

# HAVERFORD College

## FALL 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.

#### Faculty-Approved Teaching Times

	1 00 00 0 00 00
M	1:30 PM-3:55 PM
М	7:30 PM-9:55 PM
MF	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
ΜWF	2:30 PM-3:25 PM
ΜW	11:30 AM-12:55 PM
ΜW	1:00 PM-2:25 PM
ΜW	2:30 PM-3:55 PM
ΜF	11:30 AM-12:55 PM
ΜF	2:30 PM-3:55 PM
Т	1:30 PM-3:55 PM
Т	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
WF	11:30 AM-12:55 PM
WF	1:00 PM-2:25 PM
WF	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 throughout the second semester.
J: half-credit course given throughout the second semester.

#### Academic Calendar

CADEMIC CALENDAR 202	24-25*		
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EMESTER I (FALL 2024)		SEMESTER II (SPRING 2025)	
Wednesday, August 28	First year and transfer students arrive	Monday, January 20	Martin Luther King Day - Classes not in session
Sunday, September 1	Residence Halls open for returning students	Tuesday, January 21	Classes begin at Haverford, Bryn Mawr, and Swarthmore
Monday, September 2	Labor Day – Classes not in session		
Tuesday, September 3	Classes begin at Haverford, Bryn Mawr, and Swarthmore	Friday, January 24	Last day to uncover Pass/Fail courses from previous semester
	<b>c</b> , , , ,	Wednesday, January 29	Final academic verification at Haverford and Bryn Mawr
Friday, September 6	Last day to uncover Pass/Fail courses from previous semester		Registration ends
Wednesday, September 11	Final academic verification at Haverford and Bryn Mawr	Friday, February 7	Last day to drop a credit at Haverford and Bryn Mawr
<i>//</i> 1	Registration ends	Friday, February 21	Faculty reports of concern to CSSP due
Friday, September 20	Last day to drop a credit at Haverford and Bryn Mawr		Academic Flexibility Petitions to CSSP due
Friday, October 4	Faculty reports of concern to CSSP due	Friday, March 7	First quarter classes end
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Academic Flexibility Petitions to CSSP due		Last day to request Pass/Fail, First Quarter courses only
Friday, October 11	Fall break begins at 4:00 p.m.		Spring break begins at 4:00 p.m.
Monday, October 21	Classes resume at 8:30 a.m.	Monday, March 17	Classes resume at 8:30 a.m.
Friday, October 25	First guarter classes end.		Second quarter classes begin
	Last day to request Pass/Fail, First Quarter courses only.	Wednesday, March 26	Last day to drop second quarter class
Friday, October 25 -	Family and Friends Weekend	Friday, March 28	Faculty reports of concern to CSSP due
Sunday, October 27	(Tentative)		Academic Flexibility Petitions to CSSP due
Monday, October 28	Second quarter class begin	Monday, April 7	Pre-Registration for fall semester begins
Monday, November 4	Pre-Registration for spring semester begins	Friday, April 18	Pre-Registration for fall semester ends
Wednesday, November 6	Last day to drop second quarter class		Major Declaration Forms due in Registrar's Office
Friday, November 8	Faculty reports of concern to CSSP due		Returning students' Financial Aid Applications due
	Academic Flexibility Petitions to CSSP due	Friday, May 2	Classes end at Haverford and Bryn Mawr
Friday, November 15	Pre-Registration for spring semester ends		Last day to request Pass/Fail, full semester & 2nd quarter courses
Wednesday, November 27	Thanksgiving break begins at 4:00 p.m.		All papers (except those in lieu of exams) and lab notebooks due
Monday, December 2	Classes resume at 8:30 a.m.	Saturday, May 3 -	Reading Period
Friday, December 13	Classes end at Haverford; optional Reading Day	Tuesday, May 6	
	Last day to request Pass/Fail, full semester & 2nd quarter courses	Monday, May 5 -	Senior Comprehensive Examinations
	All papers (except those in lieu of exams) due	Wednesday, May 7	Optional Final Examination Period
Saturday, December 14 -	Reading Period	Wednesday, May 7	Final Examination Period begins
Sunday, December 15		Saturday, May 10	Final examinations for Seniors due at 5:00 p.m.
Monday, December 16-	Final Examination Period	Monday, May 12	Senior Grades due in Registrar's Office by 5:00 p.m.
Friday, December 20		Friday, May 16	Semester II ends at noon
Friday, December 20	Semester ends at 12:00 noon		Final examinations for non-Seniors due at noon
	Final examinations due at 12:00 noon	Saturday, May 17	Commencement at Haverford College – 10:00 a.m.*
Friday, January 3	Final grades due in Registrar's Office by 12:00 noon		Commencement at Bryn Mawr College
rinday, sanddry S		Friday, May 23	Final grades due in the Registrar's Office by 12:00 noon
		Friday, May 23	Alumni Weekend
		Sunday, June 1	(Tentative)
		Juliay, Julie 1	*Subject to cha

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld

#### AFST H376A Literature and Politics of South African Apartheid

AFST	H376A Literature and Politics of South African Apartheid This course explores the history and historiography of South African apa	artheid from its in	ception in 1	948 to its democra	tic
	overthrow in 1994. We will consider the interplay between complex defini	itions of race, gen	der, nation a	and difference in	
	novels, plays, and poetry written during the apartheid years. We will al				
	aesthetics of literary production in a time of political oppression. What				
	in a cultural space rife with racial and social tensions? Authors will i	include Nadine Gord	imer, Alan Pa	aton, J.M.Coetzee,	
	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies.				
	Enrollment Limit: 15				
	Lottery Preferences: 1. English majors, 2. Africana Studies concentrator		by class yea	ar.	
	Attributes: A: Meaning, Interpretation (Texts) Africana Studies Huma	anities			
	1615 001 1.0 Laura McGrane	W	1:30PM	3:55PM	0
	1615 001 1.0 Laura McGrane	W	1:30PM	3:55PM	0
ANTH	H103A Introduction to Anthropology				
	An introduction to the basic ideas and methods of social anthropology. E	Examines major theo	retical and o	ethnographic conce	rns
	of the discipline from its origins to the present, such as family and ki				
	evolution, symbolism and representation, with particular attention to su	uch issues as race	and racism, o	gender and sexuali	ty,
	class, and ethnicity.				-
	Prerequisite(s): Not open to students who have completed BMC ANTH 102				
	Enrollment Limit: 40				
	Attributes: B: Analysis of the Social World Social Science				
	1439 001 1.0 Zolani Noonan-Ngwane	M W	11:30AM	12:55PM	0
ANTH	H265A Medical Anthropology				
	What does it mean to attempt a critical anthropology of the body, illnes	ss experience, dise	ase etiology	, healing practice	s,
	and the epistemology of contemporary biomedicine across a diverse group	of cultures and tr	aditions? The	is course seeks to	
	begin to answer this and other questions by examining the historical dev	velopment of the fi	eld of medica	al anthropology,	
	exploring the theoretical and philosophical underpinnings of the debates	s that have shaped	the field, an	nd examining the	
	methodological concerns and ethnographic investigations that have broade	ened the scope of i	ts inquiry. 1	Readings range from	m
	classical ethnographic writings, philosophical treatises, anthropologica	al theory, indigeno	us philosophe	ers, and first per	son
	accounts of illness and health.				
	Enrollment Limit: 25				
	Lottery Preference(s): 1.) Health Studies minors 2.) Anthropology majors	3 and minors			
	Attributes: B: Analysis of the Social World Health Studies Humanitie	<i>es</i>			
	1450 001 1.0 Michael D'Arcy	T Th	1:00PM	2:25PM	0
ANTH	H266A Sensory Ethnographic Methods				
	Through this course, students will develop ethnographic research and wri	iting skills using	sensory detai	il (taste, touch,	
	sight, sound, smell and feeling) to evoke people, places, and things. As				
	additional fieldwork and multimodal (e.g. photography, film) exercises.				
	Crosslisted: Anthropology, Visual Studies				
	Prerequisite(s): Any Anthropology course				
	Enrollment Limit: 15				
	Lottery Preference(s): Equal priority to Anthropology and Visual Studies	s students			
	Attributes: B: Analysis of the Social World Social Science Visual St	tudies			
	1864 001 1.0 Emily Teera-Hong	F	11:00AM	1:25PM	0
ANTH	H275A Race and Representation in Documentary Filmmaking				
	This is an introductory cross-listed (Visual Studies/Anthropology) produ	uction course on th	e theory and	practice of	
	documentary filmmaking through an exploration of race onscreen The obje				lda

documentary filmmaking through an exploration of race onscreen. The objective of the course is to enable students to build a critical awareness of the ways in which film and media in general perpetuate racist discourses and representations and explore how students can challenge such representations through their own filmmaking practices. As inspiration, we will watch and study a wide variety of innovative documentary films that bring alternative voices and histories to screen and

	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrl						
	read/watch filmmaker interviews. Classes will combine elements of a studio (shari	ng and crit	iquing film	making work	: in							
	progress) and seminar (discussing weekly themes).											
	Crosslisted: VIST.											
	Lottery Preference: Senior students in anthropology and visual studies have a pri- Enrollment Limit: 12.00	ority to ta	ake this cla	ISS.								
		ence Vis	ual Studies									
	1447 001 1.0 Zeynep Sertbulut	T Th	1:00PM	2:25PM		0						
NTH	H276A Global Media											
	This course takes an anthropological approach to examine social and cultural practices of media production, circulation, and											
	consumption. Drawing on ethnographic studies from around the world, it provides as											
	attention given to media by anthropologists. It examines cross-culturally how med											
	practice have been fundamental to the formation and transformation of subjectivit.	cies, colle	ctivities an	id social re	lations i	n						
	the contemporary world. Crosslisted: ANTH, VIST											
	Pre-requisite(s): 100-level course in social sciences, or humanities.											
	Lottery Preference: Senior anthropology students have a priority to take the class	3										
	Enrollment Limit: 25.00											
	Attributes: B: Analysis of the Social World Social Science											
	1449 001 1.0 Zeynep Sertbulut	T Th	11:30AM	12:55PM		0						
ANTH	H281A Introduction to Environmental Anthropology											
	An introduction to the ideas and methods central to environmental anthropology. Topics covered will include political											
	ecology, crises and uncertainty, indigeneity and community management.											
	Enrollment Limit: 25											
	Attributes: B: Analysis of the Social World Environmental Studies Social Scie		11 0000	10 5551		0						
	1867 001 1.0 Joshua Moses	T Th	11:30AM	12:55PM		0						
NTH	H303A History and Theory of Anthropology				4 - 1							
	The development of anthropological thought. Theories of society and the human sub	-	-									
	structure, and the culture concept. Structuralism, Marxist anthropology, the crist 1990s, postmodernism, the relationship between ethnography and history, and pract.	-		II LIE 19605	anu							
	Prerequisite(s): One course in ANTH, excluding BMC ANTH B303	fice encory	•									
	Attributes: B: Analysis of the Social World Social Science											
	1055 001 1.0 Zainab M. Saleh	Th	1:30PM	3:55PM		0						
NTH	H338A The Anthropology of Addiction: Substance, Community, and the Problem of											
	Care											
	This course explores the conceptual, methodological, and ethical complexities of n			2								
	anthropological inquiry. Together we will investigate what anthropologists, medi											
	people living with addiction can gain from ethnographic research. We will ask: he		J 1 1	-								
	understand the degree to which the phenomenon of addiction is socially, culturally	.y, and scie	entifically	constructed	i but also							
	experienced in intimate and often deeply painful ways? Crosslisted: HLTH.											
	Enrollment Limit: 15.00											
	Attributes: B: Analysis of the Social World Health Studies Social Science											
	<b>→</b>	W	1:30 PM	3:55PM		0						
NTH		W	1:30PM	3:55PM		0						
NTH	2655 001 1.0 Michael D'Arcy				e a	0						
NTH	2655 001 1.0 Michael D'Arcy H450A Senior Seminar: Research and Writing	and ethno	graphic rese	earch, write		0						
NTH	2655 001 1.0 Michael D'Arcy <b>H450A Senior Seminar: Research and Writing</b> The fall semester of the two-semester senior thesis seminar. Students do archival research prospectus, get training on ethics, and write a review of the anthropolog Attributes: Social Science	and ethnoo ogical lite	graphic rese rature on th	earch, write Meir area of								
	2655 001 1.0 Michael D'Arcy <b>H450A Senior Seminar: Research and Writing</b> The fall semester of the two-semester senior thesis seminar. Students do archival research prospectus, get training on ethics, and write a review of the anthropolog <i>Attributes: Social Science</i> 1058 001 1.0 Zolani Noonan-Ngwane	and ethno	graphic rese	earch, write		0						
ITH RAB	2655 001 1.0 Michael D'Arcy <b>H450A Senior Seminar: Research and Writing</b> The fall semester of the two-semester senior thesis seminar. Students do archival research prospectus, get training on ethics, and write a review of the anthropolog Attributes: Social Science	and ethnoo ogical lite	graphic rese rature on th	earch, write Meir area of								

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End Ro	om En	nrld
	Enrollment Limit: 20					
	Lottery Preference(s): 14 spaces reserved for incoming freshmen; (1) Freshman; (2)	(2) sophomore	; (3) Junio	r; (4)		
	major/Minor/Concentration; (5) Permission of Instructor	·				
	Attributes: A: Meaning, Interpretation (Texts) Humanities Middle Eastern/Cen	itral Asian/N	orth Africa	n Studies		
	1044 001 1.5 Manar Darwish	T Th	8:30AM	9:55AM	0	
	1045 00A .0 Manar Darwish Meets at Haverford	MWF	8:30AM	9:25AM	0	
	1046 00B .0 Manar Darwish Meets at Bryn Mawr	MWF	10:10AM	11:00AM	0	
ARTS	H101D Arts Foundation-Drawing (2-D)					
	A seven-week introductory course for students with little or no experience in dra	2				
	with a painter's eye. Composition, perspective, proportion, light, form, picture		ther fundam	entals will be		
	studied. We will work from live models, still life, landscape, imagination and ma Enrollment Limit: 15	lasterwork.				
	Lottery Preference: Fine Arts majors and minors					
	Attributes: A: Creative Expression Humanities Visual Studies					
	1133 001 .5 Jonathan C. Goodrich	Т	10:00AM	12:25PM	0	
ARTS	H101E Arts Foundation-Drawing (2-D)					
	A seven-week introductory course for students with little or no experience in dra	awing. Stude	nts will fi	rst learn how	to see	
	with a painter's eye. Composition, perspective, proportion, light, form, picture		ther fundam	entals will be		
	studied. We will work from live models, still life, landscape, imagination and ma	asterwork.				
	Enrollment Limit: 15					
	Lottery Preference: Fine Arts majors and minors					
	Attributes: A: Creative Expression Humanities Visual Studies 1143 001 .5 Jonathan C. Goodrich	т	10:00AM	12:25PM	0	
ARTS		1	IU:UUAM	IZ:ZJPM	0	
ARTS	<b>H103D</b> Arts Foundation-Photography This is a half-semester course to introduce the craft and artistry of photography	w to student	e with some	or no skills	in	
	photography. Students learn how to develop negatives, print enlargements, and print					
	and exposure time. This class also requires a two-hour workshop. The day and time					
	the first class. Offered in the first quarter.		1		2	
	Enrollment Limit: 12					
	Attributes: A: Creative Expression Humanities Visual Studies					
	1131 001 .5 TBA Department staff	М	1:30PM	3:55PM	0	
ARTS	H104D Arts Foundation - Sculpture					
	This is a seven-week, half semester course designed to provide an introduction to			-	-	
	Skills associated with organizing and constructing three-dimensional form will be		-			
	within a contemporary context. The first projects will focus on basic three-dimen- allow for greater individual self-expression and exploration. Various fabrication					
	basic mold making, and casting will be demonstrated in class. All fabrication te		2		5.	
	and no prior experience is required to successfully complete this course.	Children with	1 20 000010	a in accuit in	crabb,	
	Enrollment Limit: 15					
	Lottery Preference: Fine Arts majors and minors					
	Attributes: A: Creative Expression Humanities Visual Studies					
	1142 001 .5 Markus Baenziger	W	1:30PM	3:55PM	0	
ARTS	H104E Arts Foundation-Sculpture					
	This is a seven-week, half semester course designed to provide an introduction to			-	-	
	Skills associated with organizing and constructing three-dimensional form will be		-			
	within a contemporary context. The first projects will focus on basic three-dimen-		± ·	1 5		
	allow for greater individual self-expression and exploration. Various fabrication basic mold making, and casting will be demonstrated in class. All fabrication terms		-		-	
	and no prior experience is required to successfully complete this course.	chiliques will.	T DE COVETE	u in uetaii in	ciass,	
	Enrollment Limit: 15					

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Lottery Preference: Fine Arts majors and minors Attributes: A: Creative Expression Humanities Visual Studies					
	1135 001 .5 Markus Baenziger	W	1:30 PM	3:55PM		0
ARTS	H107D Arts Foundation-Painting					
	A seven-week introductory course for students with little or no experience in pai the handling of basic tools, materials and techniques. We will study the color th color, warms & cools, complementary colors, optical mixture, texture, surface qua life, landscape, imagination and masterwork. Enrollment Limit: 15	neory such a	as interacti	on of color	, value &	)
	Lottery Preference: Fine Arts majors and minors					
	Attributes: A: Creative Expression Humanities Visual Studies					
	1549 001 .5 Ying Li	Т	1:30PM	3:55PM		0
ARTS	H107E Arts Foundation-Painting					
	A seven-week introductory course for students with little or no experience in pai the handling of basic tools, materials and techniques. We will study color theory color, warms & cools, complementary colors, optical mixture, texture, and surface still life, landscape, imagination and masterwork. Enrollment Limit: 15 Lottery Preference: Fine Arts majors and minors	y such as in	nteraction c	f color, va	lue &	,
	Attributes: A: Creative Expression Humanities Visual Studies					
ARTS	1134     001     .5     Ying Li       H108E     Arts Foundation-Photography	Т	1:30PM	3:55PM		0
	photography. Students learn how to develop negatives, print enlargements, and pri and exposure time. This class also requires a two-hour workshop. The day and time the first class. Offered in the second quarter. Enrollment Limit: 15 Lottery Preference: Fine Arts majors and minors Attributes: A: Creative Expression Humanities Visual Studies 1132 001 .5 TBA Department staff					0
ARTS	H121E Foundation Printmaking: Relief Printing	11	1.00111	3.00111		0
11(10	A seven-week course covering various techniques and approaches to the art of the study of design principles and the expressive potential of the medium to create a Enrollment limit -15 Attributes: A: Creative Expression Humanities Visual Studies 1144 001 .5 Hee Sook Kim			· •	ing the	0
ARTS	H124E Foundation Printmaking: Monotype Basic printmaking techniques in Monotype medium. Painterly methods, direct drawin beginners in printmaking will be taught. Color, form, shape, and composition in 2 group critiques will be employed. Enrollment Limit: 15 Attributes: A: Creative Expression Humanities Visual Studies					
	2627 001 .5 Hee Sook Kim	W	1:30PM	3:55PM		0
ARTS	H225A Lithography: Materials and Techniques An intermediate course covering B/W and Color Lithography in plates. Combined met as Paper lithography and Monotype are explored during the course along with photo required along with experimental ones. Development of technical skills in traditi are necessary with successful creative solutions. A strong body of work following discussions and group critiques are held periodically. Additional research on the Attributes: A: Creative Expression Humanities Visual Studies	ographic app ional Lithoo g a specific	proaches. Ed graphy and p c theme is r	itioning of ersonal vis equired. In	images is ual study dividual	3

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Days	Start	End	Room	Enrld
		2586	001	1.0	) Hee Sook Kim			Т	10:00AM	12:25PM		0
ARTS	fabrica a range in clas Prerequ Enrollm	ourse is ation te e of syn ss. Cour uisite: ment Lim	s desig echniqu nthetic rse may ARTSH1 mit: 12	gned to ques. Em c mater by be re 1104 or 2	emphasis will be c rials and working repeated for credi repermission from	an in-depth introduc on wood and metal wo g with digital tools it. the instructor.	ction to a comprehensiv orking, and additional s including a laser cut	processes	s such as ca	sting proc	cedures for	
	Attribu				<i>Expression Humar</i> Markus Baenzige		lies	W	10:00AM	12:25PM		0
ARTS	photogr give cr materia gallery supplem organiz	ts are e raphic p ritical als in a y and mu ment the zed into	encoura prints insigh analog useum e e weekl o a loc	aged to which hts int or dig exhibit cly crit	express plastic to editing of ind gital formats nec tions, lectures a tiques. In additi	ividual approach to form, emotions and dividual student wor cessary to give cohe and a critical analy ion students produce	photography. Emphasis ideas about the physic ck and the use of the a erence to that work. St ysis of photographic se e a handmade archival b dards. Prerequisite: Fi dies	cal world. appropriate tudy of the equences in box to hous	. Work is cr te black-and ne photograph in books and use their wo	d-white pho by collect a researc brk, which	eekly to btographic tion, ch project	
		1147			) TBA Department			М	10:00AM	12:25PM		0
ARTS	are exp Complet artists work of	ts will pected t ted proj s' lectu f artist	build to crea jects w ure and ts who	d on the eate pro will be nd crits o influe	ojects that demon be exhibited at th s. Each student w wenced them.	nstrate the unique c he end of semester.	develop further their character of their chos Class will include wee ninute slide talk and d	sen media ekly crits	in making tl s, museum vi:	heir own a sits, visi	art. Lting	
		1412	001	1.0	) Ying Li	lities visual stat	1165	W	10:00AM	12:25PM		0
ARTS	photogr work. W related project his/her	ts produ raphic m Weekly c d critic t first r projec <i>utes: A:</i>	uce an materia classro cal tex semest ct. : Creat	extend als. Th coom cri exts gui ster and ative Ex	The sequence and solution of the sequence and	scale of the photogr ented by an extensiv the completion of th project second seme nities Visual Stud	r book or exhibition fo raphic prints are deter ve investigation of cla heir course work. This ester. At the end of ea dies	rmined by t assic photo two semes	the nature of cographic pic ster course of	of the stu- cture book consists o	dent's s and of the book	0
ARTS	the stu work.	Senio udent re	o <b>r Depa</b> eviews insigh	artment the de hts and	tal Studies lepth and extent c	of experience gained	d, and in so doing crea year the student is exp		nerent body (	of work ex		
	ALLINI	<i>utes: ни</i> 1138			) Ying Li			Т	7:00pm	9:00PM		0
ASTR	system Observa Prerequ Enrollm	l introd includi atory te	ductior ing pla elescop s): MAJ mit: 30	on to as anetary pes. ATH H118 30	ry surfaces and at	tmospheres; exoplane	nd evolution of stars; ets; and observational B121; Co-requisite(s):	projects	using the S			
Page 5	5 of 75									Last Upda	ated: 4/5/2024 4	4:36 PM

	Cat Nbr ClNb:	r Sctn	Crd	Instructor(s)					Days	Start	End	Room	Enrld
	1. Physics, astrophysics or astronomy majors												
	2. Sophomore	S		_									
	3. Physics &	astronomy	y mino	rs									
	4. First-yea:	rs											
	Attributes:	-				atural Scienc	e						
	1186			TBA Departm					ΜW	10:00AM	11:25AM	OBS	0
TR	H341A Advanced Topics: Observational Astronomy												
	Observing projects that involve using a CCD camera on a 16-inch Schmidt-Cassegrain telescope. Projects include spectroscopy; variable star photometry; H-alpha imaging; imaging and photometry of galaxies and star clusters; instruction in the use of											;	
	image proces reports are :			na CCD Came	ra operation	i. Students w	ork in group	S OI LWO W		LMAI IACUILY	supervisio	on. Formar	
	Prerequisite	-											
	Enrollment L:		112.04										
	Lottery Prefe												
	1. Astronomy		•										
	2. Astrophys:	-	s										
	3. Astronomy		0										
	4. Physics ma												
	5. Physics m												
	Attributes:	C: Physic	al and	Natural Pr	ocesses Na	atural Scienc	e Visual S	Studies					
	2196	6 001	1.0	Karen L. Ma	sters				М	7:30PM	9:55PM	OBS	0
ASTR	H404A Rese	earch in A	Astrop!	hysics									
	Intended for	those st	udents	who choose	to complete	an indonond			n ootwor	hunda unda	r the super	wision of	
					co comprece	з ан тнаерена	ent research	i project i	in astrop	Snysics unde	i che super	VISION OI	
	a faculty men				co compreed	e all'illidepella	ent research	i project i	II astro	Shysics unde	i che Super		
	a faculty men Prerequisite				00 00 00 00 00 00 00 00 00 00 00 00 00	е ан тнаерена	ent research	i project i	II ASULO <u>F</u>	Shysics unde	i the super		
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Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor (s)		Days	Start	End	Room	Enrld
		1409	003	1.0	Jessica Comstock		T Th	10:00AM	11:25AM		0
		1697	004	1.0	Jessica Comstock		ΜW	11:30AM	12:55PM		0
		1155	00A	.0	Lee Dietterich	Lab	Т	1:00PM	3:55PM	SHA118	0
		1155	00A	.0	Lee Dietterich	Pre-Lab	Т	1:00PM	2:25PM	SHA113	0
		1156	00B	.0	Nancy Maas	Pre-Lab	W	1:00PM	2:25PM	SHA113	0
		1156	00B	.0	Nancy Maas	Lab	W	1:00PM	3:55PM	SHA118	0
		1157	00C	.0	Lee Dietterich	Lab	Th	1:00PM	3:55PM	SHA118	0
		1157	00C	.0	Lee Dietterich	Pre-Lab	Th	1:00PM	2:25PM	SHA113	0
		1158	00D	.0	Nancy Maas	Lab	F	1:00PM	3:55PM	SHA118	0
		1158	00D	.0	Nancy Maas	Pre-Lab	F	1:00PM	2:25PM	SHA113	0
		1698	00E	.0	Lee Dietterich	Lab	F	8:30AM	11:25AM	SHA118	0
		1698	00E	.0	Lee Dietterich	Pre-Lab	F	8:30AM	9:55AM	SHA113	0

#### BIOL H217A Behavioral Neuroscience

Interrelations between brain, behavior, and subjective experience. The course introduces students to physiological
psychology through consideration of current knowledge about the mechanisms of mind and behavior.
Crosslisted: Psychology, Biology
Prerequisite(s): Any one of the following or instructor consent: PSYC 100, PSYC B105, BIOL H123, BIOL H124, BIOL H128, BIOL
H129, NEUR H100, Psychology AP Score 4
Enrollment Limit: 35
Lottery Preference(s): 1) Psych majors, neuroscience majors, and neuroscience minors, 2) sophomores, 3) other juniors and
seniors
Attributes: B: Analysis of the Social World C: Physical and Natural Processes Natural Science Neuroscience

### 14380011.0TBA Department staffBIOLH300AAdvanced Lab in Biology Sem 1

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. Each lab section enrollment is limited to 16.

Prerequisite(s): BIOL H200 and BIOL H201 with a grade of 2.0 or above, or instructor consent

Enrollment Limit: 32

Lottery Preference(s): Biology majors

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Attributes: C:	Physical	and	Natural	Processes	Natural Science	C: Physical	and Natural	Processes	Natural Science	
1433	001	.0	Geoffrey	Hutinet			М	1:00PM	2:25PM	0
1433	001	.0	Geoffrey	Hutinet			М	1:00PM	2:25PM	0
1431	00A 1	.0	Geoffrey	Hutinet			T Th	1:00PM	3:55PM	0
1432	00B 1	.0	Geoffrey	Hutinet			WF	1:00PM	3:55PM	0

#### BIOL H300D Advanced Lab in Biology Sem 1

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

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Subject	Cat Nbr ClNbr	Sctn	Crd	Instructor (s)	Days	Start	End	Room	Enrld
	Lottery Prefere	ence(s)	: Bio	logy majors					
	-			d Natural Processes Natural Science					
	1171	001		Geoffrey Hutinet	М	1:00PM	2:25PM		0
	1172	00A		Geoffrey Hutinet	T Th	1:00PM	3:55PM		0
	1173	00H		Geoffrey Hutinet	W F	1:00PM	3:55PM		0
IOL				iology Sem 1	WI	1.00111	5.55111		0
	One lecture and study in intere manipulation, i characterizatio electron micros given to studen basis. Enrollme Prerequisite(s) Enrollment Limi Lottery Prefere Attributes: C: 1174	d two la esting l includin on, with scopy; a nts pres ent in - ): Succa it: 32 ence(s) <i>Physica</i> 001	abora biolo ng po h emp and f regis the h essfu : Bio <i>al an</i> .5	tory periods per week. An introduction to the app gical questions. Techniques employed are drawn fro lymerase chain reaction (PCR) and site-directed mu hasis on circular dichroism and fluorescence spect luorescence-activated cell sorting (FACS) analysis tering for that lab section; students who do not p alf-semester module is by consent of instructor of l completion of BIOL H200A and B with grades of 2 logy majors d Natural Processes Natural Science Geoffrey Hutinet	om: cloning and n utagenesis; prote troscopy; immunof s. Preference for preregister will nly. .0 or higher, and M	ucleic aci in express luorescence a specifie be assigned instructo 1:00PM	ds (DNA and ion, purifi e, confocal c lab secti d on a spac r consent. 2:25PM	RNA) cation and and on will be	e
	1175	00A	.0	Geoffrey Hutinet	T Th	1:00PM	3:55PM		0
	1176	00B	.0	Geoffrey Hutinet	WF	1:00PM	3:55PM		0
	and computation Prerequisite(s) science course, Enrollment Limi Lottery Prefere Attributes: C: 1709	nal trad ): BIOL , or ins it: 16 ence(s) <i>Physic</i> 001	cking H200 struc : 1. al an 1.0	Junior & Senior Biology and Neuroscience Majors, 2 d Natural Processes Natural Science Roshan Jain	SYC 217/218 and a 2. Neuroscience m M	second 20 inors, 3. 1:00PM	0-level nat class year 2:25PM	5.	0
	1710	00A	.0	Roshan Jain	T Th	1:00PM	3:55PM		0
BIOL	This course int variations betw that links gene another. We wil then look beyon evolutionary me organisms. Prerequisite(s) Enrollment Limi	ween ord etic in: 11 look nd mode: echanism ): ): B: it: 25	s imp ganis: forma at m l sys ms, a IOL H	lution ortant links between developmental and evolutional ms are an important aspect of evolutionary change tion to final form of an organism, the fields of o odel developmental systems where mechanisms have b tems to comparative studies in a range of organism nd how underlying differences in development may a 200A and 201B with a grade of 2.0 or above, or ins d Natural Processes Natural Science Neuroscies	. Since developme development and e been elucidated i ms, considering h account for the d structor consent	nt can be volution c n remarkab ow these p	viewed as a learly impa le detail. rovide insi	process ct one We will ght into	
		-			<b>ጠ ጠ</b> ኤ	8.30714	Q. SEAM		$\cap$
RTOT.	2519	001	.5	Rachel Hoang	T Th	8:30AM	9:55AM		0
BIOL	2519 H314D Bioche	001 mistry:	.5 : Meta					nrotein	0

of their direct relevance to disease, abnormality and evolutionary adaptation. Prerequisite(s): BIOL H200A and B or instructor consent

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Days	Start	End	Room	Enrld
	Enrollm	ent Lim	it: 25									
				cal an	d Natural Processes	Natural Science						
		2520	001	.5	Robert Fairman			T Th	10:00AM	11:25AM		0
BIOL	H334E	Bioche	emistry	, of G€	ene Expression							
	express case st and cri and wri Pre-req	ion, and udies f tique s ting as uisite(	d how t rom pri cientif signmen s): BIC	these p imary s fic art nts.	se is to develop a for properties influence scientific literature ticles and gain skill 0 and BIOL H201 with	the regulation tha e to understand how ls of communicatio	t allows for proper disease can result n of scientific ide	r gene ex from mi eas and c	pression. T s-regulation oncepts via	he class w n. Student	ill use s will read	
	Enrollm											
	Attribu		-		d Natural Processes	Natural Science						
		2517			Amy Cooke			T Th	10:00AM	11:25AM		0
BIOL	H338E		atistic	-	s on collecting, ana		ing data mili		1 4 - + 1	+h	£	
	real da limitat Excel a Pre-req Lottery Enrollm	tasets, ions. nd R. uisite( Preferent ent Lim	we wil Along t s): BIC ence: E it: 25. <i>Physic</i>	Ll disc the way DL H200 Biology .00 cal and	the scientific proce cuss the logic behind y, we will learn to o OA and H201B with a o y majors d Natural Processes Lee Dietterich	d several foundatio detect misleading u	nal statistical tes ses of statistics a ve, or instructor o	sts and c and graph	onsider the	ir strengt	hs and	0
		2521	001		Lee Dietterich			T Th	8:30AM	9:55AM		0
BIOL	H380F	-			for Juniors			1 111	0.JUAM	9.JJAM		0
	work ma project	y take with a isite(s	the for final ): Inst	rm of a write- tructor Science .5 .5	t for approved study a guided series of re -up and presentation r consent e Jessica Comstock Lee Dietterich Geoffrey Hutinet	eadings with associ						0 0 0
BIOL	H400A	Senio	r Resea	rch Tu	utorial at Off-Campus	s Research Labs						
	laborat designa	h in an ory who ted on- isite(s	area c has vo campus ): BIOI	of cell oluntee and of L H300	l, or molecular biolo ered time and space a ff-campus supervisors and BIOL H301 with a	ogy is conducted un for a Haverford stu s.	dent. All students	enrolled	in Biology	-		
		1179	001	1.0	TBA Department staf	f						0
BIOL	laborat designa	h in an ory who ted on- isite(s	area c has vc campus ): BIOI	of cell oluntee and of L H3002	utorial at Off-Campus 1, or molecular biolo ered time and space : ff-campus supervisor: A and B with a grade	ogy is conducted un for a Haverford stu s.	dent. All students	enrolled		-		
	ATTIDU	<i>tes: Na</i> 1398	tural S 001			f						0
					TBA Department staf							U
BIOL	H403A	Senio	r kesea	ren Tu	utorial in Protein Ag	gregation and Dise	ase					

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s) Days Start End Room	Enrld
	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 1162 001 1.0 Robert Fairman	0
BIOL	H403F Senior Research Tutorial in Protein Aggregation and Disease 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 1163 001 .5 Robert Fairman	0
BIOL	H404A Senior Research Tutorial in Molecular Microbiology 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 1166 001 1.0 Eric Miller 1594 002 1.0 Eric Miller	0
BIOL	H405A Senior Research Tutorial In Marine Natural Product Drug Discovery 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 1152 001 1.0 Kristen Whalen	0
BIOL	H405F Senior Research Tutorial In Marine Natural Product Drug Discovery 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	-

	Cat Nbr ClNbr Scin Crd Instructor(s) Days Start End Room	E
	1153 001 .5 Kristen Whalen	0
ЪГ	H406A Senior Research Tutorial in Developmental Biology and Evolution	
	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.	
	Prerequisite(s): Instructor consent	
	Enrollment Limit: 7	
	Attributes: Natural Science	
	1168 001 1.0 Rachel Hoang	0
IOL	H406F Senior Research Tutorial in Developmental Biology and Evolution	
	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.	
	Prerequisite(s): Instructor consent	
	Enrollment Limit: 7	
	Attributes: Natural Science	
	1169 001 .5 Rachel Hoang	0
IOL	H407A Senior Research Tutorial in Bioarchitecture	
101	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.	
	Prerequisite(s): Instructor consent	
	Enrollment Limit: 7	
	Attributes: Natural Science	
	1164 001 1.0 Karl A. Johnson Th 8:30AM 9:25AM	0
OL	H407F Senior Research Tutorial in Bioarchitecture	
	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.	
	Prerequisite(s): Instructor consent	
	Enrollment Limit: 7	
	Attributes: Natural Science	
		0
	1165 001 .5 Karl A. Johnson	0
IOL		U
IOL	1165       001       .5       Karl A. Johnson         H409A       Senior Research Tutorial in Molecular Neurobiology         In this course we will use the zebrafish model system to ask "how do genes control behavior?" at multiple complementary	0
IOL	1165       001       .5       Karl A. Johnson         H409A       Senior Research Tutorial in Molecular Neurobiology	L
IOL	1165       001       .5       Karl A. Johnson         H409A       Senior Research Tutorial in Molecular Neurobiology         In this course we will use the zebrafish model system to ask "how do genes control behavior?" at multiple complementary	L
IOL	1165 001 .5 Karl A. Johnson H409A Senior Research Tutorial in Molecular Neurobiology 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	L
IOL	1165 001 .5 Karl A. Johnson H409A Senior Research Tutorial in Molecular Neurobiology 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	L
IOL	1165 001 .5 Karl A. Johnson H409A Senior Research Tutorial in Molecular Neurobiology 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.	0
DIOL	1165 001 .5 Karl A. Johnson H409A Senior Research Tutorial in Molecular Neurobiology 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	U
BIOL	1165 001 .5 Karl A. Johnson H409A Senior Research Tutorial in Molecular Neurobiology 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	0
JIOL	1165 001 .5 Karl A. Johnson H409A Senior Research Tutorial in Molecular Neurobiology 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	0

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

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Days	Start	End	Room	Enrld
	literat Prerequ Enrollm	ure and lisite(s lent Lim l <i>tes: Na</i>	various ): Instr it: 7 <i>tural S</i>	s oppo ructo <i>cienc</i> e	ortunities to ho r consent e Neuroscienco	one scientific c	motor control, anxiety, ommunication skills will		-		primary	<u>,</u>
		1178	001		Roshan Jain							0
BIOL	at the m genetic dataset regulat student and ora Prerequ Enrollm	wurse wi molecul s, syste to deve ion to p s will forma isite(s ment Lim	<pre>ll focus ar level ems biol elop net physiold explore t to hor ): Inst: it: 7</pre>	s on h l. Stu logy, w tool ogical the s ne the ructor	how RNA regulat: udents will app: bioinformatics ls and cell-line l events such as scientific lite:	roach this probl and mammalian t es in order to u s amino acid tra rature and have communication sk	RNA-binding proteins dic em using a range of tech issue culture. Students ncover the molecular mec nsport in skeletal muscl opportunities to present ills.	nniques inc will use a chanisms of e cells. A	luding bioc n establish RNA regula s a supplem	hemistry, ed functi tion and ent to la	molecular onal genomic connect this b work,	
		1182	001	1.0	Amy Cooke							0
BIOL	at the m genetic dataset regulat student and ora Prerequ Enrollm	wurse wi molecul s, syst to deve ion to p s will forma isite(s went Lim	<pre>ll focus ar leve ems bio elop net physiol explore t to hon ): Inst: it: 7</pre>	s on h l. Stu logy, w tool ogical the s ne the ructor	how RNA regulat: udents will app: bioinformatics ls and cell-line l events such as scientific lite:	roach this probl and mammalian t es in order to u s amino acid tra rature and have communication sk	RNA-binding proteins dic em using a range of tech issue culture. Students ncover the molecular mec nsport in skeletal muscl opportunities to present ills.	nniques inc will use a chanisms of e cells. A	luding bioc n establish RNA regula s a supplem	hemistry, ed functi tion and ent to la	molecular onal genomic connect this b work,	
		1185	001	1.0	Amy Cooke							0
BIOL	Approac pollina general literat Pre-req Lottery Enrollm	course thes inc. tor beh izable ure and uisite( Prefer ent Lim	we will lude gen avior as skills, various s): Inst ence: No it: 7	l use netic ssays, like s oppo tructo one (1	wild Mimulus fi mapping, plant , mathematical r experiment des: ortunities to he or consent this is a senio:	transformation, modeling and 3D ign, data analys one scientific c r capstone cours	explore how plants adap gene expression analysi printing. Students will is, and basic molecular ommunication skills will e for Biology Majors)	s, populat have oppor lab skills	ion genetic tunities to . Explorati	s simulat learn ma on of the	ion, ny	
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BIOL	Approac pollina general literat Pre-req Lottery	Senior course thes inc. tor beh izable ure and uisite(	r Resear we will lude gen avior as skills, various s): Inst ence: No	rch Tu l use netic ssays, like s oppo tructo	utorial in Evolu wild Mimulus f: mapping, plant , mathematical n experiment des: ortunities to he or consent	transformation, modeling and 3D ign, data analys one scientific c	<pre>s explore how plants adap gene expression analysi printing. Students will is, and basic molecular ommunication skills will e for Biology Majors)</pre>	s, populat have oppor lab skills	ion genetic tunities to . Explorati	s simulat learn ma on of the	ion, ny	~

Enrollment Limit: 7

	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrl
	Attributes: C: Physical and Natural Processes Natural Science 1378 001 .5 Foen Peng					0
OL	H450E Advanced Topics in Biology					
	A seminar course exploring the primary literature in a specialized area of cell and current and historically important original papers as well as pertinent review arti- provide the opportunity for students to demonstrate their ability to critically eva- of their major discipline. Prerequisite(s): BIOL H300 and BIOL H301 with a grade of 2.0 or above, or instructor	cles. Ora luate cur	l presenta rent liter	tions and w	ritten work	
	Enrollment Limit: 15 Lottery Preference(s): (1) Senior Haverford Biology majors ,(2) other seniors, (3)	junior Ha	verford Bi	ology major:	S	
	Attributes: Natural Science Scientific Computing	-				
	1446 001 .5 Jay Lunden	Т	7:30PM	9:55PM		0
IOL	H456D Advanced Topics in Biology of Marine Life					
	abiotic/biotic organismal interactions, symbiosis, energy production, human impacts Crosslisted: Biology, Environmental Studies Prerequisite(s): BIOL H300 and BIOL H301 with a grade of 2.0 or above, or instructor Enrollment Limit: 15 Lottery Preference: (1) Senior Biology majors (2) Seniors (3) Junior Biology majors	r consent	5			
	Attributes: Environmental Studies Natural Science	•				
IOL	Attributes: Environmental Studies       Natural Science         2518       001       .5         Kristen Whalen         H499J       Senior Department Studies	T Th	2:30PM s; senior	3:55PM	tings,	0
BIOL	Attributes: Environmental Studies       Natural Science         2518       001       .5       Kristen Whalen         H499J       Senior Department Studies         Participation in the department's seminar series; attendance at seminars by visiting consisting of presentation and discussion of research plans and research results by to the senior year in biology.         Prerequisite(s): Department consent         Attributes: Natural Science	T Th g speaker students	s; senior ; and clas	seminar mee s activitie:	J .	-
	Attributes: Environmental Studies Natural Science 2518 001 .5 Kristen Whalen H499J Senior Department Studies Participation in the department's seminar series; attendance at seminars by visiting consisting of presentation and discussion of research plans and research results by to the senior year in biology. Prerequisite(s): Department consent	T Th g speaker	s; senior	seminar mee	J .	0
BIOL	Attributes: Environmental Studies       Natural Science         2518       001       .5       Kristen Whalen         H499J       Senior Department Studies         Participation in the department's seminar series; attendance at seminars by visiting consisting of presentation and discussion of research plans and research results by to the senior year in biology.         Prerequisite(s): Department consent         Attributes: Natural Science         1170       001       .5         Amy Cooke         H111A       Chemical Structure and Bonding         Structure and bonding in molecules starting from nuclear and electronic structure on theories of chemical bonding that rationalize and predict the structures and bulk praise introduces modern instrumental and computational methods used to study chemical Three lectures and one lab period per week required.         Attributes: Biochemistry and Molecular Biology       C: Physical and Natural Processes         1533       001       1.0       Gordon Peterson         1250       002       1.0       Gordon Peterson         1271       003       1.0       Clyde Daly	T Th g speaker students M f atoms. roperties l structu <i>Natural</i> M W F M W F M W F	s; senior ; and class 2:30PM This course of molecu re and bond Science 8:30AM 9:30AM 10:30AM	seminar mee's activities 3:55PM e introduces les and mate ding. Quantitati 9:25AM 10:25AM 11:25AM	s related s the erials. It	0
	Attributes: Environmental Studies       Natural Science         2518       001       .5       Kristen Whalen         H499J       Senior Department Studies         Participation in the department's seminar series; attendance at seminars by visiting consisting of presentation and discussion of research plans and research results by to the senior year in biology.         Prerequisite(s): Department consent         Attributes: Natural Science         1170       001       .5         Amy Cooke         H111A       Chemical Structure and Bonding         Structure and bonding in molecules starting from nuclear and electronic structure on theories of chemical bonding that rationalize and predict the structures and bulk pralso introduces modern instrumental and computational methods used to study chemica.         Three lectures and one lab period per week required.         Attributes: Biochemistry and Molecular Biology       C: Physical and Natural Processes         1533       001       1.0       Gordon Peterson         1250       002       1.0       Gordon Peterson         1271       003       1.0       Clyde Daly         1551       004       1.0       Clyde Daly	T Th g speaker students M f atoms. roperties l structu Natural M W F M W F M W F M W F M W F	s; senior ; and class 2:30PM This course of molecu re and bond Science 8:30AM 9:30AM 10:30AM 11:30AM	seminar mee's activities 3:55PM e introduces les and mate ding. Quantitati 9:25AM 10:25AM 11:25AM 12:25PM	s the erials. It ve	0 0 0 0 0
	Attributes: Environmental Studies       Natural Science         2518       001       .5       Kristen Whalen <b>H499J</b> Senior Department Studies         Participation in the department's seminar series; attendance at seminars by visiting consisting of presentation and discussion of research plans and research results by to the senior year in biology.         Prerequisite (s): Department consent         Attributes: Natural Science         1170       001       .5         Amy Cooke <b>H11A</b> Chemical Structure and Bonding         Structure and bonding in molecules starting from nuclear and electronic structure on theories of chemical bonding that rationalize and predict the structures and bulk period per week required.         Attributes: Biochemistry and Molecular Biology       C: Physical and Natural Processes         1533       001       1.0       Gordon Peterson         1250       002       1.0       Gordon Peterson         1271       003       1.0       Clyde Daly         1551       004       1.0       Clyde Daly         1551       004       1.0       Kelly Ginion Matz	T Th g speaker students M f atoms. roperties l structu Natural M W F M W F M W F M W F T	s; senior ; and class 2:30PM This course of molecu re and bond Science 8:30AM 9:30AM 10:30AM 11:30AM 1:00PM	seminar mee's activities 3:55PM e introduces les and mate ding. Quantitati 9:25AM 10:25AM 11:25AM 12:25PM 3:55PM	s the erials. It ve ESTW305	0 0 0 0 0 0
	Attributes: Environmental Studies       Natural Science         2518       001       .5       Kristen Whalen         H499J       Senior Department Studies         Participation in the department's seminar series; attendance at seminars by visiting consisting of presentation and discussion of research plans and research results by to the senior year in biology.         Prerequisite(s): Department consent         Attributes: Natural Science         1170       001       .5         Amy Cooke         H111A       Chemical Structure and Bonding         Structure and bonding in molecules starting from nuclear and electronic structure on theories of chemical bonding that rationalize and predict the structures and bulk pralso introduces modern instrumental and computational methods used to study chemica.         Three lectures and one lab period per week required.         Attributes: Biochemistry and Molecular Biology       C: Physical and Natural Processes         1533       001       1.0       Gordon Peterson         1250       002       1.0       Gordon Peterson         1271       003       1.0       Clyde Daly         1551       004       1.0       Clyde Daly	T Th g speaker students M f atoms. roperties l structu Natural M W F M W F M W F M W F M W F	s; senior ; and class 2:30PM This course of molecu re and bond Science 8:30AM 9:30AM 10:30AM 11:30AM	seminar mee's activities 3:55PM e introduces les and mate ding. Quantitati 9:25AM 10:25AM 11:25AM 12:25PM	s the erials. It ve	0 0 0 0 0 0

theories of chemical bonding that rationalize and predict the structures and bulk properties of molecules and materials. It also introduces modern instrumental and computational methods used to study chemical structure and bonding. This is a more intensive offering of CHEM 111 designed for students with little or no experience in chemistry. Prerequisite(s): Placement by the Chemistry Department.

