming. Applications to consumer theory, generalized linear regression, stability of equilibrium, and models of growth and search. Fulfills Mathematic Economics (MTEC) concentration.									
		Crosslisted: Economics, Mathematics									
		Prerequisite(s): MATH 215; either MATH 121 or 216; ECON 203 or 204 or MATH 203 or SOCL 215 or PSYCH 200 or Bryn Mawr's ECON B253 recommended									

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld
<i>Attributes: C: Physical and Natural Processes Mathematical Economics Quantitative Social Science</i>										
		2419	001	1.0	Giridhar Parameswaran	T	10:00AM	12:55PM		0
<b>MATH</b>	<b>H361B</b>	<b>Applied Multivariate Statistical Analysis</b>								
An introduction to multivariate statistical analysis. The course includes methods for choosing, fitting, and evaluating multiple regression models and analysis of variance models. A required computer lab, using R, is taught alongside this course.										
Crosslisted: Mathematics, Statistics										
Prerequisite(s): MATH 215 and one of the following: ECON 204, MATH 203, PSYC 200, SOCL 215										
Enrollment Limit: 15										
Lottery Preference(s): Math majors with statistics focus, then statistics minors, then by seniority										
<i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i>										
		2469	001	1.0	Weiwen Miao	M W	2:30PM	3:55PM		0
		2470	00A	.0	Weiwen Miao	F	2:30PM	3:55PM		0
<b>MATH</b>	<b>H391B</b>	<b>Advanced Topics in Geometry and Topology</b>								
Topics vary. Prerequisite: MATH 215										
Enrollment limit: 15										
<i>Attributes: C: Physical and Natural Processes Natural Science</i>										
		2468	001	1.0	Tarik Aougab	M W	2:30PM	3:50PM		0
<b>MATH</b>	<b>H399I</b>	<b>Senior Seminar</b>								
Seminar for students writing senior papers, dealing with the oral and written exposition of advanced material.										
<i>Attributes: Natural Science</i>										
		1448	001	.5	Joshua Sabloff	F	1:30PM	3:55PM		0
<b>MATH</b>	<b>H400I</b>	<b>Senior Research</b>								
Work on Senior Thesis with Advisor.										
<i>Attributes: Natural Science Quantitative</i>										
		1441	001	.5	Rebecca Everett					0
		1442	002	.5	Lynne M. Butler					0
		1443	003	.5	Joshua Sabloff					0
		1444	004	.5	Elizabeth Townsend Milicevic					0
		1445	005	.5	Tarik Aougab					0
		1446	006	.5	David Lippel					0
		1452	007	.5	Mehdi Abdi Anbouhi					0
		1453	008	.5	Anthony Kling					0
		2789	009	.5	Walter Rees Stromquist					0
<b>MATH</b>	<b>H460B</b>	<b>Teaching Assistant</b>								
		1455	001	1.0						0
<b>MATH</b>	<b>H480B</b>	<b>Independent Study</b>								
		1449	001	1.0						0
		1450	002	1.0						0
		1569	003	1.0						0
<b>MATH</b>	<b>H480I</b>	<b>Independent Study</b>								
		1454	001	.5						0
<b>MUSC</b>	<b>H102I</b>	<b>Chorale</b>								

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld
<p>Chorale is a large mixed chorus that performs major works from the oratorio repertoire with orchestra and student soloists. Attendance at weekly two-hour rehearsals and dress rehearsals during performance week is required. Entrance by audition. Students can start Chorale at the beginning of any semester. This course is graded universal P/F in which no numerical grade is assigned. Prerequisite(s): Audition and consent of the instructor. Attributes: Humanities</p>										
	1268	001	.5		Scott AuCoin	W	7:00PM	9:15PM	ROB100	0
<b>MUSC</b>	<b>H110B</b>	<b>Introduction to Music Theory</b>								
<p>An intensive introduction to the notational and theoretical materials of music, complemented by work in sight-singing, keyboard harmony, and dictation. This course is appropriate for students who sing or play an instrument, but who have had little or no systematic instruction in music theory. Topics include time and pitch and their notation, scales, intervals, triads, basic harmonic progressions, melodic construction, harmonization of melody, non-harmonic tones, transposition, and key change (modulation). Students who wish to explore the art of musical composition will find this course especially useful, as two creative projects are assigned: the composition of a pair of melodies in the major and minor modes, and a 32-bar piece which changes key. Preparation for these projects is provided through listening and analysis of works in a variety of musical styles. Students having completed this course will be prepared to enter Music 203, the first semester of the theory sequence for music majors. Attributes: A: Creative Expression Humanities</p>										
	1281	001	1.0		TBA Department staff	T Th	10:00AM	11:25AM	ROB200	0
<b>MUSC</b>	<b>H122B</b>	<b>African Americans, Music, and the American Experience</b>								
<p>How did African-American expressive culture become such an influential presence in the US? This course surveys the myriad genres and styles of African American Music from early jazz styles and urban blues to the birth of rhythm 'n blues, as well as contemporary expressions such as hip-hop. It explores development and impact of popular music particular to the United States, including its commercialization, mass mediation, and the penetration of mainstream America and the global market. Students will be introduced to seminal figures in the creation of African American popular music. Enrollment Limit: 25.00 Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities</p>										
	2780	001	1.0		Edwin Porras	M W	10:00AM	11:25AM		0
<b>MUSC</b>	<b>H132B</b>	<b>Beethoven Then and Now</b>								
<p>An exploration of Beethoven's life and works, considered in the context of changing aesthetic and cultural values of the last two centuries. Students will listen to Beethoven's music, study his letters and conversation books, and read some of the many responses his art has engendered. In their written responses to all of this material, students will think in new ways about Beethoven's music, his artistic personality, about the ideas and assumptions that have guided the critical reception of art and life. They will learn to cultivate their skills as readers and listeners while improving their craft as writers. Open only to first-year students as assigned by the Director of College Writing. Crosslisted: Music, Writing Program Enrollment Limit: 12 Attributes: First Year Writing</p>										
	2476	001	1.0		Richard Freedman	M W	2:30PM	3:55PM	ROB200	0
<b>MUSC</b>	<b>H134B</b>	<b>Electronic Music Evolution: From Foundational Basics to Sonic Horizons</b>								
<p>Electronic music, a constantly evolving entity, has revolutionized the way we create and experience music. This course, Electronic Music Evolution, offers a deep dive into its history, theory, and practical application. From the Telharmonium's inception to contemporary interactive performances, students will develop critical listening skills. Hands-on use of cutting-edge production tools will enable students to compose electronic music works, exploring composition and performance alongside emerging electronic music theories. This course does not count for the Music major or minor. Lottery Preference: Music major / Music minor Enrollment Limit: 15.00 Attributes: A: Creative Expression Humanities</p>										
	2869	001	1.0		Mei-ling Lee	T Th	11:30AM	12:55PM		0
<b>MUSC</b>	<b>H140B</b>	<b>Musical Cultures of the World: an Ethnomusicological Journey</b>								



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<p>This course provides an overview of the world's musical traditions, with selected case studies from each of ten regions: Oceania, South Asia, East Asia, Southeast Asia, the Middle East, North America, Europe, Africa, the Caribbean, and Latin America. It introduces ways to think and write about the huge diversity of musical genres from different parts of the world, together with their performers, audiences, and cultural contexts.                      Enrollment Limit: 25.00                      Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, Iberian, and Latinx Studies</p>										
		2491	001	1.0	Edwin Porras	M W	1:00PM	2:25PM	ROB200	0
<b>MUSC</b>	<b>H204B</b>	<b>Principles of Tonal Harmony II</b>								
<p>Continuation of Music 203, covering chromatic harmony and focusing on the development of sonata forms from the Classical through the Romantic period. Composition of a sonata exposition is the final project. Three class hours plus laboratory period covering related aural and keyboard harmony skills. Required for the Music major or minor; should be taken the semester after Music 203. Prerequisite: Music 203.                      Attributes: A: Creative Expression Humanities</p>										
		1269	001	1.0	Mei-ling Lee	T Th	2:30PM	3:55PM	ROB200	0
<b>MUSC</b>	<b>H208I</b>	<b>Private Study: Instrumental</b>								
<p>All students enrolled in the private study program should be participating in a departmentally directed ensemble or activity (Chorale, Orchestra, etc.) as advised by their program supervisor. Students receive ten hour-long lessons with approved teachers for one-half credit, graded. All students in the private study program perform for a faculty jury at the end of the semester. Students assume the cost of their lessons, but may apply for private study subsidies at the beginning of each semester's study through the department.                      Attributes: A: Creative Expression Humanities</p>										
		1273	001	.5	Heidi Carolyn Jacob					0
<b>MUSC</b>	<b>H209I</b>	<b>Private Study: Voice</b>								
<p>All students enrolled in the private study program should be participating in a departmentally directed ensemble or activity (Chorale, Orchestra, etc.) as advised by their program supervisor. Students receive ten hour-long lessons with approved teachers for one-half credit, graded. All students in the private study program perform for a faculty jury at the end of the semester. Students assume the cost of their lessons, but may apply for private study subsidies at the beginning of each semester's study through the department.                      Attributes: A: Creative Expression Humanities</p>										
		1274	001	.5	Scott AuCoin					0
<b>MUSC</b>	<b>H210I</b>	<b>Private Study: Keyboard</b>								
<p>All students enrolled in the private study program should be participating in a departmentally directed ensemble or activity (Chorale, Orchestra, etc.) as advised by their program supervisor. Students receive ten hour-long lessons with approved teachers for one-half credit, graded. All students in the private study program perform for a faculty jury at the end of the semester. Students assume the cost of their lessons, but may apply for private study subsidies at the beginning of each semester's study through the department.                      Attributes: A: Creative Expression Humanities</p>										
		1280	001	.5	Heidi Carolyn Jacob					0
<b>MUSC</b>	<b>H214I</b>	<b>Chamber Singers</b>								
<p>A 30-voice mixed choir that performs a wide range of mostly a cappella repertoire from the Renaissance to the present day, in original languages. The choir performs on and off campus, both public concerts and outreach concerts to underserved audiences. Requires attendance at three 80-minute rehearsals weekly. Entrance by audition at the beginning of the Fall semester each year. This course is graded universal P/F in which no numerical grade is assigned.                      Attributes: Humanities</p>										
		1270	001	.5	Scott AuCoin	M Th	4:40PM	6:20PM		0
<b>MUSC</b>	<b>H215I</b>	<b>Chamber Music</b>								
<p>Intensive rehearsal of works for small instrumental groups, with supplemental assigned research and listening. Performance is required. Students enrolled in Chamber Music have the opportunity to receive coaching from visiting artists on the Concert Artist Series and from resident ensembles. Performances take place at Haverford and Bryn Mawr Colleges, and other community venues. This course is available to those students who are concurrently studying privately, or who have studied</p>										

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					privately immediately prior to the start of the semester. In addition, all students playing orchestral instruments must participate concurrently in the Orchestra, unless granted permission by the music director. Entrance by audition only. This course is graded universal P/F in which no numerical grade is assigned.								
					<i>Attributes: Humanities</i>								
					1271	001	.5		Heidi Carolyn Jacob	0			
<b>MUSC</b>	<b>H216I</b>	<b>Orchestra</b>											
					The Haverford-Bryn Mawr Orchestra has over seventy members and performs a wide range of symphonic repertory. Orchestra members are expected to attend one two-and-a-half hour rehearsal per week, and are guided in sectional rehearsals by professional musicians. There are three/four performances a year, including Parents/Family Weekend concerts. The spring Orchestra concert features the winner of the annual student concerto competition. Entrance by audition only. This course is graded universal P/F in which no numerical grade is assigned.								
					1272	001	.5		Heidi Carolyn Jacob	0			
									Th	7:00PM	9:25PM	ROB100	0
<b>MUSC</b>	<b>H243B</b>	<b>Ethnomusicology in Theory and Practice</b>											
					What do ethnomusicologists do? This course is an introduction to the field of ethnomusicology. It surveys its history, examines various ethnomusicological theories and perspectives, and explores its methodologies. We will read and discuss the works of major ethnomusicological scholars and explore the interdisciplinary nature of the field, particularly in connection with musicology, anthropology, and cultural studies. In order to encourage a deeper understanding of ethnomusicological perspectives and methods, the course includes a fieldwork-related project.								
					<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>								
					2561	001	1.0		Edwin Porras	0			
									T Th	1:00PM	2:25PM		0
<b>MUSC</b>	<b>H251B</b>	<b>Strange Music: Monsters, Ghosts, and Aliens on Stage and Screen</b>											
					Scholars of film often speak of the camera as an "all-seeing eye." But what role does the ear play in cinematic experience? This course will explore the history, character, and function of music (and sound) in the first half of the twentieth century (and beyond): how they worked with (and against) the camera's gaze to complicate narratives, to articulate time, and more generally to represent feeling and identity. This term will put special focus on the non-human: monsters, ghosts, aliens, and more generally the idea of the magical or supernatural. What does such radical Otherness sound like? How has it been represented musically? And how have composers and sound designers put such conventions to work in films of the last 100 years, from Metropolis and Nosferatu to Dune and Arrival? To answer these questions we'll explore the silents, the early sound film and (especially) the long arc of composers (from Eric Korngold to Bernard Herrmann and from John Williams to Hans Zimmer. We'll consider the legacy of Romanticism, the possibilities of Modernism, and even the Avant Garde, and learn about orchestration, harmony and thematic process as they contribute to cinematic narrative. We will also consider various theories of sound, music, and film staked out by film and operatic composers themselves, as well as critical and scholarly essays by leading writers on the monstrous, the alien, and the supernatural.								
					Prerequisite(s): Music 203 or equivalent knowledge of music theory.								
					<i>Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies</i>								
					2492	001	1.0		Richard Freedman	0			
									M W	11:30AM	12:55PM	ROB200	0
<b>MUSC</b>	<b>H480B</b>	<b>Independent Study</b>											
					Prerequisite(s): Approval of department and consent of instructor.								
					<i>Attributes: Humanities</i>								
					1275	001	1.0		Richard Freedman	0			
					1276	002	1.0		Edwin Porras	0			
					1277	003	1.0		Heidi Carolyn Jacob	0			
					1279	004	1.0		TBA Department staff	0			
<b>NEUR</b>	<b>H100B</b>	<b>Introduction to Neuroscience</b>											
					Neuroscience is an interdisciplinary field that seeks to understand the structure and functions of nervous system. Topics include evolution and development of the nervous system, neuroimaging and anatomy, neurophysiological basis of learning and memory, cognitive-behavioral development, and sensation and perception.								
					Prerequisite(s): This course is not open to students who have previously taken HC Psych 217, HC Psych 260, or BMC Psych 218								
					Enrollment Limit: 35								
					Lottery Preference(s): 15 spaces reserved for first years.								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
					<i>Attributes: C: Physical and Natural Processes Natural Science</i>					
		1383	001	1.0	Patrese Robinson-Drummer	T Th	8:30AM	9:55AM		0
		2821	002	1.0	Emily Black	M W	8:30AM	9:55AM		0
<b>NEUR</b>	<b>H398B</b>	<b>Sr Thesis Neuroscience</b>								
		Sr Thesis Neuroscience								
		2507	001	1.0	Laura E. Been					0
		2508	002	1.0	Rebecca Compton					0
		2509	003	1.0	Robert Fairman	F	1:00PM	2:55PM		0
		2510	004	1.0	Roshan Jain					0
		2511	005	1.0	Patrese Robinson-Drummer					0
<b>NEUR</b>	<b>H399B</b>	<b>Neuroscience Senior Capstone</b>								
		This course will survey empirical studies from several subdisciplines within the field of neuroscience (eg behavioral, cognitive, computational, molecular, etc) that advance our understanding of the brain. Through exposure to a diversity of approaches, it is hoped that students will be reminded that the boundaries that define the disciplines of neuroscience are blurred, and that it is the language of all these subdisciplines, that continue the advance of modern neuroscience. Each section of the course (defined by a given subdiscipline and relevant empirical articles) will culminate with a visit from a current researcher in that subdiscipline whose studies continue to advance our understanding of the brain. The visiting researcher will lead an in-class discussion about their research, as well as the path they took to get to their current position.								
		2787	001	1.0	Robert Fairman	W	1:30PM	3:55PM		0
<b>PEAC</b>	<b>H101B</b>	<b>Intro to Peace, Justice and Human Rights</b>								
		Introduction to the study of peace, justice and human rights, surveying philosophies of rights and justice; approaches to (and reasons for) peace, war, and nonviolence; clashes between human rights and conflict resolution; why study of human rights is necessarily interdisciplinary. Enrollment Limit: 25 Lottery Preferences: 10 seats for incoming first-year students; PJHR concentrators and sophomores. <i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Peace, Justice and Human Rights Social Science</i>								
		1458	001	1.0	Joshua Ramey	M W	10:00AM	11:25AM		0
<b>PEAC</b>	<b>H105H</b>	<b>Global Solidarity and Local Actions: Interdependence, Intercultural Understanding, Social Change</b>								
		This course considers a civics of interdependence. We have a role to play, but who are "we," what role is that, and what ideas, methods, and skills might help us take action for more just, inclusive, sustainable communities? We take up this analytical challenge and the action-oriented disposition it suggests, through consideration of key concepts in local-global civic inquiry and action - through the lens of the Philadelphia region and broader national and international partnerships. Pre-requisite(s): Students must be selected for a summer CPGC Fellowship. Enrollment Limit: 15.00 <i>Attributes: Peace, Justice and Human Rights Social Science</i>								
		2874	001	.5	Janice Anne Lion					0
<b>PEAC</b>	<b>H201B</b>	<b>Applied Ethics of Peace, Justice and Human Rights</b>								
		This course surveys major legal and ethical theories with a view to helping students understand arguments about peace, justice and human rights and formulate their own creative approaches to ethical problems. Theories will be applied to concrete problems of justice. No prerequisites. Enrollment Limit: 25 Lottery Preference: PJHR concentrators, then first-year students and sophomores <i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Health Studies Humanities International Studies Peace, Justice and Human Rights</i>								

