

Brown New Course Listing

New courses added since Pre-Registration

as of: Jan 24, 2012

For the most up to date course information, see the Banner Schedule at <https://selfservice.brown.edu/>.

201120 - Spring 2012

Africana Studies

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27540	AFRI	1050Q	This seminar examines various examples of creative and poetic non-fiction, pertaining to race and the African American experience. While touching upon historic examples and precedent, emphasis will be on contemporary works, including the genres of poetry, drama, the narrative, the memoir, the travelogue and the personal essay. The course will explore what these works offer to the knowledge, popularization and perception of black history and to the shaping of cultural dialogue on blackness and race. Enrollment limited to 25.	S01	New Narratives in Afr Amer Hist	T 4:00-6:20		Wanda Bayeza
27539	AFRI	1050R	Any class called The History Of Afro Futurism and Black Science Fiction automatically begs the question – "Well, what isn't futuristic about being Black in America?" The entire history of Black America can be seen as a fundamentally futurological and science fictional enterprise – a perpetual biding on hope and struggling for change endeavor that frequently employs far flung visions of tomorrow and other more oblique speculative stratagems in pursuit of outcomes barely foreseeable in the near-present. Enrollment limited to 25.	S01	The History of Afro Futurism	W 3:00-5:20	(14)	Gregory Tate
27538	AFRI	1360	This course will explore the issues of Africana Studies as a discipline by engaging in a series of critical readings of the central texts, which laid the protocols of the discipline. The course will also raise issues of knowledge production and methodologies. This course is a senior capstone seminar. Open to all senior Africana Studies concentrators; others by instructor permission only. Enrollment limited to 25. DVPS LILE	S01	Knowledge, Texts + Methodology	M 3:00-5:20	(13)	Corey D. Walker

Anthropology

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27655	ANTH	1910B	The anthropology of place serves as a unifying theme for the seminar by bridging anthropology's subdisciplines and articulating with other fields of knowledge. Through readings and discussion, students will explore how place permeates people's everyday lives and their engagement with the world, and is implicit in the meanings they attach to specific locales, their struggles over them, and the longings they express for them in rapidly changing and reconfigured landscapes. Enrollment limited to 20.	S01	Anthropology of Place	Th 4:00-6:20	(16)	Patricia Rubertone

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Applied Mathematics

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27536	APMA	28100	This course develops the theory and some applications of stochastic differential equations. Topics include: stochastic integral with respect to Brownian motion, existence and uniqueness for solutions of SDEs, Markov property of solutions, sample path properties, Girsanov's Theorem, weak existence and uniqueness, and connections with partial differential equations. Possible additional topics include stochastic stability, reflected diffusions, numerical approximation, and stochastic control. Prerequisite: APMA 2640	S01	Stochastic Diferentl Equations	TTh 10:30-11:50	(09)	Kavita Ramanan
27589	APMA	28210	The course will contain two related parts. An introduction of different types of a posteriori error estimations for various finite element methods, certified reduced basis method, where a posteriori error estimations play an important role. Emphasize both the theory and implementation. Related Matlab programs. Residual-type, local-problem type, and recovery-type error estimators for conforming, mixed, non-conforming, and discontinuous galerkin finite element methods for different types of equations. Reduced basis methods, offline-online procedure, greedy algorithm, error estimator, empirical interpolation method, and successive constraint method will be discussed. Goal-Oriented primal-dual approach for both FEM and RBM will be covered. Objective: To learn various theoretical and practical results of adaptive finite element methods and reduced basis methods. An organizational meeting will be held on Monday, January 23rd, 2pm - 4pm at 182 George Street, Room 110.	S01	Topics in Posteriori Error	To Be Arranged		Shun Zhang

Biology

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27647 *	BIOL	1941E	This course examines contemporary biotechnologies used to combat the predominant, worldwide problems in human health. Global health will be addressed from the scientific and engineering perspectives while integrating public health policy, health systems and economics, medical and research ethics, and technology regulation and management. This course is intended for graduate and advanced undergraduate students in biology, engineering, or related fields who have an interest in global health initiatives. Expected background: BIOL 0200 and BIOL 0800, or equivalents. Preference will be granted to graduate students in the Biotechnology and Biomedical Engineering programs. Enrollment limited to 20. Instructor permission required.	S01	Biotechnology and Global Health	TTh 4:00-5:20	(16)	Louise E. Darling
27609	BIOL	2210C	Protein synthesis is a fundamental cellular process that is dependent upon the rapid and accurate synthesis of ten to twenty thousand ribosomes per generation to carry out the equally rapid and accurate synthesis of protein. Progress in understanding Ribosome structure and function, Ribosome evolution, Ribosome biogenesis and coordination of cell growth with cell division will be explored using the current literature with weekly student seminars and a final research proposal.	S01	Topics in Cell Quality Control	W 2:30-4:50	(07)	Susan Gerbi
27563	BIOL	3080	No description available.	S34	HIV/AIDS Clinical Care Elect	To Be Arranged		
27545	BIOL	3120	No description available.	S32	Coronary Care Unit	To Be Arranged		
27597	BIOL	3140	No description available.	S34	Clinical Adult Cardiology	To Be Arranged		
27619	BIOL	3170	No description available.	S34	Urgent Care	To Be Arranged		
27600	BIOL	3240	No description available.	S34	Clinical Hematology/Oncology	To Be Arranged		
27564	BIOL	3260	No description available.	S34	Clinical Hematology	To Be Arranged		