Survey of organic chemistry reactions in an aqueous environment, highlighting transformations important for understanding the properties and reactivity of biomolecules in the cell, with emphasis on functional groups, acids and bases, chirality, energetics, reaction mechanisms, enzyme inhibitors and drug design.         One lab per week required.       Prerequisite(s): CHEM HIL1 Or CHEM HIL3; and CHEM 104 or CHEM HIL2 or CHEM HIL4. Alternatively, students who have taken a two semester General Chemistry course elsewhere (for instance, CHEM BI03 and CHEM BI04) must, prior to the start of CHEM HIL2; demonstrate knowledge (by a self-scheduled exam) of common organic functional group structures and spectroscopic methods (as covered by CHEM HIL1, CHEM HIL3 and CHEM HIL5); students should contact the Department chair the instructor immediately after preregistration to obtain access to a self-guided course centered on these topics.         Attributes: Dichemistry and Molecular Biology C: Physical and Natural Processors       Natural Science         1237 001 1.0 Leah Seebald       M W F 8:30AM 9:25AM 0         1414 002 1.0 TAB Department staff       M W F 10:30AM 11:25AM 0         1238 00A .0 Alberto Lopez       M 1:00PM 3:55PM ESTM307 0         1230 00E .0 Alberto Lopez       T 1:00PM 3:55PM ESTM307 0         1240 00C .0 Alberto Lopez       T 1:00PM 3:55PM ESTM307 0         1240 00C .0 Alberto Lopez       Th 1:00PM 3:55PM ESTM307 0         1687 00D .0 Alberto Lopez       Th 1:00PM 3:55PM ESTM307 0         1697 00D .0 Alberto Lopez       Th 1:00PM 3:55PM ESTM307 0         1697 00D .0 Alberto Lopez       Th 1:00PM	Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
1240     001     1.0     Theress D. Gaines     N N F     9:33AN     10:25A     0       1251     00A     .0     Kelly Gaine Mate     N     1:00PN     3:55FM     ESTM305     0       1253     00C     .0     Kelly Gaine Mate     N     1:00PN     3:55FM     ESTM305     0       1254     00C     .0     Kelly Gaine Mate     F     1:00PN     3:55FM     ESTM305     0       NEW     B22A     Organic Sciological Chemistry     F     1:00PN     3:55FM     ESTM305     0       NEW     B22A     Organic Sciological Chemistry     F     1:00PN     3:55FM     ESTM305     0       NEW     Feerenglistics (a): CHEM HIL or CHEM HILS or CHEM HILS or CHEM HILS or CHEM HILS or chemistry     F     1:00PN     3:55FM     ESTM305     0       Organic Science (a): CHEM HIL or CHEM HILS or CHEM HILS or CHEM HILS or CHEM HILS and CHEM HILS or CHEM HILS or CHEM HILS or CHEM HILS (A) mater and					ecular	Biology C: Physical and Natural Processes	Natural	Science	Quantitativ	70	
1251     00.0     .0     Relly Ginlon Marx     T     1:000M     3:550M     EXTMODE     0       1253     00C     .0     Relly Ginlon Marx     T     1:000M     3:550M     EXTMODE     0       1254     00C     .0     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE     0       1254     00C     .0     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE     0       1254     00C     .0     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE     0       1254     00C     .0     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE     0       1254     00C     .0     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE     0       1252     00C     .0     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE     0       1252     00C     .0     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE     0       1252     00C     .0     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE       1262     127     Recenthered Hills     Relly Ginlon Marx     F     1:000M     3:550M     EXTMODE <td></td> <td></td> <td>1248</td> <td>001</td> <td>1.0</td> <td>Theresa D. Gaines</td> <td>T Th</td> <td>9:00AM</td> <td>9:55AM</td> <td></td> <td>0</td>			1248	001	1.0	Theresa D. Gaines	T Th	9:00AM	9:55AM		0
1252       000       0       Reily Ginico Marz       N       1100NM       3:557M       EST20205       0         1254       000       .0       Kelly Ginico Marz       F       1:00NM       3:557M       EST20205       0         HEM       H22A       Organic Chemistry       Exclusion       Anna       F       1:00NM       3:557M       EST20205       0         BEM       H22A       Organic Chemistry       Exclusion       Anna       Anna       Estatus       F       1:00NM       3:557M       EST20205       0         BEM       H22A       Organic Chemistry       Estatus       F       1:00NM       3:557M       EST20205       0         One inclosed mean       Estatus       F       1:00NM       3:557M       EST20205       0         One inclosed mean       Estatus       F       1:00NM       3:557M       EST20205       0         One inclosed mean       Estatus       F       Estatus       F			1248	001	1.0	Theresa D. Gaines	ΜWΕ	9:30AM	10:25AM		0
1233 00C .0 xellý Ginion Matr     Th     1:007H     3:55FH     BUTW305 0       NOR     1224 000 .0 xellý Ginion Matr     F     1:007H     3:55FH     BUTW305 0       NOR     722A     Organic Biological Chemistry     F     1:007H     3:55FH     BUTW305 0       NOR     722A     Organic Biological Chemistry     F     1:007H     3:55FH     BUTW305 0       NOR     72A     Organic Chemistry Pactions in an aqueous environment, highlighting transformations important for understanding chemistry course all environment, highlighting transformations important for understanding contrast in the coll, with emphasis on functional group structures and bases, chirality, environment, highlighting transformation important for understanding course all environment, highlighting transformations important for understanding course into the chemistry course all environment, highlighting transformations important for understanding course into the chemistry course all environment, highlighting transformations important for understanding course into the chemistry course all environment, highlighting transformations important for understanding course into the chemistry course all environment, highlighting transformations important for understanding course into the chemistry courses and course into the chemistry courses and course into the chair transformation into course into the chair transformation into course into the chair transformation interestand into course into the chair transformation inter			1251	00A	.0	Kelly Ginion Matz	Т	1:00PM	3:55PM	ESTW305	0
1231     UOC     0.0     Reliv Ginion Matz     Th     1:00PK     3:55PM     BETM305     0       NEM     M22A     Organic Biological Chemistry     F     1:00PK     3:55PM     BETM305     0       NEM     M22A     Organic Biological Chemistry     F     1:00PK     3:55PM     BETM305     0       NEM     M22A     Organic Biological Chemistry     F     1:00PK     3:55PM     BETM305     0       NEM     Construction machanism, enzyme in thibitors and drug design.     Construction machanism, enzyme inhibitors and drug design.     Constructions and the second drug d			1252	00B	.0	Kelly Ginion Matz	W	1:00PM	3:55PM	ESTW305	0
124         0.0         .0         Naily Ginian Matz         P         1:0078         3:5578         Rutw305         0           HEM         H22A         Organic Bological Chemistry         Survey of organic chemistry reactions in an aqueous environment, highlighting transformations important for understanding the properties and reactivity of biomolecules in the cell, with meghasis on functional groups, acids and bases, chirality, energetics, reaction mechanisms, enzyme inhibitors and drug design.         Coe         Description         Description <thdescription< th="">         Description</thdescription<>						-					
Survey of organic chemistry reactions in an aqueous environment, highlighting transformations important for understanding the properties and reactivity of biomolecules in the cell, with memphasis on functional groups, solds and bases, chirality, energetics, reaction mechanisms, enzyme inhibitors and drug design. One lab per week required. Prerequisite(s): CEEN EIII or CHEM HI13 or CHEM HI15; and CHEM 104 or CHEM H112 or CHEM H114. Alternatively, students who have taken a two semester General Chemistry course elsewhere (for instance, CHEM BI03 and CHEM BI04) must, prior to the start of CHEM AZ22, demonstrate knowledge (by a self-scheduled exam) of common organic functional groups structure and spectroscopic methods (as covered by CHEM H111, CHEM H113) and CHEM H113) students should contact the Department Chair the instructor immediately after preregistration to obtain access to a self-guided course centered on these topics. Attributes: Hiochemistry and Molecular Hiology C: Physical and Natural Processes Natural Ncience 1237 001 1.0 Leah Seebald M W F 9:30AM 10:25AM 0 1552 003 1.0 Leah Seebald M W F 9:30AM 3:555W NSTW307 0 1238 00A . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1239 00B . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1240 00C . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1240 00C . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1267 Doo . 0 Alberto Lopez M 10:00M 3:555W NSTW307 0 1270 Doo . 0 Alberto Lopez M 10:00M						-					
<pre>the properties and reactivity of biomolecules in the cell, with emphasis on functional groups, acids and bases, chirality, energetics, recution mechanisms, engrme inhibitors and drug design. One lab per week required. Prerequisite(s): CHEN H11 or CHEN H11 or CHEN H15; and CHEN H04 or CHEN H112 or CHEN H14. Alternatively, students who have taken a two semeater General Chemistry course elsewhere (for instance, CHEN B103 and CHEN B104) must, prior to the start of CHEN H22, demonstrate Howledge (by a self-scheduled exam) of common organic functional group structures and spectroscopic methods (as covered by CHEN H112, and HENN H113); atdCHEN H113); students should contact the Department Chir the instructor immediately after preregistration to obtain access to a self-guided course centered on the topics. Attributed of 1.0 TEA Department staff M M F 9:103M 10:25M 0 1528 003 1.0 Leah Saebald M M F 9:103M 10:25M 0 1238 003 .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1230 000 .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1200 000 .0 Alberto Lopez M 1:</pre>	CHEM										
One recitation per week required.         Prerequisite (S) CHEM HI15 or CHEM HI15 or CHEM H115; and CHEM 104 or CHEM H114. Alternatively, students who have taken a two senester General Chemistry course elsewhere (for instance, CHEM B103 and CHEM B104) must, prior to the start of CHEM H222, demonstrate knowledge (by a self-schedule exam) of common organic functional group structures and spectroscopic methods (as covered by CHEM H11, CHEM H113 and CHEM H115); students should contact the Department Chair the instructor immediately after preregistration to obtain access to a self-guided course centered on these topics.         Attributes: Biochemistry and Nolecular Biology       C: Physical and Natural Processes       Natural Science         1237       101       1.0       Leah Seebald       M W F       91:30AM       91:25AM       0         1238       003       1.0       Leah Seebald       M W F       91:30AM       11:25AM       0         1238       004       .0       Alberto Lopez       M       10:01M       3:55FM       ESTW307       0         1239       006       .0       Alberto Lopez       T       1:00FM       3:55FM       ESTW307       0         1240       00C       .0       Alberto Lopez       T       1:00FM       3:55FM       ESTW307       0         1240       00C       .0       Alberto Lopez       T       1:00FM       3:55FM       ESTW307       0 <td></td> <td>the pro energet</td> <td>perties ics, re</td> <td>and re action</td> <td>eactiv mecha</td> <td>ity of biomolecules in the cell, with emphasis on function nisms, enzyme inhibitors and drug design.</td> <td></td> <td></td> <td></td> <td></td> <td></td>		the pro energet	perties ics, re	and re action	eactiv mecha	ity of biomolecules in the cell, with emphasis on function nisms, enzyme inhibitors and drug design.					
Prereguisite (s): CHEM H11 or CHEM H13 or CHEM H15; and CHEM 104 OR CHEM H14. Alternatively, students who haster to CHEM H122, demonstrate knowledge (by a self-scheduled exam) of common organic functional group structures and appetroscopic nethods (as covered by CHEM H113, chement Chai the instructor immediately after preregistration to obtain access to a self-guided course centered on these topics.         Attributes: Bicohemistry and Molecular Biclogy       C: Physical and Natural Processes       M W F       8:30M       9:25M       0         1237       001       1.0       Lesh Seebald       M W F       9:30AM       10:25AM       0         1238       003       1.0       Lesh Seebald       M W F       9:30AM       10:25AM       0         1238       008       .0       Alberto Lopez       M       1:00PM       3:55EM       ESTW307       0         1240       00C       .0       Alberto Lopez       M       1:00PM       3:55EM       ESTW307       0         HEM       H261J       Research Tutorial in Physical Chemistry       Th       1:00PM       3:55EM       ESTW307       0         HEM       H261J       Research Tutorial in Physical Chemistry       Th       1:00PM       3:55EM       ESTW307       0         HEM       H261J       Research Tutorial in Physical Chemistry       Th       1:00PM       3:55EM			-	-							
have taken a two semester General Chemistry course elsewhere (for instance, CHEM B103 and CHEM B104) mut, prior to the spectroscopic methods (as covered by CHEM H111, CHEM H113 and CHEM H115); students should contact the Department Chair the instructor immediately after preregizatration to obtain access to a self-ginded course centered on these topics.         Attributer: Blochemistry and Molecular Biology       C: Physical and Natural Processes       Natural Science         1237       101       1.0       Leah Seebald       M W F       9:300M       9:25AM       0         1522       003       1.0       Leah Seebald       M W F       9:300M       10:25AM       0         1238       00A       0       Alberto Lopez       M       1:00PM       3:55PM       ESTM307       0         1240       00C       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTM307       0         1267       00C       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTM307       0         1289       00C       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTM307       0         1287       00C       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTM307       0         1287       00C       .0       Albe				-		-	НЕМ Н114.	Alternat	ivelv, stud	lents who	
<pre>start of CHEM H222, demonstrate knowledge (by a self-scheduled exam) of common organic functional group structures and spectroscopic methods (as covered by CHEM H11), CHEM H113 and CHEM H115); students should contact the Department chair the instructor immediately after preregistration to obtain access to a self-guided course centered on these topics. Attributes: Biochemistry and Molecular Biology C: Physical and Natural Processes Natural Science 1237 001 1.0 Leah Seebald 0.1 W W F 8:30AM 9:25AM 0. 1552 003 1.0 Leah Seebald N W F 9:30AM 10:25AM 0. 1558 003 .0 Alberto Lopez N 1007M 3:55FM ESTW307 0. 1238 00A 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1240 00C 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1687 00D 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1687 00D 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1687 00D 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1687 00D 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1687 00D 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1687 00D 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1687 00D 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1687 00D 0. Alberto Lopez N 1007M 3:55FM ESTW307 0. 1205 0.1 .5 Casey H 1007M 1007M 3:55FM ESTW307 0. 1205 0.1 .5 Casey H 2007 sectors: 1205 0.0 .5 Casey H Londergan 0. 1205 0.0 .5 Clyde Daly 0. 1206 0.0 .5 Clyde Daly 0. 1206 0.0 .5 Clyde Daly 0. 1207 0.0 .5 Clyde Daly 0. 1208 0.0 .5 Clyde Daly 0. 1208 0.0 .5 Clyde Daly 0. 1208 0.0 .5 Clyde Daly 0. 1209 0.0 .5 Clyde Daly 0. 1209 0.5 Clyde Daly 0. 1209 0.0 .5 Clyde Daly 0. 1209 0.0 .5</pre>											
<pre>spectroscopic methods (as covered by CHEM HI11, CHEM HI13 and CHEM H115); students should contact the Department Chair the instructor immediately after prereguistration to obtain access to a self-guided course centered on these topics. Attributes: Biochemistry and Molecular Biology C: Physical and Natural Processes Natural Science 1237 001 1.0 Lesh Seebald MWF 8:30AM 9:25AM 0 1414 002 1.0 TBA Department staff MWF 8:30AM 10:25AM 0 1552 003 1.0 Lesh Seebald MWF 10:30AM 11:25AM 0 1238 008 .0 Alberto Lopez M 11:00FM 3:55FM ESTW307 0 1240 00C .0 Alberto Lopez T 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez T 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez T 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez T 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1687 00D .0 Alberto Lopez N 1:00FM 3:55FM ESTW307 0 1700 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.) Prerequisite(s): Instructor consent: interested 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 Attributes: C: Physical and Natural Processes Natural Science 1272 001 .5 Clyde Daly 0 0 1263 Research Tutorial in Organic chemistry. Topics include total synthesis of biologically significant molecules, new methods of enanti</pre>						-					
<pre>Instructor immediately after preregistration to obtain access to a self-guided course centered on these topics. Attributes: Biochemistry and Malecular Biology C: Physical and Natural Processes Natural Science 1237 001 1.0 Leah Seebald M W F 8:30AM 9:25AM 0 1414 002 1.0 TRA Department staff M W F 9:30AM 10:25AM 0 1238 00A .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1239 00B .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1240 00C .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 1687 00D .0 Alberto Lopez M 1:00PM 3:55PM ESTW307 0 170 001 .5 Casy H Londergan 0 1255 001 .5 Casy H Londergan 0 1265 001 .5 Clasy H Londergan 0 1272 001 .5 Clasy H Londergan 0 1272 001 .5 Clasy H Londergan 0 1272 001 .5 Clyde Daly 0 1276 001 .5 Clyde Daly 0 1276 001 .5 Clyde Daly 0 1276 001 .5 Leah Seebald for students interested in the chemistry research experience in synthetic organic chemistry and hysical-cremistry. 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 Attributes: C: Physical</pre>											
1237       001       1.0       Each Seebald       M W F       8:30AM       9:25AM       0         1414       002       1.0       TBA Department staff       M W F       9:30AM       10:25AM       0         1552       003       1.0       Leak Seebald       M W F       10:30AM       11:25AM       0         1238       00A       0       Alberto Lopez       M       1:00PM       3:55PM       ESTW307       0         1240       00C       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTW307       0         1267       00D       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTW307       0         1267       00D       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTW307       0         1267       Research Tutorial in Physical Chemistry       Ondensity 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.)       prerequisite(s): Instructor consent: interested students should discuss possible enrollment with the instructor.       Attributes: C: Physical and Natural Processes Natural Science       1255       001       .5       Casey H Londergan       0		instruc	tor imm	ediate!	ly aft	er preregistration to obtain access to a self-guided course	e centere	ed on these	e topics.		
1414       002       1.0       TEA Department staff       M W F       9:30AM       10:25AM       0         1552       003       1.0       Leah Seebald       M W F       10:30AM       11:25AM       0         1239       00A       0       Alberto Lopez       M 1:00PM       3:55PM       ESTW307       0         1240       00C       0       Alberto Lopez       T       1:00PM       3:55PM       ESTW307       0         1240       00C       0       Alberto Lopez       Th       1:00PM       3:55PM       ESTW307       0         1240       00C       0       Alberto Lopez       Th       1:00PM       3:55PM       ESTW307       0         HEM       H261J       Research Tutorial in Physical Chemistry       Th       1:00PM       3:55PM       ESTW307       0         HEM       H261J       Research Tutorial in Physical Chemistry       method scuss possible enrollment with the instructor.       Altributes: C: Physical and Natural Processes Natural Science       0       0         1250       01       5       Case H Londergan       0       0       0       0         HEM       H262J       Research Tutorial in Theoretical Chemistry       Science       0       0		Attribu	tes: Bi	ochemis	stry a	nd Molecular Biology C: Physical and Natural Processes	Natural	Science	-		
1552       003       1.0       Leah Seebald       M W F       10:30AM       11:25AM       0         1238       00A       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTW307       0         1240       00C       .0       Alberto Lopez       W       1:00PM       3:55PM       ESTW307       0         1240       00C       .0       Alberto Lopez       W       1:00PM       3:55PM       ESTW307       0         1687       00D       .0       Alberto Lopez       W       1:00PM       3:55PM       ESTW307       0         1687       00D       .0       Alberto Lopez       Th       1:00PM       3:55PM       ESTW307       0         1687       Oddental Chemistry       Not open to seniors.)       Prerequisite(is):       Instructor consent: interested students should discus possible enrollment with the instructor.       Attributes: C: Physical and Matural Processes Natural Science       0         1255       001       .5       Casey H Londergan       0       0       0         HEM       H2617       Research Tutorial in Theoretical Chemistry       Nutral Science       0       0         1215       001       .5       Casey H Londergan       0			1237	001	1.0	Leah Seebald	ΜWF	8:30AM	9:25AM		0
1238       00A       .0       Alberto Lopez       M       1:00PM       3:55PM       ESTW307       0         1239       00B       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTW307       0         1687       00D       .0       Alberto Lopez       W       1:00PM       3:55PM       ESTW307       0         HEM       H2617       Research Tutrial in Physical Chemistry       Th       1:00PM       3:55PM       ESTW307       0         HEM       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.)       0         Prerequisite(s): Instructor consent: interested students should discuss possible enrollment with the instructor. Attributes: C: Physical and Natural Processes Natural Science       0         1255       001       .5       Casey H Londergan       0         HEM       H2627       Research Tutorial in Theoretical Chemistry       0         Nore-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.)       0         Prerequis			1414	002	1.0	TBA Department staff	ΜWF	9:30AM	10:25AM		0
1238       00A       .0       Alberto Lopez       M       1:00PM       3:55PM       ESTW307       0         1239       00B       .0       Alberto Lopez       T       1:00PM       3:55PM       ESTW307       0         1687       00D       .0       Alberto Lopez       W       1:00PM       3:55PM       ESTW307       0         HEM       H2617       Research Tutrial in Physical Chemistry       Th       1:00PM       3:55PM       ESTW307       0         HEM       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.)       0         Prerequisite(s): Instructor consent: interested students should discuss possible enrollment with the instructor. Attributes: C: Physical and Natural Processes Natural Science       0         1255       001       .5       Casey H Londergan       0         HEM       H2627       Research Tutorial in Theoretical Chemistry       0         Nore-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.)       0         Prerequis			1552	003	1.0	Leah Seebald	MWF	10:30AM	11:25AM		0
123900B.0Alberto LopezT1:00PM3:55PMESTW3070124000C.0Alberto LopezW1:00PM3:55PMESTW3070126700D.0Alberto LopezTh1:00PM3:55PMESTW3070HEMH261JResearch Tutorial in Physical Chemistry 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.) Prerequisite(s): Instructor consent: interested students should discuss possible enrollment with the instructor. Attributes: C: Physical and Natural Processes Natural Science 12550HEMH262JResearch Tutorial in Theoretical Chemistry 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 Attributes: C: Physical and Natural Processes Natural Science 127201272001.5Clyde Daly0HEMH2633Research Tutorial in Organic Chemistry research experience in synthetic organic chemistry, with emphasis on spectroscopic studies of semiconductor nanostructures. (Not open to seniors.) Prerequisite(s): Instructor consent Attributes: C: Physical and Natural Processes Natural Science 1272012655Colyde Daly0 <td></td> <td></td> <td></td> <td>A00</td> <td></td> <td></td> <td></td> <td>1:00PM</td> <td></td> <td>ESTW307</td> <td>0</td>				A00				1:00PM		ESTW307	0
1240       00C       .0       Alberto Lopez       W       1:00PM       3:55PM       ESTW307       0         HEM       H261J       Research Tutrial in Physical Chemistry         One-half credit course for the year designed for students interested in the chemistry research experience in physical chemistry, with emphasis on spectroscopic studies of peptides and proteins. (Not open to seniors.)       Prerequisite(8): Instructor consent: interested students should discuss possible enrollment with the instructor.         HEM       H262J       Research Tutorial in Theoretical Chemistry       Natural Science       0         1255       001       .5       Casey H Londergan       0         HEM       H262J       Research Tutorial in Theoretical Chemistry       Natural Science       0         1255       001       .5       Casey H Londergan       0         HEM       H262J       Research Tutorial in Theoretical Chemistry       Natural Science       0         1272       001       .5       Claye Daty       0         HEM       H263J       Research Tutorial in Organic Chemistry       0         HEM       H263J       Research Tutorial in Organic Chemistry       0         HEM       H264J       Research Tutorial in Organic Chemistry       0         HEM       H263J       Research Tutorial in						-					
168700D.0Alberto LopezTh1:00PM3:55PMESTW3070HEMH261JResearch Tutorial in Physical Chemistry 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.) Prerequisite(s): Instructor consent: interested students should discuss possible enrollment with the instructor. Attributes: C: Physical and Natural Processes Natural Science 125000HEMH262JResearch Tutorial in Theoretical Chemistry 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 Attributes: C: Physical and Natural Processes Natural Science 1272005Clyde Daly0HEMH263JResearch Tutorial in Organic Chemistry 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 enanticoselective synthesis, and the study of organic reaction mechanisms. (Not open to seniors.) Prerequisite(s): Instructor consent Attributes: C: Physical and Natural Processes Natural Science 1272005Cleah Seebal 0HEMH263JResearch Tutorial in Organic chemistry. Topics include total synthesis of biologically significant molecules,						-					
H261J       Research Tutorial in Physical Chemistry         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.)         Prerequisite(s): Instructor consent: interested students should discuss possible enrollment with the instructor.         Attributes: C: Physical and Natural Processes         Noe-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         Attributes: C: Physical and Natural Processes         Natural Science         1272         001         HEM         H263J         Research Tutorial in Organic Chemistry         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         Attributes: C: Physical and Natural Processes         Non-half credit course for the year designed for students interested in the chemistry research experience in synthetic organic chemistry and physical-organic che						-					
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.)         Prerequisite(s): Instructor consent: interested students should discuss possible enrollment with the instructor. Attributes: C: Physical and Natural Processes Natural Science       0         HEM       H262J       Research Tutorial in Theoretical Chemistry       0         HEM       H262J       Research Tutorial in Theoretical Chemistry       0         Prerequisite(s): Instructor consent       nterpretion of optical, electronic, and mechanical properties of semiconductor nanostructures. (Not open to seniors.)       0         Prerequisite(s): Instructor consent       Attributes: C: Physical and Natural Processes Natural Science       0         1272       001       .5       Clypt Daly       0         HEM       H263J       Research Tutorial in Organic Chemistry       0         HEM       H263J       Research Tutorial in Organic Chemistry       0         HEM       H263J       Research Tutorial in Organic Chemistry.       0         HEM       H263J       Research Tutorial in Organic Chemistry.       0         HEM       H263J       Research Tutorial in Organic Chemistry.       0         Derehalf credit course for the year designed for stud	QUEN	<b>TOC1</b> T				*	Th	1:00PM	3:35PM	ESTW307	U
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         Attributes: C: Physical and Natural Processes Natural Science         1272       001         .5       Clyde Daly         MEM       H263J         Research Tutorial in Organic Chemistry         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         Attributes: C: Physical and Natural Processes Natural Science         1256       001         .5       Leah Seebald         0         1769       002	CHEM	One-hal chemist and pro Prerequ	f credi ry, con teins. isite(s tes: C:	t cours densed (Not op ): Inst <i>Physic</i>	se for phase pen to tructo <i>cal an</i>	the year designed for students interested in the chemistry chemical physics, and biophysical chemistry, with emphasis seniors.) r consent: interested students should discuss possible enro d Natural Processes Natural Science	s on spec	ctroscopic	studies of		0
<pre>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 Attributes: C: Physical and Natural Processes Natural Science 1272 001 .5 Clyde Daly 0 HEM H263J Research Tutorial in Organic Chemistry 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 Attributes: C: Physical and Natural Processes Natural Science 1256 001 .5 Leah Seebald 1769 002 .5 Theresa D. Gaines 0 0 0</pre>	CHEM	H262J	Resear	rch Tut	corial	in Theoretical Chemistry					
HEM       H263J       Research Tutorial in Organic Chemistry         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       Attributes: C: Physical and Natural Processes Natural Science         1256       001       .5       Leah Seebald       0         1769       002       .5       Theresa D. Gaines       0		One-hal physica semicon Prerequ	f credi l chemi ductor isite(s tes: C:	t cours stry, w nanostr ): Inst Physic	se for with ex ructur tructo <i>cal an</i>	the year designed for students interested in the chemistry mphasis on methods for prediction of optical, electronic, es. (Not open to seniors.) r consent d Natural Processes Natural Science				retical	â
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 Attributes: C: Physical and Natural Processes Natural Science 1256 001 .5 Leah Seebald 1769 002 .5 Theresa D. Gaines											0
1256       001       .5       Leah Seebald       0         1769       002       .5       Theresa D. Gaines       0	CHEM	One-hal organic methods Prerequ	f credi chemis of ena isite(s	t cours try and ntiosel ): Inst	se for d phys lectiv tructo	the year designed for students interested in the chemistry ical-organic chemistry. Topics include total synthesis of e synthesis, and the study of organic reaction mechanisms. r consent	- biologica	ally signif	ficant molec		
1769 002 .5 Theresa D. Gaines 0		Attribu		-							
Page 14 of 75			1769	002	.5	Theresa D. Gaines					0
	Page 1	4 of 75							Last Updat	ed: 4/5/2024	4:36 PM

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
CHEM	H267J Research Tutorial in Biological Chemistry					
	One-half credit course for the year designed for students interested in the chemi	istry resea:	rch experier	nce in natu	ral product	
	biosynthesis. (Not open to seniors.) This course is graded universal P/F in which					
	Prerequisite(s): Instructor consent		5	2		
	Attributes: C: Physical and Natural Processes Natural Science					
	1258 001 .5 Louise Charkoudian					0
CHEM	H268J Research Tutorial in Environmental Chemistry					
	One-half credit course for the year designed for students interested in the chemi	-	-			
	biogeochemistry, a multidisciplinary approach focused at understanding the chemic	cal composit	tion and pro	ocesses of	Earth's	
	biosphere. (Not open to seniors.)					
	Prerequisite(s): Instructor consent					
	Attributes: C: Physical and Natural Processes Natural Science					
	1259 001 .5 Helen K. White					0
CHEM	H269J Research Tutorial in Materials Science		, .		c' ) ) c	
	One-half credit course for the year designed for students interested in the chemi	-	-			
	biogeochemistry, a multidisciplinary approach focused at understanding the chemic	cal composit	tion and pro	ocesses oi	Earth's	
	biosphere. (Not open to seniors.)					
	Prerequisite(s): Instructor consent Attributes: C: Physical and Natural Processes Natural Science					
	1260 001 .5 Alexander Norquist					0
	-					0
						0
CHEM	H301A Lab in Chemical Structure and Reactivity	, , ,	–			
	Two lectures and two laboratory periods. An introduction to the methods of resear					
	physical chemistry, computational chemistry, and biochemical concepts are integra					
	structure and its relationship to chemical reactivity. Physical methods are used		-	-		
	biochemical reactions. Chemical synthesis and the modern methods of computation a	and instrume	ental analy	cical chemi	stry are	
	particularly stressed.		1 0-1			
	Attributes: Biochemistry and Molecular Biology C: Physical and Natural Processe 1246 001 1.0 TBA Department staff	es Naluia. MW	<i>l Science</i> 11:30AM	12:25PM		0
	-					
	1720 002 1.0 TBA Department staff	T Th	11:30AM	12:25PM		0
	1247 00A .0 TBA Department staff	ΜW	1:00PM	3:55PM	ESTW108	0
	1719 00B .0 TBA Department staff	T Th	1:00PM	3:55PM	ESTW108	0
CHEM	H304A Statistical Thermodynamics and Kinetics					
	A quantitative approach to the description and prediction of behavior in chemical	-	-			
	introductory quantum mechanics and energy in molecules, statistical mechanics and	24 1		-		
	molecules and larger systems, physical and chemical equilibrium, and chemical kir					
	single molecules to complicated condensed-phase macromolecular assemblies; specif	-	-	-		
	observation, phase changes in lipids and liquid crystals, and observations of pro	otein foldin	ng will be a	discussed i	n the	
	context of the course material.					
	Prerequisite(s): MATH H118 (or placement beyond MATH H118) and either CHEM H104 of					
	Attributes: Biochemistry and Molecular Biology Biophysics C: Physical and Nat	tural Proce	sses Natu	ral Science	2	
	Quantitative					
	1245 001 1.0 TBA Department staff	T Th	8:30AM	9:55AM		0
CHEM	H310D Seminar in the Social Relevance of Chemistry					
	This seminar will explore, articulate, and discuss the influence that Chemistry a	-			-	
	will develop awareness of the historical, political and cultural context of wester		-			
	chemistry affects, and is affected by, the exclusion of people and ideas based or		± ·	- ·		
	status, and other identities. Participants will connect these topics of study to	their curre	ent roles at	: Haverford	l and future	
	careers.					
	Pre-requisite(s): One semester of CHEM 225 or a declared Chemistry major					

Pre-requisite(s): One semester of CHEM 225 or a declared Chemistry major

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Lottery Preference: Declared Majors: Seniors, then Juniors Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science					
	1554 001 .5 Helen K. White	Т	7:30PM	9:55PM		0
CHEM	H355E Topics in Advanced Organic Chemistry: Photochemistry Photochemistry, the study of the interaction of molecules with light, gives us a photosynthesis, atmospheric ozone formation, semiconductor manufacturing, and eve perceiving the words on this page. This course will build off of concepts introde into these fundamental light-matter interactions. We'll discuss core photophysic molecules interact with visible light and what causes fluorescence, and photochemistry	ven the mech duced in qua cal topics s	anism by wh ntum chemis uch as what	ich you are try to dive determines	e deeply s why some	
	<pre>the excited state. The course will culminate with students presenting an indeper application that interests them. Prerequisite(s): CHEM H305 or co-requisite: CHEM B221 Attributes: C: Physical and Natural Processes Natural Science 1444 001 .5 TBA Department staff</pre>	ndent projec M	t on a phot	ochemical o 9:55PM	concept or	0
CHEM	H361A Senior Research Tutorial in Physical Chemistry Directed research in physical chemistry, condensed phase chemical physics, and b spectroscopic studies of site-specific environmental and conformational dynamics Prerequisite(s): Instructor consent Attributes: Natural Science 1262 001 1.0 Casey H Londergan				sis on	0
CHEM	H362A Senior Research Tutorial in Theoretical Chemistry Directed research in computational and theoretical physical chemistry, with empl methods for prediction of optical, electronic, and mechanical properties of organ nanostructures. Prerequisite(s): Instructor consent Attributes: Natural Science 1273 001 1.0 Clyde Daly				lon of	0
CHEM	H363A Senior Research Tutorial in Organic Chemistry Directed research in synthetic organic chemistry, and physical-organic chemistry biologically significant molecules, new methods of enantioselective synthesis an Prerequisite(s): Instructor consent Attributes: Natural Science			-		
	1263 001 1.0 Leah Seebald					0
	1770 002 1.0 Theresa D. Gaines					0
CHEM	H367A Senior Research Tutorial in Biological Chemistry Topics include synthesis and reactivity of chiral platinum complexes; structural oligonucleotide complexes by combined multidimensional NMR/computational methods Prerequisite(s): Instructor consent Attributes: Natural Science		zation of p	latinum		
	1265 001 1.0 Louise Charkoudian					0
CHEM	H368A Senior Research Tutorial in Environmental Chemistry Directed research in environmental chemistry, centered in the field of biogeoche at understanding the chemical composition and processes of Earth's biosphere. Prerequisite(s): Instructor consent Attributes: Natural Science	emistry, a m	ultidiscipl.	inary appro	bach focuse	d
	1266 001 1.0 Helen K. White					0
CHEM	H369A Senior Research Tutorial: Materials Science					
	Directed research in inorganic materials chemistry. Topics include synthesis and templated microporous materials.	d structural	characteri			
Page 10	6 of 75			Last Upda	ated: 4/5/2024	4 4:36 PM

	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End Roo	om Enrld
	Prerequisite(s): Instructor consent				
	Attributes: Natural Science				
	1267 001 1.0 Alexander Norquist				0
	2640 002 1.0 Gordon Peterson				0
HEM	H391J Chemistry Departmental Seminar				
	Presentation and discussion of current research topics in the various areas of	chemistry by	faculty, st	udents and outs	side
	speakers. One meeting per week throughout the year (one-half course credit). T		± ·		
	numerical grade is assigned.		5		
	Prerequisite(s): concurrent enrollment in a research tutorial course (CHEM H36	51 to CHEM H369	), or equiva	lent).	
	Attributes: Natural Science				
	1261 001 .5 Casey H Londergan	F	2:30PM	3:55PM	0
ISC	H105A Introduction to Computer Science				
	Introduction to the intellectual and software tools used to create and study a	algorithms: for	rmal and inf	ormal problem	
	specification; problem solving and algorithm design techniques; reliability, f	formal verifica	ation, testi	.ng, and peer co	ode
	review techniques; program clarity, complexity and efficiency; functional and	imperative par	adigms; ass	ociated program	nming
	skills. Students must attend a one-hour weekly lab. Labs will be sectioned by	course profess	sor.		
	Prerequisite(s): May not be taken by students who have taken any one of HC: CM	ISC 104, CMSC 1	L07; BMC: CM	ISC 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				
	Attributes: C: Physical and Natural Processes Natural Science Quantitative				
	1096 001 .0 Alvin Grissom	T Th	10:00AM	11:25AM	0
	1379 002 .0 Alvin Grissom	T Th	2:30PM	3:55PM	0
	1093 00A 1.0 Suzanne Lindell	Th	12:30PM	1:25PM	0
	1094 00B 1.0 Alvin Grissom	Th	1:30PM	2:25PM	0
	1095 00C 1.0 Suzanne Lindell	F	8:30AM	9:25AM	0
	1391 00D 1.0 Suzanne Lindell	F	9:30AM	10:25AM	0
	1392 OOE 1.0 Suzanne Lindell	F	10:30AM	11:25PM	0
ISC		1	10.50111	11.20111	0
SC	H106A Introduction to Data Structures An introduction to the fundamental data structures of computer science: string	ra liata atar		troop DCTD	rranha
	sets and their accompanying algorithms. Principles of algorithmic analysis and				graphs,
	introduced using mathematical techniques for the notions of both complexity and	2	2	2	ich ac
	memory management and hashing, will also be covered. The programming language		-		acii as
				-	auraino
	concepts will be able to support functional importative and object-oriented app			-	
	concepts will be able to support functional, imperative and object-oriented ap		till be seet		
	thinking and its connection to iteration. Students must attend a one-hour week		vill be sect	loned by course	3
	thinking and its connection to iteration. Students must attend a one-hour week professor.	ly lab. Labs w		-	
	thinking and its connection to iteration. Students must attend a one-hour week professor. Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent;	aly lab. Labs w may not be tak		-	
	thinking and its connection to iteration. Students must attend a one-hour week professor. Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent; any one of HC: CMSC 104, CMSC 107; BMC: CMSC 206, CMSC 151, except by instruct	aly lab. Labs w may not be tak		-	
	thinking and its connection to iteration. Students must attend a one-hour week professor. Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent; any one of HC: CMSC 104, CMSC 107; BMC: CMSC 206, CMSC 151, except by instruct Enrollment Limit: 32	aly lab. Labs w may not be tak for consent	ken by stude	nts who have ta	aken
	<pre>thinking and its connection to iteration. Students must attend a one-hour week professor. Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent; any one of HC: CMSC 104, CMSC 107; BMC: CMSC 206, CMSC 151, except by instruct Enrollment Limit: 32 Lottery Preference(s): Sophomores then first-years, then Scientific Computing</pre>	aly lab. Labs w may not be tak for consent	ken by stude	nts who have ta	aken
	thinking and its connection to iteration. Students must attend a one-hour week professor. Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent; any one of HC: CMSC 104, CMSC 107; BMC: CMSC 206, CMSC 151, except by instruct Enrollment Limit: 32 Lottery Preference(s): Sophomores then first-years, then Scientific Computing and concentrators	kly lab. Labs w may not be tak for consent concentrators,	ken by stude	nts who have ta	aken
	<pre>thinking and its connection to iteration. Students must attend a one-hour week professor. Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent; any one of HC: CMSC 104, CMSC 107; BMC: CMSC 206, CMSC 151, except by instruct Enrollment Limit: 32 Lottery Preference(s): Sophomores then first-years, then Scientific Computing and concentrators Attributes: C: Physical and Natural Processes Natural Science Quantitative</pre>	kly lab. Labs w may not be tak cor consent concentrators,	ken by stude then Compu	nts who have ta	aken nors
	<pre>thinking and its connection to iteration. Students must attend a one-hour week professor. Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent; i any one of HC: CMSC 104, CMSC 107; BMC: CMSC 206, CMSC 151, except by instruct. Enrollment Limit: 32 Lottery Preference(s): Sophomores then first-years, then Scientific Computing and concentrators Attributes: C: Physical and Natural Processes Natural Science Quantitative 1708 001 .0 Sorelle A. Friedler</pre>	xly lab. Labs w may not be tak cor consent concentrators, e T Th	then Compu 1:00PM	nts who have ta ter Science min 2:25PM	aken nors 0
	<pre>thinking and its connection to iteration. Students must attend a one-hour week professor. Prerequisite(s): CMSC 105 (or 110 or 113 at Bryn Mawr) or instructor consent; any one of HC: CMSC 104, CMSC 107; BMC: CMSC 206, CMSC 151, except by instruct Enrollment Limit: 32 Lottery Preference(s): Sophomores then first-years, then Scientific Computing and concentrators Attributes: C: Physical and Natural Processes Natural Science Quantitative</pre>	kly lab. Labs w may not be tak cor consent concentrators,	ken by stude then Compu	nts who have ta	aken nors

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
MSC	H107A Introduction to Computer Science and Data Structures					
150	An accelerated treatment of CMSC 105/106 for students with significant programmir	ng experiend	ce. Reviews	programmir	a	
	paradigms, while focusing on techniques for reasoning about about software: metho					
	reviews, other topics as time permits. Includes lab work.	00000	1119, 10111011	011110001	011, 00000	
	Prerequisite(s): CMSC104 or instructor consent, or placement by CS faculty, based	d on CS plac	cement test	. If vou ar	e	
	interested in CMSC 107, you should preregister for the CMSC 105 section at the sa					2
	deadline, typically Wednesday before classes start; may not be taken by students			-	-	
	CMSC 106; BMC: CMSC 206, except by instructor consent				,	
	Enrollment Limit: 32					
	Lottery Preferences: 18 spaces reserved for incoming freshmen, then:					
	1) Sophomores					
	2) Senior Scientific Computing concentrators					
	3) Junior CS minors, Junior Scientific Computing concentrators, and Junior CS cor	ncentrators				
	4) Others					
	Attributes: C: Physical and Natural Processes Natural Science Quantitative					
	1091 001 .0 Replacement Interim	ΜW	2:30PM	3:55PM		0
	1089 00A 1.0 Replacement Interim	W	1:30PM	2:25PM		0
	1090 00B 1.0 Suzanne Lindell	W	8:30AM	9:25AM		0
	1090 00D 1.0 Suzanne Lindell	W	9:30AM	10:25AM		0
		W	9:30AM	IU:ZJAM		0
MSC	H210A Linear Optimization					
	these linear optimization problems, and also a strong emphasis on algorithms, esp enhancements to it (which are especially relevant since many applications involve					
	Crosslisted: Mathematics, Computer Science, Economics					
	Prerequisite(s): Co-requisite of Math 121 or 215, or equivalent placement, or ins	structor com	nsent			
	Enrollment Limit: 35					
	Attributes: C: Physical and Natural Processes Data Science Natural Science					
	2648 001 1.0 Robert S. Manning	M W	1:00PM	2:25PM		0
MSC	H231A Discrete Mathematics					
	An introduction to discrete mathematics with strong applications to computer scie			et theory,	functions	
	and relations, propositional logic, proof techniques, difference equations, graph	ns, and tree	es.			
	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					
	1502 001 1.0 Replacement Interim	M W F	10:00AM	11:25AM		0
	1635 00A .0 Replacement Interim	M W F	10:00AM	11:25AM		0
MSC	H251A Principles of Computing Systems					