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		1459	001	1.0	Jill Stauffer	T Th	11:30AM	12:55PM		0
<b>PEAC</b>	<b>H211B</b>	<b>Decolonial Theory: Indigeneity and Revolt</b>								
<p>This course is an introduction to "decoloniality," a mode of critical theory that examines and attempts to systematically undermine the notion that ascendance to power of European modernity (including contemporary American culture) can be understood without a constitutive and ongoing relation to colonial domination. This includes domination on the basis of race, gender, religion, and a variety of other ways that modern systems of rationality, governance, normalcy, order, and accumulation have been constructed through practices of domination and subjugation. The course focuses specifically on the American context, including the interplay between the African continent and North and South America. Key writers from Afro-diasporic, Afro-Caribbean, and indigenous Latin American perspectives will be studied in depth. While introducing students to salient currents in decolonial thought, the course will also examine relations between decolonial and postcolonial thought, as well as between decolonial theory and recent work in feminist and query theory.</p> <p>Enrollment Limit: 25</p> <p>Attributes: B: Analysis of the Social World Gender and Sexuality Studies Humanities Peace, Justice and Human Rights</p>										
		2581	001	1.0	Joshua Ramey	M W	2:30PM	3:55PM		0
<b>PEAC</b>	<b>H222B</b>	<b>Human Rights and Culture</b>								
<p>This course offers an overview of the human rights system, looking at its basic elements and studying how it works. At the heart of this course is the question of "culture" and its relation to human rights. We will focus on the tensions and translations between human rights and culture and between global ideas and practices and local ones. The goal of the course is developing an understanding of human rights in practice and theorizing the intersections between social fields thought of as global and local.</p> <p>Crosslisted: Anthropology; Peace, Justice and Human Rights</p> <p>Prerequisite(s): Intro to Anthropology OR Intro to PJHR</p> <p>Enrollment Limit: 15</p> <p>Attributes: B: Analysis of the Social World Peace, Justice and Human Rights Social Science</p>										
		2430	001	1.0	Zeynep Sertbulut	T Th	11:30AM	12:55PM		0
<b>PEAC</b>	<b>H257B</b>	<b>Antigone's Echoes: Activism and the Law from Ancient Greece to today</b>								
<p>Where should the law come from, the individual or the state? How can you protest an unjust system, and how can an ancient story help you do it? Who owns a "Classic"? These are just a few questions that Sophocles' Antigone has raised for philosophers and playwrights from the Enlightenment to today. We'll read several versions of the Antigone myth and explore this character's enduring relevance to theories of gender, performance, world literature, and politics.</p> <p>Crosslisted: COML, PEAC.</p> <p>Enrollment Limit: 25.00</p> <p>Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Humanities Peace, Justice and Human Rights</p>										
		2865	001	1.0	Ryan Warwick	T	7:30PM	9:55PM		0
<b>PEAC</b>	<b>H281B</b>	<b>Feminist Political Economy</b>								
<p>This course is an introduction to current debates in radical feminism. Beginning with the psychoanalytical, Marxist, and Black Radical feminists of the 1960's and 70's, the course outlines contemporary radical feminist positions on race, gender, consumption, domesticity, care, labor, ecology, and the prospects of collective life within and beyond capitalist planetary endgame.</p> <p>Crosslisted: POLS.</p> <p>Pre-requisite(s): PEAC 101 or 201 or any PHIL or POLS class, or consent of instructor.</p> <p>Lottery Preference: PJHR and GenSex students first</p> <p>Enrollment Limit: 25.00</p> <p>Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Peace, Justice and Human Rights Social Science</p>										
		2870	001	1.0	Joshua Ramey	M W	11:30AM	12:55PM		0
<b>PEAC</b>	<b>H295B</b>	<b>Quakers, War, and Slavery, 1646-1877</b>								
<p>In the 1640s and 50s, many Quakers believed that Christians should fight in wars; none of them (as far as we know) believed that Christians ought not own slaves. By 1723, most Quakers had renounced war; a good many of them had begun to assert that</p>										

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld
					owning slaves was contrary to the will of God. Students in this course will try to determine how-and also why-Quakers changed their minds about war and slavery. Crosslisted: Independent College Programs; Peace, Justice and Human Rights; Religion Prerequisite(s): First Year Writing Enrollment Limit: 15 Lottery Preference(s): Religion majors and PJHR concentrators <i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Peace, Justice and Human Rights</i>					
		2592	001	1.0	David Harrington Watt	W	1:30PM	3:55PM		0
<b>PEAC</b>	<b>H325B</b>	<b>Law: Settler and Indigenous</b>								
					Explores legal theories underpinning legal systems in settler colonial states. Studies settler legal forms and Indigenous legal forms alongside each other, and thinks about what gives law power, how that power stays in place, and what law is supposed to be and do for those who are guided by it. Readings include classics of settler/western legal theory and various Indigenous traditions. Assignments include papers, presentations, research, storytelling, and moot courts in multiple traditions. Pre-requisite(s): PEAC 101 or 201 or consent of instructor Lottery Preference: PJHR Concentrators Enrollment Limit: 15.00 <i>Attributes: A: Meaning, Interpretation (Texts) Humanities Peace, Justice and Human Rights</i>					
		2669	001	1.0	Jill Stauffer	T	1:30PM	3:55PM		0
<b>PEAC</b>	<b>H327B</b>	<b>University City: Race, Power and Politics in Philadelphia</b>								
					For over twenty years, the largest private employer in Philadelphia has been the University of Pennsylvania and its hospital system. In fact, three of the top five largest employers are universities and their affiliated medical centers; Thomas Jefferson University and Temple University also make the cut. Including these institutions, there are fifty-five colleges and universities of varying size, shape, and public/private status in Philadelphia. How did it come to be that universities have taken on such a large political and economic role in not just Philadelphia, but many American cities that otherwise share little in common? This class aims to trace the history of higher education and its ongoing impact on the geography, economy, and culture of greater Philadelphia and U.S. urban space broadly. Practically, this means an attention to the urban landscape; social, cultural, and political movements that emerge from these institutions; and how non-profit institutions relate to government at every level. These wide aims require an interdisciplinary approach drawing on work in critical university studies, cultural studies, political and economic theory, history, urban studies, and critical theory. This class will be taught in Philadelphia as part of the Tri-Co Philly Program Prerequisites: Priority in registration will be given to students participating in the Tri-Co Philly Program. Remaining seats are available to other Tri-Co students, by lottery, if demand exceeds remaining spaces in the course. If you are interested in the program, you must fill out the application, which is due on Friday, November 3 by 11:59 pm ( <a href="https://www.haverford.edu/philly-program">https://www.haverford.edu/philly-program</a> ). The program includes registering for two of three program's three courses: this course and Literature in and of Philadelphia, 1682-1865 (ENGL B307) OR History & Politics of Punishment (20E). Those not participating in the Philly program do not need to complete the application and can simply pre-register for the class. Enrollment limit 18 <i>Attributes: B: Analysis of the Social World Education Peace, Justice and Human Rights Social Science</i>					
		2680	001	1.0	Dennis Hogan	Th	12:30PM	2:55PM		0
<b>PEAC</b>	<b>H329B</b>	<b>Afro-Asian Solidarities</b>								
					This interdisciplinary course analyzes the relationship between Black and Asian communities in the Americas, highlighting moments of solidarity and unity and areas of divergence and conflict. Moving from slavery to indentureship to U.S. immigration, particularly post 1960s, students will examine the rhetoric of the yellow peril, the myth of the model minority, the rise of Black Power movements, orientalist stereotypes, and anti-blackness within the Asian (inclusive of South Asian and Indo-Caribbean) community. Pre-requisite(s): PEAC 101 or 201 or consent of instructor Lottery Preference: PJHR, AFST, and FGSTC students Enrollment Limit: 15.00					