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27598	BIOL	3270	No description available.	S34	Clinical Hematology/ Hemostasis	To Be Arranged			
27601	BIOL	3280	No description available.	S32	Clinical Allergy	To Be Arranged			
27645	BIOL	3280	No description available.	S31	Clinical Allergy	To Be Arranged			
27586	BIOL	3507	No description available.	S34	Technion Elective 2	To Be Arranged			
27561	BIOL	3710B	No description available.	S01	Sci + Power: Bioethical Inquiry	To Be Arranged		David Egilman	
27602	BIOL	3790	No description available.	S33	Aging and Dementia	To Be Arranged			
27603	BIOL	3795		S34	Elective Clerkship Neurology	To Be Arranged			
27546	BIOL	3950	No description available.	S32	Orthopedic Surgery	To Be Arranged			
27620	BIOL	3960	No description available.	S34	Orthopedic Surgery	To Be Arranged			
27587	BIOL	3980	No description available.	S32	Hand + Upper Extremity Surgery	To Be Arranged			
27621	BIOL	4020	No description available.	S34	Clin Pediatric	To Be			
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					Anesthesiology	Arranged			
27694	BIOL	4050	No description available.	S32	Longitudinal in Anesthesiology	To Be Arranged			
27604	BIOL	4170	No description available.	S32	Plastic Surgery	To Be Arranged			
27622	BIOL	4170	No description available.	S34	Plastic Surgery	To Be Arranged			
27605	BIOL	4510	No description available.	S33	Pediatric Hematology-Oncology	To Be Arranged			
27623	BIOL	4650	No description available.	S34	Child Maltreatment	To Be Arranged			
27547	BIOL	4975	No description available.	S32	Gynecologic/Breast Pathology	To Be Arranged			
27624	BIOL	5110	No description available.	S34	Adv Clerkship in Psychiatry	To Be Arranged			
27625	BIOL	5130	No description available.	S33	Addiction Psychiatry	To Be Arranged			
27626	BIOL	5460	No description available.	S34	Physical Medicine and Rehab	To Be Arranged			
27606	BIOL	6320	No description available.	S34	Vascular/Interventnl Radiology	To Be Arranged			
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27607	BIOL	6330	No description available.	S32	Cross-Sectnal Imaging Clin Med	To Be Arranged		
27548	BIOL	6360	No description available.	S32	Neuroradiology	To Be Arranged		
27627	BIOL	6390	No description available.	S32	Introduction to Women's Imagng	To Be Arranged		
27549	BIOL	7100	No description available.	S36	Independent Study	To Be Arranged		
27628	BIOL	7110	No description available.	S32	Independent Study	To Be Arranged		
27588	BIOL	7160	No description available.	S36	Scholarly Concentratn Ind Stdy	To Be Arranged		
27608	BIOL	7160	No description available.	S33	Scholarly Concentratn Ind Stdy	To Be Arranged		
BioMed-Community Health								
CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27569	PHP	1540	Reviews the epidemiology of alcohol use, abuse, and dependence and examines its neurobiological and behavioral underpinnings. Covers etiology including physiological, genetic, psychological and social cultural influences, and prevention, brief intervention and treatment	S01	Alcohol Use and Misuse	M 3:00-5:20	(13)	Kate Carey
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BioMed-Community Health