#### CMSC H251A Principles of Computing Systems

What actually happens when you hit "run", after writing your program? This course introduces the elements of hardware and language/O.S. software that execute a program, serving as a foundation for later work in these areas, and providing insights into computing efficiency that may be important to a wide range of programmers. Includes weekly lab exercises, on principles

ubject	Cat Nbr Cl	Nbr So	ctn C	rd:	Instructor(s)		Days	Start	End	Room	Enrld
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CMSC	Independen		, supe	ervi	sed by a member of th	e Computer Science o	lepartment. Prereq	uisite(s	): Instruct	or consent		
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CMSC		<b>ndepend</b> t study		-	sed by a member of th	e Computer Science d	lepartment. Prereq	uisite(s	): Instruct	or consent		
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Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	An introduction to the primary characters and stories of Greek and Roman mythol other deities, and heroes both as they appear in Greek and Roman literature and modern art, music, and film. Crosslisted: Classical Studies, Comparative Literature, Religion	21	2		-	
	Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies	Humanities	Visual Stu	Idies		
	2624 001 1.0 Matthew Cullen Farmer	T Th	1:00PM	2:25PM		0
	2625 002 1.0 Matthew Cullen Farmer	T Th	2:30PM	3:55PM		0
COML	H223A Visualizing Nations: Africa and Europe					-
	This course will explore ideas of nation-building in regard to the transnationa will discuss African and European experiences of nation-creation to distinguish visions of nation states, and focus in particular on literary texts from Great with literary texts from Nigeria, South Africa, and Algeria. Enrollment Limit: 20 Attributes: Humanities Visual Studies	between exc	lusionary ar	nd inclusio	nary	
	2704 001 1.0 Imke Brust	М	1:30PM	3:55PM		0
COML	H250A Quixotic Narratives	141	T.JUEM	J.JJEM		0
	This course proposes a bilingual reading of Miguel de Cervantes' famous novel, Mancha. The adventures of Don Quijote and Sancho Panza force readers to probe t life and art. How do we know when something is true? What happens when fictions with the truth? What role does art play in catalyzing this desire to transform will be largely in Spanish with the option of reading the novel in translation either Spanish, English or Spanglish. Please be advised: Students who wish to r must complete course readings and assignments in Spanish. This course fulfills Crosslisted: Spanish, Comparative Literature. Enrollment Limit: 25	he fraught a , dreams, or the world? C and particip eceive credi	nd circular outright li ourse readir ating in cou t towards a	relationsh ies become ngs and dis nrse discus SPAN major	ip between confused cussion sion in	
	Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, L 2703 001 1.0 Luis Rodriguez-Rincon	berian, and M W	Latinx Stud: 1:00PM	<i>ies</i> 2 <b>:</b> 25PM		0
COML	H254A When to Obey is to Betray: The French Resistance in Cinema and Literatu This interdisciplinary course explores the French Resistance during World War I Delving into the complex intersections of history, fiction, and memory, student between popular culture and collective remembrance. Students will examine how f challenging conventional narratives and revealing the intricate myth-making str lesser-known works, this course sheds light on the often-overlooked contributio exploring their invisibility in traditional accounts and their resurfacing in c critically engage with the complexities of historical representation, grappling enduring legacy of resistance. This course is designed for students with intere cultural studies. Crosslisted: COML. Pre-requisite(s): First-year writing course Attributes: A: Meaning, Interpretation (Texts) Humanities 1631 001 1.0 Christophe Corbin	I through th s will uncov iction inter ategies at p ns of women ontemporary with questi	er the dynam sects with h lay. Highlic to the Resis depictions. ons of "trut	nic relation historical ghting both stance move Students w ch", memory	nships "truth", iconic and ment, ill , and the	0
COML	H270A The Art of Sports: Ancient and Modern This course explores the visual and poetic life of sports, ancient and modern. visual analysis, and historical study to theorize the beauty of athletics. Conc performance, and tropes such as "for the love of the game," "feel for the game" work on the sensory and aesthetic dimensions of sports. No prior expertise in c Crosslisted: COML,VIST. Enrollment Limit: 25.00 Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis Studies Humanities Visual Studies	epts of the and "poetry lassics, art	body, genden in motion" or sports r	r, race and will organ necessary.	ize our	
Page 2	l of 75			Last Upda	ted: 4/5/2024	4:36 PM

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	2658 001 1.0 Ava Shirazi	Т	7:30PM	9:55PM		0
COML	H312A Adv Topics French Literature During the 19th century, and more specifically the Second Empire (1852-1870), Empe Haussmann embarked on the demolition and reconstruction of Paris, a project that w city so widely celebrated today. In this course, we will explore the ways writers the city and discovered new ways of seeing their world as a result of these (somet works by Baudelaire, Balzac, Sue, and Zola, as well as artists such as Caillebotte will appreciate what writers and artists discovered as they became « painters of m first time, at everyday objects as veritable objects of art. Alongside the reading personal journal where they will consider new ways of seeing their world, reflecti simple objects and panoramas into their own « chefs d'œuvre ». Crosslisted: FREN and COML Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities	would estak and artist times polar e, Cassatt, nodern life gs of these	olish the ca ts during th rizing) tran Manet, Mon e », looking e classics,	apital as the experimentary of the second se	the modern xperienced ns. Through enoir, we for the will keep a	
	1059 001 1.0 Kathryne Adair Corbin	W	1:30PM	3:55PM		0
COML	H377A Problems in Postcolonial Literature: Violence, Terror, and Identity An examination of the rhetorical and narrative strategies adopted by postcolonial challenges and political complexities of representing violence and terror. Working course will measure the different effects of realism, magical realism, surrealism, representing the dialectic of violation and violence. Crosslisted: English, Comparative Literature Prerequisite(s): Two 200-level English courses or instructor consent Enrollment Limit: 15 Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis of Course Will Heat Analysis of Course Cou	g with fict , and the g	cion, nonfic grotesque as	ction, and s modes of	film, the	
	Studies Humanities 2635 001 1.0 Alexander Millen	ΜW	10:00AM	11:25AM		0
COML	H480A Independent Study	11 11	10.00111	11.20111		0
	1397 001 1.0					0
CSTS	H209A Classical Mythology					0
	An introduction to the primary characters and stories of Greek and Roman mythology other deities, and heroes both as they appear in Greek and Roman literature and ar modern art, music, and film. Crosslisted: Classical Studies, Comparative Literature, Religion			ter represe		0 0
CSTS	H270A The Art of Sports: Ancient and Modern					
	This course explores the visual and poetic life of sports, ancient and modern. It visual analysis, and historical study to theorize the beauty of athletics. Concept performance, and tropes such as "for the love of the game," "feel for the game" an work on the sensory and aesthetic dimensions of sports. No prior expertise in clas Crosslisted: COML,VIST. Enrollment Limit: 25.00	ts of the k nd "poetry	oody, gender in motion"	r, race and will organ	f	
	Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis of	f the Socia	al World (	Gender and	Sexuality	
		f the Socia T	al World ( 7:30PM	Gender and 9:55PM	Sexuality	0

A bi-college seminar focused on refining the ability to read, discuss, and analyze classical culture and the scholarship of various sub-fields of Classical Studies (e.g. literature, religion, philosophy, law, social history), leading towards the completion of a prospectus for the senior thesis.

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Attributes: Humanities					
	2607 001 1.0 Ava Shirazi	F	1:30PM	3:55PM		0
STS	H460F Teaching Assistant					
	2605 001 .5					0
ALC	H132A Japanese Civilization				c	
	A broad chronological survey of Japanese culture and society from the earliest t.		-	-		
	to such topics as belief, family, language, the arts, and sociopolitical organization English translation and secondary studies.	ation. Read.	ings include	e primary s	ources in	
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World	l Humanitie	es Visual	Studies		
	2451 001 1.0 Hank Glassman	T Th	1:00PM	2:25PM		0
ALC	H200A Major Seminar: Approaches to the Study of East Asian Cultures					
	This course is a writing intensive course for EALC majors and minors to some four	ndational id	leas and com	ncepts in t	he study o	f
	East Asia. Beginning with close readings of primary source texts in translation,	students an	e introduce	ed to the p	hilosophy	
	and culture of China, and its subsequent transmission and adaptation across the $\cdot$	vast geogra	hical and o	cultural ar	ea that is	
	commonly referred to as "East Asia." Students will gain familiarity with methods		-	-		p
	skills in the practice of close critical analysis, bibliography, and the formula	tion of a re	esearch top:	ic. Require	d of EALC	
	majors and minors. Majors should take this course before the senior year.					
	This is a one-term course offered in the Fall and the Spring. The Fall term focus					
	of Chinese thought and systems in Japan, and the Spring term on the elaboration Prerequisite: One year of Chinese or Japanese.	or these key	/ themes in	a Chinese	context.	
	Attributes: B: Analysis of the Social World Humanities Social Science					
	1585 001 1.0 Erin Schoneveld	Т	1:30PM	3:55PM		0
ALC	H231A Pre-modern Japanese Literature					-
	This is a course introducing classical and medieval Japanese literature, and also	o related pe	rformance i	traditions	No	
	background in either East Asian culture or in the study of literature is required	-				
	translation. (Advanced Japanese language students are invited to speak with the					
	the works in the original or in translation into modern Japanese.) The course is					
	literature from the tenth century to the fifteenth. It will focus on well-known		-			
	Book, both written by women, and the ballad-form Tale of the Heike.	CEACO IIRE (	ine fuite of	oenji ana	CIIC IIIIOW	
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World	l Humanitie	es Visual	Studies		
	1586 001 1.0 TBA Department staff	T Th	11:30AM	12:55PM		0
ALC	H306A Japanese Book Art and Printing					
	We will focus on Japanese book art from early illustrated scrolls to contemporar	v artists' k	ooks and e	xplore a ra	nge of	
	printmaking processes. Each unit is paired with a hands-on exercise that introdu	-		-	2	
	Through readings, discussions, and hands-on activities, students will gain vocab	-			-	d
	books and contemplate their social and conceptual implications, discovering how I	-		-	-	
	assumptions about art and reading.		- 5	5-	L	
	Lottery Preference: EALC and VIST students					
	Enrollment Limit: 15.00					
	Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies					
	2692 001 1.0 Honglan Huang	М	1:30PM	3:55PM		0
ALC	H398A Senior Seminar					
	A semester-long research workshop culminating in the writing and presentation of	a senior th	nesis. Requi	ired of all	majors;	
	Attributes: Humanities		-			
	2452 001 1.0 Hank Glassman	F	1:00PM	3:25PM		0
CON	H105A Introduction to Economics					
	An introduction to microeconomic and macroeconomic concepts and topics. Micro to	pics include	e opportuni	ty cost, su	pp⊥y and	
	An introduction to microeconomic and macroeconomic concepts and topics. Micro top demand, consumer decision making, the theory of the firm, production costs, mark and welfare. Macroeconomic topics include: measurement of national output, infla	et structure	es, market :	failure, ef	ficiency,	

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	determination, money and banking, interest rates, and fiscal and monetary pol algebraic competency, students are strongly encouraged to take a college-leve with this course.	-	-			
	Attributes: B: Analysis of the Social World Social Science	m m]-	11.20714	10.5500		0
	1219 001 1.0 Saleha Jilani	T Th	11:30AM	12:55PM		0
	1220 002 1.0 Alberto Arredondo- Chavez	T Th	2:30PM	3:55PM		0
ECON	H201A Analytical Methods for Economics The course explores several foundational models that shape our understanding interactions. We develop mathematical tools that are commonly used in the stu students planning to major or minor in economics. Prerequisite(s): Math 105 or Math 118 at Haverford College (or a comparable placement into Math 121 or higher; ECON 104 or ECON 105 or ECON 106	dy of economics	. This cour	se is inten	ded for	
	Attributes: B: Analysis of the Social World C: Physical and Natural Process 1232 001 1.0 Wei Qian	ses Quantitati M W	ve Social 10:00AM	Science 11:25AM		0
ECON	H203A Statistical Methods in Economics					
	Foundations of statistical inference and data analysis. Three class hours and Prerequisite(s): ECON 104, 105, or 106; Completion of Math 105 or Math 118 at calculus at another college), or placement into Math 121 or higher. Attributes: B: Analysis of the Social World Quantitative Social Science		ege (or a c	omparable c	ourse in	
	1226 001 1.0 Richard J. Ball	ΜW	1:00PM	2:25PM		0
	1233 00A .0 Richard J. Ball	Т	7:30PM	9:55PM		0
	This course provides an introduction to the principles and practices of finan time value of money, valuation, capital structure, and capital budgeting. Et activity will also be examined. Students may take this course or Econ 306 - Attributes: B: Analysis of the Social World 2610 001 1.0 Neal Grabell	hical and societ	tal issues	related to	financial	0
ECON	H210A Linear Optimization An introduction to the optimization of a linear function subject to linear co theory, transportation problems, and network flows. The course includes some these linear optimization problems, and also a strong emphasis on algorithms, enhancements to it (which are especially relevant since many applications inv Crosslisted: Mathematics, Computer Science, Economics Prerequisite(s): Co-requisite of Math 121 or 215, or equivalent placement, or Enrollment Limit: 35 Attributes: C: Physical and Natural Processes Data Science Natural Scienc 2649 001 1.0 Robert S. Manning	e theoretical material especially the volve many varial r instructor cons	terial on t simplex me bles and ma	he properti thod and sc	es of me	0
ECON	H236A Introduction to Behavioral Economics		1.00111	2.20111		
LCON	This course explores how observations of human psychology has influenced our	understanding o	f economic	-		
	<pre>decision-making. Students will reinforce and expand their understanding of cl new models incorporating insights from the field of psychology. Course assign with real world data sets and academic writing. Crosslisted: PSYC. Pre-requisite(s): Economics 104 or 105, or equivalent Enrollment Limit: 25 Attributes: B: Analysis of the Social World Social Science</pre>					
	new models incorporating insights from the field of psychology. Course assign with real world data sets and academic writing. Crosslisted: PSYC. Pre-requisite(s): Economics 104 or 105, or equivalent					0

Subject	Cat Nbr ClNbr	Sctn C	rd Instructor(s)		Days	Start	End	Room	Enrld
	to address so focus of this components, b formal presen foundation. Crosslisted: T Prerequisite ( Enrollment Lin Attributes: B World Peace 1544	cial, envi course is ut also to tations of Economics, s): ECON 1 mit: 16 : Analysis , Justice 001 1	ronmental and /or gover to not only gain an un gain practical experie findings to an investm Independent College Pr 04 or 105 or 106 of the Social World and Human Rights Soci .0 Shannon B. Mudd	Peace, Justice and Human Rig	stainable way ofte d practice of impa r set of potential ecommendation for hts Social Scien M W	en within ma act investin impact inv investment ace <i>B: Ana</i> 1:00PM	arket activing across it vestments, m to a partne alysis of the 2:25PM	ity. The is many making ering	0
ECON	1544		.0 Shannon B. Mudd icroeconomic Analysis		F	1:00PM	1:55PM		0
	we model the i allow us to i tools and con (ECON 105/106 imperfect inf Prerequisite( Section 001 i Attributes: B	behavior o nvestigate cepts used ) are stud ormation, s): ECON 2 s Asynchro : Analysis	of economic actors (cons the conditions under w in other areas of econ lied more rigorously and are introduced. 01 mous of the Social World		nteraction in diff , less well, or no the topics covere	erent marke t at all. I d in Introd	ets. These m In the proce duction to B	nodels ess, basic Economics	
	1703 2576		.0 Giridhar Parameswar	_	m	8:30AM	0.557M		0
	2576		.0 Giridhar Parameswan .0 Giridhar Parameswan		T T	8:30AM 10:00AM	9:55AM 11:25PM		0
	1704		.0 John P. Dougherty	all	M	8:30AM	9:25AM		0
	1704		.0 John P. Dougherty		M	9:30AM	10:25AM		0
	2397		.0 John P. Dougherty		M	10:30AM	11:25AM		0
ECON	Development o weighted leas estimation. E optimality of productivity. presentation Prerequisite ( 203 or SOCL 2	f economet t squares mphasis wi speed lim Students of finding s): ECON 1 15 or PSYC : Physical	estimation, estimation Il be on application of Mit control, AIDS awaren will be expected to use as in class.	Social Science	ms, instrumental v eal economic and s n, labor market di y issues and will	variables, a social polic scriminatic be required	and maximum by issues su on, and work to make a	likelihood ach as the ker final	0
ECON		nced Macro	-	3011	1 111	II:JUAM	IZ:JJPM		0
LCON	This course b of the effect briefs on cur Prerequisite(	uilds upon s of macro rent issue s): ECON 3	the theory introduced economic policy. Studen is in macroeconomic poli 02 or ECON B202 at Bryn	in intermediate macroeconomi ts will present a recent jou cy. Mawr; ECON 304 (can be take Mathematical Economics Soc	<pre>rnal article to th n concurrently), c</pre>	le class and	d will write		
	1909	-	.0 Carola Binder		M W	10:00AM	11:25AM		0
ECON	H372A Junio	or Researc	h Seminar: Advanced Int	ernational Trade					

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
	Determin conseque movemen policy n Prerequ semeste Enrollme Attribu	nants o ences o ts and negotia isite(s rs of c ent Lim <i>tes: A:</i>	<pre>f inte f tari multin tions, ): ECO ollege it: 15 Meani</pre>	ernatio ffs an ationa the e N 300 calcu	covers topics in international trade theo nal trade and foreign investment will be d quantitative restrictions on trade. Top l corporations, effects of trade on econo conomics of trade agreements and disputes or ECON B200 at Bryn Mawr; ECON 304 (can lus) terpretation (Texts) B: Analysis of the	analyzed, and we will ex bics include dynamic comp mic growth and income in and regional economic be taken concurrently).	amine the marative adv equality, is integration	otivations antage, fac nternationa r equivalen	tor l trade t of 2	
	Social	<i>Science</i> 1911		1 0	Saleha Jilani	т	1:30PM	3:55PM		0
ECON		Jr Re	search anizat	Semination is	ar: Topics in Industrial Organization the study of firm behavior in imperfect is field. Major topics include monopoly k	competition. This semina	r introduce	s important	empirical	
	Prerequ. Enrollmo Lottery	isite(s ent Lim Prefer <i>tes: A:</i>	): ECO it: 15 ence(s <i>Meani</i>	N 300 ;;): Sen	d the theory of the firm. or ECON B200 at Bryn Mawr; MATH 118 (or e ior Economics majors 1st; Junior Economic terpretation (Texts) B: Analysis of the	s majors 2nd.	of college cal and Nat		ses	
	SOCIAL	1910	001	1.0	Timothy Lambie-Hanson	MW	11:30AM	12:55PM		0
	Mawr; E college Attribu	CON 302 calcul tes: So 1735 1736 1737 1738 1739 1740 1741 1742	or EC us cial S 001 002 003 004 005 006 007 008	CON B20 Science 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	or 204 or MATH 203 or SOCL 215 or PSYC 20 2 at Bryn Mawr; ECON 304 (can be taken co Giridhar Parameswaran David M. Owens Alberto Arredondo- Chavez Wei Qian Saleha Jilani Carola Binder Shannon B. Mudd Timothy Lambie-Hanson					
ECON	-	a seni isite(s	): ECO Analy	onomics DN 304; <i>vsis of</i>	major. an ECON 37X Jr. Research Seminar; ECON 3 the Social World Social Science Richard J. Ball	996A.				0
ECON	H480A	Indep		Study						
		1224 1777	001 002	1.0 1.0						0 0
ECON	H480F	Indep	endent	Study						
		1792 1805	001 002	.5 .5						0 0

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
ECON	H480I Independent Study					
	1234 001 .5					0
EDUC	<ul> <li>H200A Community Learning Collaborative: Practicing Partnership</li> <li>Designed to be the first course for students interested in pursuing one of the course and this course is also open to students exploring an interest in education</li> <li>The course examines major issues and questions in education in the United States and the politics of schooling. Through fieldwork in an area school, students pra and interpretation.</li> <li>Lottery Preference(s): Not open to first semester first year students</li> <li>Attributes: B: Analysis of the Social World Child and Family Studies Social</li> </ul>	al practice by investi	, theory, is gating the graphic met	research, a purposes o chods of ob	and policy. of education	
	1148 001 1.0 Chanelle Wilson	М	7:30PM	9:55PM		0
EDUC	H210A Perspectives on Special Education This course is designed as a survey course. Its goal is to introduce students to and strategies in understanding and educating all learners - those considered ty "special" learners. The field of "Special Education" is vast; therefore, as the to narrow their research and area of interest on a student or group of students the end of the course, students will understand more about: how students' learni from a functional perspective; how and why students' educational experience is a issues in the field of special education; and a-typical learners, students with student needs in a classroom. Two-three hours of fieldwork per week required. En to students enrolled in the Education Program. Priority given to those in the Te Educ.	pical learn course prog who share s ing profiles iffected by disabilitie prollment li	ers as well resses, stu imilar chal affect the special edu s, and how mited to 25	l as those udents are llenges as eir learnin ucation law to meet di 5 with price	considered encouraged learners. B ng in school w; major iverse prity given	-
	Attributes: Child and Family Studies Praxis Program Social Science 2428 001 1.0 TBA Department staff	М	7:30pm	9:20PM		0
EDUC	H270A Measuring Education This course explores contemporary political movements to measure learning outcom such topics as NCLB legislation, standardized testing for college admissions, as development of online learning tools. Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Edu minors. Attributes: B: Analysis of the Social World Social Science	sessment of	college ed	ducation, a	and	
	1517 001 1.0 Matthew McKeever	М	1:30 PM	3:55PM		0
EDUC	H275A Emergent Multilingual Learners in U.S. Schools This course focuses on educational policies and practices related to language mi English learners' diverse experiences, educators' approaches to working with lin address their strengths and needs, links between schools and communities, and is required. Prerequisite(s): EDUC 200 or instructor consent Lottery Preference(s): 1. EDUC majors and Certification students; 2. EDUC minors Attributes: B: Analysis of the Social World Child and Family Studies Peace, 1149 001 1.0 Kelly Zuckerman	nority stud guistically ssues of pol ;; 3. then b	ents in the diverse st icy and adv y seniority	e U. S. We cudents, pr vocacy. Fie d hts Socia	rograms that eldwork al Science	
EDUC	H308A Inquiries into Black Study, Language Justice, and Education Growing out of the Lagim Tehi Tuma/"Thinking Together" program (LTT), the course in realizing the significance of global Black liberation and Black Study/ies-par	ticularly i	n relation	to questio	ons of the	n

in realizing the significance of global Black liberation and Black Study/ies-particularly in relation to questions of the suppression and sustemance of language diversity and with a focus, as well, on Pan-Africanism-by engaging with one particular community as a touchstone for learning from and forwarding culturally sustaining knowledge. Prerequisites: Two

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Day	s	Start	End	Room	Enrld
					ducation, with the s	second in Africana	Studies, Lir	nguistics, So	ciolc	ogy, or Ant	hropolo	gy; or	
		tes: Af			cor. Les B: Analysis of	the Social World	Education	Praxis Prog	ram	Social Sc.	ience	Africana	
	Studies	1583	001	1.0	Maurice Rippel			F		11:00AM	1:25P	M	0
		1583	001		Maurice Rippel	Lab		Ŵ		9:00AM	9:55A		0
EDUC	H360A	Learn	ing-Tea		a Foreign Language								
	foreign Crossli	langua sted: S	ge, and panish,	d/or c , Educ	or the advanced stude contemplating teaching tation evel course, or inst	ng it. This course				ses involve	d in le	arning a	
	Attribu	tes: A:	Meanir	ng, In	terpretation (Texts,	) Humanities L	atin American	n, Iberian, a	nd La	atinx Studi	es		
		2263	001	1.0	Ana López-Sánchez			T	Γh	11:30AM	12 <b>:</b> 55	PM	0
	concern arrivin Pre-req Enrollm Lottery	s assoc g at a u uisite( ent Lim Prefer	iated w more in s): Fir it: 25 ence: S	with r nforme rst ye Sophom	Il familiarize stude representing the blac ad understanding of t ar writing seminar mores, English majors	ck self. This cour the alchemy of memo s, First year stude	se will conti ory, time and ents, Africar	inuously ques d narrative c na concentrat	tion onver	and explore			
	Attribu			-	<i>terpretation (Texts,</i> Asali Solomon	) Africana Studi	es Humanit:		пь	11.207.00	10.55	DM	0
ENGL	H200A				ar Culture, and the			Τ	Ľ'n	11:30AM	12:55	PM	0
	Prerequ Enrollm Lottery	isite(s ent Lim Prefer	): Fres it: 50 ence(s) manitie	shman ): Sop e <i>s V</i>	n a mass-mediated cu Writing Nhomores <i>Visual Studies</i> Maud B McInerney	ilture, including a	attention to	work by majo		eoreticians 10:00AM	of the 11:25		0
ENGL	H225A	Shake	speare:	The	Tragic and Beyond								
	referen Shakesp attenti cultura Prerequ Enrollm Lottery	ce to t eare's on will l conce isite(s ent Lim Prefer	he evol persist be pai rns and ): Firs it: 25 ence(s)	lution tent e id to d the st Yea ): Maj	study of the major of dramatic form, p experimentation with key scenes in an eff internal reformation r Writing ors and sophomores terpretation (Texts)	poetic style, char dramas of extrava fort to assess bot n of his own craft (First year studen	acterization, gant will, de h Shakespeare ts are not ei	, and ideolog esire, tyrann e's response ligible)	y as y, sk	they are sl kepticism,	haped b and dea	y th. Particular	
	110 01 10 0	2629			Kimberly Benston	inumunitered vi	ibuui beuuiet	J M I	N	1:00PM	2:25P	М	0
ENGL	about t featuri contemp Crossli Enrollm <i>Attribu</i>	ories a he soci ng lesb orary q sted: G ent Lim	bout qu al cons ian, ga ueer th SST. it: 25.	leer a struct ay, tr heory .00	Middle Ages and trans people circ ion of sexuality, ge cansgender, and asexu and trans studies so aterpretation (Texts,	ender, and embodimual characters alon cholarship. All te:	ent? In this ngside docume xts will be 1	course, we w ents of histo read in moder	ill r rical n Eng	read medieva L queer and	al lite trans lation.	rature people and	
Page 2	8 of 75										Lagt I	Indated: 4/5/2024	1.36 PM

ubject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)				Days	Start	End	Room	Enrld
		2693	001	1.0	Danielle Allor				ΜW	2:30PM	3:55PM		0
NGL	works b generat Asian A categor Crossli Pre-req	urse wil y Asian ional co merican y "Asiar sted: EN uisite(s	<pre>Americ Americ onflict identi Ameri NGL. s): Non</pre>	core the can write, rac: ty, cu can" of ne	sian American Literatu he diversity of Asian iters. Assigned readi ism, assimilation, di ulture, and aesthetic constitute? terpretation (Texts)	American ngs of va fference, look lik	arious literary and political se? How do writ	genres w struggle ers repre	ill address t . Key lines c sent them? Wh	hemes such of inquiry : hat does the	as immigra include: Wl e racial an	ation, hat does nd literary	
	ALLIIDU	1383		2.	Elizabeth Kim	ASIAN A	merican studie	S D; AII	T Th	1:00PM	2:25PM	nittes	0
NGL	of U. S	ination . novels	of non S. <i>Meanin</i>	n-normang, Int	efore Stonewall ative sexualities and terpretation (Texts) Gustavus T. Stadler	-	dentifications	-	uiding themat <i>Humanities</i> M W	ic and forr 11:30AM	nal force : 12:55PM		0
NGL	and poe will wr to the Enrollm	a creat ts. Week ite poen works of ent Limi <i>tes: A:</i>	tive wr cly wri ns that f class it: 15 <i>Creati</i>	ting ting p respo mates	<b>Poetry I</b> workshop on poetry. prompts will encourag ond to other poems an . A final portfolio o pression Creative W	e student d some of f revised	ts to widen the the principal	ir scope genres o	and develop t f poetry. Stu is required.	heir craft. Idents will	Each wee be asked	k students	0
NGL	H293A				Elizabeth Kim Fiction I				F	11:00AM	1:25PM		0
	story. Enrollm	Weekly n ent Limi <i>tes:</i> A:	reading it: 15 <i>Creati</i>	g assig	tion to the technique gnments will include pression Humanities Asali Solomon	both anth					phasis on · 3:55PM	the short	0
NGL	student America semiolo Prerequ Enrollm	seminar s in a s n litera gy, soci	study o ature, iology, i: Only it: 15 manitie	ses of of (1) and (2 and t open	<pre>f a two part sequence a series of texts re 2) critical theory an the study of cultural to English majors Kimberly Benston</pre>	presentin d practic	ng the range an ce as it has be	d diversi en influe	ty of the his nced by herme	storical tra	adition in eminism, p	British and sychology, cism.	0
NGL	student America semiolo	seminar s in a s n litera gy, soci tes: Hun	<b>Semin</b> compri study o ature, iology, manitie	<b>ar I</b> ses of of (1) and (2 and t es	f a two part sequence a series of texts re 2) critical theory an the study of cultural	presentin d practic	ng the range an ce as it has be	d diversi en influe	ty of the his nced by herme	storical tra	adition in eminism, p	British and sychology,	
NGL		of the		<b>ar II</b> nce foo	Kimberly Benston cuses on narrative an nry James and Edgar A					iclude Georg	ge Eliot's		0
	MIDATEM	arcn, st	JUTIES	UV Her	ury lames and Eddar A	LIGN POO							
	Attribu	tes: Hun		-	nry ounce and Edgar n	11011 100,	and bames boy	ce s orys					

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	
	2630 001 1.0 Lindsay V. Reckson	T Th	10:00AM	11:25AM		0
IGL	H301A Topics in Middle English: Racing Romance					
	Considers the construction of genders and sexualities in the medieval period.					
	Crosslisted: English, Comparative Literature					
	Enrollment Limit: 15	umanities				
	Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies H 2702 001 1.0 Maud B McInerney	T	1:30PM	3:55PM		0
IGL	H365A Topics in American Literature: Rock, Soul, and Cultural Criticism	-	1.00111	3.00111		0
	This seminar will examine the emergence of music writing in the 60s and 70s in th	e context c	of contempor	aneous st	ruggles in	
	the politics of race, gender, sexuality, and class. Students will also develop th cultural form.		-		55	a
	Prerequisite(s): Two 200-level English courses or the equivalent Enrollment Limit: 15					
	Lottery Preference(s): English Majors					
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World	Humanitie	es			
	2633 001 1.0 Gustavus T. Stadler	Th	1:30PM	3:55PM		0
NGL	H376A Literature and Politics of South African Apartheid					
	This course explores the history and historiography of South African apartheid fr	om its ince	ption in 19	48 to its	democratic	
	overthrow in 1994. We will consider the interplay between complex definitions of	race, gende	er, nation a	nd differ	ence in	
	novels, plays, and poetry written during the apartheid years. We will also discus		•			
	aesthetics of literary production in a time of political oppression. What would i					
					101001 00110	
	in a cultural space rife with racial and social tensions? Authors will include Na				Costzee	
	in a cultural space rife with racial and social tensions? Authors will include Na Bessie Head, and Alex La Guma. Crosslisted with Africana Studies				Coetzee,	
	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies.				Coetzee,	
	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies. Enrollment Limit: 15	dine Gordim	ner, Alan Pa	ton, J.M.	Coetzee,	
	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies. Enrollment Limit: 15 Lottery Preferences: 1. English majors, 2. Africana Studies concentrators, then a	dine Gordim	ner, Alan Pa	ton, J.M.	Coetzee,	
	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies. Enrollment Limit: 15 Lottery Preferences: 1. English majors, 2. Africana Studies concentrators, then a Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities	dine Gordim ll others b	ner, Alan Pa oy class yea	ton, J.M. r.	Coetzee,	
NGI	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies. Enrollment Limit: 15 Lottery Preferences: 1. English majors, 2. Africana Studies concentrators, then a Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities 1614 001 1.0 Laura McGrane	dine Gordim	ner, Alan Pa	ton, J.M.	Coetzee,	0
NGL	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies.Enrollment Limit: 15Lottery Preferences: 1. English majors, 2. Africana Studies concentrators, then aAttributes: A: Meaning, Interpretation (Texts)Africana StudiesHumanities16140011.0Laura McGraneH377AProblems in Postcolonial Literature: Violence, Terror, and Identity	dine Gordim ll others b W	ner, Alan Pa by class yea 1:30PM	ton, J.M. r. 3:55PM		
NGL	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies. Enrollment Limit: 15 Lottery Preferences: 1. English majors, 2. Africana Studies concentrators, then a Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities 1614 001 1.0 Laura McGrane H377A Problems in Postcolonial Literature: Violence, Terror, and Identity An examination of the rhetorical and narrative strategies adopted by postcolonial	dine Gordim ll others b W texts as t	ner, Alan Pa by class yea 1:30PM Chey negotia	ton, J.M. r. <u>3:55PM</u> te the ae	sthetic	
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	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies.         Enrollment Limit: 15         Lottery Preferences: 1. English majors, 2. Africana Studies concentrators, then a         Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities         1614       001       1.0         Laura McGrane         H377A       Problems in Postcolonial Literature: Violence, Terror, and Identity         An examination of the rhetorical and narrative strategies adopted by postcolonial         challenges and political complexities of representing violence and terror. Workin         course will measure the different effects of realism, magical realism, surrealism         representing the dialectic of violation and violence.         Crosslisted: English, Comparative Literature         Prerequisite(s): Two 200-level English courses or instructor consent         Enrollment Limit: 15         Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis of         Studies       Humanities         2634       001       1.0         Alsender Millen       H399F         Senior Conference       Senior Thesis work with advisor.         Prerequisite(s): Limited to senior English majors         Attributes: Humanities       1298         1298       001       .5         1299       00A       .0	dine Gordim ll others b W texts as t g with fict , and the g f the Socia	er, Alan Pa by class yea <u>1:30PM</u> they negotia tion, nonfic grotesque as al World G	ton, J.M. r. <u>3:55PM</u> te the ae tion, and modes of <i>Gender and</i>	sthetic film, the Sexuality	0 0 0 0 0 0 0 0 0 0
	Bessie Head, and Alex La Guma. Crosslisted with Africana Studies. Enrollment Limit: 15 Lottery Preferences: 1. English majors, 2. Africana Studies concentrators, then a Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities 1614 001 1.0 Laura McGrane H377A Problems in Postcolonial Literature: Violence, Terror, and Identity An examination of the rhetorical and narrative strategies adopted by postcolonial challenges and political complexities of representing violence and terror. Workin course will measure the different effects of realism, magical realism, surrealism representing the dialectic of violation and violence. Crosslisted: English, Comparative Literature Prerequisite(s): Two 200-level English courses or instructor consent Enrollment Limit: 15 Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis o Studies Humanities 2634 001 1.0 Alexander Millen H399F Senior Conference Senior Thesis work with advisor. Prerequisite(s): Limited to senior English majors Attributes: Humanities 1298 001 .5 Lindsay V. Reckson 1299 00A .0 Asali Solomon 1300 00B .0 Gustavus T. Stadler 1301 00C .0 Elizabeth Kim	dine Gordim ll others b W texts as t g with fict , and the g f the Socia	er, Alan Pa by class yea <u>1:30PM</u> they negotia tion, nonfic grotesque as al World G	ton, J.M. r. <u>3:55PM</u> te the ae tion, and modes of <i>Gender and</i>	sthetic film, the Sexuality	0 0 0 0 0 0 0 0

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
ENVS	H101A Case Studies in Environmental Issues: Concepts, Contexts, & Conundrums The course offers a cross-disciplinary introduction to environmental studies. Trac practical engagement, distinctive approaches to key categories of environmental in earth science, energy, economics, public health, ecological design, sustainability concepts, such as thermodynamics, biodiversity, cost-benefit analysis, scale, mode situational ethics, are variously defined and employed within specific exploration modern world.	nquiry are y, policy, ernization	presented: and enviro , enclosure	political nmental et , the comm	ecology, hics. Basic ons, and	
	Prerequisite (s): Not open to students who have taken ENVS 101 at Bryn Mawr or Swar Enrollment Limit: 40 Lottery Preference (s): Junior minors in ENVS; Sophomores; 5 spaces for Frosh Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Environmental Studies		cal and Nat	ural Proce	esses	
	2664 001 1.0 Talia Young	T Th	10:00AM	11:25AM	[	0
ENVS	H281A Introduction to Environmental Anthropology					
	An introduction to the ideas and methods central to environmental anthropology. To ecology, crises and uncertainty, indigeneity and community management. Enrollment Limit: 25 Attributes: B: Analysis of the Social World Environmental Studies Social Scien 1869 001 1.0 Joshua Moses	_	red will in 11:30AM	clude poli 12:55PM		0
ENVS	H307A Introduction to Fisheries Science Fisheries science is the study of fish in the context of harvest. This course will					
	<pre>concepts and quantitative methods and skills involved in fisheries science. Prerequisite(s): ENVS 101; and at least one of ENVS 201-204, or permission of the general biology and algebra. Enrollment Limit: 15 Lottery Preference(s): ENVS majors, then sophomores, then ENVS minors. Attributes: C: Physical and Natural Processes Natural Science</pre>			-		
	1641 001 1.0 Talia Young	T Th	11:30AM	12:55PM		0
ENVS	H328A Botany This course is a multidisciplinary approach to the biology of plants through their growth and their consequent effects on human society. Course topics include plant physiology, and ecology, followed by case studies of plants, from cacao to apples. Pre-requisite(s): ENVS 101 and ENVS 201 or ENVS 101 and 200-level ENVS, GEO, BIO of Lottery Preference: Senior ENVS majors, junior ENVS majors, senior ENVS minors, ju by juniors, followed by all other students. If this course is tied to a 360 or stu- further enrollment. Enrollment Limit: 15 Attributes: C: Physical and Natural Processes Environmental Studies Natural Soc 1436 001 1.0 Jonathan Wilson	biology, or ENVS 10 unior ENVS udy tour,	anatomy, di 1 and permi minors, th	versity, m ssion of i en seniors	nstructor. , followed closed to	0
ENVS	H397A Senior Seminar in Environmental Studies This capstone Environmental Studies course is designed to allow Environmental Studies environmental problem solving by bringing the perspectives and skills gained from collaborative, interdisciplinary projects. Enrollment Preference(s): Limited to seniors Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Environmental Studies	their maj	ors and app cal and Nat	lying them ural Proce	to	0
	2665 001 1.0 Jonathan Wilson	W	1:30PM	3:55PM		0
ENVS	<b>H408A</b> Senior Research Tutorial in Plant Biology and Evolution Plants are an important interface between biology and the environment, and the stu illuminates this interaction. This course will focus on the physiology and evoluti			-	-	

P P E A ENVS H E L L A ENVS H	Techniques employed include anatomical studies of living and fossil plant tiss plant structure; and the collection and analysis of fossil plant material. Exp popportunities to hone scientific communication skills will supplement lab work Prerequisite(s): Instructor consent Enrollment Limit: 7 Attributes: Natural Science 2666 001 1.0 Jonathan Wilson H456D Advanced Topics in Biology of Marine Life Exploration of marine metazoan evolution through the lens of behavioral, morph adaptations to various ocean regimes. Readings from primary literature will co abiotic/biotic organismal interactions, symbiosis, energy production, human im Crosslisted: Biology, Environmental Studies Prerequisite(s): BIOL H300 and BIOL H301 with a grade of 2.0 or above, or inst Enrollment Limit: 15 Lottery Preference: (1) Senior Biology majors (2) Seniors (3) Junior Biology m Attributes: Environmental Studies	loration of th  cological, bioc ver physio-che pacts, and phy ructor consent	chemical, ar mical proper	iterature and ad physiologic erties of sear	various cal vater,	0
A ENVS H E a a C C P E L L L XVS H	Attributes: Natural Science 2660 001 1.0 Jonathan Wilson <b>H456D Advanced Topics in Biology of Marine Life</b> Exploration of marine metazoan evolution through the lens of behavioral, morph adaptations to various ocean regimes. Readings from primary literature will co abiotic/biotic organismal interactions, symbiosis, energy production, human im Crosslisted: Biology, Environmental Studies Prerequisite(s): BIOL H300 and BIOL H301 with a grade of 2.0 or above, or inst Enrollment Limit: 15 Lottery Preference: (1) Senior Biology majors (2) Seniors (3) Junior Biology m	ver physio-che pacts, and phy ructor consent	emical prope vlogenetic r	erties of seav	vater,	0
E a C P E L A VS H	H456D Advanced Topics in Biology of Marine Life Exploration of marine metazoan evolution through the lens of behavioral, morph adaptations to various ocean regimes. Readings from primary literature will co abiotic/biotic organismal interactions, symbiosis, energy production, human im Crosslisted: Biology, Environmental Studies Prerequisite(s): BIOL H300 and BIOL H301 with a grade of 2.0 or above, or inst Enrollment Limit: 15 Lottery Preference: (1) Senior Biology majors (2) Seniors (3) Junior Biology m	ver physio-che pacts, and phy ructor consent	emical prope vlogenetic r	erties of seav	vater,	0
E a C P E L A <b>VS H</b>	Exploration of marine metazoan evolution through the lens of behavioral, morph adaptations to various ocean regimes. Readings from primary literature will co abiotic/biotic organismal interactions, symbiosis, energy production, human im Crosslisted: Biology, Environmental Studies Prerequisite(s): BIOL H300 and BIOL H301 with a grade of 2.0 or above, or inst Enrollment Limit: 15 Lottery Preference: (1) Senior Biology majors (2) Seniors (3) Junior Biology m	ver physio-che pacts, and phy ructor consent	emical prope vlogenetic r	erties of seav	vater,	
A NVS H					-	
NVS H	ALLIIDULES, ENVIIONMENTAL STUULES NATULAL SCIENCE	ajors.				
	2523 001 .5 Kristen Whalen	T Th	2:30 PM	3:55PM		0
	H480A Independent Study					
A	Attributes: Environmental Studies					_
	1804 001 1.0 Talia Young					0
	H480F Independent Study Attributes: Environmental Studies					
A	1454 001 .5 Talia Young					0
'REN H	H001A Elementary French					
e c w o e 1 E	This is the first course in a two-part series of elementary French. The course ethnic diversity of France and the francophone world and will help students de comprehensive manner, including interpretive listening, interpretive reading, writing, and interpersonal communication. The course meets for five (5) hours one (1) hour with a TA, and one (1) hour with a conversation partner. Students enrollment in the second semester FREN 002. Reserved for students with no prev language. Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) Humanities 1047 001 1.0 TBA Department staff 1745 002 1.0 Kathryne Adair Corbin	velop French c presentational a week: three who take FREN	communicativ speaking, (3) hours v 001 at HC	ve skills in a presentationa vith the instant have priority	al ructor, y of	0
REN H	H003A Intermediate French Non Intensive	M W E	9:30AM	10:2JAM		0
T a p h P	The emphasis on speaking and understanding French is continued, texts from Fre and short papers are written in French. Students use the Language Learning Cen practice sessions. The course meets in non-intensive (three hours each week) s hour per week with an assistant. This is a year-long course; both semesters (0 Prerequisite(s): FREN 001 and 002, or French placement exam. Attributes: A: Meaning, Interpretation (Texts) Humanities 1048 001 1.0 Koffi Anyinefa	ter regularly ections which 03 and 004) ar M W F	and attend are supplem re required 10:30AM	supplementary mented by an of for credit. 11:25AM	y oral	0
'REN H	1049 002 1.0 Christophe Corbin H101A Perspectives sur la France contemporaine	M W F	11:30AM	12:25PM		0

colonial pasts and its place at the crossroads of several ideological and aesthetic traditions. How does French society accommodate antithetical perspectives? As we explore these issues, we will learn to examine them analytically. Because the

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	tools of analysis are often themselves "made in France," French culture will provide	e not onl	v objects c	of study bu	t also	
	their means of interrogation. All the while, students will strengthen their skills in French language and expression					
	through grammatical exercises, discussions, presentations, and essays.			÷		
	Prerequisite(s): FREN 004, or French placement exam					
	Attributes: A: Meaning, Interpretation (Texts) Humanities					
	1050 001 1.0 Koffi Anyinefa	T Th	11:30AM	12:55PM		0
	1051 002 1.0 Christophe Corbin	M W	2:30PM	3:55PM		0
TENT	H254A When to Obey is to Betray: The French Resistance in Cinema and Literature	1.1 11	2.50114	5.55114		0
FREN	This interdisciplinary course explores the French Resistance during World War II th	rough the	long of di	nome and 1	itoraturo	
	Delving into the complex intersections of history, fiction, and memory, students wi	-				
			-		-	
	between popular culture and collective remembrance. Students will examine how fiction					
	challenging conventional narratives and revealing the intricate myth-making strateg.	-		-		
	lesser-known works, this course sheds light on the often-overlooked contributions of					
	exploring their invisibility in traditional accounts and their resurfacing in conten		-			
	critically engage with the complexities of historical representation, grappling with	-		-		
	enduring legacy of resistance. This course is designed for students with interests	in cinema	, nistory,	literature	, and	
	cultural studies.					
	Crosslisted: COML.					
	Pre-requisite(s): First-year writing course					
	Attributes: A: Meaning, Interpretation (Texts) Humanities		1 00 514	0.05514		0
	1630 001 1.0 Christophe Corbin	T Th	1:00PM	2:25PM		0
FREN	H298A Junior Seminar: Carmen de Mérimée et ses adaptations					
	Since its publication in 1845, Prosper Mérimée's short story Carmen has been adapted in a variety of media: opera, film,					
	theatre, dance, comic strips. Carmen has indeed become a myth with almost universal	resonanc	e, taken up	by Europe	an,	
	American and African artists alike. What is it about Mérimée's eponymous character					
	fatale looks? The "Gypsy" that she is? The character so naturally prone to transgre	ssion? W	le will firs	st study Mé	rimée's	
	short story and then move on to its adaptations: Which characterizations of Carmen	have been	retained,	altered or	simply	
	rejected and why? What rewritings of the myth of Carmen do these adaptations propos	e (Bizet,	Brook, Dor	nford-May,	Gai	
	Ramaka, Godard, Preminger, Townsend, Rosi, Saura; Vidor)? In French					
	Pre-requisite(s): One 200-level course in French. Open to non-majors a well					
	Attributes: A: Meaning, Interpretation (Texts)					
	2525 001 1.0 TBA Department staff					0
EN	H312A Adv Topics French Literature					
	During the 19th century, and more specifically the Second Empire (1852-1870), Empere	or Napole	on TIT and	Baron Euger	ne	
	Haussmann embarked on the demolition and reconstruction of Paris, a project that wo	-		2		
	city so widely celebrated today. In this course, we will explore the ways writers a			-		
	the city and discovered new ways of seeing their world as a result of these (sometin			-	-	
	works by Baudelaire, Balzac, Sue, and Zola, as well as artists such as Caillebotte,	-				
	will appreciate what writers and artists discovered as they became « painters of mo					
	first time, at everyday objects as veritable objects of art. Alongside the readings					
	personal journal where they will consider new ways of seeing their world, reflecting					
	simple objects and panoramas into their own « chefs d'œuvre ».	g on munc		leis, and t	Lanstorming	
	Crosslisted: FREN and COML					
	Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities		1 20 DM	2 55514		0
	1052 001 1.0 Kathryne Adair Corbin	W	1:30PM	3:55PM		0
IRM	H001A Elementary German					
	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 con-	text. Thi	s is a year	-long cour	se; both	
	semesters (001 and 002) are required for credit.					