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld
					<i>Attributes: A: Meaning, Interpretation (Texts) Africana Studies Asian American Studies Gender and Sexuality Studies Humanities Peace, Justice and Human Rights</i>					
		2872	001	1.0	Prea Persaud Khanna	F	11:30AM	1:55PM		0
<b>PEAC</b>	<b>H331B</b>	<b>Carceral/Abolition Technologies</b>								
		This seminar explores how technologies have been deployed to expand the carceral web of the prison-industrial complex, and the simultaneous resistances by abolitionist movements to create alternative futures and spaces both historically and presently. With an expansive understanding of technology, this class interrogates the construction of race, prisons, policing, and today's AI systems in the US as methods of classification, containment, and control. Abolitionist, black feminist, and critical perspectives will be integrated into the discussion.								
		Pre-requisite(s): Introductory or intermediate course in PJHR or consent of instructor Lottery Preference: PJHR Concentrators, then Computer Science students. Enrollment Limit: 15.00								
					<i>Attributes: B: Analysis of the Social World Peace, Justice and Human Rights Social Science</i>					
		2855	001	1.0	Xerxes Minocher	W	1:30PM	3:55PM		0
<b>PHIL</b>	<b>H110B</b>	<b>Mind and World</b>								
		An introduction to the history of our conception of ourselves as rational beings in the world through a close reading of central texts in the European tradition that address both the sorts of beings we are and the nature of the world as it is the object of our natural scientific knowledge.								
		Enrollment Limit: 45								
					<i>Attributes: A: Meaning, Interpretation (Texts) Humanities Neuroscience</i>					
		1612	001	1.0	Danielle Macbeth	M W	2:30PM	3:55PM		0
<b>PHIL</b>	<b>H111B</b>	<b>The Wicked and the Worthy</b>								
		The possibility of "doing good" in the world presumes that one can distinguish between good and bad actions, people, and consequences. But on what basis are we to make such distinctions? What grounds, if anything, our definitions of good and bad? This course examines such concerns through a survey of the history of ethical philosophy. In assessing ethical "first principles" we will consider as well questions of intentionality, power, and historical value. Readings include selections from Mill's Utilitarianism, Kant's Groundwork of the Metaphysics of Morals, and Nietzsche's Beyond Good and Evil.								
					<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>					
		2448	001	1.0	Jerry Miller	M W	1:00PM	2:25PM		0
<b>PHIL</b>	<b>H212B</b>	<b>Aristotle</b>								
		What are essences, and how do they figure in scientific knowledge? What are perception, imagination, thought, and desire, and how do they interact? What is human happiness? We will consider these and related questions, working through some of Aristotle's most influential discussions in philosophy of science, philosophy of mind, and ethics.								
					<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>					
		2450	001	1.0	Joel Yurdin	T Th	10:00AM	11:25AM		0
<b>PHIL</b>	<b>H215B</b>	<b>Phenomenologies of the Body</b>								
		What does phenomenology teach us about the body? Starting with foundational texts in phenomenology, this course will explore how phenomenology has come to be applied to differing approaches to the body.								
		Prerequisite(s): 100-level course in Philosophy or Instructor's Approval								
					<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>					
		2451	001	1.0	Qrescent Mali Mason	T Th	11:30AM	12:55PM		0
<b>PHIL</b>	<b>H241B</b>	<b>Hindu Philosophy</b>								
		A critical exploration of classical Hindu thought (Vedanta) in a global and comparative context. Special focus on selected Principal Upanisads, a close meditative reading of the Bhagavad Gita and an in depth exploration of Shankara's Brahmasutra Commentary. A course in Global Philosophy, not for major or minor credit.								
		Prerequisite(s): One PHIL course at the 100 level or consent. Enrollment Limit: 40								
					<i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>					
		2452	001	1.0	Ashok K Gangadean	T Th	2:30PM	3:55PM		0
<b>PHIL</b>	<b>H253B</b>	<b>Analytic Philosophy of Language</b>								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<p>A close study of seminal essays by Frege, Russell, Kripke, Quine, Davidson, and others focussing on questions of meaning, reference, and truth. An overarching aim of the course is to understand how one can approach fundamental issues in philosophy through a critical reflection on how language works.  <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>                      2453 001 1.0 Charles Goldhaber M W 1:00PM 2:25PM 0</p>										
PHIL	H329B				<b>bell hooks Seminar: Black Feminist Autotheory and Critical Phenomenology</b>					
<p>This course will be a survey of the critical phenomenological work of Black feminist philosopher bell hooks, with a concentration on how hooks' theory is intertwined with her lived experience.                      Crosslisted: AFST,GSST.                      Pre-requisite(s): 200- Level Philosophy course or Instructor Permission                      Enrollment Limit: 25.00  <i>Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gender and Sexuality Studies Humanities</i>                      2873 001 1.0 Qrescent Mali Mason T Th 2:30PM 3:55PM 0</p>										
PHIL	H352B				<b>Metaphor, Meaning and the Dialogical Mind</b>					
<p>This course explores the nature of language with special attention to the origin of meaning and metaphor in the dialogical mind. Topics include: primary meaning: literal, symbolic, metaphoric; truth and reality; analogy and imagination; hermeneutics of communication and translatability; meditative meaning and the limits of language; indeterminacy and ambiguity across diverse language-worlds; voice and speech as determinants of meaning and the dynamics of dialogue between worlds. A unifying theme focuses on releasing the power of meaning in the transformation from egocentric patterns of thought to the dialogical awakening of mind. Readings include selections from such diverse thinkers as Plato, Aristotle, Heidegger, Wittgenstein, Sommers, Derrida and Nagarjuna and others. A course in Global Philosophy, not for major or minor credit.                      Enrollment Limit: 30  <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>                      2454 001 1.0 Ashok K Gangadean T Th 11:30AM 12:55PM 0</p>										
PHIL	H360B				<b>Topics in Philosophical Psychology</b>					
<p>An examination of some central problems concerning the varieties of cognition. Topics may include hallucination, illusion, the phenomenal character of perceptual awareness, and the nature of sense-experience. Readings from contemporary authors.                      Prerequisite(s): 200 level course in philosophy or psychology or instructor consent.  <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>                      2455 001 1.0 Joel Yurdin T Th 1:00PM 2:25PM 0</p>										
PHIL	H399B				<b>Senior Seminar</b>					
<p>This course has several components: (a) participation in the Altherr Symposium, including three to four meetings devoted to preparation for the symposium, (b) participation in the Distinguished Visitors series, (c) the writing of a senior thesis, and (d) presentation of one's work for critical discussion with others in the seminar, as well as a final formal presentation.  <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>                      1339 001 1.0 Jerry Miller F 1:30PM 3:55PM 0</p>										
PHYS	H102B				<b>Classical and Modern Physics II</b>					
<p>The second of a two-semester comprehensive introduction to physics, with an emphasis on life science applications involving electricity and magnetism, waves, electronics, waves and optics. Three class hours and one laboratory period.                      Prerequisite(s): PHYS H101 and MATH H105 or equivalent                      Enrollment Limit: 72  <i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i>                      1287 001 1.0 Vianney Gimenez-Pinto M W F 11:30AM 12:25PM 0                      1292 00A .0 Karen L. Masters M 1:30PM 3:55PM 0                      1293 00B .0 Karen L. Masters T 1:30PM 3:55PM 0                      1299 00C .0 Karen L. Masters W 1:30PM 3:55PM 0</p>										
PHYS	H104B				<b>Topics in Intro Programming: Physics and Astronomy</b>					
<p>Topics in Introductory Programming is designed to give a general introduction to programming as related to data analysis across many fields. Students will be introduced to standard introductory programming imperative and object oriented</p>										

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<p>techniques as well as data structures necessary to create efficient and understandable algorithmic solutions to problems. This course satisfies the prerequisite for CMSC 107.                      Antirequisite(s): Students who have taken a semester of college-level computer science (e.g., CMSC105) or placed into CMSC107 are ineligible to take this course. It is intended for students with little or no background in computer programming. This course is equivalent to CMSC 104.                      Enrollment Limit: 24                      Lottery Preferences: first years, then sophomores, then all other students.                      Attributes: C: Physical and Natural Processes Natural Science Quantitative</p>										
	1306	001	.0	Andrea N. Lommen		M W	1:00PM	2:25PM		0
	1310	00A	1.0	TBA Department staff						0
	1311	00B	1.0	TBA Department staff						0
<b>PHYS</b>	<b>H105B</b>	<b>Fundamental Physics I</b>								
<p>Three class hours and one laboratory period. Newtonian mechanics and thermodynamics. Applications are drawn primarily from the physical sciences. This sequence (105/106) is meant as a one-year introduction suitable for students interested in the physical sciences.                      Prerequisite(s): MATH 118 or equivalent (MATH 118 may be taken concurrently)                      Enrollment Limit: 72                      Attributes: C: Physical and Natural Processes Natural Science Quantitative</p>										
	1479	001	1.0	Kazi Tawhid-Al-Islam		M W F	11:30AM	12:25PM		0
	1480	00A	.0	Karen L. Masters		M	1:30PM	3:55PM		0
	1481	00B	.0	Karen L. Masters		T	1:30PM	3:55PM		0
	1482	00C	.0	Karen L. Masters		W	1:30PM	3:55PM		0
<b>PHYS</b>	<b>H106B</b>	<b>Fundamental Physics II</b>								
<p>Electricity and magnetism, optics, electronics and special relativity. Applications are drawn primarily from the physical sciences. This sequence (105/106) is meant as a one-year introduction suitable for students interested in the physical sciences. Three class hours and one laboratory period.                      Prerequisite(s): MATH H118 and PHYS H105 or equivalent                      Enrollment Limit: 72                      Attributes: C: Physical and Natural Processes Natural Science Quantitative</p>										
	1288	001	1.0	Deepika C. Khilnane		M W F	11:30AM	12:25PM		0
	1294	00A	.0	Karen L. Masters		M	1:30PM	3:55PM		0
	1295	00B	.0	Karen L. Masters		T	1:30PM	3:55PM		0
	1298	00C	.0	Karen L. Masters		W	1:30PM	3:55PM		0
<b>PHYS</b>	<b>H214B</b>	<b>Introductory Quantum Mechanics</b>								
<p>Introduction to the principles governing systems at the atomic scale. Topics include the experimental basis of quantum mechanics, wave-particle duality, Schrodinger's equation and solutions in one dimension, time dependence of quantum states, angular momentum, and one-electron atoms. Recent developments, such as paradoxes calling attention to the remarkable behavior of quantum systems, or quantum computing, will be discussed. Multi-electron atoms and nuclei will be considered if time allows. We recommend taking Physics 301, a related laboratory half-course, concurrently.                      Prerequisite(s): PHYS H213 or PHYS B308; we strongly recommend taking MATH H215 (Linear Algebra) or the equivalent before PHYS 214                      Enrollment Limit: 30                      Attributes: Biophysics C: Physical and Natural Processes Natural Science Quantitative</p>										
	1289	001	1.0	Daniel Grin		M W	10:00AM	11:25AM		0
<b>PHYS</b>	<b>H301I</b>	<b>Quantum Physics Laboratory</b>								
<p>A full-semester weekly laboratory focusing on experiments of modern relevance with a focus on quantum mechanics. Topics may include: how lasers work and laser spectroscopy; spin resonance; nuclear and cosmic ray physics; electron diffraction; photoelectric effect; superconductivity; quantum eraser (a "which way" experiment); and others. This is one of two</p>										



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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
laboratories at the advanced level required for the regular physics major and fulfills the advanced laboratory requirement for the interdisciplinary physics major.										
Prerequisite(s): PHYS H211; Co-requisite: PHYS 214										
Enrollment Limit: 18										
<i>Attributes: Biophysics C: Physical and Natural Processes Natural Science Quantitative</i>										
	1300	001	.5	Kazi Tawhid-Al-Islam		Th	1:30PM	3:55PM		0
	1483	002	.5	Kazi Tawhid-Al-Islam		F	1:30PM	3:55PM		0
<b>PHYS</b>	<b>H304B</b>	<b>Computational Physics</b>								
An introduction to the methods and problems of computational physics, including matrix methods, ordinary differential equations, integration, eigensystems, Monte Carlo techniques, Fourier analysis, and iterative methods. Course will include a substantial independent project.										
Crosslisted: Physics, Astronomy, Computer Science										
Prerequisite(s): PHYS 213 or BMC PHYS 306 or instructor consent										
Enrollment Limit: 18										
Lottery preferences as follows:										
Senior Physics, Astrophysics and astronomy majors										
Senior Scientific Computing Concentrators										
Junior majors										
Junior Scientific Computing Concentrators										
Other Seniors										
Sophomores										
Freshmen										
<i>Attributes: C: Physical and Natural Processes Natural Science</i>										
	1308	001	1.0	Daniel Grin		T Th	10:00AM	11:25AM		0
<b>PHYS</b>	<b>H309B</b>	<b>Advanced Electromagnetism</b>								
Boundary value problems, multipole fields, dielectric and magnetic materials; electromagnetic waves, propagation in dielectric media, conductors and waveguides; gauge transformations, radiating systems.										
Prerequisite(s): PHYS 214 and either PHYS H213 or PHYS B306										
<i>Attributes: C: Physical and Natural Processes Natural Science</i>										
	2411	001	1.0	Andrea N. Lommen		M W	10:00AM	11:25AM		0
<b>PHYS</b>	<b>H352I</b>	<b>Topics in Astrophysics: Extragalactic Data Science</b>								
A 0.5 credit upper level astronomy/astrophysics elective, which can be taken in series with the other 0.5 credit upper level Astro elective offered the same semester, or as a stand-alone course. This class will cover the basics of modern extragalactic science (a review of our knowledge of the Milky Way and external galaxies) alongside hands on projects involving data science/statistical techniques used to investigate them. Assessment will be highly project based, with regular coding assignments (in python) done during class time, and guided reading of both current, and classic astrophysical literature. Students will leave with an understanding of extragalactic astrophysics as a modern data focused science.										
Crosslisted: PHYS.										
Pre-requisite(s): ASTR204										
<i>Attributes: C: Physical and Natural Processes Natural Science</i>										
	2412	001	.5	Karen L. Masters		M	1:00PM	2:25PM		0
<b>PHYS</b>	<b>H356I</b>	<b>Topics in Physics/Astronomy: Introduction to Astroparticle Physics</b>								
Astroparticle physics is the study of fundamental particles traveling through space coming from various astrophysical sources. The energies of some of these particles are much higher compared to the ones achievable by the most powerful human-made particle accelerators. In this course, we will learn about cosmic rays, Gamma-rays, neutrinos, neutrino oscillations and masses, dark matter cross-section, freezeout, evidences, candidates, and searches. There will be an emphasis on dark matter and neutrino physics and detection.										
Crosslisted: ASTR.										
Pre-requisite(s): ASTR 204 or BMC equiv. PHYS 214 or BMC equiv. (can be taken concurrently)										
Lottery Preference: Juniors and seniors majoring in physics, astrophysics, and astronomy.										