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
			considerations. Course background in psychology, sociology, or community health is recommended. Recommended prerequisites: PHP 0320 and PSYC 0010. Enrollment limited to 20 juniors, seniors, and graduate students.					
27596	PHP	2250	This course provides students with conceptual and quantitative tools based on counterfactual theory to make causal inference using data obtained from observational studies. Causal diagrams will be used to provide alternative definitions of and inform correcting for bias due to confounding, measurement, and selection. Non-, semi-, and fully parametric methods for addressing these biases will be discussed. These methods include standard regression, instrumental variables, propensity scores, inverse probability weighting, and marginal structural models. Settings when standard as well as alternative methods may not be appropriate will be emphasized. Causal diagrams will also be used to distinguish between effect modification and interaction. Prerequisite: PHP 2200 and 2511; or PHP 2200 and 2508; or instructor permission, with similar experience. Enrollment limited to 25 graduate students.	S01	Adv Quant Meth Epi Rsrch	TTh 10:00-11:20	(09)	Chanelle Howe
27574 *	PHP	2508	Biostatistics and Applied Data Analysis II is the second course in a year-long, two-course sequence designed to develop the skills, knowledge and perspective to use data to address public health questions. The courses are designed specifically for students enrolled in the Brown MPH program, as well as those in Brown training programs in Clinical and Translational Research. The two-course sequence is completed in one academic year, not split across two years. The courses will focus on statistical principles as well as the applied skills necessary to answer public health questions using data, including: acquisition, analysis, interpretation and presentation of results. Prerequisite: PHP 2507. Enrollment limited to 48. Instructor permission required.	S01	Biost + Appl Data Analysis II	W 6:00-8:00 PM plus Th 1:00-2:20	(18)	Annie Gjelsvik
27575 *	PHP	2508	Biostatistics and Applied Data Analysis II is the second course in a year-long, two-course sequence designed to develop the skills, knowledge and perspective to use data to address public health questions. The courses are designed specifically for students enrolled in the Brown MPH program, as well as those in Brown training programs in Clinical and Translational Research. The two-course sequence is completed in one academic year, not split across two years. The courses will focus on statistical principles as well as the applied skills necessary to answer public health questions using data, including: acquisition, analysis, interpretation and presentation of results. Prerequisite: PHP 2507. Enrollment limited to 48. Instructor permission required.	L01	Biost + Appl Data Analysis II	W 1:00-4:00		Annie Gjelsvik

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BioMed-Community Health

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27629 *	PHP	2508	Biostatistics and Applied Data Analysis II is the second course in a year-long, two-course sequence designed to develop the skills, knowledge and perspective to use data to address public health questions. The courses are designed specifically for students enrolled in the Brown MPH program, as well as those in Brown training programs in Clinical and Translational Research. The two-course sequence is completed in one academic year, not split across two years. The courses will focus on statistical principles as well as the applied skills necessary to answer public health questions using data, including: acquisition, analysis, interpretation and presentation of results. Prerequisite: PHP 2507. Enrollment limited to 48. Instructor permission required.	L02	Biost + Appl Data Analysis II	M 9:00-12:00		Annie Gjelsvik
27630 *	PHP	2508	Biostatistics and Applied Data Analysis II is the second course in a year-long, two-course sequence designed to develop the skills, knowledge and perspective to use data to address public health questions. The courses are designed specifically for students enrolled in the Brown MPH program, as well as those in Brown training programs in Clinical and Translational Research. The two-course sequence is completed in one academic year, not split across two years. The courses will focus on statistical principles as well as the applied skills necessary to answer public health questions using data, including: acquisition, analysis, interpretation and presentation of results. Prerequisite: PHP 2507. Enrollment limited to 48. Instructor permission required.	L03	Biost + Appl Data Analysis II	T 2:30-5:30		Annie Gjelsvik
27618	PHP	2603	Comprehensive coverage of methods for drawing inference from longitudinal observations. Theoretical and practical aspects of modeling, with emphasis on regression methods. Topics include: multilevel and marginal models; estimation methods; study design; handling dropout and nonresponse; methods for observational data (e.g. time-dependent confounding, endogeneity, selection bias). SAS and S-Plus software are used. Prerequisite: Statistical inference (APMA 1650-1660 at minimum), regression (PHP 2511), working knowledge of matrix algebra (e.g. MATH 0520). Open to graduate students only.	L01	Analysis of Longitudinal Data	To Be Arranged		Eunhee Kim

Cognitive,Linguistic,Psych Sci

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Cognitive,Linguistic,Psych Sci

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27642	CLPS	0130	The course will emphasize normal adult learning, in comparison with learning of special populations, nonhuman animals, and computers. Topics will include perceptual learning, memorization, search, conditioning in changing environments, and motor learning. The role of types and amount of practice, motivation, and talent in the development of expertise in art, music, dance, science, sports, and games will be examined. Readings will be based on laboratory experiments and case histories of experts in a range of fields.	S01	Art and Science of Learning	TTh 10:30-11:50	(09)	Russell Church