Enrollment Limit: 18

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Attributes: A: Meaning, Interpretation (Texts) Humanities 1274 001 1.0 Michael Burri	M T W Th F	9:30AM	10:30AM		0
GERM	H101A Intermediate German Meets three hours a week with the individual class instructor, one hour grammar, exercises in composition and conversation. Enforcement of corre language. Study of selected literary and cultural texts and films from G Enrollment Limit: 18	ect grammatical patte	erns and idi	iomatic use	e of	
	1275 001 1.0					0
GERM	<ul> <li>H201A Advanced Training: Language, Text, and Context</li> <li>This course is intended for students who wish to refine their speaking, level. Designed as a comprehensive introduction to modern German culture historical and philosophical texts, including feature films and video ma these activities.</li> <li>Enrollment Limit: 18</li> <li>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Soci</li> </ul>	e, we will discuss a aterials. Weekly gram	variety of mmar reviews	literary,	political,	
	1512 001 1.0 Imke Brust	ΜW	10:00AM	11:25AM		0
GERM	H223A Visualizing Nations: Africa and Europe This course will explore ideas of nation-building in regard to the trans- will discuss African and European experiences of nation-creation to dist visions of nation states, and focus in particular on literary texts from with literary texts from Nigeria, South Africa, and Algeria. Enrollment Limit: 20	inguish between excl	lusionary an	nd inclusic	onary	
	Attributes: Humanities Visual Studies 2700 001 1.0 Imke Brust	М	1:30PM	3:55PM		0
GERM	H305A Modern German Drama - A Moral Compass?	P1	T : JUEM	J:JJEM		0
	In 1784 Friedrich Schiller started a discussion about theater as a moral provide an overview of the historical development of drama within the Ge influences on German drama. We will read and watch a variety of differen different theatrical genres: classical, epic, documentary, absurd, and for function of the institutionalization of theater within the German nation race. This course is taught in German. Enrollment Limit: 20 Attributes: Humanities 2699 001 1.0 Imke Brust	erman-speaking world at plays from Lessing Seminist theater. In	and also ex g to Jelinek addition, w	xplore fore k, and enga we will dis	eign age with scuss the gender and	d O
GREK	H002A Elementary Greek					
	Completion of the basics of ancient Greek, followed by readings in Lysia long course. Attributes: A: Meaning, Interpretation (Texts) Classics Humanities 1060 001 1.0 Matthew Cullen Farmer	as and Plato. This is M W F	s the second 11:30AM	d semester 12:25PM	-	- 0
GREK	H480F Independent Study					
						0
GSST	1806     001     .5       H190A     Introduction to Feminist and Gender Studies					0
6551	This course introduceron to remainst and gender Studies This course introduces students to major debates and issues within the i Studies. We will explore what feminist scholars have illuminated about t historic, present-day, and global contexts. Students will examine femini gender and sexuality in unequal ways. And, students will develop the ski regulated, reinforced, and transgressed in diverse settings. Enrollment Limit: 25	the construction of g	gender and s w race, clas	sexuality i ss, and rel	in multiple ligion shap	
Page 3	enforment Limit: 25			Last Upd;	ated: 4/5/202	4 4:36 PM

What stories about queer and trans people circulated in the medieval period, and what does this hody of literature tell us about the social construction of sexuality, gender, and embodiment? In this course, we will read medieval literature featuring leshian, gay, transgender, and asexual characters alongside documents of historical queer and trans people and contemporary queer theory and trans studies scholarship. All texts will be read in modern English translation. Crosslisted; GSST.       0         Enrollment Limit: 25.00       Attributes; A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Humanities 2694 001 1.0 Danielle Allor       N W 2:30PM 3:55PM 0         ST       R290A       Interdisciplinary Perspectives on Gender       N W 2:30PM 3:55PM 0         ST       R290A       Interdisciplinary Perspectives on Gender       N W 2:30PM 3:55PM 0         ST       R290A       Interdisciplinary Perspectives on Gender       N W 2:30PM 3:55PM 0         ST       R290A       Interdisciplinary Gender, sexuality, scee, 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 media. We work to bring the personal into the classroom, and to take what we learn out into the world. Enroliment Limit: 10       Interdisciplinary Enropertation (Texts)         ST       Hild Origins of the Clobal South       M 1:30PM 3:55PM 0         ST       Hild Origins of the Clobal South       M 1:30PM 3:55PM 0         ST       Hild Origins of that maps uneveniy onto the formeriy colonized	Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)		Days	s St	art	End	Room	Enrld
1852       001       1.0       Agines and Trans Middle Ages       T       1:2000       3:5524       0         That stories about queer and trans people circulated in the medieval period, and what does this body of literature tell us about the social construction of sexually, gender, and embodiment? In this course, we will read medieval literature tell us about the social construction of sexually, gender, and embodiment? In this course and trans people and consequency queer theory and trans studies scholarship. All texts will be read in modern English translation. Exception (SSS: 200       0         87       M204       101       1.0       Duncies of fear and Sexually Studies Numanifies 2004       0       3:5524       0         87       M204       Interdication of gender, sexuality, race, class, religion, and embodiment in our time. Our fecus is principally on the SSA, though we make some foray into intervational conversations. Readings are drawn from a seattering of the most recent developments in academic research and theory, as well as fram science fictor, activism, popular culture, and new media. New not bins (the period that (Theory)       0       1:30EM       3:552M       0         87       #1101       1.0       Media K values of the classroom, and to take what we lear on the sected. Enrol Mathematics 1: 1.       1:30EM       3:552M       0         87       #1114       Origine of the close of the contrast and second what we lear on the text of the contrast and second what we lear on the other second at the second and second what we lear on the othese second at the second at the second at the s		Lottery	Prefer	ence(s)	): Gen	/Sex concentrators, t	hen first years and sophomore	s.					
BT       P244A       A Queer and Trans Middle Ages         Must stories about queer and trans people circulated in the mediaval period, and what does this body of literature tell us about the social construction of sexual characters alongside documents of historical queer and trans people and contemporary queer theory and trans studies scholarship. All texts will be read in modern English translation. Crossilated 2017.         Turoliment Limit: 25,00       Description (Texts)       Gender and Sexuality Studies       Humanities         Attributes: A: Meaning, Interpretation (Texts)       Gender and Sexuality Studies       Humanities         Attributes: A: Meaning, Interpretation (Texts)       Gender and Sexuality Studies       Humanities         Attributes: A: Meaning, Interpretation (Texts)       Gender and Sexuality Studies       Humanities         Attributes: A: Meaning, Interpretation (Texts)       Gender and Sexuality Studies       Humanities         Fibure the interpretation of gender, security, resp. class, religion, and abovinent into our time. Our focus is principally       The secure and text is the seconic security is period and theory and well as from oscience fiction, activity, peopler culture, and next media. Ne work to bring the personal into the classroon, and to take what we learn out into the world.       Thron Sister and Sister		Attribu	tes: A:	Meanir	ng, In	terpretation (Texts)	B: Analysis of the Social W	lorld Gende.	r and Se	xuality	' Studies	Humanities	
what stories about queer and trans people circulated in the medieval period, and what does this body of literature tell us obtout the social construction of sexuality, gender, and embodiment 2 Th this course, we will readed trans people and contemporary queer theory and trans schularship. All texts will be read in modern English translation. Creasilsted: CGDT.           Encolument Indi: 2.00         Encolument Indi: 2.00         N 2:00 3:00         0           Attributes (GGT.         Encolument Indi: 2.00         N 2:00 3:00         0           ST         2004 Oil 1.0 Denielle Aller         N 9 2:00 3:00         0           ST         Explore the intersection of gender, sexuality, true, class, religion, and embodiment in our time. Our focus is principally on the USA, though we make some foray into international conversations. Readings are drawn from a smattering of the most recent developments in academic research and theory, as well as from science ficrion, activitm, popular culture, and new weekids. We work to bring the periods in the formerly colonized regime frame.         0           ST         Encolument Elni: 10         Encolement Elni: 10         0         1:30 M 3:55 M 0           ST         Encolement Elni: 20         In Finis X weaking weaking would we new sore on the formerly colonized regime field would be the science on the term viola all south "a designation that mays unavenly onto the formerly colonized regimes field would be therm viola all south "a designation that mays unavenly onto the formerly colonized regimes of tait Amarking. Add Construction of the cloabel south the weaking about our past, presents and fitures.           Attributes i			1632	001	1.0	Regina K Velasco		Т	1:	30PM	3:55PM		0
<ul> <li>about the social construction of sexuality, gender, and embodiment? In this course, we will read mediaval literatures featuring leaking, agy, transpeeder, and arexual characters alongside documents of historical queer and trans people and contemporary queer theory and trans studies scholarship. All texts will be read in modern English translation. Crossilisted: SST. Encolleent limit: 23.00 Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Rumanities</li></ul>	SST	H234A	A Que	er and	Trans	Middle Ages							
Featuring leading, gay, transpender, and issue characters alongoide documents of historical queer and trans people and contemporar queer theory and trans studies scholarship. All texts will be read in modern English translation.         Crosslisted: GSST.       Brooliment Link: 25.00         Attributes: A: Meaning, Interpretation (Texts)       Gender and Sexuality Studies       Mum 2.100M       3.557M       0         ST       B200A       Interdisciplinary Perspectives on Gender       Mum 2.100M       3.557M       0         ST       B200A       Interdisciplinary Perspectives on Gender       Mum 2.100M       3.557M       0         ST       B200A       Interdisciplinary Perspectives on Gender       Mum 2.100M       3.557M       0         ST       B200A       Interdisciplinary Perspectives on Gender       Mum 2.100M       3.557M       0         ST       B200A       Interdisciplinary Perspectives on Gender       Mum 2.100M       3.1557M       0         ST       B114A       Origins of the Global South       Mum 2.100M       3.1557M       0         ST       Hita origins of the Global South       Mum 2.100M       1.00 megana K values       0       1.30 PM       3.1557M       0         ST       Hita origins of the Global South       This curves analysis of the Social Moria       0       1.30 PM       3.1557M		What st	ories a	bout qu	leer a	nd trans people circu	lated in the medieval period,	and what doe	es this i	body of	literatu	re tell us	
<ul> <li>contemporary queer theory and trans studies scholarship. All texts will be read in modern English translation. Crossilisted: GSST. Brollment Limit: 25.00 Attributes: A: Maming, Interpretation (Texts) Gender and Sexuality Studies (NUMARITIES 2094 U01 1.0 Danielle Alloc M 2100M 3:555M 0</li> <li>7 2200 Interdictiplinary Perspectives on Gender 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 forcey into international conversations. Readings are drawn from a sanatering 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. Enrolment Limit: 10 Lottery Preference(s): 1. Gen/Sex Concentrators 2. Juniors and Beniors Attributes: A: Maming, Interpretation (Texts) Gender and Sexuality Studies (Numarities 1632 001 1.0 Kegins K Velagins K Velagins K Velagins K Velagins ************************************</li></ul>		about t	he soci	al cons	struct	ion of sexuality, gen	der, and embodiment? In this	course, we wa	ill read	mediev	al literat	ture	
<ul> <li>contemporary queer theory and trans studies scholarship. All texts will be read in modern English translation. Crossilisted: GSST. Brollment Limit: 25.00 Attributes: A: Maming, Interpretation (Texts) Gender and Sexuality Studies (NUMARITIES 2094 U01 1.0 Danielle Alloc M 2100M 3:555M 0</li> <li>7 2200 Interdictiplinary Perspectives on Gender 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 forcey into international conversations. Readings are drawn from a sanatering 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. Enrolment Limit: 10 Lottery Preference(s): 1. Gen/Sex Concentrators 2. Juniors and Beniors Attributes: A: Maming, Interpretation (Texts) Gender and Sexuality Studies (Numarities 1632 001 1.0 Kegins K Velagins K Velagins K Velagins K Velagins ************************************</li></ul>		featuri	ng lesb	ian, ga	ay, tr	ansgender, and asexua	l characters alongside docume	ents of histo:	rical qu	eer and	l trans peo	ople and	
Enrolment Limit: 25.00         Ministry 24.001         Low Datelle Allor         Ministry 24.001         Display 24.001													
Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Numenities       NW       2:30M       3:355M       0         ST       H290A       Interdisciplinary Perspectives on Gender       NW       2:30M       3:55M       0         ST       H290A       Interdisciplinary Perspectives on Gender       NW       2:30M       3:55M       0         ST       H290A       Interdisciplinary Perspectives on Gender       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.       Enrolment Limit: 10         Lottery Preference(s): 1. Gen/Sex Concentrators 2. Juniors and Semiari       N       1:30PM       3:55PM       0         ST       H114A       Origins of the Global South       N       1:30PM       3:55PM       0         ST       H114A       Origins of the Global South       N       1:30PM       3:55PM       0         ST       H114A       Origins of the Global South       Namenial studies       Namenial studies       Namenial studies       Namenial studies         ST       H114A       Origins of the Global South       Namenial studies       Namenial studies       Namenial studies       Namenial studies       Namenial studies<		Crossli	sted: G	SST.									
2694     001     1.0     Damielle Allor     M W     2:30PM     3:55FM     0       ST     E290 Interdiciplinary perspectives on Gender 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 acience 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. Enrollment Limit: 10     0       1633     001     1.0     Regina X Velasco     M     1:30PM     3:55FM     0       ST     H114A     Origina of the Global South This course analyses the complex histories, shifting geographies, and unequal relationships of power denoted by the term "Clobal south," a designation that maps unevenly onto the formerly colonized regions of Latin America, Africa and Asia. As we shall see, the term is also at times used to describe marginal load populations and places within the "Clobal North," a convenient though not entirely accurate label for today's relatively rich and developed world regions. A hasic concern of the course will be to assess how colonialism and the legacies have influenced world history, including the production of knowledge. Our collective goal will be to develop new ways of thinking about our past, presents and futures. Attributes: A: Neaning, Interpretation (Texts)     African Studies     Stan Mayerican       ST     H118A     Introduction to the History of Science Attributes: A: Neaning, Interpretation of what uses they have made of it. Topics can include science an dedicine		Enrollm	ent Lim	it: 25.	.00								
BY         By Dressection of gender, sexuality, nee, 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. Enrollment limit: 10           Lottery Preference(s): 1. Gen/Sex Concentrators 2. Juniors and Seniors         N 1:30FM 3:35FM 0           Attributes: A: Neaning, Interpretation (Texts)         Gender and Sexuality Studies         N 1:30FM 3:35FM 0           ST         Hild Origins of the Global South         N 1:30FM 3:35FM 0         N 1:30FM 3:35FM 0           ST         Hild Origins of the Global South         N 1:30FM 3:35FM 0         N 1:30FM 3:35FM 0           ST         Hild Origins of the Global South         N 1:30FM 3:35FM 0         N 1:30FM 3:35FM 0           ST         Hild Origins of the Global South         N 1:30FM 3:35FM 0         N 1:30FM 3:35FM 0           ST         Hild Origins of the Global South         N 1:30FM 3:35FM 0         N 1:30FM 3:35FM 0           ST         Hild Origins of the Global South         N 1:30FM 3:35FM 0         N 1:30FM 3:35FM 0           ST         Hild Origins of the Global South         N 1:30FM 3:35FM 0         N 1:30FM 3:35FM 0           ST         Hild Origins of the Global South <td< td=""><td></td><td>Attribu</td><td>tes: A:</td><td>Meanir</td><td>ng, In</td><td>terpretation (Texts)</td><td>Gender and Sexuality Studie</td><td>es Humaniti</td><td>es</td><td></td><td></td><td></td><td></td></td<>		Attribu	tes: A:	Meanir	ng, In	terpretation (Texts)	Gender and Sexuality Studie	es Humaniti	es				
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Attributes: A: Meaning, Interpretation (Texts)       Gender and Sexuality Studies       Humanities         1633       001       1.0       Regina K Velasco       M       1:30FM       3:55FM       0         ST       H14A       Origins of the Global South       M       1:30FM       3:55FM       0         St       H14A       Origins of the Global South       M       1:30FM       3:55FM       0         St       we shall see, the term is also at times used to describe marginalized populations and places within the "Global North," a convenient though not entirely accurate label for today's relatively includiened world history, including the production of the course will be to assess how colonialism and its legacies have influenced world history, including the production of knowledge. Our collective goal will be to develop new ways of thinking about our pasts, presents and futures. Attributes: A: Meaning, Interpretation (Texts)       Africana Studies       S:5PM       0         ST       H18A       Introduction to the History of Science       Th       2:30PM       3:55PM       0         ST       H18A       Introduction to the History of Science       Attributes: A: Meaning, Interpretation (Texts)       Africana Studies       S:Asic Course an include science and medicine is an essential characteristic of the modern world, it took nearly 4000 years to attain that status. This course surveys various sciences, humanity involuedy, and what uses they have made of it. Toptis can include science and medicine in antiguity, Isla					-	1 1 1 1 1 1 1 1 1							
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<ul> <li>we shall see, the term is also at times used to describe marginalized populations and places within the "Global North," a convenient though not entirely accurate label for today's relatively rich and developed world regions. A basic concern of the course will be to assess how colonialism and its legacies have influenced world history, including the production of knowledge. Our collective goal will be to develop new ways of thinking about our pasts, presents and futures. Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis of the Social World Latin American, Iberian, and Latinx Studies Social Science</li> <li>2453 001 1.0 James Krippner T h 2:30PM 3:55PM 0</li> <li>ST H10A Introduction to the History of Science</li> <li>Although science is an essential characteristic of the modern world, it took nearly 4000 years to attain that status. This course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution. Enrollment Limit: 25</li> <li>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 2457 001 1.0 Dari Hayton M 10:00AM 11:25AM 0</li> <li>ST H26A Twentieth Century Europe: Modernism 1913-1937</li> <li>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. Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 2458 001 1.0 Lind Gerstein T Th 1:00PM 2:25PM 0</li> <li>ST H279A U.S. History, 1973-Present</li> <li>Scholars across fields date a crucial set of historical and cultural changes in</li></ul>				-							-		
<ul> <li>convenient though not entirely accurate label for today's relatively rich and developed world regions. A basic concern of the course will be to assess how colonialism and its legacies have influenced world history, including the production of knowledge. Our collective goal will be to develop new ways of thinking about our pasts, presents and futures. Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis of the Social World Latin American, UASS 001 1.0 James Krippner</li> <li>Th 2:30PM 3:55PM 0</li> <li>ST H18A Introduction to the History of Science</li> <li>Although science is an essential characteristic of the modern world, it took nearly 4000 years to attain that status. This course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution. Enrollment Limit: 25</li> <li>Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social Norld Social Science 2457 001 1.0 Darin Hayton</li> <li>The course and the instance 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. Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 2458 001 1.0 Linda Gerstein</li> <li>ST H279A U.S. History, 1973-Present</li> <li>Scholars across fields date a crucial set of historical and cultural changes in American and global history to the year 1973. This course of flees a survey of these transformations, from 1973 to the present time. Prerequisite(s): At least one 100-level course in the Humanities or Social Sciences Enrollment Limit: 25</li> <li>Lottery Preference(s):</li></ul>					2	-		2					
the course will be to assess how colonialism and its legacies have influenced world history, including the production of knowledge. Our collective goal will be to develop new ways of thinking about our pasts, presents and futures.         Attributes: A: Meaning, Interpretation (Texts)       Africana Studies       B: Analysis of the Social World       Latin American, Interpretation of the History of Science         2453       001       1.0       James Krippner       T Th       2:30PM       3:55PM       0         ST       H118A       Introduction to the History of Science       T Th       2:30PM       3:55PM       0         ST       H118A       Introduction to the History of Science       T Th       2:30PM       3:55PM       0         ST       H118A       Introduction to the History of Science       T Th       2:30PM       3:55PM       0         ST       H118A       Introduction to the History of Science       T Th       2:30PM       3:55PM       0         ST       H118A       Introduction to the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution. Enrollment Limit: 25       M W       10:00AM       11:25AM       0         ST       H226A       T													
knowledge. Our collective goal will be to develop new ways of thinking about our pasts, presents and futures.       Attributes: At Meaning, Interpretation (Texts) Africana Studies B: Analysis of the Social World Latin American, Iberian, and Latin X Studies Social Science       2453       001       1.0 James Krippner       T Th       2:30PM       3:55PM       0         ST       H18A Introduction to the History of Science       Although science is an essential characteristic of the modern world, it took nearly 4000 years to attain that status. This course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science an medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution.       0         ST       H26A Twentieth Century Europe: Modernism 1913-1937       M W       10:00AM       11:25AM       0         ST       H26A Twentieth Century Europe: And the challenge of a new European attempt at re-integration in the 1990s. Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science       225PM       0         ST       H276A Twentieth Century Europe; and the challenge of a new European attempt at re-integration in the 1990s. Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science       225PM       0         ST       H26A Twentieth Century Europe; and the challenge of a new European attempt at re-integration in the 1990s. Attributes: A: Meaning, Interpretation (Te				-		-		-		-			
Attributes: A: Meaning, Interpretation (Texts)       Africana Studies       B: Analysis of the Social World       Latin American, Iberian, and Latinx Studies       Social Sociance         2453       001       1.0       James Krippner       T       Th       2:30PM       3:55PM       0         ST       H118A       Introduction to the History of Science       Attributes: a: messential characteristic of the modern world, it took nearly 4000 years to attain that status. This course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution.       Enrollment Limit: 25         Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World       Social Science         2457       001       1.0       Darin Hayton       M       0         ST       H226A       Twentieth Century Europe: 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. Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World Social Science         2458       001       1.0       Link Europe; and the challenge of a new European attempt at re-integration in the 1990s. Attributes: A: Meaning, Interpretation (Texts)							-			-	-	001011 01	
Iberian, and Latinx Studies       Social Science       T       T       2:30 PM       3:55 PM       0         ST       H18A       Introduction to the History of Science       Although science is an essential characteristic of the modern world, it took nearly 4000 years to attain that status. This course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution. Enrollment Limit: 25       Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World       Social Science         ST       H26A       Twentieth Century Europe: 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. Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World       Social Science         ST       H279A       U.S. History, 1973-Present       T       T       T       1:00DM       2:25PM       0         ST       H279A       U.S. History, 1973-Present       Scholars across fields date a crucial set of historical and cultural changes in American and global history to the year 1973. This course offers a survey of these transformations, from 1973 to the present time. Prerequisite(s): At least one 100-level course in the Humanities or Social Sciences Enrollment Limit: 25												ican	
24530011.0James KrippnerTT2:30PM3:55PM0STH118AIntroduction to the History of Science Although science is an essential characteristic of the modern world, it took nearly 4000 years to attain that status. This course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution. Enrollment Limit: 25 Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 24570STH226ATwentieth Century Europe: Modernism 1913-1937 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. Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 24580STH279AU.S. History, 1973-Present Scholars across fields date a crucial set of historical and cultural changes in American and global history to the year 1973. This course offers a survey of these transformations, from 1973 to the present time. Prerequisite(s): At least one 100-level course in the Humanities or Social Sciences Enrollment Limit: 25 Lottery Preference(s): History majors					-	-	millicana beaules D. mary	515 01 010 0	Jerar Wo	110 1		ican,	
<ul> <li>ST H118A Introduction to the History of Science         Although science is an essential characteristic of the modern world, it took nearly 4000 years to attain that status. This         course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how         they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine         in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution.         Enrollment Limit: 25         Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science</li></ul>		IDerian						т т	'h 2•	30 DM	3.55 DM		0
Although science is an essential characteristic of the modern world, it took nearly 4000 years to attain that status. This course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution. Enrollment Limit: 25 Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 2457 001 1.0 Darin Hayton M 10:00AM 11:25AM 0STH226A Twentieth Century Europe: 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. Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 2458 001 1.0 Linda GersteinOSTH279AU.S. History, 1973-Present Scholars across fields date a crucial set of historical and cultural changes in American and global history to the year 1973. This course offers a survey of these transformations, from 1973 to the present time. Prerequisite(s): At least one 100-level course in the Humanities or Social Sciences Enrollment Limit: 25 Lottery Preference(s): History majorsHumanities or Social Sciences To the present time.								1 1	11 2.	JUEM	J.JJFM		0
<ul> <li>course surveys various sciences in the past focusing on both how and why humans have interrogated the natural world, how they have categorized the resulting knowledge, and what uses they have made of it. Topics can include science and medicine in antiquity, Islamic sciences, Byzantine and medieval sciences, early-modern science and the Scientific Revolution. Enrollment Limit: 25         Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 2457 001 1.0 Darin Hayton MW 10:00AM 11:25AM 0</li> <li>ST H26A Twentieth Century Europe: 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. Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Social Science 2458 001 1.0 Linda Gerstein T th 1:00PM 2:25PM 0</li> <li>ST H279A U.S. History, 1973-Present</li> <li>Scholars across fields date a crucial set of historical and cultural changes in American and global history to the year 1973. This course offers a survey of these transformations, from 1973 to the present time. Prerequisite(s): At least one 100-level course in the Humanities or Social Sciences Enrollment Limit: 25     Lottery Preference(s): History majors</li> </ul>	IST					-							
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Lottery Preference(s): History majors		-				one 100-level course	in the Humanities or Social S	ciences					
		Enrollm	ent Lim	it: 25									
Page 35 of 75		Lottery	Prefer	ence(s)	): His	tory majors							
	Page 3	5 of 75									Last Unda	ated: 4/5/2024 4	1.36 PM

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Days	Start	End	Room	Enrld
	Attribu	tes: So	cial Sci	ience								
		2459	001	1.0	Andrew Friedman			M W	11:30AM	12:55PM		0
HIST	H299A	Histor	ical Me	athods	s Lab: Archive Theory	and Practice						
	In rece	nt decad	des, the	e hist	torical concept of "th	ne archive" has serv	ved as a corners	tone for i	Inquiry acro	ss discipl	ines in the	
					nces. At a moment of c							
					altering the nature of							
					ry and practice of the	archive as method,	material cultu	re, power,	and idea c	f the worl	d.	
	Prerequ	isite(s)	): Sophc	omore	standing or above							
	Enrollm	ent Lim:	it: 25									
	Attribu	tes: A:	Meaning	g, Int	terpretation (Texts)	B: Analysis of the	e Social World	Museum St	tudies Soc	cial Scienc	е	
		1543	001	1.0	Marlen Rosas			T Th	10:00AM	11:25AM		0
IIST	H309A	Knowle	adge, Pc	ower,	and the Production of	History in Latin A	merica					
	This co				evolutionary politics,			ggles for	liberation	espoused b	v	
	grassro	ots inte	ellectua	als, ε	students, and working-	-class, peasant and	indigenous acti	vists in r	nodern Latin	America.	- We will	
					llectual and political							
					f imperial threats the		-					
	Enrollm	ent Lim	it: 12		-							
	Attribu	tes: A:	Meaning	g, Int	terpretation (Texts)	B: Analysis of the	e Social World	Latin Ame	erican, Iber	ian, and L	atinx	
	Studies	Soci	al Scier	nce	-	-						
		2460	001	1.0	Marlen Rosas			Th	1:30PM	3:55PM		0
IST	H341A	Topics	Compar	rative	e History							
		-	-		and papers. May be rep	peated for credit w	ith change of to	pic.				
					terpretation (Texts)				astern & Isl	amic Studi	es Social	
	Science		-		± , , , ,	-						
		2493	001	1.0	Bethel A. Saler			Th	1:30PM	3:55PM		0
IIST	H356A	Topics	s Europe	ean Hi	storv							
		-	-		terpretation (Texts)	B: Analysis of the	e Social World	Social So	cience			
			_		Linda Gerstein	-		М	1:30PM	3:55PM		0
IST	H400A	Senior	r Thesis	s Semi	nar							
	Historv	400a ti	nesis se	eminar	r is the senior resear	cch lab for thesis w	vork. Students e	nrolled in	h the one-se	mester opt	ion will	
					last day of class, ar							
					to History 400b in the				-			
					f the thesis.	1 2 1			5	-	1	
		-	cial Sci									
		1150			Darin Hayton			W	1:30PM	3:55PM		0
		1151			James Krippner			W	1:30PM	3:55PM		0
		1413			Bethel A. Saler			W	1:30PM	3:55PM		0
	111153				alth Studies			**	1.50111	5.55111		0
TIMIT	H115A				dation for the health	studios minom Ctur	Jonto will be in	tundunand t	a theories	and mathed	a from the	
LTH	m1 1				lation for the health	studies minor. Stud		troquced t	to theories	and method	s irom the	
LTH		-								11		
LTH	life sc	iences,	social	scien	nces, and humanities a	and will learn to ap	oply them to pro	blems of h			pics	
LTH	life sc include	iences, epidem:	social iologica	scien al, pu	nces, and humanities a ublic health, and biom	and will learn to ag nedical perspectives	oply them to pro s on health and	blems of h disease; s	social, beha	vioral, an	pics d	
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Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Days	Start	End	Room	Enrld
		1417	001	1.0	Lauren Minsky			T Th	11:30AM	12 <b>:</b> 55PM		0
HLTH	the rel capital Partici "healin Pre-req Lottery Enrollm	health e ationshi ism, met pate in g" globa uisite(s Prefere ent Limi <i>tes: B:</i>	enviror ips bet tabolic debate al heal s): Int ence: ( it: 25. <i>Analys</i>	hments tween c diso es ove lth en tro to (1) De .00 sis of	s have been shaped intensive agricul orders and cancers er how to address invironments that co b Health Studies (1 eclared Health Studies f the Social World	ture and the cultive ; and differential humanity's current an be recycled from HLTH H115/HLTH B113 dies minors, (2) En	es of imperialism and vation of disease; tra racial, gendered and existential crisis, a	de and di class ent nd learn structor. nd/or His es Socia	isease sprea citlements a about alter story majors al Science	ad; industr and life ex rnative app s/minors	ial pectancy.	0
HLTH	H265A		1 Anth		Lauren Minsky			ΜW	11:30AM	12:55PM		0
	and the begin t explori methodo classic account Enrollm Lottery	episten o answer ng the t logical al ethno s of ill ent Limi Prefere	nology r this theoret concer ographi lness a it: 25 ence(s) <i>Analys</i>	of co and o tical rns an ic wri and he ): 1.) sis of	notemporary biomed other questions by and philosophical ad ethnographic in tings, philosophi- ealth. Health Studies m	icine across a dive examining the hist underpinnings of vestigations that l cal treatises, anth	bdy, illness experience erse group of cultures corical development of the debates that have have broadened the sco propological theory, i logy majors and minors <i>Humanities</i>	and trac the fiel shaped th pe of its ndigenous	ditions? The ld of medica he field, and s inquiry. H	ls course s al anthropo nd examinin Readings ra	eeks to logy, g the nge from	0
		-						T Th	1:00PM	2:25PM		0
ILTH	present eradica Prerequ OR perm Enrollm Lottery concent	urse end . Topics tion can isite(s) ission c ent Limi Prefere rators. <i>tes: Afr</i>	gages of s inclu mpaigns ): HLTH of the it: 15 ence(s) ricana	critic ude co s; fam H 115 instr ): Hea Studi	blonial and mission nily planning; lab OR at least one concurt suctor alth Studies senion tes B: Analysis	g intervention para nary medicine; san: or hierarchies; por ourse in anthropolo rs, Health Studies	adigms in global healt itation and segregatic stcolonial technoscien ogy or history juniors, Anthropology d Health Studies S	on; medica ce; medic majors c	alization of cal research or minors, 2	f reproduct	ion;	0
		1564			Anna M West							0
HLTH	relate transla climate Ayurved Pre-req Lottery Environ Enrollm	"tradit to "anti ted and crisis a; Unani uisite(s Prefere mental s ent Limi	tional ique" s transf and bi i-tibb; s): HLT ence: ( studies it: 15.	medic senses formed illion Home TH 115 (1) De s, or .00	and sensibilitie d traditional medi- naires' efforts to eopathy; Sufi, Sai 5, or any course i eclared Health Stu- Religion majors;	t simultaneously re s of an enchanted of cine for a "modern" conjure transhuman nt and Goddess cult n History, Anthropo dies seniors; (2) 1 (4) Everyone else.	evered, reviled and su cosmos, seasonality an "world? Does traditi nism? Readings includ cs; Yoga; and Nature C blogy or Religion, or Declared Health Studie tudies Health Studie	d steward onal medi le TCM; Ka Cure. permissions s juniors	dship? How icine have n ampo; Talmud on of the in s; (3) Histo	have peopl celevance f dic Medicin nstructor	e or the e;	
			-						11:00AM	1.05 DM		0
		1689	001	1.0	Lauren Minsky			F	II:UUAM	1:25PM		0

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	This course explores the conceptual, methodological, and ethical complexities or anthropological inquiry. Together we will investigate what anthropologists, me people living with addiction can gain from ethnographic research. We will ask: understand the degree to which the phenomenon of addiction is socially, cultura experienced in intimate and often deeply painful ways? Crosslisted: HLTH.	edical doctor : how can eth	s, public he nography he	ealth scho lp us to b	lars, and etter	
	Enrollment Limit: 15.00 Attributes: B: Analysis of the Social World Health Studies Social Science					
	2656 001 1.0 Michael D'Arcy	W	1:30PM	3:55PM		0
ilth	H398A Senior Seminar Health Studies Required culminating seminar, which integrates the three tracks of the Health S assess their own and fellow students' ongoing work to communicate across discip interconnectedness of different disciplinary approaches. Students present and d projects at the end of the course. Prerequisite(s): HLTH 115; students must be in their senior year and be declare Enrollment Limit: 10 Attributes: B: Analysis of the Social World Health Studies	olines and un defend their	derstand the semester-los	e value an ng collabo	d rative	
	1884 001 1.0 Anna M West					0
	several disciplines: cognitive psychology, art & design, and user design. It is the method used by many companies and organizations to design products and serv serve. Students will both learn the process and create their own projects. Lottery Preference: no preferences Enrollment Limit: 15.00 Attributes: A: Creative Expression Humanities	vices that re	late direct.	ly to the	2	
	2075 001 .5 Ronah Harris	W	1:30PM	3:55PM		0
ICPR	H298A Impact Investing Impact investing is investing to generate both a financial return and a positiv to address social, environmental and /or governance problems (ESG) in a sustain focus of this course is to not only gain an understanding of the theory and pra components, but also to gain practical experience by assessing a particular set formal presentations of findings to an investment committee leading to a recomm foundation. Crosslisted: Economics, Independent College Programs, PJHR Prerequisite(s): ECON 104 or 105 or 106	hable way oft actice of imp t of potentia	en within ma act investin l impact inv	arket acti ng across vestments,	vity. The its many making	
	Enrollment Limit: 16 Attributes: B: Analysis of the Social World Peace, Justice and Human Rights World Peace, Justice and Human Rights Social Science 1545 001 1.0 Shannon B. Mudd	Social Scie M W	ence B: And 1:00PM	alysis of 2:25PM	the Social	0
	Attributes: B: Analysis of the Social World Peace, Justice and Human Rights World Peace, Justice and Human Rights Social Science			-	the Social	0 0
CPR	Attributes: B: Analysis of the Social World Peace, Justice and Human Rights World Peace, Justice and Human Rights Social Science 1545 001 1.0 Shannon B. Mudd	M W	1:00PM	2:25PM	the Social	
ICPR	Attributes: B: Analysis of the Social World Peace, Justice and Human Rights World Peace, Justice and Human Rights Social Science 1545 001 1.0 Shannon B. Mudd 1545 001 1.0 Shannon B. Mudd	M W	1:00PM	2:25PM	the Social	

This course provides a solid introduction to the Italian language and culture. It is intended for students with no previous knowledge of Italian and aims at giving them a complete foundation in Italian grammar and pronunciation, with particular attention to listening, speaking, reading, and writing skills. Students refine communicative and cross-cultural comparison abilities by completing tasks such as role-plays, music and video projects, and creative compositions, in pairs and/or small groups, to stimulate dialogue and create a dynamic and vibrant learning environment. Classes are student-centered and

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	designed to foster students' language skills, keeping in mind their different weekly 55-minute sessions: three sessions with the instructor and one with a hone language communicative skills. This course promotes diversity, equity, a Prerequisites: none. Enrollment Limit: 15	TA, to work on	written and	l oral assi	gnments and	L
	Attributes: A: Meaning, Interpretation (Texts) Humanities A: Meaning, Int	torprotation (T	ovto) Uuma	nities		
	1277 001 1.0 TBA Department staff TA Session	Th	8:30AM	9:25AM		0
	1277 001 1.0 Giulio Genovese	M W F	8:30AM	9:25AM		0
	1277 001 1.0 Giulio Genovese	M W F	9:30AM	10:25AM		0
	1278 002 1.0 TBA Department staff TA Session	Th	9:30AM	10:25AM		0
ISE	H001A First-Year Japanese (Intensive)		<b>J.</b> J <b>U</b>	10.20111		0
1911	Class meets six hours per week. Students must register for sections 1, 2 or 3	3 and A. B or C.	An introdu	ction to t	he four	
	basic skills (reading, writing, speaking, and listening), with special emphas					,
	in socio-cultural contexts. This is a year-long course; both semesters (001 &					
	Enrollment Limit: 18	, <u> </u>				
	Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cul	ltures Humanit	ties			
	1280 001 1.5 Tetsuya Sato	M W	8:30AM	9:55AM		0
	1283 002 1.5 Yuka Usami Casey	M W	10:00AM	11:25AM		0
	1286 003 1.5 Yuka Usami Casey	M W	1:00PM	2:25PM		0
	1281 00A .0 Kei Walsh	T Th	8:30AM	9:55AM		0
	1282 00B .0 Minako Kobayashi	T Th	10:00AM	11:25AM		0
						0
NSE	1287       00C       .0       Minako Kobayashi         H003A       Second-Year Japanese         Class meets five hours per week. Students must register for sections 1 or 2         Japanese, with a focus on the further development of oral proficiency, along					
ISE	H003A Second-Year Japanese Class meets five hours per week. Students must register for sections 1 or 2 Japanese, with a focus on the further development of oral proficiency, along not required to take both semesters.) Prerequisite(s): First-year Japanese or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cul 1303 001 1.0 Kimiko Suzuki 1304 002 1.0 Kimiko Suzuki 1305 00A .0 Yuka Usami Casey	and A or B. A c with reading an <i>ltures Humanit</i> M W M W T Th	continuation nd writing s ties 8:30AM 10:00AM 10:30AM	of first- kills. (St 9:55AM 11:25AM 11:25AM		0 0 0
	H003A Second-Year Japanese Class meets five hours per week. Students must register for sections 1 or 2 Japanese, with a focus on the further development of oral proficiency, along not required to take both semesters.) Prerequisite(s): First-year Japanese or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cul 1303 001 1.0 Kimiko Suzuki 1304 002 1.0 Kimiko Suzuki 1305 00A .0 Yuka Usami Casey 1306 00B .0 Yuka Usami Casey	and A or B. A c with reading an <i>ltures Humanit</i> M W M W	continuation nd writing s ties 8:30AM 10:00AM	of first- kills. (St 9:55AM 11:25AM		0 0
JNSE	H003A Second-Year Japanese Class meets five hours per week. Students must register for sections 1 or 2 Japanese, with a focus on the further development of oral proficiency, along not required to take both semesters.) Prerequisite(s): First-year Japanese or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui 1303 001 1.0 Kimiko Suzuki 1304 002 1.0 Kimiko Suzuki 1305 00A .0 Yuka Usami Casey 1306 00B .0 Yuka Usami Casey H101A Third-Year Japanese Class meets three hours per week. A continuation of language study with furth reading/writing skills. Emphasis on reading and discussing simple texts. Adva in opinion essay and report writing. Additional oral practice outside of the Prerequisite(s): JNSE 004 or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages And Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages And Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages And Cui Attributes: A: Meaning, Interpretation (Texts) East Asian Languages And Cui Attributes: A: Attributes: A: Att	and A or B. A c with reading an <i>ltures Humanit</i> M W M W T Th T Th ther development anced study of c classroom expect <i>ltures Humanit</i>	continuation nd writing s 8:30AM 10:00AM 10:30AM 11:30AM of oral pro grammar and oted.	9:55AM 9:55AM 11:25AM 11:25AM 12:25PM ficiency a kanji; more	udents are	0 0 0
NSE	H003A Second-Year Japanese Class meets five hours per week. Students must register for sections 1 or 2 Japanese, with a focus on the further development of oral proficiency, along not required to take both semesters.) Prerequisite(s): First-year Japanese or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui 1303 001 1.0 Kimiko Suzuki 1304 002 1.0 Kimiko Suzuki 1305 00A .0 Yuka Usami Casey 1306 00B .0 Yuka Usami Casey H101A Third-Year Japanese Class meets three hours per week. A continuation of language study with furth reading/writing skills. Emphasis on reading and discussing simple texts. Adva in opinion essay and report writing. Additional oral practice outside of the Prerequisite(s): JNSE 004 or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui 1284 001 1.0 Tetsuya Sato	and A or B. A c with reading an <i>ltures Humanit</i> M W M W T Th T Th her development anced study of c classroom expect	continuation nd writing s ties 8:30AM 10:00AM 10:30AM 11:30AM of oral pro grammar and cted.	9:55AM 11:25AM 12:25PM	udents are	0 0 0
	H003A Second-Year Japanese Class meets five hours per week. Students must register for sections 1 or 2 Japanese, with a focus on the further development of oral proficiency, along not required to take both semesters.) Prerequisite(s): First-year Japanese or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui 1303 001 1.0 Kimiko Suzuki 1304 002 1.0 Kimiko Suzuki 1305 00A .0 Yuka Usami Casey 1306 00B .0 Yuka Usami Casey H101A Third-Year Japanese Class meets three hours per week. A continuation of language study with furth reading/writing skills. Emphasis on reading and discussing simple texts. Adva in opinion essay and report writing. Additional oral practice outside of the Prerequisite(s): JNSE 004 or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui 1284 001 1.0 Tetsuya Sato H201A Advanced Japanese Class meets three hours per week. Continued training in modern Japanese, with of the kanji, and expansion of vocabulary. Explores a variety of genres and t Prerequisite(s): JNSE 102 or equivalent or instructor consent Enrollment Limit: 18	and A or B. A c with reading an ltures Humanit M W M W T Th T Th her development anced study of g classroom expect ltures Humanit M W F h particular emp text types using	continuation nd writing s 8:30AM 10:00AM 10:30AM 11:30AM of oral pro grammar and cted. ties 11:30AM phasis on re g authentic	9:55AM 11:25AM 11:25AM 12:25PM ficiency at kanji; mor 12:25PM	nd e training s, mastery	0 0 0 0
NSE	H003A Second-Year Japanese Class meets five hours per week. Students must register for sections 1 or 2 Japanese, with a focus on the further development of oral proficiency, along not required to take both semesters.) Prerequisite(s): First-year Japanese or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui 1303 001 1.0 Kimiko Suzuki 1304 002 1.0 Kimiko Suzuki 1305 00A .0 Yuka Usami Casey 1306 00B .0 Yuka Usami Casey H101A Third-Year Japanese Class meets three hours per week. A continuation of language study with furth reading/writing skills. Emphasis on reading and discussing simple texts. Adva in opinion essay and report writing. Additional oral practice outside of the Prerequisite(s): JNSE 004 or equivalent or instructor consent Enrollment Limit: 18 Attributes: A: Meaning, Interpretation (Texts) East Asian Languages and Cui 1284 001 1.0 Tetsuya Sato H201A Advanced Japanese Class meets three hours per week. Continued training in modern Japanese, with of the kanji, and expansion of vocabulary. Explores a variety of genres and t Prerequisite(s): JNSE 102 or equivalent or instructor consent	and A or B. A c with reading an ltures Humanit M W M W T Th T Th her development anced study of g classroom expect ltures Humanit M W F h particular emp text types using	continuation nd writing s 8:30AM 10:00AM 10:30AM 11:30AM of oral pro grammar and cted. ties 11:30AM phasis on re g authentic	9:55AM 11:25AM 11:25AM 12:25PM ficiency at kanji; mor 12:25PM	nd e training s, mastery	0 0 0 0

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Days	Start	End	Room	Enrld
	vocabul ourselv in Lat: Africa,	lary and ves with in, join , to the	l gramm the m ing a	ar nec ytholc histor	language. Our main f essary to read the g ggy, history, and cul cy of conversation th nanists of the Renais	reat works of anc ture of the Roman at stretches from	ient Latin poetry s. We'll also spen the early Latin s	and prose, d some time peakers of	as well as e learning t southern Eu	familiar co convers urope and	izing se and write northern	
	course	ment Lim										
				na, Ir	nterpretation (Texts)	Humanities						
		1061	001	2.	Bret Mulligan			MWF	9:30AM	10:25A	4	0
		1395	002	1.0	Bret Mulligan			ΜWF	10:30AM	11:25AI	4	0
LATN		cus in t	his in	termed	n: Roman Identities diate language course assion of Perpetua an		J 1 J					
	gramma the cu (cultur	r and de ltural, ral, gen	velop litera der, o	sound ry, an r reli	reading strategies a d historical issues gious) and Roman soc or placement into LA	s we continue our that these two te ial mores.	study of Latin to	gether. Doi	ng so will	help us a	appreciate	
	-				terpretation (Texts)		anities					
		1062			Carman Vera Romano			M W F	11:30AM	12:25PI	ľ	0
	find? : preserv periods documen Prerequ	In this ved afte s that t nts: as uisite(s	course er his look th litera ): Two <i>Meani</i>	, we w death eir in ture, semes ng, In	ets, or blog posts we will examine just suc by an unknown editor aspiration from Cicer a historical archive sters of 100-level La aterpretation (Texts) Ryan Warwick	h a case: the 914 . We will read a o's. In doing so, , or even as conf tin, or instructo	personal letters selection of these we will also see essions.	written by letters, a	Marcus Tuli as well as i	lius Cice: letters f:	ro that were rom later tood these	0
LATN	H350A				Literature: Postclas	sicisms: Flavian/	Late					
	works, aesthet and nor rivalry moments (likely idea, of for the May be	eminar w and ide tic and rthern). y, innov s played y one in or genre ose so i repeate	as. We intell We wi ration, I in th prose throu ncline d for <i>Meani</i>	plore will ectual ll con and ( e cons and c gh the d, to credit ng, In	the concept of the " focus on three disti programs: the Flavi asider the configurat (mis)/(re)interpretat struction of the clas one in verse), studen ese three epochs. Mos look to Greek as wel	nctive moments in an period, Late A ion and transmiss ion (among other sical. Alongside ts will have the t of the work in	which secondarine ntiquity (broadly ion of classical c creative responses our collective inv opportunity to tra	ss emerged conceived), anons and h )—as well a estigation ce the iter	as a format and the Re now these sp as the role of a speci: cative recept	tive element enaissance purred en that pos fic text o ption of a	ent of e (southern vy, anxiety, cclassical or genre an author,	
LING	H010F	Intro			apotec							
					rtion to Dizhsa (San Indigenous language							,

Introduction to Dizhsa, an Indigenous language of Oaxaca, Mexico. Students will gain skills in listening, speaking, reading, and writing and will learn about cultural context in both Oaxaca and the diaspora. As a 0.5 unit course, this course does not satisfy the language requirement. This course is funded through the Mellon Together with Humanities grant. Pre-requisite(s): LING 215 (can also be a co-requisite) or instructor consent.