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Enrollment Limit: 15.00										
<i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i>										
	2875	001	.5	Islam Khan		T	7:30PM	8:55PM		0
<b>PHYS</b>	<b>H399I</b>	<b>Senior Seminar</b>								
A capstone experience for seniors in physics and astrophysics meeting biweekly throughout the year. An introduction to scientific writing and speaking; scientific ethics; graduate study in physics and astronomy; career options for physics and astronomy majors, both within the field and outside science; preparation and presentation of senior papers and colloquia; attendance at lectures by distinguished visitors; and discussions of student and faculty research projects in the department. This course is graded universal P/F in which no numerical grade is assigned.										
Prerequisite(s): Senior standing in physics or astrophysics										
Enrollment Limit: 30										
	1304	001	.5	Karen L. Masters		M W F	11:30AM	12:25PM		0
<b>PHYS</b>	<b>H404B</b>	<b>Research in Astrophysics</b>								
Intended for those students who choose to complete an independent research project in astrophysics under the supervision of a faculty member.										
<i>Attributes: Natural Science</i>										
	1316	001	1.0	Andrea N. Lommen						0
	1317	002	1.0	Karen L. Masters						0
<b>PHYS</b>	<b>H404I</b>	<b>Research in Astrophysics</b>								
Intended for those students who choose to complete an independent research project in astrophysics under the supervision of a faculty member.										
<i>Attributes: Natural Science</i>										
	1320	001	.5	Andrea N. Lommen						0
	1321	002	.5	Karen L. Masters						0
<b>PHYS</b>	<b>H411B</b>	<b>Research in Soft Matter Physics</b>								
Experimental research studying the rigidity and failure of jammed, disordered solids, and the mechanical response of athermal and nonlinear materials.										
Prerequisite(s): Instructor consent										
<i>Attributes: Natural Science</i>										
	1291	001	1.0	Kazi Tawhid-Al-Islam						0
<b>PHYS</b>	<b>H411I</b>	<b>Research in Soft Matter Physics</b>								
Experimental research studying the rigidity and failure of jammed, disordered solids, and the mechanical response of athermal and nonlinear materials.										
Prerequisite(s): Instructor consent										
<i>Attributes: Natural Science</i>										
	1297	001	.5	Theodore A. Brzinski						0
<b>PHYS</b>	<b>H412B</b>	<b>Research in Theoretical and Computational Physics</b>								
Independent research on current problems in theoretical physics, with emphasis on particle physics, physical cosmology, and mathematical physics; extensive use is also made of computer-based methods. This course is graded universal P/F in which no numerical grade is assigned.										
Prerequisite(s): Instructor consent										
	1290	001	1.0	Daniel Grin						0
<b>PHYS</b>	<b>H412I</b>	<b>Research in Theoretical and Computational Physics</b>								
Independent research on current problems in theoretical physics, with emphasis on particle physics, physical cosmology, and mathematical physics; extensive use is also made of computer-based methods. This course is graded universal P/F in which no numerical grade is assigned.										
Prerequisite(s): Instructor consent										
	1312	001	.5	Islam Khan						0
<b>PHYS</b>	<b>H413B</b>	<b>Research in Biological Physics</b>								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld	
					Experimental & computational research applying physics to problems in biomechanics, animal behavior & sensory ecology. This course is graded universal P/F in which no numerical grade is assigned. Prerequisite(s): Instructor consent Enrollment Limit: 6						
			1301	001	1.0					0	
			2779	002	1.0					0	
<b>PHYS</b>	<b>H413I</b>	<b>Research in Biological Physics</b>									
		Experimental research on the functionality and the statistical mechanics of biophysical systems. Current experiments include mechanical measurements of biopolymers, and computational studies of artificial evolution. This course is graded universal P/F in which no numerical grade is assigned. Prerequisite(s): Instructor Consent Enrollment Limit: 6									
			1309	001	.5					0	
			2600	002	.5					0	
<b>PHYS</b>	<b>H415B</b>	<b>Research in Nanoscale Physics</b>									
		Research on the morphology and electronic properties of nano-scale materials. Prerequisite(s): Instructor consent. Advanced lab experience preferred Enrollment Limit: 5 <i>Attributes: Natural Science</i>									
			1302	001	1.0					0	
<b>PHYS</b>	<b>H415I</b>	<b>Research in Nanoscale Physics</b>									
		Research on the morphology and electronic properties of nano-scale materials. Prerequisite(s): Instructor consent. Advanced lab experience preferred Enrollment Limit: 5 <i>Attributes: Natural Science</i>									
			1305	001	.5					0	
<b>POLS</b>	<b>H121B</b>	<b>American Politics</b>									
		This course examines the dynamics of the political process as seen in the Congress, the Presidency, and the judiciary. It also focuses on the roles that interest groups, public opinion, the media, and political parties and elections play in the American political system. Enrollment Limit: 40 <i>Attributes: B: Analysis of the Social World Social Science</i>									
			2286	001	1.0		M W	10:00AM	11:25AM	0	
<b>POLS</b>	<b>H131B</b>	<b>Introduction to Comparative Politics</b>									
		An introduction to basic concepts and themes in comparative politics analyzed through case studies. Themes include political authority and governance structures; political culture and identity politics; political participation and representation; and political economy. Enrollment Limit: 40 Lottery Preference(s): First-year students and sophomores, then juniors and seniors <i>Attributes: B: Analysis of the Social World Latin American, Iberian, and Latinx Studies Social Science</i>									
			1219	001	1.0		T Th	10:00AM	11:25AM	0	
<b>POLS</b>	<b>H161B</b>	<b>Global Political Economy: States, Markets, and People in the Era of Globalization</b>									
		This course serves as an introduction to Global Political Economy (GPE). It not only surveys fundamental GPE concepts but also delves into international economic institutions and critical problem areas. Following an exploration of key theoretical approaches, emphasis will be placed on diverse GPE topics, such as trade, multinational corporations, finance, development, environment, and issues related to food and hunger. The primary focus is on economic globalization and its implications for the state and society. Additionally, case studies on various topics will facilitate discussions on different approaches and policy options in GPE. Enrollment Limit: 40									

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<i>Attributes: B: Analysis of the Social World Social Science</i>										
		2759	001	1.0	Yonca Ozdemir	M W	2:30PM	3:55PM		0
<b>POLS</b>	<b>H216B</b>	<b>The Supreme Court</b>		Examines the Supreme Court's interpretation of the civil rights and civil liberties expressed in the U.S. Constitution and its impact on American society and politics. Prerequisite(s): One 100-level course in Political Science Enrollment Limit: 25 Lottery Preference(s): 10 spaces for political science majors						
<i>Attributes: B: Analysis of the Social World Social Science</i>										
		2287	001	1.0	Hannah Mariah Solomon-Strauss	M	7:30PM	9:55PM		0
<b>POLS</b>	<b>H218B</b>	<b>The Criminal Justice System</b>		An analysis of the politics and policies surrounding the U.S. criminal justice system. Enrollment Limit: 25 Lottery Preference(s): Political Science Majors						
<i>Attributes: B: Analysis of the Social World Social Science</i>										
		2596	001	1.0	Zachary W. Oberfield	T Th	10:00AM	11:25AM		0
<b>POLS</b>	<b>H228B</b>	<b>Urban Policy</b>		Assessment of public policies aimed at revitalizing U.S. cities following several decades of suburbanization and capital disinvestment. Focus on economic development, housing and community development, environmental protection, transportation, education, crime, and the management of regional sprawl. <i>Attributes: Social Science</i>						
		2291	001	1.0	Stephen J. McGovern	M W	1:00PM	2:25PM		0
<b>POLS</b>	<b>H253B</b>	<b>Introduction to Terrorism Studies</b>		After being marginalized in international relations scholarship for years, in the aftermath of 9/11 terrorism has moved to the forefront of scholarly interest. The purpose of this course is to survey the various theories concerning terrorism from diverse perspectives employing rationalist and psychological theories to explain terrorism-related phenomena. Enrollment Limit: 30						
<i>Attributes: B: Analysis of the Social World Social Science</i>										
		2290	001	1.0	Barak Mendelsohn	T Th	11:30AM	12:55PM		0
<b>POLS</b>	<b>H271B</b>	<b>Comparative and Transnational Studies: From Kuala Lumpur to Kansas City</b>		How can comparative lenses on the one hand, and transnational lenses, on the other, make sense of a globalizing world and its workings? This course uses both lenses to understand the ways we live now. Also, the ideas and practices that shaped them. So we study, for example, how modernity was built by the Black Atlantic, by creolizing, and by different diasporas and their homelands. And how constitutionalisms in Spanish America and U. S. states resemble each other. Or how the Arab world and East Asia shared debates over dealing with Eurocentrism. Enrollment Limit: 25						
<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Latin American, Iberian, and Latinx Studies Social Science</i>										
		1220	001	1.0	Thomas J. Donahue	W	1:30PM	3:55PM		0
<b>POLS</b>	<b>H274B</b>	<b>Ends and Means: Moral Choices in Politics</b>		Can politics be moral? Can the end justify the means? Examines how to make moral choices in politics, and the moral dilemmas it poses, by scrutinizing how great theories answered these questions, including Machiavelli, Thoreau, Martin Luther King, Jr., Malcolm X, Camus, Sartre, Dewey, Trotsky, Rosa Luxemburg, Reinhold Niebuhr, and Elizabeth Anscombe. A special focus on the ethics of war. Prerequisite(s): Must have at least one course in Political Science						
<i>Attributes: Social Science</i>										
		1225	001	1.0	Thomas J. Donahue	Th	1:30PM	3:55PM		0
<b>POLS</b>	<b>H278B</b>	<b>The Earth: Ethics, Politics, and Economics</b>								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
					How should we deal with clashes among environmental values, economic growth, and what people want? Examines the clashing theories and interpretations of facts that underlie current environmental debates. Focus on climate change and inter-relations among ethical, political, and economic concerns. Enrollment Limit: 25 Attributes: B: Analysis of the Social World Social Science					
		1657	001	1.0	Thomas J. Donahue	M	1:30PM	3:55PM		0
<b>POLS</b>	<b>H281B</b>				<b>Feminist Political Economy</b> This course is an introduction to current debates in radical feminism. Beginning with the psychoanalytical, Marxist, and Black Radical feminists of the 1960's and 70's, the course outlines contemporary radical feminist positions on race, gender, consumption, domesticity, care, labor, ecology, and the prospects of collective life within and beyond capitalist planetary endgame. Crosslisted: POLS. Pre-requisite(s): PEAC 101 or 201 or any PHIL or POLS class, or consent of instructor. Lottery Preference: PJHR and GenSex students first Enrollment Limit: 25.00 Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Peace, Justice and Human Rights Social Science					
		2871	001	1.0	Joshua Ramey	M W	11:30AM	12:55PM		0
<b>POLS</b>	<b>H286B</b>				<b>Religion and American Public Life</b> What is religious freedom? How have debates about the role of religion in public life shaped American politics? And how have anxieties about race, gender, and sexuality determined the limits and possibilities of religious freedom? Grounding contemporary political debates in their historical context, students analyze speeches, court cases, visual and popular culture, and political theory and philosophy to explore the complex relationship between religion and politics in the U.S. Enrollment limit: 25 Attributes: Humanities					
		2439	001	1.0	Molly Farneth	M W	11:30AM	12:55PM		0
<b>POLS</b>	<b>H294B</b>				<b>Federalism and Constitutional Law</b> What does it mean to think like a lawyer? We will explore that question (and many others) as we examine the area of constitutional law known as federalism. The federalism debate is about which government—the federal government or each state—should decide hot-button issues such as whether to legalize marijuana; whether to require masks to curb the spread of COVID-19; whether to ban the sale of food made from animals confined in cruel conditions; whether to allow the sale of abortion-inducing drugs; and whether to give undocumented students (Dreamers) the benefit of in-state college tuition. Readings will be abridged versions of Supreme Court cases, lower court cases, and related commentary. Writing assignments will be case summaries, two short papers, and one longer paper in lieu of an exam. Classes will be discussion based, and there will be opportunities to play the role of lawyer or judge in mock oral arguments known as moot courts. Enrollment Limit: 20.00 Attributes: B: Analysis of the Social World Social Science					
		1758	001	1.0	Alisa Klein	M	1:30PM	3:55PM		0
<b>POLS</b>	<b>H298B</b>				<b>From National-liberation Republic to Populist State: The State and Economy in Turkey</b> This course offers a comprehensive review of modern Turkish history, delving into the origins and consequences of its current challenges. It examines these issues in the broader context of semi-peripheral countries and dependence. The topics encompass various social, political, and economic challenges that Turkey has faced since late Ottoman times, including underdevelopment, problems in democratic consolidation, relations with the West, industrialization, class conflict, military coups, economic liberalization, economic crises, political cleavages, and the rise of AKP's authoritarian populism. Pre-requisite(s): One semester of Political Science is recommended but instructor's permission is sufficient. Enrollment Limit: 25.00 Attributes: B: Analysis of the Social World Middle Eastern & Islamic Studies Social Science					
		2877	001	1.0	Yonca Ozdemir	M W	10:00AM	11:25AM		0
<b>POLS</b>	<b>H342B</b>				<b>The Politics of Gender and Sexuality</b>					

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld	
					<p>Advanced course explores the politics of gender and sexuality in comparative perspective. Includes readings in feminist theory and methods and examines the state and power structures through a gender sensitive lens. Cases primarily from Africa, Europe and the United States.            Crosslisted: Gender and Sexuality concentration.            Prerequisite(s): Previous course in gender and sexuality and Domain B (or SO), POLS 242 (Women in War and Peace) recommended.            Enrollment Limit: 15            Lottery Preference(s): Political Science majors, Gen/Sex concentrators            Attributes: B: Analysis of the Social World Gender and Sexuality Studies Social Science</p>						
		2288	001	1.0	Susanna Wing	T	1:30PM	3:55PM		0	
<b>POLS</b>	<b>H357B</b>	<b>International Relations Theory: Conflict and the Middle East</b>									
		<p>Conflicts in the Middle East since World War I. Cleavages are discussed that have contributed to the emergence of violent conflicts in the region and discusses particular conflicts.            Enrollment Limit: 15            Attributes: Social Science</p>									
		2289	001	1.0	Barak Mendelsohn	Th	1:30PM	3:55PM		0	
<b>POLS</b>	<b>H367B</b>	<b>Politics, Markets, and Crises: Current Challenges in Global Political Economy</b>									
		<p>This course acquaints you with the fundamental debates and empirical issues in contemporary Global Political Economy (GPE), while also enhancing your critical analysis skills. After a brief introduction to the divided status of the field of GPE, we will explore various challenges in the global economic system and their political causes and implications. Topics covered include WTO/trade liberalization vs. trade wars, transnational corporations and global value chains, labor and the gig economy, gender dynamics, financialization and financial crises, development goals and the poverty reduction, global shocks (COVID-19 and the war in Ukraine), the BRICS, and the evolving global economic order.            Pre-requisite(s): One semester of Political Science or instructor's permission            Enrollment Limit: 15.00            Attributes: B: Analysis of the Social World Social Science</p>									
		2878	001	1.0	Yonca Ozdemir	T	1:30PM	3:55PM		0	
<b>POLS</b>	<b>H400B</b>	<b>Senior Thesis</b>									
		<p>This course consists of tutorials and intensive research, culminating in a senior thesis.            Prerequisite(s): Limited to political science senior majors            Attributes: B: Analysis of the Social World Social Science</p>									
		1211	001	1.0	Stephen J. McGovern					0	
		1212	002	1.0	Zachary W. Oberfield					0	
		1213	003	1.0	Barak Mendelsohn					0	
		1214	004	1.0	Susanna Wing					0	
		1215	005	1.0	Anita Julie Isaacs					0	
		1216	006	1.0	Paulina Ochoa Espejo					0	
<b>POLS</b>	<b>H460B</b>	<b>Teaching Assistant</b>									
		<p>Teaching assistant.            Prerequisite(s): Instructor consent</p>									
		1217	001	1.0						0	
		1221	002	1.0						0	
		1223	003	1.0						0	
<b>POLS</b>	<b>H480B</b>	<b>Independent Study</b>									
		<p>This course is conducted through individual consultation; supervised independent reading and research is expected; research papers and oral reports on special topics are based upon the individual interests of advanced students.            Prerequisite(s): Instructor consent            Enrollment Limit: 5</p>									