Computer Science

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27673 *	CSCI	0081	Being an undergraduate TA is a learning experience: one not only gets a deeper understanding of the course material, but gains management and social skills that are invaluable for one's future. Students taking this course must first be selected as an undergraduate TA for a Computer Science course, a course the student has taken and done well in. Students will work with the course's instructor on a variety of course-related topics, including preparation of material and development of assignments. Whether CSCI 0081 or its half-credit version (CSCI 0082) is taken is up to the professor of the course being TA'd. Instructor permission required.	S01	TA Apprenticeship: Full Credit	To Be Arranged		Thomas Doepfner
27674 *	CSCI	0082	Being an undergraduate TA is a learning experience: one not only gets a deeper understanding of the course material, but gains management and social skills that are invaluable for one's future. Students taking this course must first be selected as an undergraduate TA for a Computer Science course, a course the student has taken and done well in. Students will work with the course's instructor on a variety of course-related topics, including preparation of material and development of assignments. Whether CSCI 0082 or its full-credit version (CSCI 0081) is taken is up to the professor of the course being TA'd. Instructor permission required.	S01	TA Apprenticeship: Half Credit	To Be Arranged		Thomas Doepfner
27530	CSCI	1950V	This course explores the rapidly advancing field of GPU programming, leveraging the massive computational power of the GPU (Graphics Processing Unit) in applications both inside and outside its traditional role in the graphics pipeline. Topics include programming using C++,	S01	Advanced GPU Programming	TTh 10:30-11:50	(09)	Andries van Dam

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Computer Science

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			GLSL, and CUDA, as well as theoretical techniques for parallelizing algorithms to work in the GPU's unique execution structure. Prerequisite: CSCI 1230; CSCI 2240 will be helpful but not required. Familiarity with C and C++ is a must.					
27529 *	CSCI	2951E	This course explores advanced topics and highlights current research in computer security from a systems perspective. Topics include vulnerabilities and defenses for automotive, computing, medical, and industrial control devices, intrusion detection, botnets, secure network protocols, web spam, tracking of web users, JavaScript sandboxing, attacks and defenses for web applications, and security and privacy issues in cloud computing. Research papers and industry reports will be presented and discussed. Also, hands-on experiments and system demonstrations will be performed. CSCI 1660 or equivalent background is essential. Enrollment limited to 12. Instructor permission required.	S01	Topics in Computer Systems Sec	M 3:00-5:20	(13)	Roberto Tamassia

Economics

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27562	ECON	2910	This is a seminar primarily for graduate students and faculty in the Department of Economics where original research on various economics issues are presented by external visitors, along with Brown faculty and graduate students. No course credit.	S01	Department Faculty Seminar	T 4:00-5:30	(16)	Glenn Loury

Education

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27648	EDUC	1560	Consideration of different philosophies of education (classical, progressive, radical, feminist, multicultural). This iterative inquiry-based collaboration locates knowledge constructively and relationally, emphasizing classroom discussion and presentation, careful reading and writing	S01	Philosophy of Education	Th 4:00-6:20	(16)	Jennifer Lindsay

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Education

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			(including on-line), school-site observation, and midterm and final projects on our philosophies and praxes of education. Enrollment limited to 20. DVPS LILE WRIT					
27576	EDUC	1630	Despite expending significant energy on education reform in this country and globally, most efforts fail to achieve their lofty ambitions, due to their reliance on "silver bullet" strategies and/or poor execution. This course will focus on management approaches to improving school system performance, enabling students to (a) explore key education reform strategies; (b) adopt a senior management mindset through weekly discussion of case studies; and (c) broaden their perspective through use of domestic and global school system examples. The course is appropriate for juniors, seniors and graduate students, who bring an interest in education and a commitment to active classroom discussion. Enrollment limited to 24.	S01	Mgmt School System Excellence	T 4:00-6:20	(16)	Andrew Moffit

Engineering

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27482 *	ENGN	1930C	Provides a major design experience for civil engineering students. This experience involves an open-ended design problem that requires teamwork and the integration of understanding developed in upper-level courses in civil engineering concentration. Intended for students in their senior year. Offered as a half-credit course each semester.	S01	Civil Engineering Project	To Be Arranged		Rodney Clifton
27567	ENGN	2910M	This course will acquaint students with two modules: 1) new approaches to detection and quantification of biological molecules for diverse purposes ranging from medical diagnostics to food safety to defense, 2) processes at the microscale which can be translated into applications. The topics will include sensing platforms, devices, instrumentation, biomolecular engineering of probe molecules, quantitative evaluation, separations, sample stacking, DNA/protein sizing and diagnostic devices for use in developing countries. Lectures, assignments, a group design project and a laboratory will acquaint students with the state-of-the-art in biosensors and applied microfluidics. The course is relevant to physicists, chemists, biologists and engineers.	S01	Biosensors and Microfluidics	MW 8:30-9:50	(02)	Anubhav Tripathi