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s) Days Start End Room	Enrld
	Lottery Preference: This course is funded by the Mellon Together with Humanities grant and may be offered for up to three years. It is funded under the schema of "course cluster" and will be in a cluster with Ling 215. Thus, students in Ling 215 should have priority in enrollment. Any open seats could be open lotteried. Enrollment Limit: 25.00	
	Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, Iberian, and Latinx Studies 2689 010 .5 TBA Department staff F 11:00AM 12:25PM	0
LING	H011A American Sign Language I Introduction to learning and understanding American Sign Language (ASL), and the cultural values and rules of behavior of the American Deaf community. Includes receptive and expressive readiness activities; sign vocabulary; grammatical structure; facial expressions (emotional & grammatical), body/spatial movement, gestures; receptive and expressive fingerspelling; and deaf culture do's and don'ts. Specific concepts/topics include the number/letter basics, identifying people, activities, places, and family. This course is funded by Mellon Together with Humanities Grant. Can count towards Haverford's Language Requirement.	
	Pre-requisite(s): WRPR 118 (can also be a co-requisite) or instructor consent. Lottery Preference: This course is funded by the Mellon Together with Humanities grant and may be offered for up to three years. It is funded under the schema of "course cluster" and will be in a cluster with a first year writing seminar on Disability and Difference. Enrollment Limit: 20.00 Attributes: A: Meaning, Interpretation (Texts) Humanities	
	2690 001 1.0 TBA Department staff	0
LING	H101A Introduction to Linguistics An introductory survey of linguistics as a field. This course examines the core areas of linguistic structure (morphology, phonlogy, 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) Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Humanities 1519 001 1.0 TBA Department staff	0
LING	H113A Introduction to Syntax This course is a hands-on investigation of sentence structures in human language. This is a participation intensive course. Collectively, the class will develop an increasingly complex syntactic theory starting with basic assumptions and seeing where they lead. In the process, students will develop skills in observing syntactic patterns and analyzing these patterns in order to come to some generalizations on their own. Enrollment Limit: 25 Lottery Preference(s): (1) Sr. Ling Majors (2) Jr. Ling Majors (3) Sr. Ling Minors (4) In Ling Minors	

- (4) Jr. Ling Minors
- (5) Neuroscience minors
- (6) sophomores

ubject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)				Days	Start	End	Room	Enrld
	(7) firs	st years	3										
	(8) eve	ryone el	.se (jr	s/sen:	iors)								
	Attribu	tes: B:	Analys	is of	the Social Worl	d Humanities	Neuroscience	Symbolic	c Reasoning				
		1520	001	1.0	TBA Department	staff			T Th	1:00PM	2:25PM		0
NG	H114A	Introd	luction	to Se	emantics								
	This cou	irse foc	cuses o	n the	study of meanin	g in human lar	nguage. We will e	explore ser	mantic issue	es that ar	ise from th	ne lexicon,	
	the sent	tences,	and th	e diso	course. Along th	e way, we will	. investigate not	only the	semantic st	ructure o	f natural l	language but	
	also pra	agmatic	factor	s that	t affect languag	e use. This is	s a participation	-intensive	e course. Ir	the proc	ess, studer	nts will not	
	only lea	arn the	basic	semant	tic theory but w	ill also devel	op skills in obs.	erving ser	mantic patte	erns and a	nalyzing th	nese	
					to some generali								
				previo	ous linguistics	class or instr	uctor permission	1.					
	Enrollme												
	Lottery		. ,	:									
	(1) Sr.	2	2										
	(2) Jr.	-	-										
	(3) Sr.	-											
	(4) Jr.	2											
	(5) Neui		ce mino	rs									
	(6) soph												
	(7) firs	-		,									
	(8) ever	-	-			1		a 1 1 '					
	Attribui		-		the Social Worl	d Humanities	Neuroscience	Symbolic	c Reasoning	11.0000	12:55PM		0
		1418			Amanda Payne				T Th	11:30AM	IZ.JJFM		0
ING	H115A	Phonet	ics an	d Phor	nology								0
ING	This cou	Phonet urse inv	<b>ics an</b> vestiga	<b>d Phor</b> tes th	nology ne sound pattern		nan languages. Ph		s the study	of these	patterns fr		U
ING	This cou physical	<b>Phonet</b> urse inv l and pe	<b>ics an</b> vestiga erceptu	<b>d Phor</b> tes th al per	nology ne sound pattern rspective while	phonology is t	the study of soun	d patterns	s the study s from a coo	of these gnitive pe	patterns fr rspective.	Activities	0
NG	This couphysical	<b>Phonet</b> urse inv l and pe class wi	<b>ics an</b> vestiga erceptu .ll exp	d Phor tes th al per	nology ne sound pattern rspective while tudents to the m	phonology is t ethodologies u	the study of soun used by both pers	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	-
ING	This couphysical in the c analysis	Phonet arse inv l and pe class wi s for ph	xics an vestiga erceptu .ll exp nonetic	d Phor tes th al per ose st es and	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
NG	This cou physical in the c analysis understa	Phonet arse inv l and pe class wi s for ph anding t	vestiga erceptu ll exp nonetic che nat	d Phor tes th al per ose st es and	nology ne sound pattern rspective while tudents to the m	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	-
NG	This couphysical in the c analysis understa Enrollma	Phonet arse inv l and pe class wi s for ph anding t ent Limi	vestiga erceptu ll exp nonetic che nat	d Phor tes th al per ose st s and ure of	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
NG	This couphysical in the canalysis understa Enrollme Lottery	Phonet arse inv l and pe class wi s for ph anding t ent Limi Prefere	vestiga erceptu ll exp nonetic the nat t: 25 ence(s)	d Phor tes th al per ose st s and ure of	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
NG	This couphysical in the canalysis understa Enrollme Lottery (1) Sr.	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors	d Phor tes th al per ose st s and ure of	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
NG	This couphysical in the canalysis understa Enrollme Lottery (1) Sr. (2) Jr.	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Ma	cics and vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors	d Phor tes th al per ose st s and ure of	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	-
ING	This couphysical in the canalysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr.	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi	cics and vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors	d Phor tes th al per ose st s and ure of	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
NG	This couphysical in the canalysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr.	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi	rics and restigation arceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors nors	d Phor tes th al per ose st s and ure of :	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
NG	This couphysical in the canalysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neuron	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi roscienc	rics and restigation arceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors nors	d Phor tes th al per ose st s and ure of :	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
ING	This couphysical in the canalysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neur (6) soph	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi roscience	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors nors ce mino	d Phor tes th al per ose st s and ure of :	<b>hology</b> he sound pattern rspective while tudents to the m formal theoreti	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
ING	This couphysical in the canalysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neum (6) soph (7) firs	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi roscienc nomores st years	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors nors ce mino	d Phor tes th al per ose st s and ure of :	he sound pattern rspective while tudents to the m formal theoreti f sound patterns	phonology is t ethodologies u cal models for	the study of soun used by both pers phonology) and	nd patterns spectives	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
ING	This couphysical in the canalysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neus (6) soph (7) firs (8) even	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi roscienc nomores st years ryone el	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors ce mino se (jr	d Phor tes th al per ose st s and ure of :	he sound pattern rspective while tudents to the m formal theoreti f sound patterns	phonology is t ethodologies u cal models for in human lang	the study of soun used by both pers phonology) and guage.	d patterns spectives show the r	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
NG	This couphysical in the canalysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neus (6) soph (7) firs (8) even	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi Ling Mi soscience nomores st years ryone el tes: B:	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors nors ce mino se mino se (jr <i>Analys</i>	d Phor tes the ose stand ure of : rs rs rs	he sound pattern rspective while tudents to the m formal theoreti f sound patterns iors) the Social Worl	phonology is t ethodologies u cal models for in human lang	the study of soun used by both pers phonology) and guage.	d patterns spectives show the r	s the study s from a coo (articulator necessity ar	of these g gnitive pe cy descrip nd utility	patterns fr rspective. tion and ac of both ap	Activities coustic	
	This couphysical in the or analysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neum (6) soph (7) firs (8) even Attribut	Phonet urse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi coscience nomores st years ryone el tes: B: 1521	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors nors ce mino se (jr <i>Analys</i> 001	d Phor tes th al per ose st s and ure of : rs rs s/sen: tis of 1.0	he sound pattern rspective while tudents to the m formal theoreti f sound patterns iors) the Social Worl Noah Elkins	phonology is t ethodologies u cal models for in human lang d Humanities	the study of soun used by both pers phonology) and guage.	d patterns spectives show the r	s the study s from a coc (articulator	of these g nitive pe	patterns fr rspective. tion and ac	Activities coustic	
	This couphysical in the of analysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neuu (6) soph (7) firs (8) even Attribut	Phonet arse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi Ling Mi coscience st years ryone el tes: B: 1521 The St	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors ce mino se (jr <i>Analys</i> 001	d Phor tes th al per ose st s and ure of :	ne sound pattern rspective while tudents to the m formal theoreti f sound patterns iors) the Social Worl Noah Elkins	phonology is t ethodologies u cal models for in human land d Humanities Zapotec	the study of soun need by both pers phonology) and guage.	d patterns spectives show the r soning	s the study s from a coo (articulator necessity ar	of these y gnitive pe cy descrip nd utility 1:00PM	patterns fr rspective. tion and ac of both ap 2:25PM	Activities coustic oproaches in	
	This couphysical in the of analysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neuu (6) soph (7) firs (8) even Attribut H215A A detail	Phonet arse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi Ling Mi coscience st years ryone el tes: B: 1521 The St led exam	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors ce mino se (jr <i>Analys</i> 001 <b>ructur</b> ninatio	d Phor tes the al per- ose st s and ure of :	ne sound pattern rspective while tudents to the m formal theoreti f sound patterns <i>the Social Worl</i> Noah Elkins <b>Colonial Valley</b> the grammar of C	phonology is t ethodologies u cal models for in human land d Humanities Zapotec olonial Valley	the study of soun need by both pers phonology) and guage. S Symbolic Reas	d patterns spectives show the r soning ligenous la	s the study s from a coo (articulator necessity ar	of these y gnitive pe cy descrip nd utility 1:00PM	patterns fr rspective. tion and ac of both ap 2:25PM	Activities coustic oproaches in	
	This couphysical in the of analysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neun (6) soph (7) firs (8) even Attribut H215A A detail on resea	Phonet arse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi coscienc st years ryone el tes: B: 1521 The St led exam	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors ce mino se (jr <i>Analys</i> 001 <b>ructur</b> ninatio orpholo	d Phor tes th al per ose st s and ure of :	ne sound pattern rspective while tudents to the m formal theoreti f sound patterns <i>the Social Worl</i> Noah Elkins <b>Colonial Valley</b> the grammar of C analysis, and t	phonology is t ethodologies u cal models for in human land d Humanities Zapotec olonial Valley ranslation of	the study of soun ased by both pers phonology) and guage. S Symbolic Reas V Zapotec, an ind archival documen	ad patterns spectives show the r sooning ligenous la	M W Anguage of C	of these y gnitive pe cy descrip nd utility 1:00PM Daxaca, Me	patterns fr rspective. tion and ac of both ap 2:25PM	Activities coustic oproaches in	
	This couplysical in the of analysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neu (6) soph (7) firs (8) even Attribut H215A A detail on resea Prerequi	Phonet arse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi coscienc comores st years ryone el tes: B: 1521 The St led exam arch, mc isite(s)	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors ce mino se (jr <i>Analys</i> 001 <b>ructur</b> ninatio orpholo : LING	d Phor tes th al per ose st s and ure of :	ne sound pattern rspective while tudents to the m formal theoreti f sound patterns <i>the Social Worl</i> Noah Elkins <b>Colonial Valley</b> the grammar of C analysis, and t	phonology is t ethodologies u cal models for in human land d Humanities Zapotec olonial Valley ranslation of	the study of soun need by both pers phonology) and guage. S Symbolic Reas	ad patterns spectives show the r sooning ligenous la	M W Anguage of C	of these y gnitive pe cy descrip nd utility 1:00PM Daxaca, Me	patterns fr rspective. tion and ac of both ap 2:25PM	Activities coustic oproaches in	
ING	This couplysical in the of analysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neum (6) soph (7) firs (8) even Attribut H215A A detail on resea Prerequi Enrollme	Phonet arse inv l and pe class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi toscienc nomores st years ryone el tes: B: 1521 The St led exam arch, mc isite(s)	vestiga erceptu ll exp nonetic the nat t: 25 ence(s) ajors ajors nors ce mino se (jr <i>Analys</i> 001 <b>cructur</b> minatio orpholo : LING t: 15	d Phor tes th al per ose st s and ure of : : : : : : : : : : : : : : : : : : :	ne sound pattern rspective while tudents to the m formal theoreti f sound patterns the Social Worl Noah Elkins Colonial Valley the grammar of C analysis, and t and one of the	phonology is t ethodologies u cal models for in human land d Humanities Zapotec olonial Valley ranslation of following: LIN	the study of soun ised by both pers phonology) and guage. S Symbolic Reas Zapotec, an ind archival documen IG 101, 114, 115,	soning ligenous lats. or instru	M W M w M w	of these y gnitive pe cy descrip nd utility 1:00PM Daxaca, Me: nt	patterns fr rspective. tion and ac of both ap 2:25PM xico. Focus	Activities coustic oproaches in	0
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	This couplysical in the of analysis understa Enrollme Lottery (1) Sr. (2) Jr. (3) Sr. (4) Jr. (5) Neum (6) soph (7) firs (8) even Attribut H215A A detail on resea Prerequi Enrollme	Phonet arse inv l and pe- class wi s for ph anding t ent Limi Prefere Ling Ma Ling Mi Ling Mi roscience homores st years st years st years t 1521 The St led exam arch, mc isite(s) ent Limi tes: A: Studies	vestiga erceptu il exp nonetic the nat t: 25 ence(s) ajors ajors nors ce mino se (jr <i>Analys</i> 001 <b>ructur</b> ninatio orpholo : LING t: 15 <i>Meanin</i>	d Phor tes th al per ose st s and ure of : : : : : : : : : : : : : : : : : : :	nology he sound pattern rspective while tudents to the m formal theoreti f sound patterns <i>iors</i> ) <i>the Social Worl</i> Noah Elkins <b>Colonial Valley</b> the grammar of C analysis, and t and one of the <i>terpretation (Te</i>	phonology is t ethodologies u cal models for in human land d Humanities Zapotec olonial Valley ranslation of following: LIN	the study of soun ised by both pers phonology) and guage. S Symbolic Reas Zapotec, an ind archival documen IG 101, 114, 115,	soning ligenous lats. or instru	M W Mutor Conser Humanities	of these y gnitive pe by descrip nd utility 1:00PM Daxaca, Me Daxaca, Me nt s Latin	patterns fr rspective. tion and ac of both ap 2:25PM xico. Focus American, 1	Activities coustic oproaches in	0
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	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room Enrld
NG	H299A Advanced Research Methods				
	Students will explore the methods and tools used in research in many linguistic	cs subfields,	such as the	oretical, co	orpus,
	experimental, and sociolinguistics. We will study examples of previous senior				
	identifying their research questions, contributions, and argument structure. St				
	choosing, compiling and synthesizing literature and culminating in a research p			1	
	point for their senior thesis.				-
	Pre-requisite(s): Any TWO of the following, or instructor permission: LING101	(S001) Introdu	ction to Li	nguistics, 3	LING125
	(S025) Sociolinguistics, LING113 (S050) Syntax, LING114 (S040) Semantics, LING	115 (S045) Pho	netics and	Phonology	
	Lottery Preference: 1) Senior majors, 2) Junior Majors, 3) Minors, 4) Everyone	else			
	Enrollment Limit: 15.00				
	Attributes: B: Analysis of the Social World Social Science				
	1419 001 1.0 Amanda Payne	Т	1:30PM	3:55PM	0
ING	H399A Senior Thesis Seminar				
	This seminar exposes students to linguistic research methods and guides them the	hrough the con	ceptualizat	ion of a top	pic, the
	research, and the writing of a senior thesis. All linguistics majors must write				
	S100 or S195. Enrollment limited to 15 students, Senior linguistics majors only	у.			
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social Wor	ld Humanitie	S		
	1312 001 1.0 Amanda Payne	F	1:30PM	3:55PM	0
	1313 002 1.0 Noah Elkins	F	1:30PM	3:55PM	0
<b>ATH</b>	H105A Applied Modeling with Calculus				
	An introduction to aspects of calculus useful in applied work in the natural as	nd social scie	nces, with	a strong em	phasis on
	developing mathematical modeling skills. Topics include differential and integr				
	multivariable optimization, and modeling with differential equations. Applicat:				
	course is taught at the level of a beginning calculus course, and no prior calculus				
					have AP
	Prerequisite(s): Not open to students placing into MATH 118 or higher or Math 3	105 cannot be	taken by st	udenes who h	
	credit for calculus or with previous calculus credit, except with instructor co		taken by st	udenes who h	
	credit for calculus or with previous calculus credit, except with instructor content the second seco	onsent	taken by st		
	credit for calculus or with previous calculus credit, except with instructor contended to the second	onsent	_		
	credit for calculus or with previous calculus credit, except with instructor content the second seco	onsent	10:30AM	11:25AM	0
	credit for calculus or with previous calculus credit, except with instructor contended to the second	onsent	_		
MATH	credit for calculus or with previous calculus credit, except with instructor constraints in the second seco	onsent MWF	10:30AM	11:25AM	0
MATH	credit for calculus or with previous calculus credit, except with instructor constraints in the second seco	onsent MWF MWF	10:30AM 11:30AM	11:25AM 12:25PM	0 0
матн	credit for calculus or with previous calculus credit, except with instructor constrained to the formattion of the format	onsent MWF MWF ations. Method	10:30AM 11:30AM s of analys	11:25AM 12:25PM is come from	0 0
матн	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equal </pre>	onsent MWF MWF ations. Method	10:30AM 11:30AM s of analys	11:25AM 12:25PM is come from	0 0 m
MATH	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical</pre>	M W F M W F ations. Method 1, and symboli	10:30AM 11:30AM s of analys c perspecti	11:25AM 12:25PM is come fron ves. Not ope	0 0 m en to
матн	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission.</pre>	M W F M W F ations. Method 1, and symboli	10:30AM 11:30AM s of analys c perspecti	11:25AM 12:25PM is come fron ves. Not ope	0 0 m en to
MATH	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Ministruction for Mi</pre>	M W F M W F ations. Method 1, and symboli	10:30AM 11:30AM s of analys c perspecti	11:25AM 12:25PM is come fron ves. Not ope	0 0 m en to
матн	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc	10:30AM 11:30AM s of analys c perspecti	11:25AM 12:25PM is come fron ves. Not ope	0 0 m en to
MATH	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc	10:30AM 11:30AM s of analys c perspecti	11:25AM 12:25PM is come fron ves. Not ope	0 0 m en to
MATH	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24 Attributes: C: Physical and Natural Processes Natural Science Quantitative</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc	10:30AM 11:30AM s of analys c perspecti ulus II) or	11:25AM 12:25PM is come fron ves. Not op equivalent	0 0 m en to , except
МАТН	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1336 001 1.0 Joshua Sabloff 1337 002 1.0 Joshua Sabloff</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc M W M W	10:30AM 11:30AM s of analys c perspecti ulus II) or 10:00AM 2:30PM	11:25AM 12:25PM is come fron ves. Not op equivalent 11:25AM 3:55PM	0 0 men to , except 0 0
MATH	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1336 001 1.0 Joshua Sabloff 1337 002 1.0 Joshua Sabloff 1352 003 1.0 TBA Department staff</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc M W M W M W	10:30AM 11:30AM s of analys c perspecti ulus II) or 10:00AM 2:30PM 11:30AM	11:25AM 12:25PM is come from ves. Not opport equivalent 11:25AM 3:55PM 12:55PM	0 0 men to , except 0 0 0
	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1336 001 1.0 Joshua Sabloff 1337 002 1.0 Joshua Sabloff 1352 003 1.0 TBA Department staff 1356 004 1.0 TBA Department staff</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc M W M W	10:30AM 11:30AM s of analys c perspecti ulus II) or 10:00AM 2:30PM	11:25AM 12:25PM is come fron ves. Not op equivalent 11:25AM 3:55PM	0 0 men to , except 0 0
	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1336 001 1.0 Joshua Sabloff 1337 002 1.0 Joshua Sabloff 1352 003 1.0 TBA Department staff 1356 004 1.0 TBA Department staff 1356 004 1.0 TBA Department staff 1356 004 1.0 TBA Department staff</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc M W M W M W M W M W	10:30AM 11:30AM s of analys c perspecti ulus II) or 10:00AM 2:30PM 11:30AM 1:00PM	11:25AM 12:25PM is come from ves. Not opport equivalent 11:25AM 3:55PM 12:55PM 2:25PM	0 0 men to , except 0 0 0 0
	<pre>credit for calculus or with previous calculus credit, except with instructor ca Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1336 001 1.0 Joshua Sabloff 1337 002 1.0 Joshua Sabloff 1352 003 1.0 TBA Department staff 1356 004 1.0 TBA Department staff H121A Multivariable Calculus An introduction to functions of several variables, vector geometry, partial designed and an an</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc M W M W M W M W M W	10:30AM 11:30AM s of analys c perspecti ulus II) or 10:00AM 2:30PM 11:30AM 1:00PM	11:25AM 12:25PM is come from ves. Not opport equivalent 11:25AM 3:55PM 12:55PM 2:25PM	0 0 men to , except 0 0 0 0
MATH	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1336 001 1.0 Joshua Sabloff 1337 002 1.0 Joshua Sabloff 1352 003 1.0 TBA Department staff 1356 004 1.0 TBA Department staff H121A Multivariable Calculus An introduction to functions of several variables, vector geometry, partial der multiple integrals, line integrals, and Green's and Stokes' Theorems.</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc M W M W M W M W M W	10:30AM 11:30AM s of analys c perspecti ulus II) or 10:00AM 2:30PM 11:30AM 1:00PM imization,	11:25AM 12:25PM is come from ves. Not ope equivalent 11:25AM 3:55PM 12:55PM 2:25PM 2:25PM	0 0 mento , except 0 0 0 0 0
	<pre>credit for calculus or with previous calculus credit, except with instructor co Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1355 001 1.0 TBA Department staff 1562 002 1.0 TBA Department staff H118A Calculus: Dynamics and Integration A study of the evolution of systems defined by difference and differential equa calculus: the limit, the derivative, and the integral from numerical, graphical students placing into Math 121 or higher, except with instructor permission. Prerequisite(s): MATH 105 or placement. Not open to students with credit for Mi with instructor consent Enrollment Limit: 24 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1336 001 1.0 Joshua Sabloff 1352 003 1.0 TBA Department staff 1356 004 1.0 TBA Department staff H121A Multivariable Calculus An introduction to functions of several variables, vector geometry, partial definition multiple integrals, line integrals, and Green's and Stokes' Theorems. Prerequisite(s): MATH 118 or equivalent placement, or instructor consent. Not</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc M W M W M W M W rivatives, opt open to stude	10:30AM 11:30AM s of analys c perspecti ulus II) or 10:00AM 2:30PM 11:30AM 1:00PM imization, nts who hav	11:25AM 12:25PM is come from ves. Not opp equivalent 11:25AM 3:55PM 12:55PM 2:25PM Taylor's The e previously	0 0 mento , except 0 0 0 0 0
	<pre>credit for calculus or with previous calculus credit, except with instructor calculuent Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative</pre>	M W F M W F ations. Method 1, and symboli ATH B102 (Calc M W M W M W M W rivatives, opt open to stude	10:30AM 11:30AM s of analys c perspecti ulus II) or 10:00AM 2:30PM 11:30AM 1:00PM imization, nts who hav	11:25AM 12:25PM is come from ves. Not opp equivalent 11:25AM 3:55PM 12:55PM 2:25PM Taylor's The e previously	0 0 mento , except 0 0 0 0 0
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Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
		1339	002	1.0	TBA Department staff	MWF	10:30AM	11:25AM		0
		1349	003	1.0	TBA Department staff	M W F	10:30AM	11:25AM		0
		1357	004	1.0	-	MWF	11:30AM	12:25PM		0
MATH	H203A	Stati	stical	Metho	ds and their Applications					
	An intr	oductio	n to s	tatist	ical methods used to analyze data in the natural and	social scienc	es. It cove	ers descrip	tive	
	statist	ics, th	e bino	mial a	nd normal distributions, expected value and variance,	confidence i	ntervals an	nd hypothes	is testing	1
	compari	son of	two sa	mples,	regression, and analysis of variance. A required com	nputer lab, us	ing R, is t	aught alon	gside this	
	course.									
					Statistics					
	1		,		or higher, placement into MATH 121 or higher, or inst					
			-		stics course at Haverford or Bryn Mawr may only enrol	ll in STAT 203	with instr	uctor cons	ent	
	Enrollm									
	Attribu		-		d Natural Processes Natural Science Quantitative					
		1342			Lynne M. Butler	M W	2:30PM	3:55PM		0
		1343	00A		Lynne M. Butler	F	2:30PM	3:55PM		0
MATH	H210A		r Optin							
				-	imization of a linear function subject to linear cons				2	
					blems, and network flows. The course includes some t					
					problems, and also a strong emphasis on algorithms, e					
					are especially relevant since many applications invol	lve many varia	bles and ma	ny constra	ints).	
					Computer Science, Economics					
	-			-	ite of Math 121 or 215, or equivalent placement, or i	Instructor con	isent			
	Enrollm									
	Attribu		-		d Natural Processes Data Science Natural Science	N/ 17	1 00 514	0.05 DV		0
		2647			Robert S. Manning	M W	1:00PM	2:25PM		U
MATH	H215A		r Algel		- linear clarker francisc an energy tracket marks				14	
					o linear algebra, focusing on proof techniques. Topic			-	linear	
					es, determinants, eigenvalue problems, quadratic form			orem.		
	Enrollm				or equivalent placement, or 118 with instructor conse	ent, or CMSC 2	.51			
					d Natural Processes Natural Science Quantitative					
	ALLIDU	1330	-		Jeffrey Tecosky-	M W F	10:30AM	11:25AM		0
		1330	001	1.0	Feldman	M W E	IU:JUAM	II:ZJAM		0
		1331	000	1 0		METE	10.200M	1 . 0 E DM		0
		1331	002	1.0	Jeffrey Tecosky- Feldman	M W F	12:30PM	1:25PM		0
					reraman					
MATH	H218A		bility		lity theory Monice include, comple appears combinets	wiga ganditi	anal mwahah	ilitu ind	anandanaa	
					lity theory. Topics include: sample spaces, combinate ndom variables, functions of random variables, expect					
					imit theorems.	leu varue anu	variance, t		generating	
					or 121 or consent					
	Enrollm									
					d Natural Processes Natural Science Quantitative					
	11001100				Lynne M. Butler	M W F	10:30AM	11:25AM		0
MATH	H295A				tics: Computational Number Theory	LT AA L	10.00111			~
MAIN		-			theory with a heavy focus on computation and algorith	ma Wo				
					integers and their relationships through primarily of					
			-		will emphasize both theoretical understanding and pi	-				
	cecinitq	ues. Ill	LOUYIIO	ul, we	will emphabize both cheorectical underscanding and pr	uccical				

bject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrlo
	application. Topics will include primality testing, arithmetic functions, complexi investigating conjectures. We will be using Python in this course, but prior progr Prerequisite: MATH 121 or permission from instructor Lottery Preference: Math majors, then math/stat minors		-			
	Enrollment Limit: 25.00 Attributes: C: Physical and Natural Processes Natural Science 2667 001 1.0 Anthony Kling	M W	1:00PM	2:25PM		0
Ч	H299A Junior Seminar in Mathematics and Statistics A course to introduce all math majors to research and communication methods used by discuss the structures and workings of mathematical communities, including the eth skills to a workplace or community. Students produce a "junior paper" anchored in prepare them to write a thesis as a senior, and plan a colloquium or panel discuss community. Pre-requisite(s): Linear Algebra (MATH H215) or instructor consent	hical implion n an applico	cations of ation of li	bringing ma near algebr	athematica ra, helpin	1
	Lottery Preference: Math Majors, by seniority within that group Enrollment Limit: 25.00 Attributes: C: Physical and Natural Processes Natural Science 1573 001 1.0 Tarik Aougab	F	1:30PM	3:55PM		0
ТН	H317A Analysis I A rigorous development of topics in calculus, including the axioms of the real num sequences, point-set topology (open/closed sets, compactness, connectedness), cont integral. The course also has a major focus on the writing of clear and correct ma	tinuity, di	fferentiabi	-		n
	Prerequisite (s): MATH 215 and either 121 or 216, or instructor consent Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative					
	Prerequisite(s): MATH 215 and either 121 or 216, or instructor consent Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1340 001 1.0 David Lippel	M W F	11:30AM	12:25PM		0
	<pre>Prerequisite(s): MATH 215 and either 121 or 216, or instructor consent Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1340 001 1.0 David Lippel H333A Algebra I A rigorous treatment of fundamental algebraic structures. Topics include: introduce 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 2641 001 1.0 Tarik Aougab</pre>	M W F			cic,	0
ATH	<pre>Prerequisite(s): MATH 215 and either 121 or 216, or instructor consent Enrollment Limit: 25 Attributes: C: Physical and Natural Processes Natural Science Quantitative 1340 001 1.0 David Lippel H333A Algebra I A rigorous treatment of fundamental algebraic structures. Topics include: introduce 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</pre>	M W F ction to gr M W structures case and av	oups, modul 2:30PM from a prec	ar arithmet 3:55PM	atical	0

bject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Days	Start	End	Room	Enrld
		e regres			riate statistical anal and analysis of varia	-			-		-	
					Statistics and one of the followi	ng: ECON 204, M	ATH 203, PSYC	200, SOCL 215				
	Enrollme	ent Limi	lt: 15			5	·					
	-				n majors with statisti d Natural Processes			-	eniority			
		2650	001	1.0	Weiwen Miao		-	M W	2:30PM	3:55PM		0
		2651	00A		Weiwen Miao			F	2:30PM	3:55PM		0
АТН	H383A				. <b>al Equations</b> tion to partial differ	contial equation	a involuing a	mix of $(1)$ on	alvaia (the	ugo of war	ioua toola	
	develop mathemat Pre-requ Lottery	ment of tics to uisite(s Prefere	numerio real pi s): MATH ence: Ma	cal te roblem H H204 ath ma	nce and uniqueness of echniques to find appr ns). The balance of t 4 or equivalent, or in ajors, then math minor	oximate solutio hese features w structor permis	ns on the comp ill vary from sion	uter), and (3)	modeling (†			
	Enrollme Attribu:				d Natural Processes	Natural Science						
			-									0
MATH	reals. 1 approxim function equation	ction to Foundati mation, nals and n. Prere	001 ed Topi analys ional to and cor d the ca	1.0 ics in sis in opics mpactn alculu	Robert S. Manning Analysis: Function S in spaces of functions include uniform conve- ness. We will then bui as of variations, oper	with a focus on ergence, power s ld on those fou	generalizing eries, Weierst ndations by st	ideas from the rass udying	11:30AM	12:55PM spaces and	l Laplace's	
	Introduc reals. 1 approxin function equation Enrollme Attribut	Advance ction to Foundati mation, nals and n. Prere ent Limi <i>tes: C:</i> 2646 Senior	001 eed Topic o analysional to and cord the ca equisite it: 15 Physica 001 c Semina	1.0 ics in sis in opics mpactr alculu e: MAT ral and 1.0 ar	Robert S. Manning Analysis: Function S in spaces of functions include uniform conve- ness. We will then bui as of variations, oper CH 317. d Natural Processes Joshua Sabloff	with a focus on orgence, power s ld on those fou ators and ordin Natural Science	generalizing eries, Weierst ndations by st ary differenti <i>Quantitativ</i>	ons ideas from the rass udying al equations, a e M W F	and Hilbert 11:30AM	spaces and 12:25PM	l Laplace's	
	Introduc reals. 1 approxin function equation Enrollme Attribut H399F Seminar	Advance ction to Foundati mation, nals and n. Prere ent Limi tes: C: 2646 Senior for stu tes: C:	001 eed Topic o analysional to and cord the ca equisite it: 15 Physica 001 e Semina udents to Physica	1.0 ics in sis ir opics mpactr alculu e: MAT al and 1.0 ar writir al and	Robert S. Manning Analysis: Function S h spaces of functions include uniform conve- bess. We will then bui as of variations, oper CH 317. d Natural Processes Joshua Sabloff hg senior papers, deal d Natural Processes	with a focus on ergence, power s ld on those fou ators and ordin <i>Natural Science</i> ing with the or	generalizing eries, Weierst ndations by st ary differenti <i>Quantitativ</i> al and written	ons ideas from the rass udying al equations, a e <u>MWF</u> exposition of	and Hilbert 11:30AM advanced ma	spaces and 12:25PM aterial.	l Laplace's	0
МАТН	Introduc reals. 1 approxin function equation Enrollme Attribut H399F Seminar Attribut	Advance ction to Foundati mation, nals and n. Prere ent Limi <i>tes: C:</i> 2646 Senior for stu <i>tes: C:</i> 1329	001 eed Topic o analysional to and cord the ca equisite it: 15 Physica 001 Semina idents to Physica 001	1.0 ics in sis ir opics mpactr alculu e: MAT al and 1.0 ar writir al and .5	Robert S. Manning Analysis: Function S h spaces of functions include uniform conve- ness. We will then bui as of variations, oper CH 317. d Natural Processes Joshua Sabloff	with a focus on ergence, power s ld on those fou ators and ordin <i>Natural Science</i> ing with the or	generalizing eries, Weierst ndations by st ary differenti <i>Quantitativ</i> al and written	ons ideas from the rass udying al equations, a e M W F	and Hilbert 11:30AM	spaces and 12:25PM	d Laplace's	5
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MATH	Introduc reals. I approxin function equation Enrollme Attribut H399F Seminar Attribut H400F Work on	Advance ction to Foundati mation, nals and n. Prere ent Limi tes: C: 2646 Senior for stu tes: C: 1329 Senior Senior tes: C:	001 ed Topic o analysic ional to and cord d the ca equisite it: 15 Physica 001 e Semina idents of Physica 001 e Resear Thesis Physica	1.0 ics in sis ir opics mpactr alculu e: MAT al and .5 rch with al and .5	Robert S. Manning Analysis: Function S. h spaces of functions include uniform conve- bess. We will then bui as of variations, oper CH 317. d Natural Processes Joshua Sabloff hg senior papers, deal d Natural Processes David Lippel Advisor. d Natural Processes	with a focus on ergence, power s ld on those fou ators and ordin <i>Natural Science</i> ing with the or	generalizing eries, Weierst ndations by st ary differenti <i>Quantitativ</i> al and written	ons ideas from the rass udying al equations, a e <u>MWF</u> exposition of F	and Hilbert 11:30AM advanced ma	spaces and 12:25PM aterial.	l Laplace's	0
<b>/</b> ATH	Introduc reals. I approxin function equation Enrollme Attribut H399F Seminar Attribut H400F Work on	Advance ction to Foundati mation, nals and n. Prere ent Limi tes: C: 2646 Senior for stu tes: C: 1329 Senior tes: C: 1328	001 ed Topi o analysi ional to and cor d the ca equisite it: 15 Physica 001 Semina idents o Physica 001 E Resear Thesis Physica 001	1.0 ics in sis ir opics mpactr alculu e: MAT al and .5 rch with al and .5	Robert S. Manning Analysis: Function S h spaces of functions include uniform conve- bess. We will then bui as of variations, oper CH 317. d Natural Processes Joshua Sabloff hg senior papers, deal d Natural Processes David Lippel Advisor. d Natural Processes Tarik Aougab	with a focus on argence, power s ld on those fou ators and ordin <i>Natural Science</i> ing with the or <i>Natural Science</i>	generalizing eries, Weierst ndations by st ary differenti <i>Quantitativ</i> al and written	ons ideas from the rass udying al equations, a e <u>MWF</u> exposition of F	and Hilbert 11:30AM advanced ma	spaces and 12:25PM aterial.	l Laplace's	0
MATH	Introduc reals. I approxin function equation Enrollme Attribut H399F Seminar Attribut H400F Work on	Advance ction to Foundati mation, nals and n. Prere ent Limi tes: C: 2646 Senior for stu tes: C: 1329 Senior tes: C: 1328 1332	001 ed Topi o analysi ional to and cord d the ca equisite it: 15 Physica 001 e Semina idents to Physica 001 e Resear Thesis Physica 001 002	1.0 ics in sis ir opics mpactr al and 1.0 ar writir al and .5 rch with al and .5 .5	Robert S. Manning Analysis: Function S in spaces of functions include uniform conve- bess. We will then buil as of variations, oper TH 317. d Natural Processes Joshua Sabloff ng senior papers, deal d Natural Processes David Lippel Advisor. d Natural Processes Tarik Aougab Robert S. Manning	with a focus on argence, power s ld on those fou ators and ordin <i>Natural Science</i> ing with the or <i>Natural Science</i>	generalizing eries, Weierst ndations by st ary differenti <i>Quantitativ</i> al and written	ons ideas from the rass udying al equations, a e <u>MWF</u> exposition of F	and Hilbert 11:30AM advanced ma	spaces and 12:25PM aterial.	l Laplace's	0 0 0 0
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Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	1346 001 .5					0
	1350 002 .5					0
IUSC	H102F Chorale					
	Chorale is a large mixed chorus that performs major works from the oratorio reper					
	Attendance at weekly two-hour rehearsals and dress rehearsals during performance		-	-		
	Students can start Chorale at the beginning of any semester. This course is grade	d universa	il P/F in wi	nich no nur	.nerical grace	e
	is assigned. Attributes: Humanities					
	1111 001 .5 Nathan Zullinger	W	7:00PM	9:15PM	(	0
MUSC	H140A Transatlantic Sounds	**	/.00111	7 • ± < ± - 1		0
MUSC	This course provides an overview of the world's musical traditions, with selected	A asee stuc	the from e:	ach of ten	rogions.	
	Oceania, South Asia, East Asia, Southeast Asia, the Middle East, North America, E				-	
	America. It introduces ways to think and write about the huge diversity of musica					i
	together with their performers, audiences, and cultural contexts.	I YOULOC	TOUR GTTTTT	She Parts .	JI 010,	/
	Enrollment Limit: 25.00					
	Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, Ibe	erian, and	Latinx Stu	dies		
	2679 001 1.0 Edwin Porras	, T Th	1:00PM	2:25PM	ć	0
MUSC	H203A Principles of Tonal Harmony I					
	An introduction to tonal music theory and compositional practice, drawing on dive					
	Explored are techniques of musical analysis, harmonization in four parts, and the					
	to larger units of structure. Composition of a set of variations, sonatina, or o	other homop'	honic piece	e is the f	inal project	•
	Lab period covers related aural and keyboard harmony skills.					
	Prerequisite(s): MUSC 110 or instructor consent					
	Attributes: A: Creative Expression Humanities	~ ~~				2
	1113 001 1.0 Mei-ling Lee	T Th	2:30PM	3:55PM		0
	2440 00A .0 Mei-ling Lee	F	1:30PM	2:25PM		0
MUSC	H208F Private Study: Instrumental			- 17		
	All students enrolled in the private study program should be participating in a d	-	-		-	У
	(Chorale, Orchestra, etc.) as advised by their program supervisor. Students recei		-			
	teachers for one-half credit, graded. All students in the private study program p	-	-			÷
	semester. Students assume the cost of their lessons, but may apply for private st	udy subsid	lles at the	beginning	of each	
	semester's study through the department. Attributes: A: Creative Expression Humanities					
	1114 001 .5 Heidi Carolyn Jacob					0
MUSC	H209F Private Study: Voice					
MUSC	All students enrolled in the private study program should be participating in a d	donartmenta	ally direct:	ad ensembl	o or activit	
	(Chorale, Orchestra, etc.) as advised by their program supervisor. Students recei	-	-		-	1
	teachers for one-half credit, graded. All students in the private study program p		-			- 0
	semester. Students assume the cost of their lessons, but may apply for private st					3
	semester's study through the department.	uay com	100 41	,	01 0401	
	Attributes: A: Creative Expression Humanities					
	1115 001 .5 Nathan Zullinger					0
MUSC	H210F Private Study: Keyboard					
	All students enrolled in the private study program should be participating in a d	lepartmenta	ally directe	ed ensembl	e or activit <sup>,</sup>	y
	(Chorale, Orchestra, etc.) as advised by their program supervisor. Students recei					
	teachers for one-half credit, graded. All students in the private study program p					.e
	semester. Students assume the cost of their lessons, but may apply for private st					
	semester's study through the department.					