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
		1799	001	1.0						0
<b>POLS</b>	<b>H480I</b>	<b>Independent Study</b>								
		This course is conducted through individual consultation; supervised independent reading and research is expected; research papers and oral reports on special topics are based upon the individual interests of advanced students.								
		Prerequisite(s): Instructor consent								
		Enrollment Limit: 5								
		1218	001	.5						0
<b>PSYC</b>	<b>H100B</b>	<b>Foundations of Psychology</b>								
		An introduction to the study of mind and behavior. Topics include biological, cognitive, personality, abnormal, and social psychology, as well as a general consideration of the empirical approach to the study of behavior. This course is a prerequisite for most other 200 and 300 level psychology courses. However, in most cases, this prerequisite may be met with an AP Psychology score of 4 or 5 or IB Psychology credit.								
		Prerequisite(s): Students with AP Psychology credit from high school (and a score of 4 or 5 on the AP exam) have the option to waive the Foundations course and enroll in upper-level courses; this should be done only after consultation with a faculty member in the Psychology Department. Students are welcome to take PSYCH 100 even if they have AP Psychology credit from high school (and a score of 4 or 5 on the AP exam).								
		Enrollment Limit: 35								
		Lottery Preference(s): 25 spaces reserved for incoming freshmen. Then priority as follows: freshmen, sophomores, juniors, seniors								
		<i>Attributes: B: Analysis of the Social World Social Science</i>								
		1167	002	1.0	Alexander LaTourrette	T Th	10:00AM	11:25AM		0
		1520	003	1.0	Jonathan Schacherer	T Th	2:30PM	3:55PM		0
<b>PSYC</b>	<b>H200B</b>	<b>Research Methods and Statistics</b>								
		A general overview of the experimental method and its use in the psychological study of behavior, coupled with in-depth treatment of statistics as applied to psychology research. Lab exercises focus on designing experiments, collecting data, applying statistical methods (using a data analysis software package), and presenting data through written assignments. 90 minutes of lab per week required in addition to lecture.								
		Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent.								
		Enrollment Limit: 35								
		Lottery preference(s): (1) Psychology majors, (2) sophomores, (3) seniors [non-psychology majors], (4) juniors [non-psychology majors], (5) first-year students								
		<i>Attributes: B: Analysis of the Social World Quantitative Social Science</i>								
		1169	001	1.0	Ryan Lei	M W	10:00AM	11:25AM		0
		1180	00A	.0	Mikayla Rose Carson	Th	10:00AM	11:25PM		0
		1181	00B	.0	Mikayla Rose Carson	Th	2:30PM	3:55PM		0
<b>PSYC</b>	<b>H203B</b>	<b>Cognition</b>								
		This course provides an overview of the field of Cognitive Psychology, the branch of psychology that studies how we think. Over the semester we will survey classic and contemporary theory and findings on a wide range of mental processes that we use every day - from attention and memory to language and problem solving - and our goal will be to understand how the human mind works! Pre-Requisite(s): PSYC H100 or PSYC B105 or Psychology AP Score 4+ or consent.								
		Enrollment Limit: 35								
		Lottery Preferences: PSYC Major/Minor (by class); Neuroscience Major/Minor (by class); Senior; Junior; Sophomore								
		<i>Attributes: B: Analysis of the Social World Social Science</i>								
		2784	001	1.0	Alexander LaTourrette	T Th	2:30PM	3:55PM		0
<b>PSYC</b>	<b>H215B</b>	<b>Personality Psychology</b>								
		An examination of the fundamental issues and questions addressed by personality psychology, including: What is personality? What are its underlying processes and mechanisms? How does personality develop and change over time? What constitutes a healthy personality? This course will explore these questions by considering evidence from several major approaches to personality (trait, psychodynamic, humanistic, and social-cognitive), and it will encourage students to develop a dynamic understanding of human personality that is situated within biological, social, and cultural contexts.								

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld		
					Prerequisite(s): PSYC H100, or PSYC B105, or Psychology AP Score 4, or instructor consent							
					Enrollment Limit: 35							
					Lottery Preference(s): Psychology senior majors/minors, Psychology junior majors/minors, then non-majors by class (seniors first, etc.)							
					Attributes: Child and Family Studies Social Science							
					2742	001	1.0	Jennifer L Lilgendahl	M W	11:30AM	12:55PM	0
<b>PSYC</b>	<b>H242B</b>				<b>Cultural Psychology</b>							
					An examination of cultural variation in psychological processes, covering development, personality, social behavior, neuroscience and genetics, and acculturation and multiculturalism.							
					Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent							
					Enrollment Limit: 35							
					Lottery Preference(s): Majors, Minors, then by class (Seniors, Juniors, etc.)							
					Attributes: B: Analysis of the Social World Health Studies Social Science							
					2585	001	1.0	Peiyao Chen	M W	10:00AM	11:25AM	0
<b>PSYC</b>	<b>H260B</b>				<b>Cognitive Neuroscience</b>							
					An examination of the neural basis of higher mental functions such as object recognition, attention, memory, spatial functions, language, and decision-making. Major themes include mind/brain relationships, localization of function, and the plasticity of the brain.							
					Prerequisite(s): PSYC 100 or PSYC B105 or NEUR 100 or Psychology AP Score of 4 or instructor consent							
					Enrollment Limit: 35							
					Lottery Preference(s): priority to senior psychology or neuroscience majors, followed by junior psychology or neuroscience majors, followed by psychology or neuroscience minors.							
					Attributes: C: Physical and Natural Processes Natural Science Neuroscience							
					1384	001	1.0	Jonathan Schacherer	T Th	10:00AM	11:25AM	0
<b>PSYC</b>	<b>H310I</b>				<b>Lab in Developmental Psychology</b>							
					This course will focus on the development of skills necessary for evaluating, implementing, and presenting empirical research in Developmental Psychology. Students will learn how research with young children is done and help to collect and analyze data to address these questions. Please note that there will be weekend work as part of this course. Additionally, students should be advised that data analysis will be done using the R statistical software package.							
					Pre-requisite(s): prior enrollment in Psychology 210 (or Bryn Mawr's equivalent) and Psychology 200							
					Enrollment Limit: 16							
					Lottery Preference(s): 1) Psychology senior majors, 2) Psychology junior majors, 3) sophomores, 4) everyone else.							
					Attributes: B: Analysis of the Social World Social Science							
					2568	001	.5	Ryan Lei	M	1:00PM	2:25PM	0
<b>PSYC</b>	<b>H317I</b>				<b>Laboratory in Behavioral Neuroscience</b>							
					Prerequisite(s): Past or concurrent enrollment in PSYC 217 (Behavioral Neuro) is required. Completion of Stats/Methods (PSYC H200 or PSYC B205) is strongly recommended; however, concurrent enrollment with Stats/Methods may be permissible with consent							
					Enrollment Limit: 15							
					Lottery preference(s): priority to senior psychology or neuroscience majors, followed by junior psychology or neuroscience majors, followed by psychology or neuroscience minors.							
					Attributes: C: Physical and Natural Processes Natural Science							
					1183	001	.5	Laura E. Been	T	1:30PM	3:55PM	0
<b>PSYC</b>	<b>H335B</b>				<b>Narrative Identity</b>							
					This course is an in-depth examination of the field of narrative identity, which takes as its guiding assumption that identity is constructed through finding meaning in past experiences and narrating our life stories. Course readings will draw from both quantitative and qualitative traditions and from several fields of psychology (developmental, personality, cultural, and clinical). Topics to be addressed include the development of narrative identity from childhood to old age, how cultural, historical, and social-structural forces shape narrative identity, and the role of narrative transformation in therapeutic processes, self-growth, and social change.							



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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
Prerequisite(s): PSYC 100 or B105, PSYC 200 (or B205), and at least one of the following 200-level courses: PSYC 210, 215, 224, 242 or BMC PSYC 206 or 208; or instructor consent Enrollment Limit: 12 Lottery Preference(s): 1. Senior psychology majors/minors 2. Junior psychology majors/minors 3. Non-majors by year (seniors, juniors, etc.) Attributes: B: Analysis of the Social World Social Science 2484 001 1.0 Jennifer L Lilgendahl T Th 11:30AM 12:55PM 0										
PSYC	H348B	Language and Thought								
This class will provide an advanced overview of language's role in cognition, asking whether the language(s) we speak affect the way we think. For instance, we will consider how languages might—or might not—affect the way we perceive colors, categorize events, understand emotions, and reason abstractly. We will also examine interactions and dissociations between language and cognition across varied populations including multilingual speakers, adults with aphasia, prelinguistic infants, non-human animals, and artificial intelligences. Pre-requisite(s): Psych 100 required; and any 200-level Psychology course or by instructor consent. Lottery Preference: Senior Psychology majors, Junior Psychology majors, Senior Psychology minors, Junior Psychology minors, Linguistics majors and minors, all else by seniority. Enrollment Limit: 12.00 Attributes: B: Analysis of the Social World Social Science 2567 001 1.0 Alexander LaTourrette M W 2:30PM 3:55PM 0										
PSYC	H353B	Personality in Cultural Context								
An in-depth examination of personality in cultural context. Topics will include cross-cultural variations in personality structure and processes, personality's relation to acculturation and multiculturalism, identity development in immigrant families, and how personality and identity in the U.S. are shaped by historically powerful cultural master narratives regarding race, class, gender and sexuality. Personality will be understood as a complex system that involves 1) basic traits, 2) contextualized characteristics, and 3) life stories. Pre-requisite(s): Any 200-level course in Psychology Lottery Preference: Psychology majors and minors (seniors then juniors) then by class (seniors, juniors, sophomores). Enrollment Limit: 12.00 Attributes: B: Analysis of the Social World Social Science 2883 001 1.0 Jennifer L Lilgendahl T Th 11:30AM 12:55PM 0										
PSYC	H361B	Communication Disorders Seminar								
What are communication disorders? What are the characteristics of these disorders? What can different communication disorders tell us about normal speech and language processing? In this course, students will learn about common disorders that affect communication throughout the lifespan, including developmental, acquired, and neurogenic communication disorders in the speech, language, and hearing domains. We will draw on empirical studies and theoretical reviews to examine potential causes and underlying mechanisms of different disorders. Pre-requisite(s): PSYC100 Foundations of Psychology, PSYC200 Research Methods and Statistics, and one additional 200-level Psychology or any 100-level Linguistics course Lottery Preference: Senior psychology majors, Junior psychology majors, Senior psychology minors, Junior psychology minors, Linguistics majors and minors, all others by class year. Enrollment Limit: 12.00 Attributes: B: Analysis of the Social World Social Science 2630 001 1.0 Peiyao Chen F 11:00AM 1:25PM 0										
PSYC	H367B	Myth of Multitasking								
Before you continue reading, take some time to try the following: pat your head while rubbing your stomach. Although silly, this is a clear example of multitasking. This seminar course focuses on our (in)ability to multitask. The purpose of this course is to introduce students to major issues, theories, methods, empirical data, and real-world implications for										

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld		
					multitasking research. Students will communicate knowledge in spoken and written form, and formulate ideas for future research.							
					Pre-requisite(s): PSYC 200							
					Lottery Preference: Senior psychology majors, Senior neuroscience majors, Junior psychology majors, Junior neuroscience majors, Psychology minors by class year, Neuroscience minors by class year, all else by class year.							
					Enrollment Limit: 12.00							
					<i>Attributes: B: Analysis of the Social World Neuroscience Social Science</i>							
					2892	001	1.0	Jonathan Schacherer	M	1:30PM	3:55PM	0
<b>PSYC</b>	<b>H380B</b>				<b>Psychology Practicum Seminar</b>							
					Seminar to accompany 7-8 hour weekly practicum in psychology at a fieldwork site. Students learn about core issues in the "helping" fields and develop basic therapy skills. Application process takes place during Fall pre-registration period; instructor consent required.							
					Prerequisite(s): PSYC 100 and one additional 200-level course in Psychology. Some sites may require additional Psychology coursework.							
					Enrollment Limit: 8							
					Lottery Preference(s): Juniors/Seniors majors, minors, sophomores, then others							
					<i>Attributes: B: Analysis of the Social World Social Science</i>							
					1185	001	1.0	Shu-wen Wong	T	10:00AM	11:25PM	0
<b>PSYC</b>	<b>H390B</b>				<b>Senior Thesis</b>							
					Open to senior psychology majors doing a one semester thesis in current semester.							
					Enrollment Limit: 10							
					<i>Attributes: Social Science</i>							
					1168	001	1.0	Shu-wen Wong	F	1:30PM	3:55PM	0
<b>PSYC</b>	<b>H392B</b>				<b>Senior Research Tutorial in Personality</b>							
					This senior research tutorial examines personality processes and identity development in emerging and middle adulthood, with an emphasis on the role of narrative meaning-making for understanding life trajectories and outcomes. Open to senior psychology majors.							
					Enrollment Limit: 10							
					<i>Attributes: Social Science</i>							
					1175	001	1.0	Jennifer L Lilgendahl	F	1:30PM	3:55PM	0
<b>PSYC</b>	<b>H393B</b>				<b>Senior Research Tutorial in Social Psychology</b>							
					This senior thesis tutorial explores social psychological processes and close relationships using both experimental and survey methodologies, with an emphasis on transparency and utilizing best-practices for open science. Open to senior psychology majors.							
					Enrollment Limit: 10							
					<i>Attributes: Social Science</i>							
					1173	001	1.0	Benjamin Le	F	1:30PM	3:55PM	0
<b>PSYC</b>	<b>H394B</b>				<b>Senior Research Tutorial in Behavioral Neuroscience</b>							
					This senior thesis tutorial examines the bidirectional relationship between the brain and behavior, emphasizing how hormones influence this relationship. Using a rodent model and cutting-edge neuroscience methodologies, students will design and conduct independent empirical projects in behavioral neuroendocrinology. Open to senior psychology majors.							
					Enrollment Limit: 10							
					<i>Attributes: Natural Science Neuroscience</i>							
					1164	001	1.0	Laura E. Been	F	1:30PM	3:55PM	0
					2485	002	1.0	Patrese Robinson-Drummer	F	1:30PM	3:55PM	0
<b>PSYC</b>	<b>H395B</b>				<b>Senior Research Tutorial in Cognitive Neuroscience</b>							
					This senior thesis tutorial involves designing and implementing projects using EEG methods to study aspects of human cognition. Specific topics vary, but often involve executive functions, attention, or emotion regulation. Open to senior psychology majors.							