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Engineering

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27478	ENGN	2930	This class describes the fundamentals of statistical mechanics with a focus on both traditional analytic methods and modern atomistic simulations methods made possible thanks to advances in computational power. The class is divided in two parts. (i) Techniques used to calculate interactions at the atomic level are first covered, from simple interatomic potentials to quantum mechanical first-principles methods. (ii) Simulations techniques to sample atomic degrees of freedom for obtaining macroscopic quantities are then discussed, such as Monte Carlo and Molecular Dynamics. The tools presented in class are illustrated with ongoing examples that illustrate how these methods work in concert. Enrollment limited to 40 graduate students.	S01	Atom Model Materials	T 4:00-6:20	(16)	Axel van de Walle

Ethnic Studies

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27572	ETHN	1890L	As women of color, we are in the intersections of race, gender, and class. A feminist movement that does not incorporate analyses of race and class cannot meet our needs. A civil rights movement that does not address gender cannot meet our needs; therefore, we create our own space -- a third space. This course reads the literature, poetry, film and theory of third space feminism in the United States. Enrollment limited to 20. WRIT	S01	(De)Colonizing Women	TTh 10:30-11:50	(09)	Patricia Marie Perea
27573	ETHN	1890M	In many Native American communities the push to "eat local" is often based on reviving a traditional food culture as well as a way of promoting better health. This class explores the disparate health conditions faced by Native communities, and the efforts by many groups to address these health problems through increasing community access to traditional foods, whether by gardening projects or a revival of hunting and fishing traditions. We will examine the ways in which Native food movements have converged and diverged from general American local food movements, and the struggles they often face in reviving treaty-guaranteed food ways.	S01	Eating Local in Indian Country	TTh 10:30-11:50	(09)	Elizabeth Hoover
27570	ETHN	1890N	This course examines the role of museums as sites where issues of identity, memory, place, and power intersect. We will review the histories, theories and paradigms that have influenced	S01	American Indian Museum	M 3:00-5:20	(13)	Elizabeth Hoover

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Ethnic Studies

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			collecting processes and exhibitions, focusing on representations of Native American Indian peoples. We will explore the ways in which Native people have spoken out against conventional museum practice and have sought to reshape it as a means of decolonizing their history, as well as utilizing museums to their benefit to both preserve and promote Native art and culture. How can non-Native scholars and museum professionals contribute to this effort? Enrollment limited to 15. DVPS		Studies			
27485	ETHN	1900B	This course examines adult language and literacy learning and approaches to teaching in community settings. It is designed to support students' work teaching language and literacy to immigrant adults. Working with the Swearer Center and its community partners students will explore theories informing educational practice, and will gain skills and practice in providing language and literacy instruction to adult learners in the community. This practicum specifically addresses issues of language acquisition, acculturation, and broader contexts framing adult education. Enrollment limited to 20.	S01	Community, Language + Literacy	F 3:00-5:20	(15)	

Gender and Sexuality Studies

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27577	GNSS	1700	After the Islamic Revolution in Iran in 1979, the new government targeted women's legal rights in the name of Islam. Family Law, Criminal Law, and even Constitutional Law were designed or amended in ways that imposed gender discriminations on Iranian women's public and private lives. Iranian women from both secular and religious backgrounds have employed diverse strategies to resist these laws. Students will learn about the rules and regulations imposed on Iranian women and also the creative and innovative ways through which they overcome these discriminatory laws. Enrollment limited to 20. WRIT	S01	Iranian Women's Resistance	TTh 2:30-3:50	(11)	Mehrangiz Kar

Geology

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Geology

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27579	GEOL	2870	Planetary Evolution in Spring 2012 is a seminar class focus on new discoveries about Saturn's moons Titan and Enceladus. We will address four fundamental questions about the geological and geophysical evolution of these bodies using new results from instruments onboard the Cassini spacecraft. Is Titan geologically and geophysically alive or dead? How does the global volatile cycle sculpt its surface? Does Enceladus have an ocean today? What is the driving force for plume activity in the south polar terrain? Enrollment limited to 20.	S01	Titan and Enceladus	M 3:00-5:20	(13)	Amy C. Mlinar
27584	GEOL	29200	A seminar course focusing on the physical processes and geochemical consequences of melt migration in the mantle. Topics include, but are not limited to: flow in porous media; compaction; adiabatic melting and melt-rock reaction; instabilities in melt migration; melt generation beneath mid-ocean ridge; and melt migration in other tectonic environments. Recommended course: GEOL 1620. Enrollment limited to 15. S/NC	S01	Physics of Melt Migration	MWF 2:00-2:50	(07)	Edgar Parmentier