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	1116 001 .5 Heidi Carolyn Jacob					0
MUSC	H214F Chamber Singers A 30-voice mixed choir that performs a wide range of mostly a cappella repertoire in original languages. The choir performs on and off campus, both public concerts audiences. Requires attendance at three 80-minute rehearsals weekly. Entrance by a semester each year. This course is graded universal P/F in which no numerical grad 1112 001 .5 Nathan Zullinger	and outre audition a	ach concerts t the begins	s to under	served	0
USC	H215F Chamber Music Intensive rehearsal of works for small instrumental groups, with supplemental assi is required. Students enrolled in Chamber Music have the opportunity to receive co Concert Artist Series and from resident ensembles. Performances take place at Have community venues. This course is available to those students who are concurrently privately immediately prior to the start of the semester. In addition, all student participate concurrently in the Orchestra, unless granted permission by the music course is graded universal P/F in which no numerical grade is assigned.	oaching fr erford and studying s playing	om visiting Bryn Mawr ( privately, o orchestral	artists o Colleges, or who hav instrumen	n the and other e studied ts must	0
IUSC	1109 001 .5 Heidi Carolyn Jacob H216F Orchestra					0
	The Haverford-Bryn Mawr Orchestra has over seventy members and performs a wide ran members are expected to attend one two-and-a-half hour rehearsal per week, and are professional musicians. There are three/four performances a year, including Parent Orchestra concert features the winner of the annual student concerto competition. graded universal P/F in which no numerical grade is assigned.	guided i s/Family Entrance	n sectional Weekend cond by audition	rehearsal certs. The only. Thi	s by spring	
IUSC	1110001.5Heidi Carolyn JacobH229AThinking about Music: Ideas, History, and Musicology	Th	7:30PM	9:30PM		0
	Core concepts and perspectives for the serious study of music. Students explore mu a variety of contexts through a set of six foundational themes and questions: Musi Music and Technology, The Global Soundscape, Music and the State, and Tonality, Se number of musical works, performances, or documents as a focal point. In each unit in an attempt to understand the methods, arguments, and perspectives through which meanings. This course is required of all music majors and minors in their sophomor Prerequisite(s): MUSC 110, 111, or 203 Attributes: A: Meaning, Interpretation (Texts) Humanities 1117 001 1.0 Richard Freedman	c and the ense, and we also scholars	Idea of Ger Reason. Each read current interpret r	nius, Who n unit use t musicolo	Owns Music?, s a small gical work its many	0
MUSC	H241A Music and Social Justice Music and Social Justice explores the relationship between ethnomusicology and soc concepts, tools, and methodologies of applied ethnomusicology, and discusses the r of issues, including advocacy, indigenous people, education, agencies, and conflic ritual forms of music around the world and their significance to the struggle for students from all disciplines; there are no pre-requisites and knowledge of music necessary. Attributes: A: Meaning, Interpretation (Texts) Humanities 2435 001 1.0 Edwin Porras	cole of th ct. It con social ju	e ethnomusio siders tradi stice. The o	cologist o itional, p course is	n a wide set opular, and open to	0
MUSC	H255 001 1.0 Edwin Porras H255 Encoding Music: Digital Approaches to Scores and Sound How do we represent music, in all its forms, from concept to practice? What sorts transmit, and preserve music? How have we collected and categorized music? And what era of ubiquitous data? In this course musicians and computer scientists will team digital revolution for music: data about music, and music as data. Pre-requisite(s): This course is open to students interested in music, computer science with either (but not both) would be good preparation for	of system at might t a up to ex cience or	s have humar hese activit plore two ke data science	ns devised ties look ey dimensi e. Some p	like in an ons of the revious	0

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	working knowledge of musical concepts (staff notation, guitar tablature, scales a familiarity with computer code (Python, XML) or data structures. Lottery Preference: Music Majors and Minors. BMC Data Science Minors. CS Majors Enrollment Limit: 25.00		r work with	MIDI) or	some	
	Attributes: A: Meaning, Interpretation (Texts) C: Physical and Natural Processe	es Data S	cience Hu	manities	Symbolic	
	Reasoning 1420 001 1.0 Richard Freedman	M W	2:30 PM	3:55PM		0
	1434 00A .0 Richard Freedman	Th	1:00PM	1:55PM		0
	2436 00B .0 Richard Freedman	Th	2:00PM	2:55PM		0
	2437 00C .0 Richard Freedman	Th	3:00PM	3:55PM		0
MUSC	H266A Composition					
	Preparation of a portfolio of compositions for various instruments and ensembles. creative, individual responses to a variety of musical ideas; experimentation wit setting. Performance of student works-in-progress and final reading/recording ses classes have had their compositions read by Network for New Music, percussionist Quartet.	h harmony, sion with	form, notat professional	tion, and t l musicians	ext- . Recent	
	Prerequisite(s): MUSC 204 and instructor consent					
	Attributes: A: Creative Expression Humanities 2438 001 1.0 Ingrid Arauco	T Th	10:00AM	11:25AM		0
	2441 00A .0 Ingrid Arauco	1 111	10.00AM	II.ZJAM		0
MUSC	H268A Sonic Narratives - Storytelling through Sound Synthesis					0
1992	<pre>synthesis techniques such as Additive, Subtractive, FM, Granular, and Wavetable S KYMA and Logic Pro. Beyond technical proficiency, students will explore how these fields, from cinematic soundtracks to social media engagement. Pre-requisite(s): MUS 134, or consent of the instructor. No standard notation kno understanding of sound and musical elements would be beneficial. Lottery Preference: Music major / Music minor Enrollment Limit: 12.00 Attributes: A: Creative Expression Humanities</pre>	synthesis	techniques	contribute	e to diverse	
MUSC	H303A Advanced Tonal Harmony Study of late 19th-century harmonic practice in selected works of Liszt, Wagner, Exploration of chromatic harmony through analysis and short compositions; final c song or piano piece such as nocturne or intermezzo. Musicianship lab covers relat Prerequisite(s): MUSC 204 Attributes: A: Creative Expression Humanities	omposition	project com	nsisting of	either art	2
	1118 001 1.0 Ingrid Arauco	T Th	8:30AM	9:55AM		0
	2442 00A .0 Ingrid Arauco					0
MUSC	<b>H480A</b> Independent Study Prerequisite(s): Approval of department and consent of instructor Attributes: Humanities					
	1119 001 1.0 Ingrid Arauco					0
	1120 002 1.0 Richard Freedman					0
	1121 003 1.0 Heidi Carolyn Jacob					0
	1122 004 1.0 Mei-ling Lee					0
	1184 005 1.0 Edwin Porras					0
Page 4	9 of 75			Last Upda	ated: 4/5/2024	4:36 PM

	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room Enrld
		2439	006	1.0	Nathan Zullinger				0
EUR	include memory,	cience is e evoluti cogniti	s an in ion and ive-beh	nterdi d deve havior	euroscience sciplinary field that seeks to understand lopment of the nervous system,neuroimaging al development, and sensation and percepti	and anatomy, neurophysion.	ological ba	asis of learr	ning and
	Enrollm	nent Limi	it: 35		rse is not open to students who have previ	ously taken HC Psych 217	, HC Psych	260, or BMC	Psych 218
					spaces reserved for first years.				
	Attribu				d Natural Processes Natural Science Emily Black	ΜW	10:00AM	11:25AM	0
		1276			TBA Department staff	M W T Th	10:00AM 11:30AM	12:55PM	0
	112053				-	1 111	TT:JUMM	IZ:JJFM	U
EUR	H305A This se				ubstance Use Disorders reviewed literature to explore how differ	ent experimental approac	hes are use	ed to model a	and
					rders on a behavioral and neurobiological				
					as opiates, stimulants, and alcohol, we w				
					use disorders.	-		-	
					mpletion of NEUR 100 or PSYC H217/ PSYC B2	18 is required. Completi	on or concu	urrent enroll	lment in
		00 is rec							
	-	•			ty to senior neuroscience majors, followed	by junior neuroscience	majors, fo.	llowed by psy	ychology
					oscience minors.				
		nent Limi			d Natural Processes Natural Science Ne	·····			
	ALLIIDU				Emily Black	M W	1:00PM	2:25PM	0
NEUR	H398A		esis Ne		-				
		sis Neuro							
		1604	001	1.0	Laura E. Been	F	1:30PM	3:55PM	0
		1605	002	1.0	Roshan Jain	F	1:30PM	3:55PM	0
		1606	003	1.0	Rebecca Compton	F	1:30PM	3:55PM	0
		1607	004	1.0	Robert Fairman	F	1:30PM	3:55PM	0
		1608	005	1.0	Emily Black	F	1:30PM	3:55PM	0
NEUR	H480A	Indepe	endent	Study					
NEUR	H480A	<b>Indepe</b> 1734	endent 001	<b>Study</b>					0
_	H480A H480F	- 1734		1.0					0
-		- 1734	001	1.0					0
-		1734 Indepe	001 endent	1.0 Study					
_		1734 Indepe 1750	001 <b>endent</b> 001	1.0 Study .5					0
-		1734 Indepe 1750 1771	001 endent 001 002	1.0 Study .5 .5					0 0
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NEUR		1734 <b>Indepe</b> 1750 1771 1791 1796 1802	001 endent 001 002 003 004 005	1.0 <b>Study</b> .5 .5 .5 .5 .5					0 0 0 0
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oject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days				Enrld						
2	H201A Applied Ethics of Peace, Justice and Human Rights											
-	This course surveys major legal and ethical theories with a view to helping studer	nts unders	cand argumer	nts about pe	ace,							
	justice and human rights and formulate their own creative approaches to ethical pr											
	concrete problems of justice. No prerequisites.	0.0 2 0 1 0 1	1001100	- 20 app110a								
	Enrollment Limit: 25											
	Lottery Preference: PJHR concentrators, then first-year students and sophomores											
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World	Health S	tudies Hur	manities P	Peace.							
	Justice and Human Rights	nearen o	Judico nun	anii ci co	cucc,							
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AC	H218D Work and Justice: Personal Growth, Structural Analysis, and Change		0.00111	J.00111								
10	This course provides students with focused opportunities to identify and develop t	boir appl	iod skills	It opgagos	toxt							
	experience, and reflective processes to develop the methods, skills, and habits for											
	applied experiences for continuous growth, improvement and informed ethical action											
	understanding of themselves and their vocation, while also developing capacities t				lett							
		.0 Deller (	John Thomas I	JO DIGAGEI								
	organizations, communities, businesses, and movements. Pre-requisite(s): Students must participate in a summer internship through the Col	1000										
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	H220A Caste and Power This course explores the existence and effects of caste as a manifestation of power through several vectors such as											
		er through	several vec	ctors such a	S							
	religion, gender, class, etc.	er through	several vec	ctors such a	IS							
	religion, gender, class, etc. Enrollment Limit: 25.00	2										
	religion, gender, class, etc.	2		ctors such a Human Right								
	religion, gender, class, etc. Enrollment Limit: 25.00	2				0						
	religion, gender, class, etc. Enrollment Limit: 25.00 Attributes: Asian American Studies B: Analysis of the Social World Humanities	Peace, S	Justice and	Human Right		0						
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	<pre>religion, gender, class, etc. Enrollment Limit: 25.00 Attributes: Asian American Studies B: Analysis of the Social World Humanities 2677 001 1.0 Prea Persaud Khanna H298A Impact Investing Impact investing is investing to generate both a financial return and a positive s to address social, environmental and /or governance problems (ESG) in a sustainabl focus of this course is to not only gain an understanding of the theory and practi components, but also to gain practical experience by assessing a particular set of formal presentations of findings to an investment committee leading to a recommend foundation. Crosslisted: Economics, Independent College Programs, PJHR Prerequisite(s): ECON 104 or 105 or 106 Enrollment Limit: 16 Attributes: B: Analysis of the Social World Peace, Justice and Human Rights Soc World Peace, Justice and Human Rights Social Science 1546 001 1.0 Shannon B. Mudd 1546 001 1.0 Shannon B. Mudd H32A Inevitability, &amp; other myths of technology This discussion seminar explores technologies from a cultural, sociological, and a literature from an interdisciplinary set of fields including science and technolog infrastructure studies, we will explore how relationships and understandings of technolog</pre>	Peace, o T Th social bene e way ofte ce of impa potential dation for potential dation for F M W always crit gy studies, echnology a	Justice and 10:00AM efit. It sup en within ma act investir l impact inv investment nce B: Ana 1:00PM 1:00PM tical perspe , media, cul are built th	Human Right 11:25AM opports firms arket activing across it vestments, m to a partne alysis of th 1:55PM 2:25PM ective. Draw ltural, and aroughout so	s seeking ty. The s many taking rring e Social	0						
EAC	<pre>religion, gender, class, etc. Enrollment Limit: 25.00 Attributes: Asian American Studies B: Analysis of the Social World Humanities 2677 001 1.0 Prea Persaud Khanna H298A Impact Investing Impact investing is investing to generate both a financial return and a positive s to address social, environmental and /or governance problems (ESG) in a sustainabl focus of this course is to not only gain an understanding of the theory and practi components, but also to gain practical experience by assessing a particular set of formal presentations of findings to an investment committee leading to a recomment foundation. Crosslisted: Economics, Independent College Programs, PJHR Prerequisite(s): ECON 104 or 105 or 106 Enrollment Limit: 16 Attributes: B: Analysis of the Social World Peace, Justice and Human Rights Soc World Peace, Justice and Human Rights Social Science 1546 001 1.0 Shannon B. Mudd 1546 001 1.0 Shannon B. Mudd H332A Inevitability, &amp; other myths of technology This discussion seminar explores technologies from a cultural, sociological, and a literature from an interdisciplinary set of fields including science and technolog infrastructure studies, we will explore how relationships and understandings of te Through this social constructivist view, students will be exposed to the politics awareness of how these politics have and can be challenged. Enrollment Limit: 15.00</pre>	Peace, o T Th social bene e way ofte ce of impa potential dation for potential dation for F M W always crit gy studies, echnology a	Justice and 10:00AM efit. It sup en within ma act investir l impact inv investment nce B: Ana 1:00PM 1:00PM tical perspe , media, cul are built th	Human Right 11:25AM opports firms arket activing across it vestments, m to a partne alysis of th 1:55PM 2:25PM ective. Draw ltural, and aroughout so	s seeking ty. The s many taking rring e Social	0						
AC	<pre>religion, gender, class, etc. Enrollment Limit: 25.00 Attributes: Asian American Studies B: Analysis of the Social World Humanities 2677 001 1.0 Prea Persaud Khanna H298A Impact Investing Impact investing is investing to generate both a financial return and a positive s to address social, environmental and /or governance problems (ESG) in a sustainabl focus of this course is to not only gain an understanding of the theory and practi components, but also to gain practical experience by assessing a particular set of formal presentations of findings to an investment committee leading to a recomment foundation. Crosslisted: Economics, Independent College Programs, PJHR Prerequisite(s): ECON 104 or 105 or 106 Enrollment Limit: 16 Attributes: B: Analysis of the Social World Peace, Justice and Human Rights Soc World Peace, Justice and Human Rights Social Science 1546 001 1.0 Shannon B. Mudd 1546 inclusion seminar explores technologies from a cultural, sociological, and a literature from an interdisciplinary set of fields including science and technolog infrastructure studies, we will explore how relationships and understandings of to Through this social constructivist view, students will be exposed to the politics awareness of how these politics have and can be challenged.</pre>	Peace, a T Th social bene e way ofte ce of impa potential dation for potential dation for F M W always crit gy studies, echnology a of technol	Justice and 10:00AM efit. It sup en within ma act investir l impact inv investment nce B: Ana 1:00PM 1:00PM tical perspe , media, cul are built th	Human Right 11:25AM opports firms arket activing across it vestments, m to a partne alysis of th 1:55PM 2:25PM ective. Draw ltural, and aroughout so	s seeking ty. The s many taking rring e Social	0						
BAC	<pre>religion, gender, class, etc. Enrollment Limit: 25.00 Attributes: Asian American Studies B: Analysis of the Social World Humanities 2677 001 1.0 Prea Persaud Khanna H298A Impact Investing Impact investing is investing to generate both a financial return and a positive s to address social, environmental and /or governance problems (ESG) in a sustainabl focus of this course is to not only gain an understanding of the theory and practi components, but also to gain practical experience by assessing a particular set of formal presentations of findings to an investment committee leading to a recomment foundation. Crosslisted: Economics, Independent College Programs, PJHR Prerequisite(s): ECON 104 or 105 or 106 Enrollment Limit: 16 Attributes: B: Analysis of the Social World Peace, Justice and Human Rights Soc World Peace, Justice and Human Rights Social Science 1546 001 1.0 Shannon B. Mudd 1546 001 1.0 Shannon B. Mudd 1546 001 1.0 Shannon B. Mudd H332A Inevitability, &amp; other myths of technology This discussion seminar explores technologies from a cultural, sociological, and a literature from an interdisciplinary set of fields including science and technolog infrastructure studies, we will explore how relationships and understandings of te Through this social constructivist view, students will be exposed to the politics awareness of how these politics have and can be challenged. Enrollment Limit: 15.00</pre>	Peace, a T Th social bene e way ofte ce of impa potential dation for potential dation for F M W always crit gy studies, echnology a of technol	Justice and 10:00AM efit. It sup en within ma act investir l impact inv investment nce B: Ana 1:00PM 1:00PM tical perspe , media, cul are built th	Human Right 11:25AM opports firms arket activing across it vestments, m to a partne alysis of th 1:55PM 2:25PM ective. Draw ltural, and aroughout so	seeking ty. The s many aking rring e Social	0						

	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	A study of the relations between political possibility and visions of ultimate re- range of visions for order and change both within and beyond the West, past and p conceptions of "the end of the world" in relation to the ongoing ecological criss consequences. Enrollment Limit: 15.00	present. Sp is and its p	pecial atte political c	ntion is gi		L
	Attributes: A: Meaning, Interpretation (Texts) Humanities Peace, Justice and 2680 001 1.0 Joshua Ramey	Human Right M W	t <i>s</i> 1:00pm	2:25PM		0
PEAC	<ul> <li>H395A Capstone in Peace, Justice and Human Rights</li> <li>This capstone course consolidates student experience of a program that integrates research, and policy perspectives. It incorporates research assignments, collabor dossier on student work in the concentration. For PJHR senior concentrators. Enrollment Limit: 12</li> <li>Lottery Preference: PJHR concentrators only Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World</li> </ul>	ration, a co	onference p	resentatior	n and a	
	Rights 1360 001 1.0 Prea Persaud Khanna	М	7:30PM	9:55PM		0
PHIL	H104A Global Wisdom	1.1	1.30111	7.00111		0
	cultivate a global perspective in philosophy and brings classical texts from diverse dialogue. One aim is to help students to appreciate global patterns in rationalite understanding of common ground and significant differences in diverse wisdom trace Dhamapada, Plato's Phaedo, and Descartes's Meditations. This course does not cour Enrollment Limit: 25 (5 seats reserved for freshmen) Attributes: A: Meaning, Interpretation (Texts) Humanities	ty across tr ditions. Rea	aditions and a state of the sta	nd to gain ude Bhagava	a critical	
	2509 001 1.0 Ashok K Gangadean	T Th	2:30PM	3:55PM		0
PHIL	2509 001 1.0 Ashok K Gangadean H107A Happiness, Virtue, and the Good Life Happiness is something that we all want, but what exactly is it? Perhaps happines life. What, then, is a flourishing life? Does such a life involve the possession character? Which ones? This course will consider these and related issues, include the nature and identity of persons, and the meaning (or meaninglessness) of life. sources, including Plato, Aristotle, Locke, Hume, Nagel, and Wolf. Enrollment Limit: 45 Attributes: A: Meaning, Interpretation (Texts) Humanities 1269 001 1.0 Joel Yurdin	ss is or inv and exercis ding the vir	volves lead se of certa ctues and t	ing a floum in states of heir intern	of relations,	0
PHIL	H107A Happiness, Virtue, and the Good Life Happiness is something that we all want, but what exactly is it? Perhaps happiness life. What, then, is a flourishing life? Does such a life involve the possession character? Which ones? This course will consider these and related issues, includ the nature and identity of persons, and the meaning (or meaninglessness) of life. sources, including Plato, Aristotle, Locke, Hume, Nagel, and Wolf. Enrollment Limit: 45 Attributes: A: Meaning, Interpretation (Texts) Humanities 1269 001 1.0 Joel Yurdin H111A The Wicked and the Worthy The possibility of "doing good" in the world presumes that one can distinguish be consequences. But on what basis are we to make such distinctions? What grounds, if bad? This course examines such concerns through a survey of the history of ethica principles" we will consider as well questions of intentionality, power, and hist from Mill's Utilitarianism, Kant's Groundwork of the Metaphysics of Morals, and M Attributes: A: Meaning, Interpretation (Texts) Humanities	ss is or inv and exercis ding the vir . Readings f T Th etween good if anything, al philosoph torical valu	and bad act our defin. Beyond Good	ing a flour in states of heir intern c and conte 11:25AM tions, peop itions of of ssing ethic s include s d and Evil.	of relations, emporary ple, and good and cal ``first selections	0
	H107A Happiness, Virtue, and the Good Life Happiness is something that we all want, but what exactly is it? Perhaps happiness life. What, then, is a flourishing life? Does such a life involve the possession character? Which ones? This course will consider these and related issues, includ the nature and identity of persons, and the meaning (or meaninglessness) of life. sources, including Plato, Aristotle, Locke, Hume, Nagel, and Wolf. Enrollment Limit: 45 Attributes: A: Meaning, Interpretation (Texts) Humanities 1269 001 1.0 Joel Yurdin H111A The Wicked and the Worthy The possibility of "doing good" in the world presumes that one can distinguish be consequences. But on what basis are we to make such distinctions? What grounds, is bad? This course examines such concerns through a survey of the history of ethical principles" we will consider as well questions of intentionality, power, and hist from Mill's Utilitarianism, Kant's Groundwork of the Metaphysics of Morals, and M	ss is or inv and exercis ding the vir . Readings f <u>T Th</u> etween good if anything, al philosoph torical valu Nietzsche's <u>M W</u>	and bad actors and the second	ing a flour in states of heir intern c and conter 11:25AM tions, peop itions of of ssing ethic s include s d and Evil. 2:25PM	of relations, emporary ple, and good and cal "first selections	

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	An introduction to classical Indian Buddhist thought in a global and comp meditative reading of the classical text-The Dhamapada-and proceeds to an Nagarjuna, the great dialectician who founded the Madhyamika School.	n in depth critical	exploratior	n of the tea	achings of	
	Prerequisite(s): At least one course in Philosophy or Religion or instruction the major or minor.	ctor permission. Thi	.s course do	es not cour	nt toward	
	Enrollment Limit: 40 Attributes: A: Meaning, Interpretation (Texts) Humanities 2512 001 1.0 Ashok K Gangadean	T Th	8:30AM	9:55AM		0
HIL	H260A Historical Introduction to Logic		0.00111	3.00121		0
	Our aim is two-fold: first, to understand - in the sense of having a work and modern quantificational logic (translating sentences into logical not constructing proofs, and so on); and second, to understand logic, why it and as thinkers more generally), and how it "works" in the broadest sense Attributes: A: Meaning, Interpretation (Texts) Humanities Symbolic Re	tation, assessing the matters, what it case.	ne validity	of argument	ts,	
	2513 001 1.0 Paul Tran-Hoang	M W	1:00PM	2:25PM		0
HIL	H301A Topics in Philosophy of Literature: Derrida					
	Attributes: A: Meaning, Interpretation (Texts) Humanities					
	2514 001 1.0 Jerry Miller	M W	2:30PM	3:55PM		0
	Focusing on the ethical dimensions of the concept, we will determine the	conceptual difficul	ties philos.	sophy bring:	s to bear	
HIL	on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp	er and Sexuality Stu T Th posium, including th	udies Huma 2:30PM hree to four	3:55PM r meetings d		0
PHIL	<pre>on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation.</pre>	er and Sexuality Stu T Th posium, including th sitors series, (c) t	udies Huma 2:30PM hree to four the writing	3:55PM r meetings of a senior		0
HIL	on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gender 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation. Attributes: Humanities	er and Sexuality Stu T Th posium, including th sitors series, (c) t n the seminar, as we	adies Huma 2:30PM hree to four the writing all as a fir	3:55PM r meetings o of a senior nal formal		
	<pre>on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation.</pre>	er and Sexuality Stu T Th posium, including th sitors series, (c) t	udies Huma 2:30PM hree to four the writing	3:55PM r meetings of a senior		0
	on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation. Attributes: Humanities 1270 001 1.0 Joel Yurdin	er and Sexuality Stu T Th posium, including th sitors series, (c) t n the seminar, as we	adies Huma 2:30PM hree to four the writing all as a fir	3:55PM r meetings o of a senior nal formal		
PHIL	<pre>on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation. Attributes: Humanities 1270 001 1.0 Joel Yurdin H407A Discussion Leaders 1572 001 .5 H101A Classical and Modern Physics I Three class hours and one laboratory period. The first of a two-semester emphasis on life science applications involving Newtonian mechanics, osci </pre>	er and Sexuality Stu T Th posium, including th sitors series, (c) t n the seminar, as we F comprehensive intro	adies Huma 2:30PM nree to four the writing ell as a fir 1:30PM	3:55PM r meetings of of a senior nal formal 3:55PM physics, w:	r thesis, ith an	0
PHIL	<pre>on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation. Attributes: Humanities 1270 001 1.0 Joel Yurdin H407A Discussion Leaders 1572 001 .5 H101A Classical and Modern Physics I Three class hours and one laboratory period. The first of a two-semester emphasis on life science applications involving Newtonian mechanics, osci thermal physics. Prerequisite(s): Calculus at the level of MATH H105 or equivalent should Enrollment Limit: 72</pre>	er and Sexuality Stu T Th posium, including th sitors series, (c) t n the seminar, as we F comprehensive intro illations, mechanics be taken prior to c	adies Huma 2:30PM nree to four the writing ell as a fir 1:30PM oduction to s of materia	3:55PM r meetings of of a senior nal formal 3:55PM physics, wa	r thesis, ith an , and	0
PHIL	<pre>on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation. Attributes: Humanities 1270 001 1.0 Joel Yurdin H407A Discussion Leaders 1572 001 .5 H101A Classical and Modern Physics I Three class hours and one laboratory period. The first of a two-semester emphasis on life science applications involving Newtonian mechanics, osci thermal physics. Prerequisite(s): Calculus at the level of MATH H105 or equivalent should Enrollment Limit: 72 Attributes: C: Physical and Natural Processes Natural Science Quantit </pre>	er and Sexuality Stu T Th posium, including th sitors series, (c) t n the seminar, as we F comprehensive intro illations, mechanics be taken prior to c tative	adies Huma 2:30PM hree to four the writing all as a fir 1:30PM oduction to s of materia	3:55PM r meetings of of a senior hal formal 3:55PM physics, wi als, fluids, ntly with th	r thesis, ith an , and	0
PHIL	<pre>on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation. Attributes: Humanities 1270 001 1.0 Joel Yurdin H407A Discussion Leaders 1572 001 .5 H101A Classical and Modern Physics I Three class hours and one laboratory period. The first of a two-semester emphasis on life science applications involving Newtonian mechanics, osci thermal physics. Prerequisite(s): Calculus at the level of MATH H105 or equivalent should Enrollment Limit: 72 Attributes: C: Physical and Natural Processes Natural Science Quantit 1195 001 1.0 Vijay Singh</pre>	er and Sexuality Stu T Th posium, including th sitors series, (c) t n the seminar, as we F comprehensive intro illations, mechanics be taken prior to c tative M W F	adies Huma 2:30PM hree to four the writing all as a fir 1:30PM oduction to s of materia pr concurrer 9:30AM	3:55PM r meetings of of a senior hal formal 3:55PM physics, we als, fluids, htly with th 10:25AM	r thesis, ith an , and	0
PHIL PHIL PHYS	<pre>on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation. Attributes: Humanities 1270 001 1.0 Joel Yurdin H407A Discussion Leaders 1572 001 .5 H101A Classical and Modern Physics I Three class hours and one laboratory period. The first of a two-semester emphasis on life science applications involving Newtonian mechanics, osci thermal physics. Prerequisite(s): Calculus at the level of MATH H105 or equivalent should Enrollment Limit: 72 Attributes: C: Physical and Natural Processes Natural Science Quantit 1195 001 1.0 Vijay Singh 1199 00A .0 Paul Thorman</pre>	er and Sexuality Stu T Th posium, including th sitors series, (c) to n the seminar, as we F comprehensive intro illations, mechanics be taken prior to co tative M W F M	adies Huma 2:30PM hree to four the writing all as a fir 1:30PM oduction to s of materia pr concurrer 9:30AM 1:30PM	3:55PM r meetings of of a senior hal formal 3:55PM physics, we als, fluids, htly with th 10:25AM 3:55PM	r thesis, ith an , and	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PHIL	<pre>on intersectionality. Prerequisite(s): 200 level Philosophy course or Instructor's Approval Attributes: A: Meaning, Interpretation (Texts) Africana Studies Gende 2515 001 1.0 Qrescent Mali Mason H399A Senior Seminar This course has several components: (a) participation in the Altherr Symp preparation for the symposium, (b) participation in the Distinguished Vis and (d) presentation of one's work for critical discussion with others in presentation. Attributes: Humanities 1270 001 1.0 Joel Yurdin H407A Discussion Leaders 1572 001 .5 H101A Classical and Modern Physics I Three class hours and one laboratory period. The first of a two-semester emphasis on life science applications involving Newtonian mechanics, osci thermal physics. Prerequisite(s): Calculus at the level of MATH H105 or equivalent should Enrollment Limit: 72 Attributes: C: Physical and Natural Processes Natural Science Quantit 1195 001 1.0 Vijay Singh</pre>	er and Sexuality Stu T Th posium, including th sitors series, (c) t n the seminar, as we F comprehensive intro illations, mechanics be taken prior to c tative M W F	adies Huma 2:30PM hree to four the writing all as a fir 1:30PM oduction to s of materia pr concurrer 9:30AM	3:55PM r meetings of of a senior hal formal 3:55PM physics, we als, fluids, htly with th 10:25AM	r thesis, ith an , and	0

ubject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)		Days	Start	End	Room	Enrld
	Three c	lass ho	urs and	d one	laboratory period. Newtonian	mechanics and thermod	ynamics. Applica	tions are d	lrawn prima	rily from	
					s sequence (105/106) is meant.						
	physica				-	-					
	Prerequ	isite(s	): MATH	H 118	or equivalent (MATH 118 may b	e taken concurrently)					
	Enrollm	ent Lim	it: 72			_					
	Attribu	tes: C:	Physia	cal an	nd Natural Processes Natural	Science Quantitati	ve				
		1196	001	1.0	Andrea N. Lommen		M W	10:00AM	11:25AM		0
		1202	00A	.0	Paul Thorman		М	1:30PM	3:55PM		0
		1203	00B	.0	Paul Thorman		Т	1:30PM	3:55PM		0
		1204	00C	.0	Paul Thorman		F	1:30PM	3:55PM		0
YS	H106A	Funda	mental	Physi	cs II						
				-	optics, electronics and spec	ial relativity. Appli	cations are draw	n primarily	from the	physical	
					.05/106) is meant as a one -ye						
					s and one laboratory period.				1	1	
					and PHYS H105 or equivalent						
	Enrollm				-						
	Attribu	tes: C:	Physia	cal an	nd Natural Processes Natural	Science Quantitati	ve				
		1218	001	1.0	Steve Ndengue		M W F	11:30AM	12:25PM		0
		1380	00A	.0	Paul Thorman		М	1:30PM	3:55PM		0
		1381	00B	.0	Paul Thorman		Т	1:30PM	3:55PM		0
		1382	00C	.0	Paul Thorman		म	1:30PM	3:55PM		0
YS	H211F				ctronics, Waves and Optics		-	1.00111	0.00111		•
	<ol> <li>Phys</li> <li>Soph</li> <li>Phys</li> <li>Firs</li> <li>Attribu</li> </ol>	omores ics & a t-years	stronom	my min	or astronomy majors Nors 2: Physical and Natural Proces	ses Natural Science					
	11001100	1235	001		Paul Thorman	Ses natural serence	W	1:30PM	3:55PM		0
		1236	002		Paul Thorman		Th	1:30PM	3:55PM		0
YS	H213A		and Op		Faul Inolman		111	I.JUPM	J.JJEM		0
•	Vibrati such as superpo interfe for maj Prerequ Enrollm Lottery 1. Phys 2. Soph 3. Phys 4. Firs	ons and functi sition, rence, ors. isite(s ent Lim Prefer ics, as omores ics & a t-years	l waves ons of couple and dif ): PHYS dit: 30 rence(s) trophys	in me a com ed osc ffract S H106 ): sics o my min		lysis. Topics include aveling waves, Maxwel oratory half-course,	free and driven l's equations and is normally taken	oscillatic d electroma	ons, resona Agnetic way	nce, ves,	
	Attribu				C: Physical and Natural Proces Walter F. Smith	ses Natural Science	<i>Quantitative</i> M W F	11:30AM	12:25PM		0
are 5	4 of 75								Last Unda	ted: 4/5/2024	4.36 F

Subject	Cat Nbr ClNbr Sctn Crd	Instructor(s)		Days	Start	End	Room	Enrld
PHYS	H308A Mechanics of Dis	crete and Continuous Sys	tems					
			ervation laws, Lagrangian mecha	anics, motior	n in central	L potential	s, and core	
			anics, covering the assumptions				-,	
			low, and special topics like co				ng flows,	
	instabilities, flight, an			· · · · · , ·		· · · <b>,</b> · · · · ·	5 ,	
	Prerequisite(s): Either P		-					
	Enrollment Limit: 30							
	Lottery Preference(s):							
	1. Physics, astrophysics	& astronomy majors						
	2. Physics & astronomy mi							
	Attributes: C: Physical a		atural Science					
	2212 001 1.0	) Theodore A. Brzinski		T Th	10:00AM	11:25AM		0
PHYS	H326A Advanced Physics	Laboratory						
			periments, including experiment	ts on fundame	ental techni	laues such	as low-	
			er interfacing, as well as more					
			atomic spectroscopy, cosmic ray					
	technologies, and chaotic			<u> </u>	1			
	Prerequisite(s): PHYS H30		HYS H213 or PHYS B306					
	Enrollment Limit: 14	,						
	Lottery Preference(s):							
	1. Physics, astrophysics	& astronomy majors						
	2. Physics & astronomy mi							
			atural Science C: Physical ar	nd Natural Pi	rocesses l	Natural Sci	ence	
		) Walter F. Smith	2	М	1:30PM	3:55PM		0
	1206 001 1.0	Theodore A. Brzinski		F	1:30PM	3:55PM		0
PHYS	H399F Senior Seminar			_				-
11110		seniors in physics and	astrophysics meeting biweekly t	throughout th	e vear An	introducti	on to	
			s; graduate study in physics ar					
		thin the field and outsi			- Denitor par		rroquru,	
	astronomy majors, both wi				search proje	octs in the		
	astronomy majors, both wi attendance at lectures by	distinguished visitors;	and discussions of student and	d faculty res	search proje	ects in the		
	astronomy majors, both wi attendance at lectures by department. This course i	distinguished visitors; s graded universal P/F i	and discussions of student and n which no numerical grade is a	d faculty res	search proje	ects in the		
	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s	distinguished visitors; s graded universal P/F i	and discussions of student and n which no numerical grade is a	d faculty res	search proje	ects in the		
	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30	v distinguished visitors; s graded universal P/F i tanding in physics or as	and discussions of student and n which no numerical grade is a	d faculty res	search proje	ects in the		
	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scien	v distinguished visitors; s graded universal P/F i standing in physics or as ace	and discussions of student and n which no numerical grade is a	d faculty res assigned.				0
	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scien 1198 001 .5	v distinguished visitors; s graded universal P/F i standing in physics or as acce b Theodore A. Brzinski	and discussions of student and n which no numerical grade is a	d faculty res	search proje 11:30AM	ects in the 12:25PM		0
PHYS	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scien 1198 001 .5 H404A Research in Astr	v distinguished visitors; as graded universal P/F i standing in physics or as acce by Theodore A. Brzinski ophysics	and discussions of student and n which no numerical grade is a trophysics	d faculty res assigned. F	11:30AM	12:25PM		0
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	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scien 1198 001 .5 H404A Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Enrollment Limit: 12 Attributes: Natural Scien 1189 001 1.0 1190 002 1.0	<pre>v distinguished visitors; s graded universal P/F i standing in physics or as the of Theodore A. Brzinski ophysics uts who choose to complet stor consent the Andrea N. Lommen Karen L. Masters</pre>	and discussions of student and n which no numerical grade is a trophysics	d faculty res assigned. F	11:30AM	12:25PM		
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	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scient 1198 001 .5 H404A Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Enrollment Limit: 12 Attributes: Natural Scient 1189 001 1.0 1190 002 1.0 H404F Research in Astr Intended for those studen a faculty member.	<pre>v distinguished visitors; s graded universal P/F i standing in physics or as the media Theodore A. Brzinski ophysics tts who choose to complet stor consent the ce Andrea N. Lommen Karen L. Masters ophysics tts who choose to complet</pre>	and discussions of student and n which no numerical grade is a trophysics e an independent research proje	d faculty res assigned. F ect in astrop	11:30AM physics unde	12:25PM er the supe	rvision of	0
	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scient 1198 001 .5 H404A Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Enrollment Limit: 12 Attributes: Natural Scient 1189 001 1.0 1190 002 1.0 H404F Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct	<pre>v distinguished visitors; s graded universal P/F i standing in physics or as the physics or as the physics the physics th</pre>	and discussions of student and n which no numerical grade is a trophysics e an independent research proje	d faculty res assigned. F ect in astrop	11:30AM physics unde	12:25PM er the supe	rvision of	0
	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scien 1198 001 .5 H404A Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Attributes: Natural Scien 1189 001 1.0 1190 002 1.0 H404F Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Attributes: Natural Scien	<pre>v distinguished visitors; s graded universal P/F i standing in physics or as the compassion of the standing in physics or as the compassion of the compassion of the comp</pre>	and discussions of student and n which no numerical grade is a trophysics e an independent research proje	d faculty res assigned. F ect in astrop	11:30AM physics unde	12:25PM er the supe	rvision of	0 0
	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scien 1198 001 .5 H404A Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Attributes: Natural Scien 1189 001 1.0 1190 002 1.0 H404F Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Attributes: Natural Scien a faculty member. Prerequisite(s): Instruct Attributes: Natural Scien 1193 001 .5	<pre>v distinguished visitors; s graded universal P/F i tanding in physics or as the main of the odore A. Brzinski ophysics the who choose to complet the cor consent the cor consent the</pre>	and discussions of student and n which no numerical grade is a trophysics e an independent research proje	d faculty res assigned. F ect in astrop	11:30AM physics unde	12:25PM er the supe	rvision of	0 0 0
	astronomy majors, both wi attendance at lectures by department. This course i Prerequisite(s): Senior s Enrollment Limit: 30 Attributes: Natural Scien 1198 001 .5 H404A Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Attributes: Natural Scien 1189 001 1.0 1190 002 1.0 H404F Research in Astr Intended for those studen a faculty member. Prerequisite(s): Instruct Attributes: Natural Scien a faculty member. Prerequisite(s): Instruct Attributes: Natural Scien 1193 001 .5	<pre>v distinguished visitors; s graded universal P/F i standing in physics or as the compassion of the standing in physics or as the compassion of the compassion of the comp</pre>	and discussions of student and n which no numerical grade is a trophysics e an independent research proje	d faculty res assigned. F ect in astrop	11:30AM physics unde	12:25PM er the supe	rvision of	0 0

ıbject	Cat Nbr ClNbr Sctn Crd Instructor(s) Days Start End Room	Enrld
YS	H411A Research in Soft Matter Physics	
	Experimental research studying the rigidity and failure of jammed, disordered solids, and the mechanical response of	
	athermal and nonlinear materials.	
	Prerequisite(s): Instructor consent	
	Attributes: Natural Science	
	1205 001 1.0 Theodore A. Brzinski	0
IYS	H411F Research in Soft Matter Physics	
	Experimental research studying the rigidity and failure of jammed, disordered solids, and the mechanical response of	
	athermal and nonlinear materials.	
	Prerequisite(s): Instructor consent	
	Attributes: Natural Science	
	1212 001 .5 Theodore A. Brzinski	0
YS	H412A Research in Theoretical and Computational Physics	
	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.	
	Prerequisite(s): Instructor consent	
	Enrollment Limit: 3	
	Attributes: Natural Science	
	1207 001 1.0 Daniel Grin	0
	1674 002 1.0 Steve Ndengue	0
HYS	H412F Research in Theoretical and Computational Physics	
	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	
	Attributes: Natural Science	
	1213 001 .5 Daniel Grin	0
	1675 002 .5 Steve Ndengue	0
HYS	H413A Research in Biological Physics	
	Experimental & computational research applying physics to problems in biomechanics, animal behavior & sensory ecology.	
	Prerequisite(s): Instructor consent	
	Enrollment Limit: 6	
	Attributes: Natural Science	
	1208 001 1.0 Suzanne Amador Kane	0
	1679 002 1.0 Vijay Singh	0
IYS	H413F Research in Biological Physics	
	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	
	Attributes: Natural Science	_
	1217 001 .5 Suzanne Amador Kane	0
	1680 002 .5 Vijay Singh	0
HYS	H415A Research in Nanoscale Physics	
	Research on the morphology and electronic properties of nano-scale materials.	
	Prerequisite(s): Instructor consent. Advanced lab experience preferred	
	Enrollment Limit: 5	
	Attributes: Natural Science	
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Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)			Days	Start	End	Room	Enrld
		1209	001		Walter F. Smith							0
HYS	H415F	Resea	rch in	Nanos	cale Physics							
						properties of nano-						
	Prerequ	isite(s	): Inst	tructc	or consent. Advand	ced lab experience	preferred					
	Enrollm	ent Lim	it: 5									
	Attribu	tes: Na	tural .	Scienc	ce							
		1210	001	.5	Walter F. Smith							0
HYS	H460A	Assoc	iation	in Te	aching Basic Phys	sics						
	Study o	f the p	rincip	les ar	nd practices of le	ecture instruction	in physics through ass	sociation	with staf	f in Physic	s 101. The	
							actice, and deliver a					
							ion of examination pro					
						nd write an evaluat						
							Astronomy and instruct	or conser	nt.			
	Attribu						-					
		1211	001	1.0	TBA Department	staff						0
HYS	H480A	Indep	endent	Study								
		-		-		ome topic of study	that is not currently	offered i	in the cur	riculum. In	order to	
					ve a faculty spons							
					or consent							
	Enrollm			01 4000								
	Attribu			Scienc								
	110 01 10 0	1216	001		TBA Department	staff						0
		1406	002		TBA Department							0
HYS	H480F		endent		-	Stall						0
HIS	H480F	Indep	endent	Study								
		1387	001	.5	TBA Department	staff						0
		1503	002		TBA Department							0
DLS	H121A		can Pol		1							-
202						olitical process as	seen in the Congress,	the Pres	ridency a	nd the judi	ciary It	
							n, the media, and poli					
	America					pups, public opinio	ii, elle meara, alla porr	rerear par		precenting b	idy in the	
	Enrollm											
					f the Social Work	d Social Science						
	ALLIDU		-		Hannah Mariah	Social Science		T Th	1:00PM	2:25PM		0
		1071	001	1.0	Solomon-Strauss			1 111	I.OUPM	Z.ZJFM		0
OLS	H131A	Tatas		- + - C	Comparative Politi							
OLS					-		olitics applying three	where a	tudioo m		de pelitical	
					-		olitics analyzed throu	2			-	
		-	-		structures; point	Ical culture and id	entity politics; polit	LICAI PAIN	LICIPALION	and repres	entation;	
	and pol			-								
	Enrollm											
							15 spaces reserved for					
	Attribu		-				Iberian, and Latinx S					
		2670			Anita Julie Isa	acs		T Th	10:00AM	11:25AM	<u> </u>	0
OLS	H151A		nationa									
						-	nal politics. It consi		-	-		
							itical theories that h					
	those e	vents	The pr	incina	al goal of the con	urse is to develop	a general set of analy	tical and	proaches t	hat can be	used to gain	

those events. The principal goal of the course is to develop a general set of analytical approaches that can be used to gain insight into the nature of world politics - past, present and future.