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
					Enrollment Limit: 10 Attributes: Neuroscience Social Science 1166 001 1.0 Rebecca Compton	F	1:30PM	3:55PM		0
PSYC	H397B				<b>Senior Research Tutorial in Developmental Psychology</b> Open to Senior Psychology Majors Attributes: Social Science 1855 001 1.0 Ryan Lei	F	1:30PM	3:55PM		0
PSYC	H398B				<b>Senior Research Tutorial in Cultural Psychology</b> This senior thesis tutorial examines the influence of culture, ethnicity, and race on psychological processes. Topics on social behavior and support, emotion processes, and health and well-being are emphasized. Open to senior psychology majors. Enrollment Limit: 10 Attributes: Social Science 1174 001 1.0 Shu-wen Wong	F	1:30PM	3:55PM		0
PSYC	H480B				<b>Independent Study</b> This course involves independent research under the supervision of a faculty member and requires faculty invitation and approval. Enrollment Limit: 10 Attributes: Social Science 1522 001 1.0 TBA Department staff					0
PSYC	H480I				<b>Independent Study</b> This course involves independent research under the supervision of a faculty member and requires faculty invitation and approval. Enrollment Limit: 10 Attributes: Social Science 1523 001 .5 TBA Department staff 1555 002 .5 TBA Department staff 1571 003 .5 TBA Department staff					0 0 0
RELG	H106B				<b>The Sense and Senses of Islam</b> This course introduces students to the debates about the senses in Islam. What is the relationship between sound and the sacred, between the sensorium and the meanings of Islam? Course readings will include Sufi texts, works by Islamic scholars, ethnographies of Muslim musical practices, as well as philosophical works. Enrollment Limit: 35, 15 spaces reserved for First Years Lottery Preference(s): First Year students, majors, then minors Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Middle Eastern & Islamic Studies Visual Studies 2444 001 1.0 Guangtian Ha	M W	10:00AM	11:25AM		0
RELG	H119B				<b>Bible, Race and Sexuality</b> This course focuses on the interpretive history and historical contexts of a selection of biblical passages which form the core of "biblical" understandings of race, gender and sexuality. In comparative and historical textual exploration students will learn the variety of ways these texts have been understood across time and community, as well as how these same texts continue to provoke new interpretations and new understandings of race, gender and sexuality. Lottery Preference: Ten spaces reserved for first years. Enrollment Limit: 25.00 Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis of the Social World Gender and Sexuality Studies Humanities 2562 001 1.0 Naomi Koltun-Fromm	M W	2:30PM	3:55PM		0
RELG	H122B				<b>Introduction to the New Testament</b> An introduction to the New Testament and early Christian literature. Special attention will be given to the Jewish origins of the Jesus movement, the development of traditions about Jesus in the earliest Christian communities, and the social					

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
					contexts and functions of various texts. Readings will include non-canonical writings, in addition to the writings of the New Testament canon. Enrollment Limit: 35 <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>					
		1669	001	1.0	Anne Marie McGuire	T Th	10:00AM	11:25AM		0
<b>RELG</b>	<b>H186B</b>	<b>Reinventing Quakerism: Haverford College, Rufus Jones, and the Invention of Liberal Quakerism</b>								
					Quakerism isn't stable. It varies from place to place and from generation to generation. There is a real sense in which Orthodox Quakerism (the form of Quakerism that is most closely connected to Haverford College) was reinvented in the late nineteenth and early twentieth centuries. Students in this course will examine some of the changes that Orthodox Quakerism underwent between the 1860s and the 1940s by analyzing the life and thought of Rufus Jones (1863-1948). Jones is the most famous Quaker ever to teach at Haverford and one of most influential scholars ever produced by the Religious Society of Friends. Open only to first-year students as assigned by the Director of College Writing. Enrollment Limit: 12 <i>Attributes: First Year Writing</i>					
		2477	001	1.0	David Harrington Watt	T Th	1:00PM	2:25PM		0
<b>RELG</b>	<b>H208B</b>	<b>Sacred Matters: Material Dimensions of Religious Experience in South Asia</b>								
					An examination of the bodily, sensorial and emotional experience of things, substances, architecture, sculpture, landscape, textiles, and texts, the aesthetics of epic poetry, drama, song, dance in South Asian religious cultures. Topics may include how such practices inscribe religious experience, provide parameters for social organization, and offer religious critique. Prerequisite(s): One course in Religion or Visual Studies Enrollment Limit: 15 <i>Attributes: B: Analysis of the Social World Humanities Visual Studies</i>					
		2437	001	1.0	Pika Ghosh	T Th	10:00AM	11:25AM		0
<b>RELG</b>	<b>H222B</b>	<b>Gnosticism</b>								
					The phenomenon of Gnosticism examined through close reading of primary sources, including the recently discovered texts of Nag Hammadi. Topics include the relation of Gnosticism to Greek, Jewish, and Christian thought; the variety of Gnostic schools and sects; gender imagery, mythology and other issues in the interpretation of Gnostic texts. Enrollment Limit: 25 <i>Attributes: A: Meaning, Interpretation (Texts) Humanities</i>					
		2426	001	1.0	Anne Marie McGuire	M W	10:00AM	11:25AM		0
<b>RELG</b>	<b>H254B</b>	<b>RAP and Religion: Rhymes about God and the Good</b>								
					We will explore the origins, existential, and ethical dimensions of Rhythm and Poetry (RAP) music. Giving attention to RAP songs written and produced by African American artists, including Tupac, Nas, Jay-Z, The Roots, Lauryn Hill, and Kanye West, we will analyze their work with an interest in understanding a) the conceptions of God and the good reflected in them, b) how these conceptions connect to and reflect African American social and cultural practices, and c) how the conceptions under consideration change over time. Enrollment Limit: 25 Lottery Preference(s): Senior religion majors, then junior religion majors, then all others <i>Attributes: Africana Studies B: Analysis of the Social World Humanities</i>					
		1674	001	1.0	Terrance Wiley	T	7:30PM	9:55PM		0
<b>RELG</b>	<b>H257B</b>	<b>Yoga: Art, Text and Practice</b>								
					This course investigates the range of meanings attributed to the term yoga over two thousand years and across multiple geographical and cultural communities. These include exploring relationship between texts, images, and the practice of yoga in Hindu, Buddhist, and Jain communities, as well as modern manifestations associated with nationalist developments of the nineteenth century and global cosmopolitanisms and contemporary politics as part of ongoing transformations. Enrollment Limit: 15 <i>Attributes: B: Analysis of the Social World Humanities</i>					
		2440	001	1.0	Pika Ghosh	T Th	1:00PM	2:25PM		0
<b>RELG</b>	<b>H286B</b>	<b>Religion and American Public Life</b>								

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Subject	Cat Nbr	CLNbr	Sctn	Crđ	Instructor(s)	Days	Start	End	Room	Enrld	
					What is religious freedom? How have debates about the role of religion in public life shaped American politics? And how have anxieties about race, gender, and sexuality determined the limits and possibilities of religious freedom? Grounding contemporary political debates in their historical context, students analyze speeches, court cases, visual and popular culture, and political theory and philosophy to explore the complex relationship between religion and politics in the U.S. Enrollment limit: 25 Attributes: Humanities						
		2438	001	1.0	Molly Farneth	M W	11:30AM	12:55PM		0	
<b>RELG</b>	<b>H295B</b>	<b>Quakers, War, and Slavery, 1646-1877</b>									
		In the 1640s and 50s, many Quakers believed that Christians should fight in wars; none of them (as far as we know) believed that Christians ought not own slaves. By 1723, most Quakers had renounced war; a good many of them had begun to assert that owning slaves was contrary to the will of God. Students in this course will try to determine how—and also why—Quakers changed their minds about war and slavery. Crosslisted: Independent College Programs; Peace, Justice and Human Rights; Religion Prerequisite(s): First Year Writing Enrollment Limit: 15 Lottery Preference(s): Religion majors and PJHR concentrators Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Peace, Justice and Human Rights									
		2591	001	1.0	David Harrington Watt	W	1:30PM	3:55PM		0	
<b>RELG</b>	<b>H305B</b>	<b>Seminar in Religion, Ethics, and Society: Productivity and Rest</b>									
		We often think of rest as recovery from, and preparation for, a life devoted to work. But religions have other ways of thinking about rest – not merely as a break from the rat race, but as a reorientation to the divine and the world. In this course, students will read 20th and 21st century Jewish and Christian texts on work, productivity, and rest, and consider them in relation to contemporary conversations about work, time management, and the attention economy. Enrollment Limit: 15 Attributes: A: Meaning, Interpretation (Texts) Humanities									
		1388	001	1.0	Molly Farneth	T	1:30PM	3:55PM		0	
<b>RELG</b>	<b>H321B</b>	<b>Blackness in Islam: Race, Slavery and Gender in Early Muslim Culture</b>									
		This course uses medieval Arabic prose and poetry – most of them with English translations – as well as contemporary academic literature to introduce students to the intricate and embattled histories of Blackness in classical Islam. While our understanding of B/blackness in the Euro-American context is heavily determined by the constraining experience of the trans-Atlantic slave trade, notions of B/blackness and ideas of anti-racism also exhibit a wider and richer genealogy if we shift our attention to the wider Indian Ocean world that encompasses Africa, Arabia, Persia, and Asia. Pre-requisite(s): One course in Religion, Anthropology, Arabic or Middle Eastern Studies, or permission of the instructor Enrollment Limit: none Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities									
		2854	001	1.0	Guangtian Ha	Th	1:30PM	3:55PM		0	
<b>RELG</b>	<b>H399B</b>	<b>Senior Seminar and Thesis</b>									
		Senior Thesis Enrollment Limit: 25 Lottery Preference(s): Open only to Senior Religion Majors Attributes: A: Meaning, Interpretation (Texts) Humanities									
		1337	001	1.0	Kenneth A. Koltun-Fromm	M	1:30PM	3:55PM		0	
<b>RELG</b>	<b>H480B</b>	<b>Independent Study</b>									
		Independent Study 1338 001 1.0									
<b>RUSS</b>	<b>H002B</b>	<b>Elementary Russian Intensive</b>									
		Study of basic grammar and syntax. Fundamental skills in speaking, reading, writing, and oral comprehension are developed. Eight hours a week including conversation sections and language laboratory work.									

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
<i>Attributes: Humanities</i>										
	1461	001	1.5	Jane Robin Shaw		M T W Th F	2:30PM	3:25PM	STO205	0
<b>SOCL</b>	<b>H102B</b>	<b>Reproducing Difference: The Sociology of Taste, Consumption, and Lifestyle</b>								
A sociological examination of how consumption, lifestyle and taste come together to operate as a site of class difference and social reproduction.										
Enrollment Limit: 25										
<i>Attributes: B: Analysis of the Social World Social Science</i>										
	2277	001	1.0	Elise Herrala		T Th	10:00AM	11:25AM		0
<b>SOCL</b>	<b>H106B</b>	<b>Gender, Power, and Policy</b>								
The primary objective of this first-year seminar is to explore the social construction of gender and violence in the US. Gendered issues of conduct we will focus our attention on this semester include abortion, sexual discrimination in the workplace, rape or sexual assault, and domestic violence.										
Lottery Preference: First-year and sophomore students have priority over juniors and seniors.										
Enrollment Limit: 25.00										
<i>Attributes: B: Analysis of the Social World Gender and Sexuality Studies Social Science</i>										
	2746	001	1.0	Marla Kohlman		M W	2:30PM	3:55PM		0
<b>SOCL</b>	<b>H155B</b>	<b>Foundations in Social Theory</b>								
This seminar provides an introduction to sociology, to the doing of sociology, through an examination of selected major works in the discipline. We use these works as exemplifications of how we might do social theory, not as texts to be criticized. The two semesters of this course are autonomous; either semester in the sequence may be taken alone, and either semester may be taken first. Together, the two mesh into a systematically-constructed whole, leading to a more coherent perspective on the accomplishments and future tasks of sociology than either provides alone.										
Section 001 with Gould will highlight works by Durkheim and Freud (supplemented by a bit of Parsons, Mead, etc.).										
Section 002 with McKeever will highlight works by Durkheim, Mead, and Schutz.										
<i>Attributes: B: Analysis of the Social World Social Science</i>										
	2278	001	1.0	Matthew McKeever		M W	10:00AM	11:25AM		0
	2279	002	1.0	Elise Herrala		T Th	11:30AM	12:55PM		0
<b>SOCL</b>	<b>H215B</b>	<b>Quantitative Methods</b>								
An introduction to the use of statistics and quantitative data analysis in sociological research.										
Prerequisite(s): SOCL 155A or 155B, or instructor consent										
Enrollment Limit: 20										
<i>Attributes: B: Analysis of the Social World Quantitative Social Science</i>										
	1193	001	1.0	Matthew McKeever		M	1:30PM	3:55PM		0
<b>SOCL</b>	<b>H233B</b>	<b>Topics in Sociology: Social Issues and Inequalities</b>								
This course explores key contemporary research in particular fields within the discipline. The focus of the course changes across semesters and faculty who design it.										
<i>Attributes: Social Science</i>										
	2281	001	1.0	Marla Kohlman		M W	11:30AM	12:55PM		0
<b>SOCL</b>	<b>H450B</b>	<b>Senior Departmental Studies</b>								
Thesis work, two semesters required of majors in their senior year.										
<i>Attributes: Social Science</i>										
	1194	001	1.0	Matthew McKeever						0
	1195	002	1.0	Marla Kohlman						0
	1197	003	1.0	Elise Herrala						0
<b>SOCL</b>	<b>H460B</b>	<b>Teaching Assistant</b>								
Students may act as assistants in certain courses that they themselves have already completed. Responsibilities may include the opportunity to lead discussions, informal teaching assistance, a short list of advanced reading and a paper on an agreed topic.										

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		1196	001	1.0						0
<b>SOCL</b>	<b>H480B</b>	<b>Independent Study</b>								
		Research papers and reading courses on special topics related to the individual interests of advanced students.								
		Prerequisite(s): The instructor's approval of a research or reading proposal								
		1668	001	1.0						0
<b>SPAN</b>	<b>H002B</b>	<b>Elementary Spanish</b>								
		This course is the second part of the introduction to the Spanish language. We study grammar and vocabulary in order to learn about culture of the Spanish-speaking world and to communicate effectively. The focus is on engaging in conveying meaning. The course meets for five hours (5) a week: three hours (3) with the instructor, one (1) hour with a TA, and (1) mandatory study group hour. Both semesters need to be taken consecutively to receive credit. Students who take the first semester at HC have priority of enrollment in the second semester.								
		Prerequisite(s): SPAN 001 or instructor consent								
		Enrollment Limit: 18								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities</i>								
		2519	001	1.0	Catherine Schroeder	M W F	9:30AM	10:25AM		0
		2520	002	1.0	Catherine Schroeder	M W F	10:30AM	11:25AM		0
		2521	003	1.0	Ariana Huberman	M W F	11:30AM	12:25PM		0
<b>SPAN</b>	<b>H101B</b>	<b>Intermediate Spanish</b>								
		The main goals of this course are to strengthen and expand writing and conversational skills, with a focus on key social, cultural, and historical issues of the Spanish-speaking world. Vocabulary and grammar are taught within the context of the specific themes chosen to enhance students' familiarity with Hispanic societies and cultures. The course meets for five hours a week: three (3) hours with the instructor, (1) hour with a TA, and (1) mandatory study group hour.								
		Prerequisite(s): SPAN 100, Placement score, or instructor consent.								
		Enrollment Limit: 18								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities</i>								
		2522	001	1.0	Roxanna Colón-Cosme	M W	11:30AM	12:55PM		0
		2523	002	1.0	Gloria Lopez-Pesini	T Th	1:00PM	2:25PM		0
<b>SPAN</b>	<b>H102B</b>	<b>Advanced Intermediate Spanish</b>								
		This course aims to refine the student's ability to exercise critical analysis and to communicate effectively in Spanish (orally and in writing) by learning about a variety of cultural themes and literary genres and to prepare to take courses at the 200 level. The course meets for five hours a week: three (3) hours with the instructor, (1) hour with a TA, and (1) mandatory study group hour.								
		Prerequisite(s): SPAN 101, Placement score, or instructor consent.								
		Enrollment Limit: 18								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities</i>								
		2524	001	1.0	TBA Department staff	T Th	10:00AM	11:25AM		0
		2525	002	1.0	Ana López-Sánchez	T Th	11:30AM	12:55PM		0
<b>SPAN</b>	<b>H206B</b>	<b>Digitally Narrating Second Language Identities</b>								
		An exploration of the students' experience in bicultural/bilingual home, or abroad, and of the subjectivities they develop through their use of a second/foreign language. Readings include biographical texts by bilingual authors, and articles on the role of language in the construction of the self. This course is conducted in Spanish. Prerequisite(s): Interning/studying/known 2+ languages, or instructor consent.								
		Enrollment Limit: 15								
		<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Latin American, Iberian, and Latinx Studies</i>								
		2513	001	1.0	Ana López-Sánchez	T Th	2:30PM	3:55PM		0
<b>SPAN</b>	<b>H210B</b>	<b>Spanish and Spanish American Film Studies</b>								
		Exploration of films in Spanish from both sides of the Atlantic. The course will discuss approximately one movie per class, from a variety of classic and more recent directors such as Luis Buñuel, Carlos Saura, Pedro Almodóvar, Lucrecia Martel								