Greek

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27578	GREK	1110W	This course will explore Greek encounters with Persia in the 5th and 4th centuries. Following the epoch-making conflict between Greece and Persia, the Persian empire assumed a major place in the historical, literary, cultural, and artistic production of the Greek world. We will access this world primarily through the Greek historians, principally Xenophon, Herodotus, and Ctesias, including Herodotus' histories, Xenophon's Cyropaedia and Anabasis, and Ctesias' Persika. While the focus of the course will be on reading these texts in Greek, we will also engage with modern scholarship on Persia and issues of cultural contact and exchange between these cultures. Recommended prerequisite: Three semesters of Ancient Greek.	S01	Persia in the Greek Historians	MWF 2:00-2:50	(07)	Ryan Boehm

Hispanic Studies

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Hispanic Studies

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27486 *	HISP	0200	A continuation of HISP 0100. This course continues to focus on acquisition of communicative skills (speaking, listening comprehension, reading and writing) as well as cultural awareness. With successful completion of the course students will be able to understand simple texts, carry on short spontaneous conversations involving everyday topics (such as modern day life and its pressures, health, art and culture, nature and the environment, relationships) and write simple texts with good command of grammar and sentence structure. Prerequisite: HISP 0100 or placement: SAT II scores between 400 and 450; Brown Placement Exam scores between 241 and 340. Students with an AP score of 3 or below must take the Brown Placement Exam. Students should check Placement and Course Description in the Undergraduate Program section of the Hispanic Studies Website. Enrollment limited to 18; 15 spaces are available for students during pre-registration. 3 spaces will be available at the start of the semester for incoming or re-admitted students who should attend the first class. Pre-enrolled students must attend the first four days of class to maintain their pre-registered status and notify the instructor in advance if they must miss any day before the 4th class when the composition of the course section is finalized. If course is full, students should sign the wait list available in Rochambeau House, 84 Prospect St., Room 117 during the pre-registration period.	S05	Basic Spanish	MW 10:00-10:50 plus TTh 10:30-11:50	(09)	Nidia Schuhmacher
27571 *	HISP	0400	This course offers an exploration of the Spanish language and Hispanic cultures through a variety of thematic foci: the world of work, the arts, globalization and technology, leisure, and celebrations. It focuses on vocabulary building, the examination of some of the more difficult points of grammar, and moving students towards a more sophisticated level of comprehension and expression. Students work with readings, including literary texts; songs; film; and the visual arts. Prerequisite: HISP 0300 or placement: SAT II scores between 520 and 590 or Brown Placement Exam scores between 411 and 490. Students with an AP score of 3 or below must take the Brown Placement Exam. Students should check Placement and Course Description in the Undergraduate Program section of the Hispanic Studies Website. Enrollment limited to 18; 15 spaces are available for students during pre-registration. 3 spaces will be available at the start of the semester for incoming or re-admitted students who should attend the first class. Pre-enrolled students must attend the first four days of class to maintain their pre-registered status and notify the instructor in advance if they must miss any day before the 4th class when the composition of the course section is finalized. If course is full, students should sign the wait list available in Rochambeau	S04	Intermediate Spanish II	MW 9:00-9:50 plus TTh 12:00-12:50	(02)	Victoria Smith

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Hispanic Studies

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			House, 84 Prospect St., Room 117 during the pre-registration period.					
27646	HISP	1290T	This course intends to offer a paramount vision of Spanish Novels from the last decade, showing an interesting selection of new authors from this period. It intends also to bring back a lively image of this genre in the present time and it's problematic relationship with Spanish and International new realities. In the study of each of these novels, we try to approach their aesthetic or intellectual trends to other traditions and cultures (especially, Latin American, North American and European). Prerequisite: HISP 0730 or 0740 or placement exam required.	S01	Spanish Postmodern Novel	TTh 9:00-10:20	(08)	Juan Ferre Ruiz

History

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27568	HIST	1501	This course surveys the history of China from the mid-Qing (around 1800) to the present day—from relative decline, to revolutionary chaos, to reemergence as a global power. Major themes include imperial decay and the construction of the nation state, economic development and its institutional foundations, the collapse of Confucianism as a mainstream sociopolitical ideology, and the formation of Chinese Socialism. In particular, we will focus on the three-way interaction between intellectual trends, sociopolitical institutions, and economic change. The course moves in relatively broad narrative and analytical strokes, drawing comparisons with the histories of other regions, including Japan, India and Europe. <i>M</i>	S01	Modern China: 1800-2011	TTh 2:30-3:50		
27636	HIST	1976Y	Americans' production and consumption of energy has increased dramatically over the last 200 years. This course introduces students to the different sources and uses of energy from the colonial period up to the present. Students examine how energy choices have been shaped by Americans' understanding of and interactions with the natural world. Students also examine how energy choices reflected the society Americans envisioned for themselves. The seminar's objective is to understand how the American energy environment is a historical artifact of the changing knowledge and know-how of natural resource exploitation and of the developing cultures of capitalism and consumerism.	S01	Energy and Environment	W 3:00-5:20	(14)	Paul Lucier