Enrollment Limit: 40

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Attributes: B: Analysis of the Social World International Studies Middle Easter Human Rights Social Science	rn & Isla	mic Studies	Peace,	Justice and	
	1534 001 1.0 Barak Mendelsohn	T Th	11:30AM	12 <b>:</b> 55PM		0
POLS	H171A Introduction to Political Theory An introduction to central concepts of political life through exploring the questic freedom, power, authority and citizenship. Reading from ancient, modern, and conter philosophical, American as well as European, will be included. Enrollment Limit: 40 Attributes: B: Analysis of the Social World Social Science 1327 001 1.0 Shannan Hayes	-		-		0
POLS	H213A Separation of Powers and Constitutional Law The U.S. Constitution establishes a framework for government that preserves individ liberty, in part, through a Bill of Rights that promises freedom from certain types Constitution also seeks to guarantee liberty through the structural framework it es of those structural protections—the separation of powers among the legislative, exe government. Lottery Preference: Political Science majors Enrollment Limit: 25.00 Attributes: B: Analysis of the Social World Social Science 2681 001 1.0 Jeffrey Lamken	dual libe: s of gove: stablishes	rty. The Con rnment intru s. This cour	nstitution usion. The cse will e:	xamine one	0
POLS	H226A Social Movement Theory Theoretical analysis of origins and development of mass-based protest movements in recruitment of individuals, modes of organization and leadership, strategies and ta of movements on policy and politics. Enrollment Limit: 35 Attributes: B: Analysis of the Social World Social Science 1536 001 1.0 Stephen J. McGovern				the impact	0
POLS	H242A Women in War and Peace Analysis of the complex issues surrounding women as political actors and the ways is women differently. Selected cases from the United States, Africa, Latin America, and domestic politics, and international relations from a global perspective. Prerequisite(s): one course in POLS or instructor consent Enrollment Limit: 25 Attributes: Africana Studies Gender and Sexuality Studies Peace, Justice and Hu 2671 001 1.0 Susanna Wing	in which ( nd Asia a:	citizenship re studied a	relates to	o men and uss gender,	0
POLS	H262A Grassroots Economies: Creating Livelihoods in an Age of Urban Inequality The aim of the course would be to examine the political and economic constraints ge segregation in contemporary urban environments and how grassroots economic initiat: gaps and provide alternative ways to meet needs and generate supportive community. guerrilla gardens and artist collectives to worker cooperatives and informal revolv are informal. Some are legal, others less so. Many also fall under the radar of may capitalist markets, government welfare, and nonprofit philanthropy. Though many gra on a relatively small scale, they have a much larger footprint and impact when they engage with them both theoretically and with numerous concrete examples and interact will also examine various efforts in different cities to cultivate solidarity-based private partnerships and grassroots coalitions. Case studies will be drawn from a v will be on U.S. cities, with a particular emphasis on Philadelphia. This course will the Tri-Co Philly Program. Prerequisites:Priority in registration will be given to students participating in the	ives roote Examples ving loan instream s assroots e y are lood ctive expe d economic variety o ll be taue	ed in mutual of such ini funds. Many studies, whi economic ini ked at toget eriences wit c alternativ f countries, ght in Phila	l aid ofte itiatives of these ich instea thatives ther. The ch practit res through though th adelphia as	h fill the range from initiatives d focus on take place course will ioners. We h public- he focus	

Prerequisites: Priority in registration will be given to students participating in the Tri-Co Philly Program (https://www.haverford.edu/philly-program) and Political Science majors. Remaining seats are available to other Tri-Co

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)		Days	Start	End	Room	Enrld
	out the program	applic 's cour n (SOCI ister f	ation, ses, wh 056C). or the	which hich i . Thos class	emand exceeds remaining spaces in is due on Friday, April 5 by 11:5 nclude this course or Food Culture e not participating in the Philly	9 pm. This program incl s in Philadelphia (ENGL	udes regi B287) or	stering for Philadelph	two of th nia and the	ree of the 2024	
					-Co Philly Program students, Polit	ical Science majors					
	Attribu		-		the Social World Social Science						
		2672			Craig Borowiak		W	12:30PM	3:00PM	FRDCTR1	0
POLS	their m the int Prerequ Enrollm	ncipal otives erplay isite(s ent Lim	<pre>goal of and act between ): One it: 15</pre>	f the tiviti n stat cours	ctors in International Politics course is to expose students to va es. The course also introduces ana es and armed nonstate actors. e in political science or instruct itical science seniors, then polit	lytical lens through wh or consent					
					the Social World Social Science						
					Barak Mendelsohn		Th	1:30PM	3:55PM		0
	topic, Prerequ Enrollm	develop isite(s ent Lim	ing a l ): Juni it: 15	litera ior or	prepare for a senior thesis in po ture review and hypothesis, and ge senior standing or instructor con the Social World Social Science	nerating a research des sent				choosing a	
		1063	001	1.0	Hannah Mariah Solomon-Strauss		W	1:30PM	3:55PM		0
POLS	ideolog The cou Enrollm	minar e ical an rse is ent Lim	d parti geared it: 15 <i>Analys</i>	s some isan p towar <i>sis of</i>	ica of the most pressing challenges t olarization, increasing economic i d students preparing for a senior <i>the Social World Social Science</i> Stephen J. McGovern	nequality, and ongoing thesis in political sci	constrain				0
POLS	H330A				tive Politics			1.00111	0.00111		
1010	This is limited develop Prerequ Enrollm Lottery	a work to, et ment an isite(s ent Lim Prefer tes: B: 1535	shop cc hnicity d how t ): Thre it: 15 ence(s) <i>Analys</i> 001	y, rel they c ee cou ): Sen sis of 1.0	built around student interests and igion, gender and the state. We wi ope with violent conflict. rses in POLS AND junior or senior ior POLS majors, then junior POLS the Social World Latin American Susanna Wing	ll look at how states p status, or instructor c majors, then seniors, t	ursue bot onsent hen junic	h political	and econo		0
POLS	H331A	Resea	rch and	l Writ	ing in Comparative Politics						
	worksho Prerequ Enrollm Lottery	minar o pping s isite(s ent Lim Prefer	n resea kills a ): 5 cc it: 15 ence(s)	arch a among ourses ): Pol	nd writing in comparative politics advanced political science majors in political science at the intro itical Science Seniors, then Polit the Social World Social Science	ductory and intermediat ical Science Juniors		ng, analysis	s, writing	and	
			-		Anita Julie Isaacs		W	1:30PM	3:55PM		0
Page 5	9 of 75								Last Upda	ted: 4/5/2024	4:36 PM

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
POLS	H366A Advanced Research in Global Governance					
1010	Research seminar designed for students interested in working on long research pa	apers or pre	paring for a	senior thes	ses related	
	to the global governance subfield or similar fields. The course will cover resea					
	discussions of contemporary global governance scholarship, which will be used to		J .	2	J .	
	different approaches to research. Students' independent research will be complem					
	collaborative workshopping of one another's work in class.					
	Prerequisite(s): Three courses in POLS AND junior or senior status, or instructo	or consent				
	Enrollment Limit: 15					
	Lottery Preference(s): Senior POLS majors, then junior POLS majors, then seniors	s, then junio	ors			
	Attributes: B: Analysis of the Social World Social Science					
	2674 001 1.0 Craig Borowiak	М	1:30PM	3:55PM		0
POLS	H375A Contemporary Political Theory					
	This course examines the main contemporary theories of politics by focusing on a	-		-		
	to justify authority. We will explore how these political theories can be used t	to deal with	contempora	ry problems	as defined	
	by particular interests of students in the course.					
	Enrollment Limit: 15		1 00514	0.5551		2
	2698 001 1.0 Shannan Hayes	W	1:30PM	3:55PM		0
POLS	H460A Teaching Assistant					
	Teaching assistant.					
	Prerequisite(s): Instructor consent					
	Attributes: Social Science					^
	1073 001 1.0 Anita Julie Isaacs					0
	1368 002 1.0					0
	1384 003 1.0					0
POLS	H480A Independent Study		,		,	
	This course is conducted through individual consultation; supervised independent			-	l; research	
	papers and oral reports on special topics are based upon the individual interest	is of advance	ed students	•		
	Prerequisite(s): Instructor consent					
	Enrollment Limit: 5					0
2020	Enrollment Limit: 5 1069 001 1.0					0
PSYC	Enrollment Limit: 5 1069 001 1.0 H100A Foundations of Psychology		ity			0
PSYC	Enrollment Limit: 5 1069 001 1.0 H100A Foundations of Psychology An introduction to the study of mind and behavior. Topics include biological, co		<u> </u>			0
PSYC	Enrollment Limit: 5 1069 001 1.0 H100A Foundations of Psychology An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the	study of beh	havior. This	s course is	s a	0
PSYC	Enrollment Limit: 5 1069 001 1.0 H100A Foundations of Psychology An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo	study of beh	havior. This	s course is	s a	0
PSYC	Enrollment Limit: 5 1069 001 1.0 H100A Foundations of Psychology An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo an AP Psychology score of 4 or 5 or IB Psychology credit.	study of beh ost cases, th	havior. This his prerequi	s course is isite may b	s a De met with	0
PSYC	Enrollment Limit: 5 1069 001 1.0 H100A Foundations of Psychology An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo 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	study of beh ost cases, th re of 4 or 5	havior. This his prerequi on the AP e	s course is isite may b exam) have	s a be met with the option	0
PSYC	Enrollment Limit: 5 1069 001 1.0 H100A Foundations of Psychology An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo an AP Psychology score of 4 or 5 or IB Psychology credit.	study of beh ost cases, th re of 4 or 5 be done only	havior. This his prerequi on the AP e after const	s course is isite may b exam) have ultation wi	s a be met with the option th a	0
PSYC	Enrollment Limit: 5 1069 001 1.0 <b>H100A Foundations of Psychology</b> An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo an AP Psychology score of 4 or 5 or IB Psychology credit. Prerequisite(s): Students with AP Psychology credit from high school (and a scor to waive the Foundations course and enroll in upper-level courses; this should be	study of beh ost cases, th re of 4 or 5 be done only	havior. This his prerequi on the AP e after const	s course is isite may b exam) have ultation wi	s a be met with the option th a	0
PSYC	Enrollment Limit: 5 1069 001 1.0 <b>H100A Foundations of Psychology</b> An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo an AP Psychology score of 4 or 5 or IB Psychology credit. Prerequisite(s): Students with AP Psychology credit from high school (and a scor to waive the Foundations course and enroll in upper-level courses; this should be faculty member in the Psychology Department. Students are welcome to take PSYCH	study of beh ost cases, th re of 4 or 5 be done only	havior. This his prerequi on the AP e after const	s course is isite may b exam) have ultation wi	s a be met with the option th a	0
PSYC	Enrollment Limit: 5 1069 001 1.0 <b>H100A Foundations of Psychology</b> An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo 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 to waive the Foundations course and enroll in upper-level courses; this should be faculty member in the Psychology Department. Students are welcome to take PSYCH from high school (and a score of 4 or 5 on the AP exam).	study of beh ost cases, th re of 4 or 5 be done only 100 even if	havior. This his prerequi on the AP e after consu they have A	s course is isite may b exam) have ultation wi AP Psycholo	s a be met with the option th a bgy credit	0
PSYC	Enrollment Limit: 5 1069 001 1.0 <b>H100A Foundations of Psychology</b> An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo 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 to waive the Foundations course and enroll in upper-level courses; this should be faculty member in the Psychology Department. Students are welcome to take PSYCH from high school (and a score of 4 or 5 on the AP exam). Enrollment Limit: 35	study of beh ost cases, th re of 4 or 5 be done only 100 even if	havior. This his prerequi on the AP e after consu they have A	s course is isite may b exam) have ultation wi AP Psycholo	s a be met with the option th a bgy credit	0
PSYC	Enrollment Limit: 5 1069 001 1.0 <b>H100A Foundations of Psychology</b> An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo 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 to waive the Foundations course and enroll in upper-level courses; this should be faculty member in the Psychology Department. Students are welcome to take PSYCH 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 a	study of beh ost cases, th re of 4 or 5 be done only 100 even if	havior. This his prerequi on the AP e after consu they have A	s course is isite may b exam) have ultation wi AP Psycholo	s a be met with the option th a bgy credit	0
PSYC	Enrollment Limit: 5 1069 001 1.0 <b>H100A Foundations of Psychology</b> An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo 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 to waive the Foundations course and enroll in upper-level courses; this should be faculty member in the Psychology Department. Students are welcome to take PSYCH 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 a seniors	study of beh ost cases, th re of 4 or 5 be done only 100 even if	havior. This his prerequi on the AP e after consu they have A	s course is isite may b exam) have ultation wi AP Psycholo	s a be met with the option th a bgy credit	0
PSYC	Enrollment Limit: 5 1069 001 1.0 <b>H100A Foundations of Psychology</b> An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo 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 to waive the Foundations course and enroll in upper-level courses; this should be faculty member in the Psychology Department. Students are welcome to take PSYCH 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 a seniors Attributes: B: Analysis of the Social World Social Science	study of beh ost cases, th re of 4 or 5 be done only 100 even if as follows: f	havior. This his prerequi on the AP e after consu they have A freshmen, so	s course is isite may b exam) have ultation wi AP Psycholo ophomores,	s a be met with the option th a bgy credit	
PSYC	Enrollment Limit: 5 1069 001 1.0 <b>H100A Foundations of Psychology</b> An introduction to the study of mind and behavior. Topics include biological, co psychology, as well as a general consideration of the empirical approach to the prerequisite for most other 200 and 300 level psychology courses. However, in mo 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 to waive the Foundations course and enroll in upper-level courses; this should be faculty member in the Psychology Department. Students are welcome to take PSYCH 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 a seniors Attributes: B: Analysis of the Social World Social Science 1077 001 1.0 Marilyn Boltz	study of beh ost cases, th re of 4 or 5 be done only 100 even if as follows: f T Th	havior. This his prerequi- on the AP e after consu- they have A freshmen, so 8:30AM	s course is isite may b exam) have ultation wi AP Psycholo ophomores, 9:55AM	s a be met with the option th a bgy credit	0

A general overview of the research methods used in psychological science along with training in the statistical methods used in the field. Activities focus on designing research studies, collecting data, data analysis, and presenting results through written assignments.

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)				Days	Start	End	Room	Enrld
	-				or PSYC B105 or Psychol	ogy AP Score	of 4 or ins	structor com	nsent				
		ent Lim						,	(2)				
	student	S			Psychology majors, (2)		-	-	(3) senio	ors, (4) jur	lors, (5)	iırst-year	
	Attribu		-		the Social World Qua	ntitative S	ocial Scien	nce	,	10 00		_	
		1080	001		Laura E. Been				T Th	10:00AM	11:25AM		0
		1424 1425	00A 00B		Mikayla Rose Carson				T T	11:30AM 2:30PM	12:55PM 3:55PM	1	0 0
PSYC	H210A	-			Mikayla Rose Carson chology				1	2:30PM	3:33PM		0
	An exam from co reading This co this on Prerequ Enrollm Lottery	ination nceptio s in th urse is e, or o isite(s ent Lim Prefer	of hur n onwar e prima mutual ne of t ): PSYC it: 35 ence(s)	man de rd. Th ary re lly ex the tw C H100 ): Maj	evelopment, surveying the decoretical and empirical esearch literature, and of cclusive with PSYCB211 and to alternatives at Bryn M or PSYC B105 or Psychol ors and minors by class	approaches t class discuss nd PSYCB206, Mawr, but not Logy AP Score (seniors the	o the grow ions. meaning stu both. 4+ or cons	ing person w idents who a	will be e	explored thr	ough lect	ures,	
	Attribu		-		the Social World Soc.	ial Science			,	10 00	44 05	_	
PSYC	H215A	1589	nality		Ryan Lei				T Th	10:00AM	11:25AM	1	0
	healthy persona underst Prerequ Enrollm Lottery first, Attribu	r person lity (t anding isite(s ent Lim Prefer etc.) tes: B: 1086	ality? rait, p of huma ): PSYC it: 35 ence(s) <i>Analy</i> : 001	This psycho an per C 100 ): Psy sis of 1.0	cocesses and mechanisms? course will explore the odynamic, humanistic, and sonality that is situate or PSYC B105 or Psycholo ychology senior majors/ma the Social World Chi. Jennifer L Lilgendahl	se questions d social-cogn ed within bio ogy AP Score inors, Psycho	by considen itive), and logical, so 4 or instru logy junion	ring evidend d it will en ocial, and d actor consen r majors/min	ce from s ncourage cultural nt nors, the	several majo students to contexts.	r approac develop	ches to a dynamic s (seniors	0
PSYC	psychol Crossli Prerequ H129, N Enrollm Lottery seniors	lations ogy thr sted: P isite(s EUR H10 ent Lim Prefer	betwee ough co sycholo ): Any 0, Psyc it: 35 ence(s) <i>Analy</i> :	en bra onside ogy, B one c cholog ): 1) sis of	cience in, behavior, and subject tration of current knowle biology of the following or instant ty AP Score 4 Psych majors, neuroscient the Social World C: TBA Department staff	edge about th ructor consen nce majors, a	e mechanisr t: PSYC 100 nd neurosc:	ns of mind a ), PSYC B109 ience minors	and behav 5, BIOL H s, 2) sop	vior. H123, BIOL H phomores, 3)	124, BIOI	H128, BIOL	0
PSYC	H236A				ehavioral Economics								0
1010	This co decisio new mod with re Crossli Pre-req	urse ex n-makin els inc al worl sted: P	plores g. Stud orporat d data SYC. s): Ecc	how o dents ting i sets	bservations of human ps will reinforce and expan- nsights from the field of and academic writing. s 104 or 105, or equival	nd their unde of psychology	rstanding d	of classical	l econom:	ic models, a	nd learn	to work with	1

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Attributes: B: Analysis of the Social World Social Science 1561 001 1.0 David M. Owens	T Th	10:00AM	11:25AM		0
PSYC	H260A Cognitive Neuroscience An examination of the neural basis of higher mental functions such as object rec functions, language, and decision-making. Major themes include mind/brain relati plasticity of the brain. Prerequisite(s): PSYC 100 or PSYC B105 or NEUR 100 or Psychology AP Score of 4 o Enrollment Limit: 35 Lottery Preference(s): priority to senior psychology or neuroscience majors, fol majors, followed by psychology or neuroscience minors. Attributes: C: Physical and Natural Processes Natural Science Neuroscience 2581 001 1.0 Rebecca Compton	onships, loc	calization of consent	of function	, and the	0
PSYC	H303A Psychology of Music What functions does music serve and how does it influence behavior? This course bases of music as well as its effects upon cognition, social behavior, and our s Prerequisite(s): PSYC 100, PSYC 200, and at least one additional 200-level cours Enrollment Limit: 12 Priority will be given to psychology majors at both Haverford and Bryn Mawr Coll Attributes: B: Analysis of the Social World C: Physical and Natural Processes 2583 001 1.0 Marilyn Boltz	sense of self se in psychol .eges, follow	and ident: ogy. wed by all p	ity.	2	0
PSYC	H315F Laboratory in Personality Psychology An overview of methods used to conduct research on personality. Through lab acti learn about important methodological topics within the study of personality, inc validity, different modes of data collection (self-report questionnaires, interv experimental approaches), and how to analyze and interpret personality data. Prerequisite(s): Past or concurrent enrollment in PSYC 215 is required. Prior co recommended; however, concurrent enrollment in PSYC 200 or PSYC B205 may be perm Enrollment Limit: 16 Lottery Preference(s): PSYC senior majors first, then junior majors next, then m seniors first, etc. Attributes: B: Analysis of the Social World Social Science 1087 001 .5 Jennifer L Lilgendahl	cluding measu views and nar ompletion of missible with	PSYC 200 of instructor	liability a oservationa r PSYC B205 r consent	nd l and is	0
PSYC	1590 001 1.0 Laura E. Been	orimary liter	ature in in	nvertebrate logy or neu	, rodent,	le 0
PSYC	<ul> <li>H339A Asian American Psychology</li> <li>This seminar course addresses major theories and findings in Asian American Psyc acculturation, ethnic identity, stereotyping and discrimination, families and de Prerequisite(s): One 200 level PSYC course or permission from instructor Enrollment Limit: 15</li> <li>Lottery Preference(s): Senior PSYC majors, Senior ASAM minors, Senior Psych minor Junior Psych minors, then class year (seniors, juniors, etc).</li> <li>Attributes: Asian American Studies B: Analysis of the Social World Social Sc</li> </ul>	evelopment, a ors, Junior F	and mental 1	health.		

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Subject	Cat Nbr (	ClNbr S	Sctn Crd	Instructor(s)			Days	Start	End	Room	Enrld
	-	1591 (	001 1.0	) Shu-wen Wong	1		M W	11:30AM	12 <b>:</b> 55PM		0
PSYC	This cour explainin Prerequis Enrollmen	se focus g the un ite(s): t Limit reference	ses on th nderlying PSYC H21 : 12 ce(s): 1)	ne scientific r g processes of 10, H213, or H2 senior psycho	and Prejudice esearch of stereoty why group-based div 42; or PSYC B208, E logy majors and mir	ides persist. 224, or B211		-	-		
		<i>s: B:</i> A 2584 (	-	o <i>f the Social W</i> ) Ryan Lei	orld Social Scier	се	T Th	1:00PM	2:25PM		0
PSYC	An examin. cognitive neuroimag Prerequis lab Enrollmen Lottery P majors, fo <i>Attribute</i>	ation o: and ele ing and ite(s): t Limit reference ollowed s: C: Pa	f methodo ectrophys the stuc Stats/Me : 16 ce(s): pr by psych hysical a	siological (EEG dy of patient p ethods (PSYC H2 riority to seni nology or neuro and Natural Pro	study the neural k , ERP) recording me opulations. 00 or B205), or ins or psychology or ne science minors. cesses Natural Sc	thods, and will exa tructor consent. Th uroscience majors,	amine methodolo ne PSYC H260 le followed by ju ce	gical issues cture is not nior psychol	s in hemod	ynamic for this	
PSYC				) Rebecca Comp sorders Semina			M W	2:30PM	3:55PM		0
	disorders that affe in the sp causes an Pre-requi Psycholog Lottery P Linguisti Enrollmen Attribute	tell us ct commu eech, la d under site(s) y or any reference cs majo: t Limit <i>s: B: An</i> 1693 (	s about r unicatior anguage, lying med : PSYC100 y 100-lev ce: Senic rs and mi : 12.00 nalysis c 001 1.0	normal speech a n throughout th and hearing do chanisms of dif ) Foundations o rel Linguistics or psychology m	ajors, Junior psych rs by class year.	ing? In this course ng developmental, a on empirical studi 00 Research Methods ology majors, Senio	e, students wil acquired, and n ies and theoret s and Statistic	l learn abou eurogenic co ical reviews s, and one a	at common o ommunicati s to exami additional	disorders on disorder ne potentia 200-level	1
PSYC	Open to se Enrollmen Attribute	t Limit s: Socia	sychology : 10 <i>al Scien</i> o		a one semester thes	is in current semes	ster. F	1:30PM	3:55PM		0
PSYC	H392A S This seni- an emphas psycholog Enrollmen Attribute	Senior F or resea is on th y majors t Limit s: Socia	Research arch tuto he role o s. : 10 al Scieno	Tutorial in Pe prial examines of narrative me ce	<b>rsonality</b> personality process aning-making for ur		rajectories and	outcomes. (	)pen to se:		
PSYC	<b>H394A S</b> This senior influence	Senior H or thes: this re	<b>Research</b> is tutori elationsh	lal examines th nip. Using a ro	Algendahl havioral Neuroscien e bidirectional rel dent model and cutt in behavioral neuro	ationship between t ing-edge neuroscier	nce methodologi	es, students	s will des.		0 s
Page 6	3 of 75	nachena	CIIC CIUPII	Tear broleers	In Denavioral Healt	endoerinorogy. Oper	. co sentor psy	chorogy maje		ated: 4/5/2024	4:36 PM

Subject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)		Days	Start	End	Room	Enrld
	Enrollm	ent Lim	nit: 10	,				_	_	_	_
	Attribu	tes: Na	itural	Scienc	ce Neuroscience						
		1075	001	1.0	Laura E. Been		F	1:30PM	3:55PM		0
		1592	002	1.0	Patrese Robinson-		F	1:30PM	3:55PM		0
					Drummer						
PSYC	H395A	Senio	r Rese	arch T	utorial in Cognitive Neuroscience						
-	This se				al involves designing and implementing p	projects using EEG m	nethods t	o study asp	ects of hu	ıman	
					vary, but often involve executive func						
	psychol	-		-	-			-	-		
	Enrollme	ent Lim									
	Attribu	tes: Ne	eurosci	ence	Social Science						
		1076	001	1.0	Rebecca Compton		F	1:30PM	3:55PM		0
PSYC	H397A	Senio	r Resei	arch T	utorial in Developmental Psychology						
	Open to										
	Attribu		-		-						
					Patrese Robinson-		F	1:30PM	3:55PM		0
					Drummer						
PSYC	H398A	Senio	r Rese	arch T	utorial in Cultural Psychology						
-	This se				al examines the influence of culture, et	hnicity, and race o	on psycho	logical prc	cesses. To	pics on	
					rt, emotion processes, and health and we					-	
	Enrollme					-	-			51 5	
	Attribu	tes: So	cial S	cience	۵ ۲						
		1085	001	1.0	Shu-wen Wong		F	1:30PM	3:55PM		0
PSYC	H480A	Indep	endent	Study							
			volves	indep	pendent research under the supervision o	of a faculty member	and requ	ires facult	y invitati	on and	
	approva										
	Enrollme										
		1405	001	1.0							0
PSYC	H480F	Indep	endent	Study							
	This co	urse in	volves	indep	pendent research under the supervision o	of a faculty member	and requ	ires facult	y invitati	on and	
	approva	1.							_		
	Enrollme	ent Lim	iit: 10								
		1389	001	.5							0
		1393	002	.5							0
		1800	003	.5							0
RELG	H101A	Intro	ductio		he Study of Religion						
THEE C					idy of religion from multiple perspectiv	ves: overviews of se	veral re	ligions wit	h classroo	m	
					cces; cross-cultural features common to			2			
	study a			-		many rerryrene,	01100 01	1011910	na approce	1100 00 100	
	Enrollme		-								
					nterpretation (Texts) Humanities						
		1429			Molly Farneth		ΜW	11:30AM	12:55PM		0
RELG	H131A				es: Religion and Visual Media						
KEIG .					esentations from figural forms to abstra	actions found object	'ts and h		iting to u	Inderstand	
					ry. We will examine formats from medieva						
					e dynamics that emerge among viewers and						
					and painting in neo-Gothic churches, cal				-		
	-		-		Tabrics in Buddhist monastic complexes.	IIGIADINA IN WORAC	aliu siirr	THE THREETON	S, dercy r	COUR IN	
	Crossli			Cent I	abiles in buddhist monastic complexes.						
	CLOBBIT	steu. v	131.								

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Enrollment Limit: 35.00					
	Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies 1626 001 1.0 Pika Ghosh	T Th	11:30AM	12:55PM		0
RELG	H137A Black Religion and Liberation Theology An introduction to the theological & philosophical claims raised in Black Religion In particular, the course will examine the multiple meanings of liberation within African American struggles against racism, sexism and class exploitation and the p political imaginations of African Americans.	black reli	gion, the p	place of re	ligion in	
	Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities 1871 001 1.0 Terrance Wiley	T Th	2:30 PM	3:55PM		0
RELG	H202A The End of the World as We Know it					
	Why are people always predicting the coming endtime? This course will explore the themes that characterize this form of literature. Our primary source readings will documents from the early Jewish and Christian traditions. We will use an analytica functions of apocalyptic, and ask why this form has been so persistent and influer Enrollment Limit: 25 Attributes: Humanities Middle Eastern & Islamic Studies	l be drawn al perspect	from the Bi	ble and no	n-canonical	_
	1872 001 1.0 Naomi Koltun-Fromm	T Th	1:00PM	2:25PM		0
		rt and as t isual Studi	hey are lat . <i>es</i>	er represe	-	
	2622 001 1.0 Matthew Cullen Farmer	T Th	1:00PM	2:25PM		0
	2623 002 1.0 Matthew Cullen Farmer	T Th	2:30PM	3:55PM		0
ELG	H215A The Letters of Paul Close reading of the 13 letters attributed to the apostle Paul and critical examin development of early Christianity. Enrollment Limit: 25	nation of t	he place of	Paul in t	he	
	1873 001 1.0 Anne Marie McGuire	M W	10:00AM	11:25AM		0
RELG	H221A Women and Gender in Early Christianity An examination of the representations of women and gender in early Christian texts Christianity. Topics include interpretations of Genesis 1-3, images of women and s and the roles of women in various Christian communities. Enrollment Limit: 20 Attributes: A: Meaning, Interpretation (Texts) Gender and Sexuality Studies Hu 1577 001 1.0 Anne Marie McGuire		2			0
RELG	H268A Anarchism: Religion, Ethics, Political Obligation Anarchism emerged in the nineteenth century as an important transnational sociopol Course participants will analyze anarchism as a political philosophy and as a soci labor movement to the ongoing global justice movement. Enrollment Limit: 25 Lottery Preference(s): Religion Majors, Peace concentrators Attributes: A: Meaning, Interpretation (Texts) Humanities Peace, Justice and H	ial movemen Human Right	t, from the	e nineteent		
	1874 001 1.0 Terrance Wiley	М	7:30PM	9:55PM		0
RELG	H299A Theoretical Perspectives in the Study of Religion An introduction to theories of the nature and function of religion from theologica anthropological, and sociological perspectives. Readings may include: Schleiermach Durkheim, Weber, James, Otto, Benjamin, Eliade, Geertz, Foucault, Douglas, Smith,	her, Marx,	Nietzche, F	Freud, Tylo	r,	
Dago 61	a of 75			T a a h TTa al a	+ 1 / - /	4.2C DM

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Enrollment Limit: 15					
	Lottery Preference(s): Senior majors/minors, then Junior majors/minors					
	Attributes: A: Meaning, Interpretation (Texts) Humanities					
	1230 001 1.0 Guangtian Ha	M W	11:30AM	12:55PM		0
RELG	H316A Hegel's Social Ethics					
	An examination of religion, ethics, and politics in Hegel's Phenomenology of Sp				2	
	Hegel's monumental text, we will consider its influence over modern and contemp	porary discuss	sions of ger	ider, domin	ation,	
	ethical conflict and religious pluralism. Prerequisite(s): At least one 200-level course in philosophy, political theory,	or religious	thought o	r normissi	on of the	
	instructor.	, or rerigiou.	s chought, c	permissi	JII OI CIIE	
	Enrollment Limit: 15					
	Lottery Preference(s): Majors and minors					
	Attributes: A: Meaning, Interpretation (Texts) Humanities					
	2637 001 1.0 Molly Farneth	Т	1:30PM	3:55PM		0
RELG	H321A Blackness in Islam: Race, Slavery and Gender in Early Muslim Culture					
	This course uses medieval Arabic prose and poetry - most of them with English t			-	-	
	academic literature to introduce students to the intricate and embattled histor					
	our understanding of B/blackness in the Euro-American context is heavily determ	-	-	· -		
	trans-Atlantic slave trade, notions of B/blackness and ideas of anti-racism als shift our attention to the wider Indian Ocean world that encompasses Africa, Ar			.cher genea.	logy II we	
	Pre-requisite(s): One course in Religion, Anthropology, Arabic or Middle Easter			of the in	structor	
	Enrollment Limit: none		pormitooitoi		00100001	
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social Worl	ld Humanitie	e <i>s</i>			
	1876 001 1.0 Guangtian Ha	Th	1:30PM	3:55PM		0
RELG	H398A Senior Thesis Seminar Part 1					
	A practical methodology course which prepares senior Religion majors to write t	their senior t	cheses.			
	Enrollment Limit: 25					
	Lottery Preference(s): Open to Senior Religion majors only	ld Ilumoniti				
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social Worl 1227 001 1.0 Naomi Koltun-Fromm	ld Humanitie W	1:30PM	3:55PM		0
RELG	H460A Teaching Assistant	VV	1.JUFM	J.JJFM		0
RELG	Teaching Assistant					
	Enrollment Limit: 5					
	1375 001 1.0					0
RELG	H480A Independent Study					
	Independent Study					
	Enrollment Limit: 5					
	1228 001 1.0					0
	1229 002 1.0					0
RUSS	H356A Topics European History					
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social Worl					_
	1645 001 1.0 Linda Gerstein	М	1:30PM	3:55PM		0
SOCL	H155A Foundations in Social Theory	+ h		£		
	This seminar provides an introduction to sociology, to the doing of sociology,	2			5	
	works in the discipline. We use these works as exemplifications of how we might criticized. The two semesters of this course are autonomous; either semester in		-			
	semester may be taken first. Together, the two mesh into a systematically-const	-	-			
	perspective on the accomplishments and future tasks of sociology than either pr		-			
	different sections of the course.					
	Enrollment Limit. 22					

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Lottery Preference(s): Sociology Majors, Sociology Minors, First years, Sophomores	, Juniors,	Seniors.			
	Attributes: B: Analysis of the Social World Social Science					
	1124 001 1.0 Mark Gould	T Th	1:00PM	2:25PM		0
	1125 002 1.0 Elise Herrala	T Th	10:00AM	11:25AM		0
OCL	H165A Social Inequality					
	Why do some people have more of the things that matter? This course explores the		2 1	-		
	societies. We will discuss the ways in which sociological research has demonstrat	-				
	in causing inequality. In particular, the course will look at how categorical ine		2		lned.	
	Lottery Preference: Reserve 15 seats for first year students. First-year students Enrollment Limit: 30.00	have prei	erence 111 1	ottery.		
	Enrollment Limit: 30.00 Attributes: B: Analysis of the Social World Social Science					
	2682 001 1.0 Matthew McKeever	ΜW	10:00AM	11:25AM		0
SOCL	H233A Topics in Sociology	1.1 **	T0.00111	11.4.0.01.01		0
ОСП	This course explores key contemporary research in particular fields within the dis	cinline. 1	'he focus of	the course	changes	
	across semesters and faculty who design it.	стрттис. т	ILE TOCAS OF	UNE COULCE	e changes	
	Attributes: B: Analysis of the Social World Social Science					
	2432 001 1.0 Mark Gould	T Th	11:30AM	12:55PM		0
	2433 002 1.0 Elise Herrala	т	1:30PM	3:55PM		0
SOCL	H270A Measuring Education					-
	This course explores contemporary political movements to measure learning outcomes	in educat	ional insti	tutions. It	COVERS	
	such topics as NCLB legislation, standardized testing for college admissions, asse					
		551110110	CO11090	Cucion,		
	development of online learning tools.					
	development of online learning tools. Crosslisted: Sociology, Education					
	development of online learning tools. Crosslisted: Sociology, Education Enrollment Limit: 25					
	Crosslisted: Sociology, Education	tion Studi	es majors,	Education S	Studies	
	Crosslisted: Sociology, Education Enrollment Limit: 25	tion Studi	es majors,	Education S	Studies	
	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science	tion Studi	-		Studies	
	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors.	tion Studi M	les majors, 1:30PM	Education S 3:55PM	Studies	0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies		_		Studies	0
OCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year.		_		Studies	0
OCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science		_		Studies	
OCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould		_		Studies	0
30CL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever		_		Studies	0 0
30CL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould		_		Studies	0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant	М	1:30PM	3:55PM		0 0
	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant Students may act as assistants in certain courses that they themselves have alread	M ly complete	1:30PM ed. Responsi	3:55PM bilities ma	ay include	0 0 0
	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of	M ly complete	1:30PM ed. Responsi	3:55PM bilities ma	ay include	0 0 0
	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic.	M ly complete	1:30PM ed. Responsi	3:55PM bilities ma	ay include	0 0 0
	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science	M ly complete	1:30PM ed. Responsi	3:55PM bilities ma	ay include	0 0 0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science 1126 001 1.0 Mark Gould	M ly complete	1:30PM ed. Responsi	3:55PM bilities ma	ay include	0 0 0
	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science 1126 001 1.0 Mark Gould H480A Independent Study	M dy complete advanced	1:30PM ed. Responsi reading and	3:55PM bilities ma a paper or	ay include	0 0 0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever <b>H450A Senior Departmental Studies</b> Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala <b>H460A Teaching Assistant</b> Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science 1126 001 1.0 Mark Gould <b>H480A Independent Study</b> Research papers and reading courses on special topics related to the individual in	M dy complete advanced	1:30PM ed. Responsi reading and	3:55PM bilities ma a paper or	ay include	0 0 0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever <b>H450A Senior Departmental Studies</b> Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala <b>H460A Teaching Assistant</b> Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science 1126 001 1.0 Mark Gould <b>H480A Independent Study</b> Research papers and reading courses on special topics related to the individual in Prerequisite(s): The instructor's approval of a research or reading proposal	M dy complete advanced	1:30PM ed. Responsi reading and	3:55PM bilities ma a paper or	ay include	0 0 0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science 1126 001 1.0 Mark Gould H480A Independent Study Research papers and reading courses on special topics related to the individual in Prerequisite(s): The instructor's approval of a research or reading proposal 1129 001 1.0	M dy complete advanced	1:30PM ed. Responsi reading and	3:55PM bilities ma a paper or	ay include	0 0 0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever <b>H450A Senior Departmental Studies</b> Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala <b>H460A Teaching Assistant</b> Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science 1126 001 1.0 Mark Gould <b>H480A Independent Study</b> Research papers and reading courses on special topics related to the individual in Prerequisite(s): The instructor's approval of a research or reading proposal 1129 001 1.0 <b>H001A Elementary Spanish</b>	M ly complete advanced	1:30PM ed. Responsi reading and	3:55PM bilities ma a paper or tudents.	ay include 1 an agreed	0 0 0 0 0 0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever <b>H450A Senior Departmental Studies</b> Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala <b>H460A Teaching Assistant</b> Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science 1126 001 1.0 Mark Gould <b>H480A Independent Study</b> Research papers and reading courses on special topics related to the individual in Prerequisite(s): The instructor's approval of a research or reading proposal 1129 001 1.0 <b>H001A Elementary Spanish</b> This course is the first part of the introduction to the Spanish language. We stud	M ly complete advanced terests of	1:30PM ed. Responsi reading and advanced s and vocabul	3:55PM bilities ma a paper or tudents. ary in orde	ay include an agreed er to learn	0 0 0 0
SOCL	Crosslisted: Sociology, Education Enrollment Limit: 25 Lottery Preferences: Haverford Sociology majors, Haverford Sociology minors, Educa minors. Attributes: B: Analysis of the Social World Social Science 1516 001 1.0 Matthew McKeever H450A Senior Departmental Studies Thesis work, two semesters required of majors in their senior year. Attributes: Social Science 1127 001 1.0 Mark Gould 1128 002 1.0 Matthew McKeever 1130 003 1.0 Elise Herrala H460A Teaching Assistant Students may act as assistants in certain courses that they themselves have alread the opportunity to lead discussions, informal teaching assistance, a short list of topic. Attributes: Social Science 1126 001 1.0 Mark Gould H480A Independent Study Research papers and reading courses on special topics related to the individual in Prerequisite(s): The instructor's approval of a research or reading proposal 1129 001 1.0 H001A Elementary Spanish	M ly complete advanced terests of ly grammar te focus is	1:30PM ed. Responsi reading and advanced s and vocabul on engagin	3:55PM bilities ma a paper or tudents. ary in orde g in convey	ay include an agreed er to learn ying	0 0 0 0

ubject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)	Days	Start	End	Room	Enrld
	mandator	y study	y group	b hour	. This is a two-semester course. Both s	semesters need to be taken	consecutivel	y to receiv	e credit.	
	Students	who ta	ake the	e firs	t semester at HC have priority of enrol	llment in the second semest	er.			
	Reserved	l for st	udents	s with	no previous to very little experience	in Spanish.				
	Enrollme	ent Limi	it: 18							
	Attribut	es: A:	Meanir	2.	terpretation (Texts) Humanities					
		1316	001	1.0	Catherine Schroeder	M W F	9:30AM	10:25AM		0
		1317	002	1.0	Catherine Schroeder	M W F	10:30AM	11:25AM		0
		1318	003	1.0	Ariana Huberman	M W F	11:30AM	12:25PM		0
AN	H100A				e Spanish					
	This is	a cours	se for	stude	nts who have achieved a basic knowledge	e of Spanish. Students will	improve the	eir conversa	tional an	ıd
					ing about contemporary issues of Spanis					
					the instructor, (1) hour with a TA, ar	nd (1) mandatory study grou	p hour. Prer	equisite(s)	:	
				nstruc	tor consent.					
	Enrollme			-						
	Attribut	1319			<i>terpretation (Texts) Humanities</i> Aurelia Gómez De	T Th	10:00AM	11:25AM		0
		1319	001	1.0	Aurella Gomez De Unamuno	T Th	10:00AM	II:ZJAM		0
		1220	000	1 0	Aurelia Gómez De	ш. шь	11.20M	10. E E DM		0
		1320	002	1.0	Aurella Gomez De Unamuno	T Th	11:30AM	12:55PM		0
					Unanuno					
		1 - 0 -	000	1 0		14 57	1 00 DM			0
AN	cultural specific	goals , and h themes	nistori s chose	<b>Span</b> Is cou Ical i en to	rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp	ocabulary and grammar are t panic societies and culture	aught withir s. The cour	the contexts for	t of the	0
AN	The main cultural specific hours a Prerequi Enrollme	Intern goals , and h themes week: t site(s) ent Limi	of thin nistori s chose three : SPAN it: 18	Span: Ls cou Lcal i en to (3) ho J 100,	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st	s, with a fo aught withir s. The cour	ocus on key the contex se meets fo	t of the	0
AN	The main cultural specific hours a Prerequi Enrollme	Interm a goals , and h : themes week: t site(s) ent Limi ces: A:	of thin nistori s chose three 0: SPAN it: 18 Meanin	Span: is cou ical i en to (3) ho (3) ho 100, ng, In	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t.	s, with a fo aught withir s. The cour udy group ho	ocus on key the contex se meets fo our.	t of the	
AN	The main cultural specific hours a Prerequi Enrollme	Interm a goals , and h : themes week: t site(s) ent Limi ces: A: 1321	of thin nistori s chose three : SPAN it: 18 <i>Meanir</i> 001	<b>Span</b> : Is cou Ical i en to (3) ho 100, 1.0	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W	s, with a fo aught withir s. The cour udy group ho 10:00AM	ocus on key the contex se meets fo our. 11:25AM	t of the	0
AN	The main cultural specific hours a Prerequi Enrollme	Interm a goals , and h : themes week: t site(s) ent Limi ces: A:	of thin nistori s chose three 0: SPAN it: 18 Meanin	<b>Span</b> : Is cou Ical i en to (3) ho 100, 1.0	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t.	s, with a fo aught withir s. The cour udy group ho	ocus on key the contex se meets fo our.	t of the	
AN	The main cultural specific hours a Prerequi Enrollme	Intern a goals , and h : themes week: t site(s) ent Limi ces: A: 1321 1322	of thi nistori s chose three : SPAN it: 18 <i>Meanin</i> 001 002	<b>Span</b> : is cou ical i (3) ho 100, <i>ng, In</i> 1.0 1.0	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez Hernandez	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W T Th	s, with a fo aught withir s. The cour udy group ho 10:00AM 11:30AM	ocus on key the contex se meets fo bur. 11:25AM 12:55PM	t of the	0 0
	The main cultural specific hours a Prerequi Enrollme Attribut	Interm a goals , and h : themes week: t site(s) ent Limi ces: A: 1321 1322 1324	of thinistoria s chose three : SPAN it: 18 <i>Meanin</i> 001 002 003	Span: ls cou lcal i en to (3) ho 100, 100, 1.0 1.0	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez Hernandez Luis Rodriguez-Rincon	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W	s, with a fo aught withir s. The cour udy group ho 10:00AM	ocus on key the contex se meets fo our. 11:25AM	t of the	0
	The main cultural specific hours a Prerequi Enrollme Attribut	Intern a goals , and h : themes week: t site(s) ent Limi ces: A: 1321 1322 1324 Advance	nediate of thi histori s chose three : SPAN it: 18 <i>Meanin</i> 001 002 003 ced Int	Span: s coulcal i en to (3) ho 100, 1.0 1.0 1.0	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez Hernandez Luis Rodriguez-Rincon iate Spanish	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W T Th T Th	s, with a fo aught within s. The cour udy group ho 10:00AM 11:30AM 2:30PM	ocus on key the contex se meets fo bur. 11:25AM 12:55PM 3:55PM	t of the r five	0 0
	The main cultural specific hours a Prerequi Enrollme Attribut <b>H102A</b> This cou	Interm a goals , and h themes week: t site(s) ent Limi tes: A: 1321 1322 1324 Advance prse aim	nediate of thinistori s chose three : SPAN it: 18 <i>Meanin</i> 001 002 003 cod Int	<pre>Span: s could all i en to (3) ho 100, 1.0 1.0 1.0 cermed: refine</pre>	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez Hernandez Luis Rodriguez-Rincon iate Spanish the student's ability to exercise crit	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W T Th T Th tical analysis and to commu	s, with a fo aught within s. The cour udy group ho 10:00AM 11:30AM 2:30PM nicate effec	ocus on key the contex se meets fo our. 11:25AM 12:55PM 3:55PM ctively in S	t of the r five panish	0 0
	The main cultural specific hours a Prerequi Enrollme Attribut H102A This cou (orally	Interm a goals , and h : themes week: t site(s) ent Limi ces: A: 1321 1322 1324 Advance arse ain and in	nediate of thi histori s chose three : SPAN it: 18 <i>Meanin</i> 001 002 003 ced Int ms to n writir	<pre>Span: s could cal i en to (3) ho 100, 1.0 1.0 1.0 cermed: cefine ng) by</pre>	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez Hernandez Luis Rodriguez-Rincon iate Spanish the student's ability to exercise crit learning about a variety of cultural t	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W T Th T Th tical analysis and to commu themes and literary genres	s, with a fo aught within s. The cour udy group ho 10:00AM 11:30AM 2:30PM nicate effec and to prep	ocus on key the contex se meets fo our. 11:25AM 12:55PM 3:55PM ctively in S oare to take	panish courses	0 0
	The main cultural specific hours a Prerequi Enrollme Attribut H102A This cou (orally at the 2	Interm a goals , and h : themes week: t site(s) ent Limi ces: A: 1321 1322 1324 Advance and in 200 leve	ediate of thi histori s chose three : SPAN it: 18 Meanin 001 002 003 ed Int ms to n writir el The	Span: s coulcal i en to (3) ho 100, 1.0 1.0 1.0 cermed: refine mg) by e cour	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez Hernandez Luis Rodriguez-Rincon iate Spanish the student's ability to exercise crit learning about a variety of cultural t se meets for five hours a week: three	ng and conversational skill ocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W T Th T Th tical analysis and to commu themes and literary genres	s, with a fo aught within s. The cour udy group ho 10:00AM 11:30AM 2:30PM nicate effec and to prep	ocus on key the contex se meets fo our. 11:25AM 12:55PM 3:55PM ctively in S oare to take	panish courses	0 0
	The main cultural specific hours a Prerequi Enrollme Attribut H102A This cou (orally at the 2 mandator	Intern a goals , and h : themes week: t site(s) ent Limi ces: A: 1321 1322 1324 Advance and in coo leve y study	ediate of thi histori s chose three : SPAN it: 18 <i>Meanin</i> 001 002 003 ed Int ms to n writir el The y group	<pre>Span: s could all s could all all all all all all all all all all</pre>	ish rse are to strengthen and expand writir ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez Hernandez Luis Rodriguez-Rincon iate Spanish the student's ability to exercise crit learning about a variety of cultural t se meets for five hours a week: three	ng and conversational skill pocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W T Th T Th tical analysis and to commu themes and literary genres (3) hours with the instruct	s, with a fo aught within s. The cour udy group ho 10:00AM 11:30AM 2:30PM nicate effec and to prep	ocus on key the contex se meets fo our. 11:25AM 12:55PM 3:55PM ctively in S oare to take	panish courses	0 0
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	The main cultural specific hours a Prerequi Enrollme Attribut H102A This cou (orally at the 2 mandator Prerequi Enrollme	Interm a goals , and h : themes week: t site(s) ent Limi ces: A: 1321 1322 1324 Advance and in coo leve sy study site(s) ent Limi ces: A:	ediate of thi histori s chose three : SPAN it: 18 <i>Meanin</i> 001 002 003 ed Int ns to n writin el The y group : SPAN it: 18 <i>Meanin</i>	<pre>Span: s could all i en to (3) ho 100, 1.0 1.0 1.0 1.0 ermed: cefine ng) by e cour b hour 1.0 1.0 </pre>	ish rse are to strengthen and expand writin ssues of the Spanish-speaking world. Vo enhance students' familiarity with Hisp urs with the instructor, (1) hour with Placement score, or instructor consent terpretation (Texts) Humanities Roxanna Colón-Cosme Lina Maria Martinez Hernandez Luis Rodriguez-Rincon iate Spanish the student's ability to exercise crit learning about a variety of cultural t se meets for five hours a week: three Placement score, or instructor consent terpretation (Texts) Humanities Roberto Castillo	ng and conversational skill pocabulary and grammar are t panic societies and culture a TA, and (1) mandatory st t. M W T Th T Th tical analysis and to commu themes and literary genres (3) hours with the instruct t.	s, with a fo aught within s. The cour udy group ho 10:00AM 11:30AM 2:30PM nicate effec and to prep or, (1) hour	ocus on key the contex se meets fo ur. 11:25AM 12:55PM 3:55PM Stively in S bare to take with a TA,	panish courses	0 0