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					among others. The class will focus on the analysis of cinematic discourses as well as the films' cultural and historic background. The course will also provide advanced language training with particular emphasis in refining oral and writing skills. This course is conducted in Spanish. Crosslisted: Spanish, Comparative Literature. Prerequisite(s): SPAN 102, or placement, or instructor consent. Enrollment Limit: 15 Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Visual Studies					
	2514	001	1.0		Roberto Castillo Sandoval	W	1:30PM	3:55PM		0
<b>SPAN</b>	<b>H218B</b>	<b>Introduction to Magical Realism</b>								
		This course introduces the body of Latin American literature known as magical realism. The authors of the literary boom transculturate European cultural elements with aspects of criollo, indigenous and African traditions in their works. This style's leit motifs include folk beliefs, time and space warping, and the normalization of magic. Critical moments in Latin American history, such as the Cuban Revolution, the long history of dictatorships and strongmen, and the shadow cast by U.S. foreign policy and corporations, are essential to understanding these texts. Issues of race, gender, and class will be central in class discussions. This class can be taken in connection with the 300-level class on magical realism or independently. Pre-requisite(s): Students who completed SPAN 102 or placed into 200-300 level courses can take this course Enrollment Limit: 25.00 Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, Iberian, and Latinx Studies								
	2781	001	1.0		Ariana Huberman	M	1:30PM	3:55PM		0
<b>SPAN</b>	<b>H222B</b>	<b>Rethinking Latin America in Contemporary Narrative</b>								
		An examination of literary texts, cultural production and practices that address issues of coloniality, subalternity, gender violence, forced disappearance and displacement, among others. This course explores how the concept of "nation" has marginalised different identities (Indigenous people, women, LGBTQ+), how they have become targets of violence, and what are the connections between coloniality, racism, and forced disappearance as a current practice. However, this course highlights community practices of resilience and agency. For example: radical change from Indigeneity literary works to decolonial Indigenous movements, from genocide to testimonials and Commission of Truth, from forced disappearance to national search brigades and caravans of mothers looking for their beloved ones. This course is conducted in Spanish. Crosslisted: Spanish, Comparative Literature. Prerequisite(s): SPAN 102, placement, or instructor consent Enrollment Limit: 25 Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities								
	2857	001	1.0		Aurelia Gómez De Unamuno	T Th	10:00AM	11:25AM		0
<b>SPAN</b>	<b>H253B</b>	<b>Hispanic Caribbean Migration Tales</b>								
		Students will learn about different Hispanic Caribbean migratory experiences through a selection of short stories, novels, memoirs, and essays, as well as in film, and performative production. The tales featured in this course will consider how gender and sexuality shape migration experiences. The texts that will be analyzed are mostly originally written in Spanish. Crosslisted: Spanish, Comparative Literature Prerequisite(s): SPAN H102 or 200-300 level in the placement test Enrollment Limit: 25 Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, Iberian, and Latinx Studies								
	2570	001	1.0		Emily Sterk	M W	11:30AM	12:55PM		0
<b>SPAN</b>	<b>H273B</b>	<b>The Invention of Pablo Neruda: Poetics and Politics</b>								
		This course deals with the principal works of Pablo Neruda's long career as a poet. Close readings of his major poems will be accompanied by an examination of the criticism and reception of Neruda's poetry at different stages of his trajectory. Special attention will be paid to the creation and elaboration of Neruda's image as a poet, cultural icon, and political figure in Chile and in the Spanish-speaking world. This course is conducted in Spanish. Prerequisite(s): SPAN 102, placement, or instructor consent								



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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
Enrollment Limit: 25 Lottery Preference(s): Spanish majors, minors, and LAILS concentrators Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Latin American, Iberian, and Latinx Studies										
	2515	001	1.0	Roberto Castillo Sandoval	F	11:00AM	1:25PM			0
<b>SPAN</b>	<b>H308B</b>	<b>Blackness in Latin America</b>								
This course offers a historical and cultural approach to blackness in Latin America. Understood as an epistemological discourse and as embodied practices, blackness has been at the center of Latin American identity since colonial times. Taught in Spanish. Prerequisite(s): 200 level Spanish course Enrollment Limit: 15 Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities Latin American, Iberian, and Latinx Studies										
	2526	001	1.0	TBA Department staff	Th	1:30PM	3:55PM			0
<b>SPAN</b>	<b>H322B</b>	<b>Politics of Memory in Latin America</b>								
An exploration of the dynamics of memory, narration, censorship and oblivion after a period of state violence either under a dictatorship or an official democracy. This course analyses and compares literary genres (testimonies, diaries, poetry and fiction), visual archives, documentary films, practices and projects of memory (Parque por la Paz Villa Grimaldi, Museo de la Memoria in Chile, Museo Casa de la Memoria Indómita in Mexico, "sitios de memoria" and digital resources). Students will be able to compare debates, outcomes and current controversies of production of memory in Chile after the coup and dictatorship of Pinochet, and in Mexico after the repression of the student movement of '68 and the guerrilla movement. This course is conducted in Spanish. Cross-listed: Spanish, Comparative Literature, PJHR Attributes: Gender and Sexuality Studies Humanities Latin American, Iberian, and Latinx Studies Peace, Justice and Human Rights										
	2517	001	1.0	Aurelia Gómez De Unamuno	T Th	11:30AM	12:55PM			0
<b>SPAN</b>	<b>H331B</b>	<b>Liminal Bodies: Emotional Landscapes and Gender in Pan-Mediterranean Literatures and Cultures</b>								
The course explores gender in late medieval to 17th century Iberia, including canonical and lesser-known works, texts written by women, cultural materials, plays, and popular chapbooks. It will delve into specific analyses of the liminal representations of gender and sexuality in Ibero-romance materials, including a critical review of the limitations and liberties afforded by gender and giving special attention to the thematical evolution of gender across centuries in Pan-Mediterranean literatures and cultures. Taught in Spanish. Pre-requisite(s): Completed 102 or placement exam in 200-300 level courses or instructor consent. Lottery Preference: None Enrollment Limit: 15.00 Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Humanities Latin American, Iberian, and Latinx Studies										
	2884	001	1.0	Roxanna Colón-Cosme	W	1:30PM	3:55PM			0
<b>SPAN</b>	<b>H490B</b>	<b>Senior Departmental Studies</b>								
The course will consist of two one-semester parts. The first, taken in the fall semester, will have the format of a seminar under the supervision of one Spanish department faculty member. Students will also consult with other professors in the department (potential thesis directors). The purpose of this seminar is to prepare students for the research and writing their senior theses by 1) enhancing and refining the reading tools and critical approaches to Spanish and Latin American texts; 2) elucidating and contextualizing relevant aspects of literary history, theory, and culture 3) determining the thesis topic, key secondary sources and approach to be deployed in writing the thesis, and 4) polishing the skills and methods for successful research and proper use of available resources. Problems in literary and cultural analysis-selected with a view to their pertinence in relation to the group's interests-will be discussed through close readings of selected										

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					works of criticism or theory. The second semester will involve the process of writing the thesis under the supervision of individual professors.					
					<i>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities</i>					
					2554 001 1.0 Ariana Huberman					0
<b>STAT</b>	<b>H103B</b>				<b>Introduction to Probability and Statistics</b>					
					Basic concepts and methods of elementary probability and quantitative reasoning, with practical applications. Topics include: sample average and standard deviation, normal curves, regression, expected value and standard error, confidence intervals and hypothesis tests.					
					Crosslisted: Mathematics, Statistics					
					Prerequisite(s): Not open to students who have (a) placed into 121 or higher, (b) taken 118 or higher, (c) taken any other introductory statistics class at Haverford or Bryn Mawr, (d) received a score of 4 or 5 on the AP Statistics exam					
					Enrollment Limit: 30					
					<i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i>					
					2459 001 1.0 David Lippel	M W	1:00PM	2:25PM		0
<b>STAT</b>	<b>H203B</b>				<b>Statistical Methods and their Applications</b>					
					An introduction to statistical methods used to analyze data in the natural and social sciences. It covers descriptive statistics, the binomial and normal distributions, expected value and variance, confidence intervals and hypothesis testing, comparison of two samples, regression, and analysis of variance. A required computer lab, using R, is taught alongside this course.					
					Crosslisted: Mathematics, Statistics					
					Prerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instructor. consent. Students who have taken another introductory statistics course at Haverford or Bryn Mawr may only enroll in STAT 203 with instructor consent					
					Enrollment Limit: 20					
					<i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i>					
					1456 001 1.0 Lynne M. Butler	M W	11:30AM	12:55PM		0
					1457 00A .0 Lynne M. Butler	F	11:30AM	12:55PM		0
<b>STAT</b>	<b>H328B</b>				<b>Mathematical Statistics</b>					
					An introduction to mathematical theory of statistics. Topics include: Estimation, Hypothesis Testing, one-sample inference, two-sample inference, and regression. Additional topics may include: goodness-of-fit tests and analysis of variance.					
					Crosslisted: Mathematics, Statistics					
					Prerequisite(s): MATH 218					
					<i>Attributes: C: Physical and Natural Processes Natural Science</i>					
					2463 001 1.0 Weiwen Miao	T Th	10:00AM	11:25AM		0
<b>STAT</b>	<b>H361B</b>				<b>Applied Multivariate Statistical Analysis</b>					
					An introduction to multivariate statistical analysis. The course includes methods for choosing, fitting, and evaluating multiple regression models and analysis of variance models. A required computer lab, using R, is taught alongside this course.					
					Crosslisted: Mathematics, Statistics					
					Prerequisite(s): MATH 215 and one of the following: ECON 204, MATH 203, PSYC 200, SOCL 215					
					Enrollment Limit: 15					
					Lottery Preference(s): Math majors with statistics focus, then statistics minors, then by seniority					
					<i>Attributes: C: Physical and Natural Processes Natural Science Quantitative</i>					
					2471 001 1.0 Weiwen Miao	M W	2:30PM	3:55PM		0
					2472 00A .0 Weiwen Miao	F	2:30PM	3:55PM		0
<b>VIST</b>	<b>H108B</b>				<b>Real Work &amp; Dream Jobs: Visual Representations and Theories of Work</b>					
					An entry into theories of work, thinking critically and historically about the role of work in society, the promise of art as an ideal form of work, and the structural persistence of gendered, classed, and racial divisions of labor. Open only to first-year students as assigned by the Director of College Writing.					
					Enrollment Limit: 12					
					<i>Attributes: First Year Writing Gender and Sexuality Studies Visual Studies</i>					

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
		1781	001	1.0	Shannan Hayes	T Th	10:00AM	11:25AM		0
		1782	002	1.0	Shannan Hayes	T Th	11:30AM	12:55PM		0
<b>VIST</b>	<b>H110B</b>	<b>Foundations in Film Production</b>								
		The fundamentals of digital film production. Students will learn the grammar of key film genres and basic filmmaking craft, including cameras, lighting, sound techniques, and nonlinear editing, creating four short films in the genres of animation, experimental, documentary, and fiction.								
		Enrollment Limit: 8								
		Lottery Preference(s): Visual Studies minors, then First Years, then Sophomores.								
		Attributes: A: Creative Expression Humanities Visual Studies								
		2552	001	1.0	John Hancock Muse	T Th	10:00AM	11:25AM	VCAM201	0
<b>VIST</b>	<b>H203B</b>	<b>Ukiyo-e: The Art of Japanese Prints</b>								
		This course explores the evolution of Japanese woodblock prints, artists, collectors, and exhibition practices from the 17th century through the present day.								
		Crosslisted: East Asian Languages & Cultures, Visual Studies								
		Enrollment Limit: 15 Lottery Preference:: Major and minors in Eastern Languages & Cultures then Minors in Visual Studies.								
		Attributes: Humanities Visual Studies								
		1638	001	1.0	Erin Schoneveld	T Th	1:00PM	2:25PM	LUT230	0
<b>VIST</b>	<b>H226B</b>	<b>Imaging Public Sex Utopias: A Production Workshop</b>								
		This praxis course examines the tension between art and that which is considered obscene: queer porn, public shamelessness, and deviant sexualities such as kink and sex work. We will develop projects that explore the powerful potential of the utopian imagination using techniques of GIF animation, self portraiture, and video.								
		Lottery Preference: Visual Studies Minors								
		Enrollment Limit: 12.00								
		Attributes: A: Creative Expression Humanities Visual Studies A: Creative Expression Humanities Visual Studies								
		2755	001	1.0	Eva Wu	Th	2:30PM	3:55PM	VCAM201	0
		2755	001	1.0	Eva Wu	T	2:30PM	3:55PM	VCAM001	0
<b>VIST</b>	<b>H231B</b>	<b>Queer Road-Trip Films, Ancient and Modern</b>								
		The queer road-trip film has been gaining popularity as an outlet for exploring non-normative sexuality further marginalized on the road. We will examine the phenomenon of the queer road-trip narrative, approaching it from an unlikely starting point: the Ancient Mediterranean novels Satyrice and Leucippe and Clitophon. Both of these ancient novels dramatize road trips and travel narratives involving different combinations of queer characters; we'll pair them with a curated selection of contemporary queer road-trip films.								
		Crosslisted: GSST,VIST.								
		Enrollment Limit: 25.00								
		Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Humanities Visual Studies								
		2862	001	1.0	Robert S Santucci	F	1:30PM	3:55PM		0
<b>VIST</b>	<b>H232B</b>	<b>blaqueer eye: the look and feel of real</b>								
		Beginning with behind-the-scenes documentary of a female illusionist pageant The Queen (1968) and ending with the cancellation of HBO's ballroom reality television competition show Legendary (2021), this course finds interest in the textured lives of gender and sexually creative African descendants in the U.S. and how their lives have been translated into the terms black, queer, and trans in public imagination.								
		Lottery Preference: Visual Studies minors								
		Enrollment Limit: 15.00								
		Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gender and Sexuality Studies Humanities Visual Studies								
		2885	001	1.0	troizel xx Carr	W	1:30PM	3:55PM	VCAM001	0
<b>VIST</b>	<b>H233B</b>	<b>Decolonizing Visual Anthropology</b>								
		This is a hybrid video production and theory course which grapples with the entanglements between ethnographic film/documentary and colonial structures of power. We will bring a decolonizing lens to explore-through texts, screenings,								