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History									
CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR	
			Enrollment limited to 20. <i>M</i>						
27535	HIST	1977C	Introduces students to visual culture (art, urbanism, cartography) of the Spanish and Portuguese Empires during the Early Modern period c. 1450-1800. Highlights the difficulties in distinguishing between "Western" and "non-Western" art around 1500. Deals with the relations between built environment and power in the Atlantic sphere. Discusses colonial societies and subalterns (conquered Indians, Black slaves) as subjects and producers of art. Analyses the making and circulating of "hybrid" objects in Africa and Asia. Moves toward a "connected history" of global artistic production through the lens of Iberian expansion, exploring relations between empire, race, trade, religion and art. Conducted in English. Enrollment limited to 20. <i>P</i>	S01	The Visual Culture of Empire	T 4:00-6:20	(16)	Zoltan Biedermann	
27637	HIST	1977H	A seminar surveying the history of American business and capitalism from the colonial era through the twentieth century, with special attention to how legal regimes and regulatory institutions emerged to confront specific market problems and, in turn, influenced the distribution of wealth and power throughout American history. Enrollment limited to 20. <i>M</i>	S01	U.S. Legal + Business History	W 3:00-5:20		Laura Phillips	
27638	HIST	1977O	This seminar will explore the significance of the Occupy Movement and use it as an entry point to examine major themes in postwar U.S. history and global political economy. We will look at the historical context of Occupy's grievances and its relationship to the American protest tradition. Students will gain a stronger understanding of the historical forces that have structured the current crisis and protest wave, along with a better sense of how movements relate to shifts in society and politics. A basic understanding of postwar U.S. history, political economy, and the events of 2011 is preferred, but not required. Enrollment limited to 20. <i>M</i>	S01	The Occupy Movement in Histori	W 3:00-5:20	(14)	Derek Seidman	
27639	HIST	1977P	History of South Africa to 1990, with attention to diverse representations and uses of the past, beginning with difficulties in developing a critical and conciliatory version of the past in post-apartheid South Africa during and after much-discussed Truth and Reconciliation Commission. We explore changing scholarship and popular memory of significant episodes and personalities in the making of modern South African history, including Dutch settlement at the Cape, Khoisan "Hottentot Venus," Shaka Zulu, Great Trek, Anglo-Boer War, rise of apartheid, diverse episodes of rebellion and resistance from the armed struggle to the Soweto uprising, ending with the liberation of Nelson Mandela.	S01	South Africa: Apartheid	F 3:00-5:20	(15)	David Gordon	
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History

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
			Enrollment limited to 20. <i>E</i>					

Judaic Studies

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27695 *	JUDS	1990J	This is a course in Yiddish reading for research purposes designed primarily for advanced undergraduates and graduate students. This means that the emphasis will be on learning how to read and decipher a range of texts in modern Yiddish in different genres written. We will read the Yiddish classics and discuss their language, style and content, as well as newspaper articles published at the beginning of the 20th century and various historical documents. We will learn to read and understand non-standard pre-1930s Yiddish as well as American and Soviet Yiddish. Participation in this course requires the instructor's permission.	S01	Yiddish for Research	To Be Arranged		Rachel Rojanski

Literary Arts

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27582	LITR	1230P	We shall explore this movement that produced remarkable award-winning films in Iran. Applying author (auteur) theory, we will study new Iranian movies, analyzing "signs and meaning" in their cinematic language, also investigating effects of Iranian culture on this new artistic wave. Enrollment limited to 20. S/NC	S01	The New Wave in Iranian Cinema	T 4:00-6:20	(16)	Shahriar Mondanipour
27585	LITR	1230P	We shall explore this movement that produced remarkable award-winning films in Iran. Applying author (auteur) theory, we will study new Iranian movies, analyzing "signs and meaning" in their cinematic language, also investigating effects of Iranian culture on this new artistic wave. Enrollment limited to 20. S/NC	F01	The New Wave in Iranian Cinema	M 6:00-8:20 PM		Shahriar Mondanipour
27528	LITR	1230R	We shall consider several important Modernist women writers in the United States and Europe in	S01	Modernist	F 3:00-5:20	(15)	Leigh Cole