The course aims to provide students with the skills necessary to successfully undertake writing assignments in the upperdivision Spanish courses. Students will be engaged in discussions of, and write about topics such as identity, borders and migrations, and manifestations of violence. This course is conducted in Spanish. Prerequisite(s): SPAN 102, placement, or instructor consent

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld
	Enrollment Limit: 15 Lottery Preference(s): 8 spaces reserve for first year students					
	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World Latinx Studies	Humanities			Iberian, an	
	1598 001 1.0 Ana López-Sánchez	T Th	2:30PM	3:55PM		0
SPAN	H219B Contemporary Latin American Short Fiction This course focuses on recent (1990 to the present) Latin American short fiction, violence, resistance, memory, politics and social transformation. The course will narrative forms in Latin America, including the legacy of genre figures such as Q Monterroso, and García Márquez. Participants will gain a comprehensive understand short stories in a workshop setting. Pre-requisite(s): Placement at the -200 level or permission of the instructor Lottery Preference: Majors, minors, seniors, LAILS concentrators Enrollment Limit: 12.00	also explor uiroga, Borg	re the dev ges, Cortá	elopment o zar, Peri	f short Rossi,	
	Attributes: A: Creative Expression Humanities 2684 001 1.0 Roberto Castillo Sandoval	F	11:00AM	1:25PM		0
	In this class students will have the opportunity to explore different aspects, is in co-creating social justice projects with communities (local and international) Martínez Hernández and Community Co-Instructor Marguerite Kise and it will explor Ethical Engagement; the basis for Mutuality and Co-Creation; How to build relatio importance of building multilingual spaces in social justice/migrant justice work will invite different community educators and leaders, as well as visit different Philadelphia. The class will be taught in Spanish and English. Pre-requisite(s): Fulfilled Language Requirement with Spanish, or instructor cons	. The class e different nships of tr , among othe organizatio	will be t themes, i cust and l ers. Throu	aught by P ncluding: eadership; ghout the	rofessor what is and the semester, w	
	Enrollment Limit: 15.00 Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World 2691 001 1.0 Lina Maria Martinez Hernandez	Humanities T	7:30PM	9:55PM		0
SPAN	H250A Quixotic Narratives This course proposes a bilingual reading of Miguel de Cervantes' famous novel, El Mancha. The adventures of Don Quijote and Sancho Panza force readers to probe the life and art. How do we know when something is true? What happens when fictions, with the truth? What role does art play in catalyzing this desire to transform th will be largely in Spanish with the option of reading the novel in translation an either Spanish, English or Spanglish. Please be advised: Students who wish to rec must complete course readings and assignments in Spanish. This course fulfills th Crosslisted: Spanish, Comparative Literature. Enrollment Limit: 25 Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, Ibe 2261 001 1.0 Luis Rodriguez-Rincon	fraught and dreams, or c e world? Cou d participat eive credit e "pre 1898"	d circular putright l arse readi ting in co towards a ' requirem	relations ies become ngs and di urse discu SPAN majo ent.	hip between confused scussion ssion in	0
SPAN	H338A "I Need a Hero": Chivalric Sagas in Late Medieval Iberian Literatures and					-
	Cultures This course explores the rich tradition of chivalric literature in late medieval sociocultural and literary significance of chivalric literature in Iberia through de geste, ballads, chivalric romance, and legends from the 13th-16th century. The chivalric genre, such as courtly love, honor, knightly conduct, revenge, adventur creation, and the origins of the novel. Pre-requisite(s): 200-level, placement exam at the 300 level, or instructor conse	a wide rang course eval es, warfare,	ge of text uates the	s, includi mes cardin	ng chanson al to the	

Pre-requisite(s): 200-level, placement exam at the 300 level, or instructor consent

Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld					
	Lottery Preference: None										
	Enrollment Limit: 15.00										
	Attributes: A: Meaning, Interpretation (Texts) Humanities Latin American, Ib	erian, and	Latinx Stud	ies							
	2683 001 1.0 Roxanna Colón-Cosme	M W	11:30AM	12:55PM		0					
AN	H360A Learning-Teaching a Foreign Language										
	This course is designed for the advanced student of Spanish, who is interested i	n the proce	sses involv	ed in learm	ning a						
	foreign language, and/or contemplating teaching it. This course is conducted in	Spanish.									
	Crosslisted: Spanish, Education										
	Prerequisite(s): One 200-level course, or instructor consent										
	2262 001 1.0 Ana López-Sánchez	T Th	11:30AM	12:55PM		0					
PAN	H490A Senior Departmental Studies										
	The course will consist of two one-semester parts. The first, taken in the fall					-					
	under the supervision of one Spanish department faculty member. Students will al			-							
	department (potential thesis directors). The purpose of this seminar is to prepa				2						
	their senior theses by 1) enhancing and refining the reading tools and critical		-								
	texts; 2) elucidating and contextualizing relevant aspects of literary history,				-						
	thesis topic, key secondary sources and approach to be deployed in writing the t										
	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										
	works of criticism or theory. The second semester will involve the process of writing the thesis under the supervision of										
	individual professors.										
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	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World	Humaniti	es			0					
መአመ	Attributes: A: Meaning, Interpretation (Texts) B: Analysis of the Social World 1323 001 1.0 Ariana Huberman	Humaniti	es			0					
TAT	Attributes: A: Meaning, Interpretation (Texts)B: Analysis of the Social World13230011.0H203AStatistical Methods and their Applications			ers descrit		0					
TAT	Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World         1323       001       1.0         Ariana Huberman         H203A       Statistical Methods and their Applications         An introduction to statistical methods used to analyze data in the natural and s	ocial scien	ces. It cov	-		-					
TAT	Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World         1323       001       1.0         Ariana Huberman         H203A       Statistical Methods and their Applications         An introduction to statistical methods used to analyze data in the natural and s         statistics, the binomial and normal distributions, expected value and variance,	ocial scien confidence	ces. It cov intervals a	nd hypothes	sis testing	3,					
TAT	Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World         1323       001       1.0         Ariana Huberman         H203A       Statistical Methods and their Applications         An introduction to statistical methods used to analyze data in the natural and s         statistics, the binomial and normal distributions, expected value and variance, comparison of two samples, regression, and analysis of variance. A required comp	ocial scien confidence	ces. It cov intervals a	nd hypothes	sis testing	3,					
TAT	Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World         1323       001       1.0       Ariana Huberman         H203A       Statistical Methods and their Applications         An introduction to statistical methods used to analyze data in the natural and s         statistics, the binomial and normal distributions, expected value and variance, comparison of two samples, regression, and analysis of variance. A required comp course.	ocial scien confidence	ces. It cov intervals a	nd hypothes	sis testing	3,					
TAT	Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World         1323       001       1.0       Ariana Huberman         H203A       Statistical Methods and their Applications         An introduction to statistical methods used to analyze data in the natural and s         statistics, the binomial and normal distributions, expected value and variance, comparison of two samples, regression, and analysis of variance. A required comp course.         Crosslisted: Mathematics, Statistics	ocial scien confidence uter lab, u	ces. It cov intervals a sing R, is	nd hypothes taught alor	sis testing ngside this	3,					
TAT	Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World         1323       001       1.0       Ariana Huberman         H203A       Statistical Methods and their Applications         An introduction to statistical methods used to analyze data in the natural and s         statistics, the binomial and normal distributions, expected value and variance,         comparison of two samples, regression, and analysis of variance. A required comp         course.         Crosslisted: Mathematics, Statistics         Prerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instr	ocial scien confidence uter lab, u uctor conse	ces. It cov intervals a sing R, is nt. Student	nd hypothes taught alor s who have	sis testing ngside this taken	3,					
TAT	Attributes: A: Meaning, Interpretation (Texts)       B: Analysis of the Social World         1323       001       1.0       Ariana Huberman         H203A       Statistical Methods and their Applications         An introduction to statistical methods used to analyze data in the natural and s         statistics, the binomial and normal distributions, expected value and variance, comparison of two samples, regression, and analysis of variance. A required comp course.         Crosslisted: Mathematics, Statistics	ocial scien confidence uter lab, u uctor conse	ces. It cov intervals a sing R, is nt. Student	nd hypothes taught alor s who have	sis testing ngside this taken	3,					
TAT	Attributes: A: Meaning, Interpretation (Texts)B: Analysis of the Social World13230011.0Ariana HubermanH203AStatistical Methods and their ApplicationsAn introduction to statistical methods used to analyze data in the natural and sstatistics, the binomial and normal distributions, expected value and variance,comparison of two samples, regression, and analysis of variance. A required compcourse.Crosslisted: Mathematics, StatisticsPrerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instranother introductory statistics course at Haverford or Bryn Mawr may only enroll	ocial scien confidence uter lab, u uctor conse in STAT 20	ces. It cov intervals a sing R, is nt. Student 3 with inst	nd hypothes taught alor s who have	sis testing ngside this taken	J,					
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FAT	Attributes: A: Meaning, Interpretation (Texts)B: Analysis of the Social World13230011.0Ariana HubermanH203AStatistical Methods and their ApplicationsAn introduction to statistical methods used to analyze data in the natural and sstatistics, the binomial and normal distributions, expected value and variance,comparison of two samples, regression, and analysis of variance. A required compcourse.Crosslisted: Mathematics, StatisticsPrerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instranother introductory statistics course at Haverford or Bryn Mawr may only enrollEnrollment Limit: 20Attributes: C: Physical and Natural ProcessesHealth StudiesNatural Science	ocial scien confidence uter lab, u uctor conse in STAT 20 <i>Quantita</i>	ces. It cov intervals a sing R, is nt. Student 3 with inst <i>tive</i>	nd hypothes taught alor s who have ructor cons	sis testing ngside this taken	9, 5					
	Attributes: A: Meaning, Interpretation (Texts)B: Analysis of the Social World13230011.0Ariana HubermanH203AStatistical Methods and their ApplicationsAn introduction to statistical methods used to analyze data in the natural and sstatistics, the binomial and normal distributions, expected value and variance,comparison of two samples, regression, and analysis of variance. A required compcourse.Crosslisted: Mathematics, StatisticsPrerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instranother introductory statistics course at Haverford or Bryn Mawr may only enrollEnrollment Limit: 20Attributes: C: Physical and Natural Processes Health Studies Natural Science13580011.0Lynne M. Butler135900A.0Lynne M. Butler	ocial scien confidence uter lab, u uctor conse in STAT 20 <i>Quantita</i> M W	ces. It cov intervals a sing R, is nt. Student 3 with inst <i>tive</i> 2:30PM	nd hypothes taught alor s who have ructor cons 3:55PM	sis testing ngside this taken	0					
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	Attributes: A: Meaning, Interpretation (Texts)B: Analysis of the Social World13230011.0Ariana HubermanH203AStatistical Methods and their ApplicationsAn introduction to statistical methods used to analyze data in the natural and sstatistics, the binomial and normal distributions, expected value and variance,comparison of two samples, regression, and analysis of variance. A required compcourse.Crosslisted: Mathematics, StatisticsPrerequisite(s): MATH 118 or higher, placement into MATH 121 or higher, or instranother introductory statistics course at Haverford or Bryn Mawr may only enrollEnrollment Limit: 20Attributes: C: Physical and Natural Processes Health Studies Natural Science13580011.0Lynne M. Butler135900A.0Lynne M. ButlerH361AApplied Multivariate Statistical Analysis.An introduction to multivariate statistical analysis. The course includes method	ocial scien confidence uter lab, u uctor conse in STAT 20 <i>Quantita</i> M W F s for choos	ces. It cov intervals a sing R, is nt. Student 3 with inst <i>tive</i> 2:30PM 2:30PM ing, fittin	nd hypothes taught alor s who have ructor cons 3:55PM 3:55PM g, and eval	sis testing ngside this taken sent Luating	0					
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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.

technology of the second	Subject	Cat Nbr ClNbr Sctn Crd Instructor(s)	Days	Start	End	Room	Enrld						
Interpretative spression Humanities Visual Studies         N N         10:00AN         11:25AM         0           37         Mills         Disk Visual Culture: an inadequate survey of the late 19th 0.20th centuries         N N         10:00AN         11:25AM         0           37         Mills         Disk Visual Culture: an inadequate survey of the late 19th 0.20th centuries         N N         10:00AN         11:25AM         0           37         Mills         Disk Visual Culture: an inadequate survey of the late 19th 0.20th centuries         N N         10:00AN         11:25AM         0           37         Mills         Disk New Not Forest visual Culture: an inadequate survey of the late 19th 0.20th centuries         N N         10:00AN         11:25AM         0           37         Mills         Disk New New See Disk New New See Disk New Yee Search 20th 20th 10:00AN         N N         10:00AN         11:25AM         0           37         Mills         This course seeks to ask the question of AVIVAL Media         N N         10:00AN		Enrollment Limit. 8											
Attributes: A: Creative Expression Attained Wash     N W     10:00AM     11:25AM     0       57     H133     block visual culture: an inadequate survey of the late 19th to 20th centuries     N W     10:00AM     11:25AM     0       57     H134     block visual culture: an inadequate survey of the late 19th to 20th centuries     N W     10:00AM     11:25AM     0       58     H135     block visual culture: an inadequate survey of the late 19th to 20th centuries     N W     10:00AM     11:25AM     0       59     H135     block visual culture: an inadequate survey of the late 19th to 20th rest in the late 10:00A     This course seeks to ask the question: Row do we are blockness? How have we learned to see the thing we're always surrounded by and have so may puestions of Thew do we we blockness through the visual and/as the racial? Must if blockness uses the rest in the late 10:00A     This course seeks to ask the question of Thew do we we blockness through the visual and/as the racial?       50     H131     The bure of Inages: Religion and Visual Redie This course seamings: Religion and Visual Redie This course seaming interpretation (fexts)     Arrians to abstractions, found objects and beautiful writing to understand the power of ascred inagery. We will examine format from medieval manuscripts and paintain interiors, deity iccus in Crossilsted ivers.     The iscure and shared in the seamine interpretation (fexts)       57     H132     Interdoction to Visual Brodies     The iscure and shared interpretation (fexts)     The iscure an iscure and shared interpretation (fex													
2127       001       1.0       of histock kase       N W       10:00AW       11:25AM       0         ST       Hilds       black visual cultures: an inadequate survey of the fate Jeth to 20th centuries       State ourse seeks to ask the question: Row do we see blackness through the visual and/as the racial? Must if blackness uses the racial-visual to be known but reluess to be seen and regresented as easily? Must do we do the?       Interview of the culture is a float of this year students; preferences for VIST Minors Enclinement it: the curse transfer interpretation (Petro) Arricana Studies Humanities Visual Studies 1/20       1:30PM       3:55PM       0         ST       Hilds       The curse of mages: Belgich and Visual Studies (1/20)       1:30PM       3:55PM       0         ST       Hilds       The curse of mages: Belgich and Visual Studies (1/20)       1:30PM       3:55PM       0         ST       Hilds       The curse of mages: Belgich and Visual Studies (1/20)       1:30PM       3:55PM       0         ST       Hilds       Curse examines representations from figural forms to abstractions, found objects and beautiful writing to understand the power of sacred inager, Weill examine forms figural forms to abstractions, found bindted value to films, punctures, and abstract and studies inpacts and power of sacred inager, Weill examines on medicval manuscripts and pulticed value to films, punctures, additure films of visual Studies Curses listed: Visual Studies inpacts and power of sacred inager, Weill examine found tower power sacred inages in pudchist monastite oxplass and topolac													
technology of the second		-	ΜW	10:00AM	11:25AM		0						
This course sext to ask the question: How do we see blackness? How have we learned to see the thing we're always surrounded by and have so many questions of? How do we know blackness through the visual and/set the recise? What do we do then?       Interpretation of? How do we know blackness through the visual and/set the recise? What do we do then?       Interpretation (Fexts) Africans Studies Humanities Visual Studies       Interpretation (Fexts) Humanities Visua	IST	H113A black visual culture: an inadequate survey of the late 19th to 20th											
<ul> <li>by and have so many questions off: Ex do we know blackness through the visual and/ss the racial? What if blackness uses the racial-visual to be know but refuses to be seen and represented so easily? What do we do then?</li> <li>Lottery Preference: 5 slots for first year students; preferences for VIST Minors</li></ul>		centuries											
racial-wisual to be known but refuses to be seen and represented so easily? What do we do then? Lettery Preference: S solats for first year students; preferences for VIST Minors Enrolment Limit: 25.00 Attributes: A: Meaning, Interpretation (Texts) Africana Studies Humanities Visual Studies 1/29 001 1.0 troirel xx Carr T <u>T 1:30PM</u> 3:55PM 0 <b>37 H131 The Lore of Images: Religion and Visual Media</b> This course examines representations from flyural forms to abstractions, found objects and beautiful writing to understand the power of sacred imagery. We will examine formatife visual studies and painted wills to films, panoramas and comic books to observe the dynamics that emerge among viewers and images in spatial contexts ranging from alter pieces, sculpture, stained glass and painting in neo-Osthic churches, calligraphy in mosque and shrine interiors, deity lecons in Hindu temples and potent fabrics in Buddhist monastic complexes. Crosslisted: VIST. Enrollment Limit: 35.00 Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies 1627 001 1.0 Pika Ghosh T Th 11:30AM 12:55FM 0 <b>57 H142A Introduction to Visual Studies</b> 1627 001 1.0 Enk aGhosh T Th 11:30AM 12:55FM 0 <b>50</b> Interpretation of community and also an examination of the ubiquity of images of all Kinds, their systems of transmission, their points of communities Visual Studies 1630 11:0 Enk dhosh T Th 10:00AM 11:25AM 0 <b>50</b> Ottary Preference(3): 151 Other declared Visual Studies minors 2.1 Other declared Visual Studies minors 2.1 Other declared Visual Studies minors 2.1 Other declared Visual Studies Minors (Texts) Humanities Visual Studies 1534 001 1.0 Enly Tevera- Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies 1539 001 .5 Deltered for incoming first years Attributes: A: Meaning, Interpretation Visual Studies 1639 001 .5 Deltered visual Studies 1639 001 .5 Deltered visual Studies 1639 001 .5 Deltered visual Studies 1639 001 .5 Duvid Maxison Mether event scores from performance attrist o		1		2	-								
Lottery Freference: S slots for first year students; preferences for VIST Minors         Barchiment Limit: 25.00         Attributes: A: Meaning, Interpretation (Texts) Africans Studies Humanities Visual Studies T 1230 001 1.0 toriel xx Cart       T 1:30PM 3:55PM 0         ST       Hi31A The Lure of Images: Religion and Visual Media       T 1:30PM 3:55PM 0         ST       Hi31A The Lure of Images: Religion and Visual Media       T 1:30PM 3:55PM 0         Statistics representations from figural forms to abstractions, found objects and beautiful writing to understand the power of sacred imagers (manger Visual and images in sputial contexts ranging from altar pieces, sculpture, stained glass and painting in neo-ochic churches, calligraphy in mosque and shrine interiors, deity icons in Hindu temples and potent faints modulist monastic complexes.         Crosslisted; VIST.       Enrollment Limit: 35.00       T 11:30AM 12:55PM 0         ST       Hi42A Introduction to Visual Studies       T 11:30AM 12:55PM 0         ST       Hi42A Introduction to the trans-disciplinary field of Visual Studies, its methods of analysis and topical concerns. Traditional media and artifacts of art history and film theory, and also an examination of the ubiquity of images of all kinds, their systems of transmission, their points of consumption, and the very limits of visual Studies 1364 001 1.0 E mity Tears-long       T 1:0:00AM 11:25AM 0         ST       Hi45E Some Assembly Required: Designing Objects of Play.       T 1:0:00AM 11:25AM 0         ST       Hi45E Some Assembly Required: Designing Objects of Play.       T 1:0					f blacknes	s uses the							
Enrollment Limit: 25.00       Africana Studies Rumanities Visual Studies T       T       1:30PM       3:55PM       0         37       Hills The Line of Tanges: Religion and Visual Media       T       1:30PM       3:55PM       0         37       Hills The Line of Tanges: Religion and Visual Media       T       1:30PM       3:55PM       0         37       Hills The Line of Tanges: Religion and Visual Media       T       1:30PM       3:55PM       0         37       Hills The Line of Tanges: Religion and Visual Media       T       1:30PM       1:30PM       0         37       Hills the observe the dynamics that emerge among viewers and images in spatial contexts ranging from altar pieces, sculpter, stained glass and painting in neo-Ostic churches, calligraphy in mosque and shrine interiors, deity icons in Nindu temples and painting in neo-Ostic churches, calligraphy in mosque and shrine interiors, deity icons in Nindu temples and painting in neo-Ostic complexes.       0         Crosslited: VISI.       Tr.       Diricoducto to Visual Studies       1       0         37       Hild Throcoticn to Visual Studies       T The 11:30AM       12:55PM       0         37       Hild Status of art history and file theory, and also an examination of the ubguity of images of all kinds, their systems of transmission, their points of consumption, and the very limits of visual Studies       1       1:0:00M       1:1:25PM       0			do we do tl	hen?									
Attributes: A: Meaning, Interpretation (Texts) African Studies Humanities Visual Studies       1130M       3155PM       0         ST       Hi31A       The Larce of Images: Religion and Vinul Media Chic course examines representations from figural forms to abstractions, found objects and beautiful writing to understand the power of sacred imagery. We will examine formats from medieval manuscripts and painted walls to films, panoramas and comic books to observe the dynamics that emerge among viewers and images in spatial contexts ranging from altar pieces, sculpture, stained glass and painting in neo-Gothic churches, calligraphy in mosque and shrine interiors, deity icons in Hindu tamples and potent fabrics in Buddhist monastic complexes.       0         ST       Hi42A       Introduction to Visual Studies 1627 001 1.0 Pika Ghooh       T Th 11:30AM 12:55PM 0         ST       H42A       Introduction to Visual Studies 1627 001 1.0 Pika Ghooh       T Th 11:30AM 12:55PM 0         ST       H42A       Introduction to Visual Studies 1627 001 1.0 Pika Ghooh       T Th 11:30AM 12:55PM 0         ST       H42A       Introduction to Visual Studies 1627 001 1.0 Pika Ghooh       T Th 11:30AM 12:55PM 0         ST       H42A       Introduction to Visual Studies minors 2.) Other declared Visual Studies minors 3.) Other declared Visual Aret presention to problem of isolation? Crosslisted: Independent College Programs, Visual Studies 1036 001 1.0 Emily Teera-long       T Th 10:00AM 11:25AM 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
1729     001     1.0     tristel xx Car     T     1:30FM     3:55FM     0       ST     H313     The tore of Images: Religion and Visual Media     This course from floured from floural forms to abstractions, found objects and beautiful writing to understand the power of sacred imagery. We will examine formats from medieval manuscripts and painted walls to flams, panorames and comic books to observe the dynamics that emerge among viewers and images in spatial contexts ranging from altar pieces, sculpture, stained glass and painting in neo-Gottic churches, calligraphy in mosque and shrine interiors, deity icons in Hindu temples and potent fabrics in Buddhist monastic complexes.     T     Th     11:30AM     12:55FM     0       ST     H42A     Introduction to Visual Studies     T     Th     11:30AM     12:55FM     0       ST     H42A     Introduction to Visual Studies     T     Th     11:30AM     12:55FM     0       ST     H42A     Introduction to Visual Studies     T     Th     11:30AM     12:55FM     0       ST     H42A     Introduction to the trans-disciplinary field of Visual Studies is to methods of analysis and topical concerns. Traditional media and artifacts of art history and film theory, and also an examination of the ubiquity of images of all kinds, their systems of transmission, their points of consumption, and the very limits of visuality itself.     Crosslisted: Visual Studies minors     2.) Other declared Visual Studies minors     2.) Other declared Visual Studies minors     2.) Other declared Visual Studi			Viewel Ctu	diaa									
ST       H131A       The Lors of Images: Religion and Visual Media         This course examines representations from figural forms to abstractions, found objects and beautiful writing to understand the power of sacred imagery. We will examine formats from medieval manuscripts and painted walls to films, panoramas and comic books to observe the dynamics that emerge among viewers and images in spatial contexts ranging from altar pieces, sculptere, stained glass and painting in mee-Gothic churches, calligraphy in mosque and shrine interiors, deity icons in lindu temples and potent fabrics in Buddhist monastic complexes. Crosslisted: V187.         Brollment Limit: 35.00       Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies information to the trans-disciplinary field of Visual Studies, its methods of analysis and topical concerns. Traditional media and artifacts of art history and film theory, and also an examination of the ubiquity of images of all kinds, their systems of transmission, their points of consumption, and the very limits of visuality itself. Crosslisted: Visual Studies, Fine Arts, Comparative Literature Enrollment Limit: 25         Jother Visual Studies minors       3. Other declered Visual Studies minors         3. Other declered Visual Studies minors       3. Spaces reserved for incoming first years         Attributes: A: Remainds, remeted digital dariestion, their polytics to problems of isolation?       The 10:00AM 11:25AM 0         ST       H445       Some Assembly Required: Designing Objects of Play         Emphasizing digital design and remote digital fabrication, this course invites students to think critically about objects of play. Mata materials are used in toy design? Mata ret menyinomm					2.55DM		0						
This course examines representations from figural forms to abstrations, found objects and beautiful writing to understand the power of sacred imagery. We will examine formats from medieval manages in spatial contexts ranging from alter pieces, sculpture, stained glass and painting in neo-Gothic churches, calligraphy in mosque and shrine interiors, deity icons in Hindu temples and potent fabrics in Buddhist monastic complexes.         Crosslisted: VIST.       Enrollment Limit: 35.00         Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies       T Th 11:30AM 12:55PM 0         ST       H142 Interduction to Visual Studies         An introduction to the trans-disciplinary field of Visual Studies, its methods of analysis and topical concerns. Traditional media and artifacts of art history and film theory, and also an examination of the ubiquity of images of all kinds, their systems of transmission, their points of consumption, and the very limits of visuality itself.         Crosslisted: Visual Studies, Film Arts, Comparative Literature Enrollment Limit: 25       D         Binde and artifacts of lice minors       Signed reserved for incoming first years         1.) Other declared Visual Studies minors       T h 10:00AM 11:25AM 0         5.) Other declared Visual Studies intory design? Mwanities Visual Studies       T h 10:00AM 11:25AM 0         57       H145E Some Assembly Required: Designing Objects of Flay       T h 10:00AM 11:25AM 0         57       H145E Some Assembly Required: Designing Objects of Flay       T h 1:30PM 3:55PM 0         58       Attributes: A: Creative Exp			l	I:JUPM	3:JJPM		0						
the power of sacred imagery. Ne will examine formats from medieval manuscripts and painted walls to films, panoramas and comic books to observe that emerge among viewers and images in spatial contexts ranging from altar pieces, sculpture, stained glass and painting in neo-Gothic churches, calligraphy in mosque and shrine interiors, deity icons in Hindu temples and potent fabrics in Buddhist monastic complexes.         Crosslisted: VIST.       Encolment Limi: 15.00         Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies       11:30AM 12:55FM 0         ST       H142A Introduction to Visual Studies         An introduction to Visual Studies, file of Visual Studies, its methods of analysis and topical concerns. Traditional media and artifacts of art history and film theory, and also an examination of the ubiquity of images of all kinds, their systems of transmission, their points of consumption, and the very limits of visuality itself.         Crosslisted: Visual Studies minors       5 spaces reserved for incoming first years         3164       001 1.0 Emily Teera-stong       T Th 10:00AM 11:25AM 0         ST       H1455 Some Assembly Required: Designing Objects of Play         Emphasizing digital design and remote digital fabrication, this course invites students to thick critically about objects of play help us imagine solutions to problems of isolation?         Crosslisted: Visual Studies       1:30FM 3:55FM 0         ST       H1458       H125 Some Assembly Required: Design Mission         154       01 1.0 Emily Teera-stong       M 1:30FM 3:55FM 0	IST		tooto and l	a a sut i ful	iting to u	dowetond							
<ul> <li>conic books to observe the dynamics that emerge among viewers and images in spatial contexts ranging from altar pieces, sculpture, stained glass and painting in neo-othic churches, calligraphy in mosque and shrine interiors, deity icons in Hindu temples and potent fabrics in Buddhist monastic complexes.         Crosslisted: VIST.         Enrollment Limit: 35.00         Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies         1627 001 1.0 Pike Ghosh T Th 11:30AM 12:55PM 0     </li> <li>Th 142A Introduction to the trans-disciplinary field of Visual Studies, its methods of analysis and topical concerns. Traditional         media and artifacts of art history and film theory, and also an examination of the ubiquity of images of all kinds, their         systems of transmission, their points of consumption, and the very limits of visuality itself.         Crosslisted: Visual Studies minors         1.) Other declared Visual Studies minors         1.364 001 1.0 Emily Teera-Hong         Th 10:00AM 11:25AM 0     </li> <li>TH 10:00AM 11:25AM 0     </li> <li< td=""><td></td><td>· · · · ·</td><td>2</td><td></td><td>2</td><td></td><td></td></li<></ul>		· · · · ·	2		2								
<ul> <li>sculpture, stained glass and painting in neo-Octhic churches, calligraphy in mosque and shrine interiors, deity icons in Hindu temples and potent fabrics in Buddhist monastic complexes. Crosslisted: VIST. Enrollment Limit: 35.00 Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies 1627 001 1.0 Pika Ghosh T Th 11:30AM 12:55PM 0</li> <li>TH 12 Introduction to Visual Studies An introduction to the trans-disciplinary field of Visual Studies, its methods of analysis and topical concerns. Traditional media and artifacts of art history and film theory, and also an examination of the ubiquity of images of all kinds, their systems of transmission, their points of consumption, and the very limits of visuality itself. Crosslisted: Visual Studies, Fine Arts, Comparative Literature Enrollment Limit: 25 Lottery Preference(s): 1.) Senior Visual Studies minors 2.) Other declared Visual Studies minors 3.) Other declared Visual Studies minors 3.) Other declared Visual Studies minors 4.) Other declared Visual Studies minors 5. spaces reserved for incoming first years Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies 1364 001 1.0 Emily Tera-Hong T Th 10:00AM 11:25AM 0</li> <li>TH15E Some Assembly Required: Designing Objects of Play Emphasizing digital design and remote digital fabrication, this course invites students to think critically about objects of play. Mhat materials are used in toy design? What are the environmental implications of mass production? How can thinking about communities of play help us imagine solutions to problems of isolation? Crosslisted: Independent College Programs, Visual Studies Enrollment Limit: 8 Attributes: A: Creative Expression Visual Studies 1639 001 .5 David Watson M 1:30PM 3:55PM 0</li> <li>TH28 experiments with 605 performance: Fluxus Arts Workshop In this workshop course, we will reenact event scores from performance attists of the 1960s, including primary sources from Yoko Ono, Adrian Fiper, Alison</li></ul>			-										
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1627     001     1.0     Pika Ghosh     T Th     11:30AM     12:55PM     0       ST     H12A     Introduction to Visual Studies       An introduction to the trans-disciplinary field of Visual Studies, its methods of analysis and topical concerns. Traditional media and artifacts of art history and film theory, and also an examination of the ubiquity of images of all kinds, their systems of transmission, their points of consumption, and the very limits of visuality itself.     Crosslisted: Visual Studies, Fine Arts, Comparative Literature Enrollment Limit: 25     Introduction to the transmission, their points of consumption, and the very limits of visuality itself.     Visual Studies, Fine Arts, Comparative Literature Enrollment Limit: 25     Introduction to Visual Studies minors     Visual Studies													
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VIST	H232A blaqueer eye: the look and feel of real Beginning with behind-the-scenes documentary of a female illusionist pageant T cancellation of HBO's ballroom reality television competition show Legendary of textured lives of gender and sexually creative African descendants in the U.S. 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	(2021), this co . and how their	ourse finds c lives have	interest in been tran:	n the	
	Studies 2140 001 1.0 troizel xx Carr	Th	1:30PM	3:55PM		0
VIST	H235A Narrative Digital Production - From Screenplay to Finished Video In this course will learn the technical fundamentals of planning and creating product. We will focus on creating screenplays and storyboards; planning arour life, and editing footage into a finished video to share. We will be utilizing found in VCAM while discussing how to streamline video production logistics su Lottery Preference: VIST minors first, second year students second. Enrollment Limit: 12.00 Attributes: A: Creative Expression Humanities Visual Studies	nd bringing the g screenplay ag	e pre-produc oplications	and editing	ials to g software	
/IST	2685 001 1.0 Charles Woodard H266A Sensory Ethnographic Methods	M W	1:00PM	2:25PM	VCAM101	0
	Through this course, students will develop ethnographic research and writing s sight, sound, smell and feeling) to evoke people, places, and things. Assignme additional fieldwork and multimodal (e.g. photography, film) exercises. Crosslisted: Anthropology, Visual Studies Prerequisite(s): Any Anthropology course Enrollment Limit: 15 Lottery Preference(s): Equal priority to Anthropology and Visual Studies stude Attributes: B: Analysis of the Social World Social Science Visual Studies 1865 001 1.0 Emily Teera-Hong	ents are prima				0
VIST	H267A Beauty Problems: Rhetoric, Aesthetics, Philosophy This course will examine a series of problems that beauty and other sensuous p contemporary art. Works will include those of Plato, Immanuel Kant, Friedrich Elaine Scarry, Rosemarie Garland-Thomson, Fred Moten and others. Attributes: A: Meaning, Interpretation (Texts) Humanities Visual Studies 2141 001 1.0 John Hancock Muse		-			0
VIST	H270A The Art of Sports: Ancient and Modern This course explores the visual and poetic life of sports, ancient and modern. visual analysis, and historical study to theorize the beauty of athletics. Cor performance, and tropes such as "for the love of the game," "feel for the game work on the sensory and aesthetic dimensions of sports. No prior expertise in Crosslisted: COML,VIST. Enrollment Limit: 25.00 Attributes: A: Meaning, Interpretation (Texts) Africana Studies B: Analysis Studies Humanities Visual Studies	ncepts of the b e" and "poetry classics, art	oody, gender in motion" or sports r	r, race and will organ: hecessary.	ize our	
	2659 001 1.0 Ava Shirazi	Т	7:30PM	9:55PM		0

documentary filmmaking through an exploration of race onscreen. The objective of the course is to enable students to build a

Subject	Cat Nbr ClNbr	Sctn Cr	d Instructor(s)				Days	Start	End	Room	Enrld
	explore how s watch and stu read/watch fi progress) and Crosslisted:	students car dy a wide v lmmaker int l seminar (c VIST.	h challenge suc variety of inno cerviews. Class discussing wee}	ch film and media ch representation ovative documenta ses will combine cly themes).	s through their ry films that br elements of a st	own filmmakin ing alternati udio (sharing	g practic ve voices and crit	es. As insp and histo: iquing film	piration, ries to sc nmaking wc	we will reen and	
	Enrollment Li	mit: 12.00 A: Creative		3: Analysis of th		-	-	al Studies 1:00PM	2:25PM		0
VIST	H276A Glob	al Media									
	consumption. attention giv practice have the contempor Crosslisted: Pre-requisite	Drawing on ren to media been funda cary world. ANTH, VIST e(s): 100-le	ethnographic s a by anthropolo amental to the evel course in	approach to exami studies from arou gists. It examin formation and tr social sciences, gy students have	nd the world, it es cross-cultura ansformation of or humanities.	provides an lly how media subjectivitie	overview as repre s, collec	of the inc: sentation a	reasing th and as cul	eoretical tural	
	Enrollment Li	mit: 25.00		-							
	Attributes: E	B: Analysis	of the Social	World Social S	cience						
	1863	001 1.	.0 Zeynep Ser	tbulut			T Th	11:30AM	12:55PM	Ι	0
VIST	H399A Caps	tone for Vi	sual Studies M	linors							
	archival rese Prerequisite( Enrollment Li Attributes: H	earch, analy (s): Visual (mit: 12 Numanities	ysis of visual Studies minor Visual Studie				fall seme	ester of ser	nior year.		0
	1363		.0 Erin Schon	evela			W	1:30PM	3:55PM		0
VIST	Independent S	-	-								
		001 1.									0
WRPR	This course c materials. We identity. We The different	considers st begin by e then consid positions a of intere college Writ	tudents fluid mexamining how of der how identit that experts h est in a possib	vironment, and In celationship to i lifference is per ties exist in the lave taken serves ble prospective m	dentities that t ceived/obscured/ physical enviro as a model, fin	hey examine, challenged an nment and how ally, for stu	d/or brid environm dents to	lged in cons ent affects enter anoth	structions s these id her schola	of lentities. rly debate	
			0								0
	1369										0
	1370										0
WRPR	This semester internet. We and the Cultu Pre-requisite	will do the will do the are of Web A e(s): Placer erence: Only	ls by investiga Activism (somet nent by Directo	Culture critically and ting three major times referred to or of College Wri tyear students a	areas of intern as Slacktivism) ting.	et culture: C.	ancel or	Call-Out Cu			
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bject	Cat Nbr	ClNbr	Sctn	Crd	Instructor(s)				Days	Start	End	Room	Enrld
		1385	001	1.0									0
		1386	002	1.0									0
PR	H106A	Femini	sm Bef	ore S	uffrage								
	Long bet	fore the	y secu	ired t	the right to v	vote, women in t	he United States	were actively	y engaged	d in an ar	ray of pol:	itical and	
	social d	debates	from a	abolit	ion and labor	reform to marr	iage and Indigen	ous sovereignt	ty. In th	nis course	we'll exp	lore this	
	-				-		ways in which we	omen writers f	from 1776	5-1920 con	tested and	asserted	
					ass, and citiz	-							
	-				nt by the Dire	ector of College	Writing.						
	Enrollme												0
		1442	001										0
		1443		1.0									0
PR	H118A				bility and Di				_				
						2	nterrogative gest		-	, <u> </u>		-	
	-	2		2			gible, order what	-	<b>-</b> ·		2		
			-				and self-portrait told about these		-				
							life writing and				-		
					2		nce? Open only to	-			5		
	College			DOGTI	aisabiii	.cy, and arriere.	nee. open only e	J IIISC year s	Seddenes	as assign	ca by the i	DILCCCOL OI	
	Enrollme												
		1371	001	1.0									0
PR	H120A	Evolut	ionary	Argu	ments								
	From the eugenics movement of the early twentieth century to the present, scientists, ethicists, disability activists, and												
	others h	nave arg	jued ab	out t	he uses of in	creasingly soph	isticated technol	logies for pre	eventing	certain i	nherited t:	raits and	
	enhancir	ng other	s. We	will	track represe	entative argumen	ts in ethics, the	e court, socia	al moveme	ents, and g	popular cui	lture. How do	
	these me	edical t	echnol	ogies	s intersect wi	th cultural val	ues and beliefs?	How do they i	influence	e who will	be include	ed in the	
	human co	ommunity	/?										
				ar st	udents as ass	signed by the Di	rector of College	e Writing.					
	Enrollme												
		1682		1.0									0
RPR	H125A	-				Critical Univer	-						
							e higher educatio				rtunity to	explore such	
		-	2		2		political-econom:	ic, and cultur	ral insti	Ltution.			
	-				-	ector of College	writing.						
	Enrollme			iturre	ed to first ye	ar students.							
	FULOTIUE			1.0									0
		1441		1.0									0
PR	H142A				a. Basa ( Tat	imacy in America	n Discourse						0
PK							filmic depiction	of transcor	nding ty	conservest	na and wi	alating	
							eflect and what		5.	2	2.		
				-			h transgressive a					-	
	5		-				se discourses pla	1 2	2				
	and affe			- /	, <u>,</u> .		1 1 1 1 1 1 1 1 1 1 1				1		
	Lottery	Prefere	ence: F	first	year students	s as assigned by	the Director of	College Writi	ing				
			+ 10	0.0	-								
	Enrollme	ent Limi	LL: LZ.										
	Enrollme			1.0									0

Subject	Cat Nbr	ClNbr	Sctn Crd	Instruct	or(s)				Days	Start	End	Room	Enrld
	someone leaders by these	who comm hip throu e questio ively. Op	itted ter gh four f ns, stude	rible atr igures fr nts will o first-y	ocities be r om ancient h hone their a	emembered as istory: Socr bilities in	"the Great ates, Alexa reading cri	stice to achie ?" This course nder the Great tically, debat ector of Colle	e explores , Cicero, ing produ	s the role , and Anth uctively,	and ethics	s of eat. Guided	0
WRPR	this cou the Eng sharing of chara renovat in a va historid decide t students	d like ot urse is g lish lang as they acter and ion these riety of cal perio what lite s as assi ent Limit	eared spe uage. One do common communit are amon genres (e ds. Our g rary text gned by t : 12	ons of th cifically of its a roots in y, and th g the the pic, narr oal is to s mean, b he Direct	e Writing Pr towards int ims is to ex- the history e relation k mes to be tr ative, and p develop the	roducing stu plore the br of our lang etween perso acked throug oetry) and m vocabulary, literary tex	dents to th oad range o uage and it n and place h various s odes (reali skills, ar	ts' critical r e discipline t f thematic int s influences. ; heroic endea trategies of 1 sm, allegory, d knowledge ne and contempla	that stud: cerests in The power avor and t iterary p and roman ecessary t	ies the lim therent in the myster representa- nce), and to underst	terary trad these trad its of land y of evil; tion and in across a ra and not on	ditions of ditions, guage; ideas loss and nterpretation ange of ly how we	n
			001 1.0 002 1.0										0 0
		1374	003 1.0										0
WRPR	today, i question these h Lottery	course, in partic ns: What istories,	we will e ular, how is at sta which el ce: First	xamine th queer pe ke when w ements ar	e influence ople have us e see oursel e emphasized	ed the Class ves in the p , which are	an antiquit ics to defi ast? What d left out?	<b>er Politics</b> y on the way t ne their own i oes it mean to f College Writ	dentities identify	s. There f	ollows a se	eries of	n
			001 1.0										0
WRPR	to goven will the internme even, te Lottery	urse expl rn, espec en consid ent camp echnology Preferen ent Limit	ially dur er primar cases), p (Ruha Be ce: First : 12.00	tension b ing times y sources rotest (M njamin). year stu	etween the l of crisis. that examir artin Luther	Students wil e important King, Jr.),	l first cor concepts re patriotism	protect indiv sider the ques lated to humar (Frederick Do f College Writ	stion, when rights: ouglass),	ere do rig equal pro	hts origina tection in	ate? Students wartime (the	s e
			001 1.0										0
WRPR	Protesta expectat	s values, ant, Jewi	and stre sh, Mormo family "l	sses, as n and Cat	holic, North	ith realitie , South and	West, over	y," e.g.,Nativ time; rituals assigned by t	of birth,	, marriage	, illness,	disability;	
	FULOTIM		001 1.0										0