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					and making films—major modalities in the field including sensory ethnography, indigenous media, and feminist experimental film. Crosslisted: Visual Studies, Anthropology Prerequisite(s): at least one course in Anthropology or Visual Studies Enrollment Limit: 8 Lottery Preference(s): Visual Studies minors and Anthropology majors/minors Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science Visual Studies					
		2548	001	1.0	Emily Hong	T	1:30PM	3:55PM	VCAM201	0
<b>VIST</b>	<b>H234B</b>				<b>documenting performance, performing documents</b> Performance documentation, performing documents, and documentary performance is the name of our game. How does one document live performance and maintain its active presence or is it something else entirely? How do we perform toward documentation? How do we make performances of documents—historical, cultural, theoretical, personal? In attempting to answer these questions, we will focus on film/cinema studies and a strain of performance studies pertaining to performance’s capacity for reproduction. Lottery Preference: Visual Studies minors Enrollment Limit: 15.00 Attributes: A: Creative Expression Humanities Visual Studies					
		2886	001	1.0	troizel xx Carr	M W	11:30AM	12:55PM	VCAM201	0
<b>VIST</b>	<b>H239B</b>				<b>Visions of Justice: Intersectionality and Legal Consciousness in Asian Cinema</b> This course aims to deepen our understanding of Asian law and society through independent films by Asian directors. We will analyze films that offer a window into individual and collective struggles for gender justice, freedom of expression, and environmental justice. Crosslisted: Visual Studies; Anthropology; East Asian Languages & Cultures; Peace, Justice and Human Rights Enrollment Limit: 15 Lottery Preference(s): Equal preference to Visual Studies minors, Anthropology majors/minors, Peace, Justice and Human Rights concentrators, and East Asian Languages & Cultures majors/minors Attributes: A: Meaning, Interpretation (Texts) Peace, Justice and Human Rights Social Science Visual Studies A: Meaning, Interpretation (Texts) Peace, Justice and Human Rights					
		2432	001	1.0	Emily Hong	Th	10:00AM	11:25AM	VCAM102	0
		2432	001	1.0	Emily Hong	T	10:00AM	11:25AM	VCAM001	0
<b>VIST</b>	<b>H253B</b>				<b>The Theory and Practice of Conceptual Art</b> In this course, the specific mid-20th C movement called Conceptual Art will be explored, as will its progenitors and its progeny. Students will study the founding manifestos, the canonical works and their critical appraisals, as well as develop tightly structured studio practica to embody the former research. The course invites artists, writers, activists, & cultural thinkers, those who want to know what it is to make things, spaces, situations, communities, allies, & trouble--without necessarily knowing how to draw, paint, sculpt, photograph, videotape, or film. Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies					
		2549	001	1.0	John Hancock Muse	M W	10:00AM	11:25AM	VCAM201	0
<b>VIST</b>	<b>H277B</b>				<b>Media and the Middle East</b> What can we learn about the Middle East by examining media? What can we about media by studying institutions of production and practices of consumption in the Middle East region? In this course, we will read ethnographies of media from the Middle East and look at and listen to media. We will explore cases from different countries, from Egypt to Syria, Turkey to Afghanistan, from Lebanon to Palestine/Israel. Crosslisted: VIST. Pre-requisite(s): 100-level course in social sciences, or humanities. Lottery Preference: Senior anthropology students have a priority to take the class. Enrollment Limit: 25.00 Attributes: B: Analysis of the Social World Social Science Visual Studies					
		1742	001	1.0	Zeynep Sertbulut	T Th	2:30PM	3:55PM		0

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Subject	Cat Nbr	CLNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
VIST	H305B				<b>Art and the Environment in East Asia</b> This course examines the relationship between environment and the arts in China and Japan. In particular, how artists engage with and respond to nature through varied modes of artistic production and exhibition. Crosslisted: East Asian Languages & Cultures, Environmental Studies, Visual Studies Enrollment Limit: 15 Lottery Preference(s): Sophomore standing or higher Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Environmental Studies Humanities Visual Studies					
	2500	001	1.0	Erin Schoneveld		W	1:30PM	3:55PM	VCAM201	0
VIST	H308B				<b>how to read black femme avatars</b> This course is an in-depth and engaged study of Uri McMillian's book Embodied Avatars: Genealogies of Black Feminist Art and Performance (NYU Press, 2015). In it, McMillian presents a history of visual and performance artists like Ellen Craft, Lorraine O'Grady, Adrian Piper, Nicki Minaj, whose oeuvres can be understood through the lens of black feminist study and theory. Lottery Preference: Visual Studies minors Enrollment Limit: 15.00 Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gender and Sexuality Studies Humanities Visual Studies					
	2887	001	1.0	troizel xx Carr		M	1:30PM	3:55PM	VCAM102	0
VIST	H480B				<b>Independent Study</b> Independent Study					
	1849	001	1.0							0
WRPR	H108B				<b>Real Work &amp; Dream Jobs: Visual Representations and Theories of Work</b> An entry into theories of work, thinking critically and historically about the role of work in society, the promise of art as an ideal form of work, and the structural persistence of gendered, classed, and racial divisions of labor. Open only to first-year students as assigned by the Director of College Writing. Enrollment Limit: 12 Attributes: First Year Writing Gender and Sexuality Studies Visual Studies					
	1690	001	1.0	Shannan Hayes		T Th	10:00AM	11:25AM		12
	1691	002	1.0	Shannan Hayes		T Th	11:30AM	12:55PM		13
WRPR	H111B				<b>Power, Place, and Film</b> This writing seminar introduces students to film analysis through the themes of power and place and covers topics such as colonialism and imperialism, immigration, inequality, etc. Open only to first-year students as assigned by the Director of College Writing. Enrollment Limit: 12 Attributes: First Year Writing Visual Studies					
	1463	001	1.0	Nimisha Ladva		M W	1:00PM	2:25PM		12
WRPR	H112B				<b>Global Solidarity and Local Actions: Interdependence, Social Change, and Haverford</b> This course embraces global interdependence while considering how individual identities relate to appropriate local civic actions. Participants review ideas and methods relevant for co-creating more just, inclusive, sustainable communities, advancing inquiry in dialogue with community-based partners of Haverford College. Enrollment Limit: 12 Lottery Preference(s): First Year students as assigned by the Director of the Writing Program Attributes: Environmental Studies First Year Writing Peace, Justice and Human Rights					
	2625	001	1.0	Eric Hartman		M W	2:30PM	3:55PM		12
WRPR	H132B				<b>Beethoven Then and Now</b> An exploration of Beethoven's life and works, considered in the context of changing aesthetic and cultural values of the last two centuries. Students will listen to Beethoven's music, study his letters and conversation books, and read some of the many responses his art has engendered. In their written responses to all of this material, students will think in new ways about Beethoven's music, his artistic personality, about the ideas and assumptions that have guided the critical					

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					reception of art and life. They will learn to cultivate their skills as readers and listeners while improving their craft as writers. Open only to first-year students as assigned by the Director of College Writing. Crosslisted: Music, Writing Program Enrollment Limit: 12 <i>Attributes: First Year Writing</i>					
		2475	001	1.0	Richard Freedman	M W	2:30PM	3:55PM	ROB200	12
<b>WRPR</b>	<b>H133B</b>	<b>The American West in Fact and Fiction</b>								
		An examination of the imagery of the American West. Using visual and verbal images, this course explores such diverse aspects of the West as cowboys, cartography, water rights, race and social class, technology, religion, prostitution, and landscape painting. Open only to member of the first-year class as assigned by the Director of College Writing. Enrollment Limit: 12 <i>Attributes: A: Meaning, Interpretation (Texts) First Year Writing</i>								
		2603	001	1.0	Emma Lapsansky	T Th	10:00AM	11:25AM		12
<b>WRPR</b>	<b>H135B</b>	<b>Health and Humanities</b>								
		Over the last few decades, "medical humanities" and "health humanities" programs have been popping up in health professional schools across the country. In these courses, students study works of art, literature, history, and philosophy in the hopes that these endeavors will help them become better healthcare providers. But what exactly are "the humanities"? How do they differ from "the arts" or "humanity" itself? And how does a humanistic education benefit healthcare providers and their patients? Open only to first-year students as assigned by the Director of College Writing. Enrollment Limit: 12.00 <i>Attributes: First Year Writing Health Studies</i>								
		2563	001	1.0	Jessica Hayden Libow	M W	11:30AM	12:55PM		12
		2564	002	1.0	Jessica Hayden Libow	M W	1:00PM	2:25PM		12
<b>WRPR</b>	<b>H139B</b>	<b>Does Representation Matter?</b>								
		In this course, students will explore theories of representation, along with critical race studies, structuralism and poststructuralism, global feminisms and neoliberalism, to think through contemporary discourses (like #Oscarssowhite and Girlboss Feminism) that claim representation matters when it comes to racial and gender justice. Lottery Preference: First year students as assigned by the Director of College Writing. Enrollment Limit: 12.00 <i>Attributes: Africana Studies First Year Writing Gender and Sexuality Studies</i>								
		2607	001	1.0	Connie McNair	T Th	10:00AM	11:25AM		11
		2608	002	1.0	Connie McNair	T Th	1:00PM	2:25PM		12
<b>WRPR</b>	<b>H150B</b>	<b>Approaches to Literary Analysis</b>								
		Intended like other sections of the Writing Program to advance students' critical reading and analytical writing skills, this course is geared specifically towards introducing students to the discipline that studies the literary traditions of the English language. One of its aims is to explore the broad range of thematic interests inherent in these traditions, sharing as they do common roots in the history of our language and its influences. The powers and limits of language; ideas of character and community, and the relation between person and place; heroic endeavor and the mystery of evil; loss and renovation these are among the themes to be tracked through various strategies of literary representation and interpretation in a variety of genres (epic, narrative, and poetry) and modes (realism, allegory, and romance), and across a range of historical periods. Our goal is to develop the vocabulary, skills, and knowledge necessary to understand not only how we decide what literary texts mean, but also how literary texts generate and contemplate meaning. Open only to first-year students as assigned by the Director of College Writing. Enrollment Limit: 12 <i>Attributes: First Year Writing</i>								
		1464	001	1.0	Joshua Kopin	T Th	10:00AM	11:25AM		12
		1465	002	1.0	Danielle Allor	T Th	10:00AM	11:25AM		12
		1466	003	1.0	Alexander Millen	T Th	10:00AM	11:25AM		12
<b>WRPR</b>	<b>H151B</b>	<b>Through the Looking Glass: Ancient Sexuality and Modern Queer Politics</b>								

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					<p>In this course, we will examine the influence of Greco-Roman antiquity on the way that we talk about sex and sexuality today, in particular, how queer people have used the Classics to define their own identities. There follows a series of questions: What is at stake when we see ourselves in the past? What does it mean to identify an ancient person as queer? In these histories, which elements are emphasized, which are left out?</p> <p>Lottery Preference: First year students as assigned by the Director of College Writing.</p> <p>Enrollment Limit: 12.00</p> <p>Attributes: <i>First Year Writing</i></p>						
		2613	001	1.0	Ryan Warwick	T Th	1:00PM	2:25PM		11	
<b>WRPR</b>	<b>H155B</b>	<b>Origin Stories: Narrating Asian America</b>									
		<p>In this course we will read a range of origin stories--creation narratives, memoirs, alter/native accounts of settler colonialism, and trickster tales--that delineate constructions of identity and constitutions of community with a focus on the ways in which writers and artists represent ongoing "encounters" between indigenous and imperial cultures, examining inventive work that play with genres ranging from the lyric to the epic to speculative fiction as a means of offering new ways of understanding history and imagining the future. Open only to first-year students as assigned by the Director of College Writing.</p> <p>Enrollment Limit: 12</p> <p>Attributes: <i>Asian American Studies First Year Writing</i></p>									
		1467	001	1.0	Theresa M. Tensuan	T Th	11:30AM	12:55PM		12	
<b>WRPR</b>	<b>H158B</b>	<b>Human Rights in the Age of Terror</b>									
		<p>This course examines the effect of terrorist attacks on the targeted population (or government) and strategies behind the recruitment and proliferation of such violence. While explicit rules govern behavior in the face of a terrorist attack, terrorism often makes a state vulnerable to bending laws and violating rights. Texts include the rules of interrogation from the Counterinsurgency Field Manual and legal memoranda from after 9/11 that narrowed the definition of torture in the Geneva Conventions.</p> <p>Lottery Preference: First year students as assigned by the Director of College Writing.</p> <p>Enrollment Limit: 12.00</p> <p>Attributes: <i>First Year Writing</i></p>									
		2632	001	1.0	Patricia Kennedy	T Th	1:00PM	2:25PM		12	
<b>WRPR</b>	<b>H186B</b>	<b>Reinventing Quakerism: Haverford College, Rufus Jones, and the Invention of Liberal Quakerism</b>									
		<p>Quakerism isn't stable. It varies from place to place and from generation to generation. There is a real sense in which Orthodox Quakerism (the form of Quakerism that is most closely connected to Haverford College) was reinvented in the late nineteenth and early twentieth centuries. Students in this course will examine some of the changes that Orthodox Quakerism underwent between the 1860s and the 1940s by analyzing the life and thought of Rufus Jones (1863-1948). Jones is the most famous Quaker ever to teach at Haverford and one of most influential scholars ever produced by the Religious Society of Friends. Open only to first-year students as assigned by the Director of College Writing.</p> <p>Enrollment Limit: 12</p> <p>Attributes: <i>First Year Writing</i></p>									
		2478	001	1.0	David Harrington Watt	T Th	1:00PM	2:25PM		0	