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Literary Arts

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
			their historical and cultural context. Many of these women were poets, and many also worked in cross-genres forms. The focus will be on close readings and discussions of writings that span their careers, but considerable time will also be spent on the work of women editors, publishers, visual artists, and cultural organizers of the period who created the community that surrounded, supported, and enabled them. This larger community will be explored through presentations given by class members over the course of the semester. Enrollment limited to 20. Open to graduate students in English, Literary Arts, and Comparative Literature; all others require instructor permission.		Women			Swensen

Modern Culture and Media

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27580	MCM	1700T	A media production course concerned with practical and conceptual aspects of narrative in contemporary film and dv cinema. After attention to technique (use of 16mm film and digital cameras, lighting, sound and editing), the second half of the semester will be devoted to individual projects and discussion of them. Screenings and close analysis of contemporary narrative films from the current global renaissance in narrative cinema, involving filmmakers in China, Thailand, the Philippines, Argentina, Greece, Portugal, etc. – partly led by feature filmmakers with backgrounds in the art world. Requirements include a group project and an individual, advanced level project in film/video. Application required. Application is available in the MCM office. Students must bring a completed application to the first class to be considered for admission. The final class list will be determined after this meeting, with permission of the instructor. Enrollment limited to 20 juniors and seniors. S/NC	S01	Approaches to Narrative	M 1:30-6:50	(06)	David Barker

Political Science

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Political Science

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27610	POLS	1130	The origins and evolution of the Presidency in the American political and policy-making system. Special emphasis on the impact of presidential policies from Franklin Roosevelt through George W. Bush, and an exploration of the future challenges facing the winner of the 2012 Presidential election.	C01	The American Presidency	T 4:00-4:50		Wendy Schiller
27611	POLS	1130	The origins and evolution of the Presidency in the American political and policy-making system. Special emphasis on the impact of presidential policies from Franklin Roosevelt through George W. Bush, and an exploration of the future challenges facing the winner of the 2012 Presidential election.	C02	The American Presidency	T 5:00-5:50		Wendy Schiller
27612	POLS	1130	The origins and evolution of the Presidency in the American political and policy-making system. Special emphasis on the impact of presidential policies from Franklin Roosevelt through George W. Bush, and an exploration of the future challenges facing the winner of the 2012 Presidential election.	C03	The American Presidency	T 7:00-7:50		Wendy Schiller
27613	POLS	1130	The origins and evolution of the Presidency in the American political and policy-making system. Special emphasis on the impact of presidential policies from Franklin Roosevelt through George W. Bush, and an exploration of the future challenges facing the winner of the 2012 Presidential election.	C04	The American Presidency	W 4:00-4:50		Wendy Schiller
27614	POLS	1130	The origins and evolution of the Presidency in the American political and policy-making system. Special emphasis on the impact of presidential policies from Franklin Roosevelt through George W. Bush, and an exploration of the future challenges facing the winner of the 2012 Presidential election.	C05	The American Presidency	W 5:00-5:50		Wendy Schiller
27615	POLS	1130	The origins and evolution of the Presidency in the American political and policy-making system. Special emphasis on the impact of presidential policies from Franklin Roosevelt through George W. Bush, and an exploration of the future challenges facing the winner of the 2012 Presidential election.	C06	The American Presidency	W 7:00-7:50		Wendy Schiller
27616	POLS	1130	The origins and evolution of the Presidency in the American political and policy-making system. Special emphasis on the impact of presidential policies from Franklin Roosevelt through George W. Bush, and an exploration of the future challenges facing the winner	C07	The American Presidency	T 5:00-5:50		Wendy Schiller

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Political Science

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
			of the 2012 Presidential election.					
27617	POLS	1130	The origins and evolution of the Presidency in the American political and policy-making system. Special emphasis on the impact of presidential policies from Franklin Roosevelt through George W. Bush, and an exploration of the future challenges facing the winner of the 2012 Presidential election.	C08	The American Presidency	W 5:00-5:50		Wendy Schiller
27566	POLS	1730	Advanced course exploring social science perspectives on the politics of the environment, with a focus on the United States. Our subjects include debates in the US over global warming, peak oil, alternative energy, habitat destruction, species extinction, sustainable agriculture, environmental justice, pollution, bioengineering, and science policy; the history of environmental movements; the emergence of Green parties; and ecological perspectives on culture, economics, and education. We will study domestic environmental politics, and consider how these affect our nation's participation in global environmental negotiations. Satisfies an upper-level American Politics track requirement. Mid-term and final exam (or alternative assessments). Guest speakers, videos. No prerequisites. Enrollment limited to 40.	S01	Environ Politics in the US	MW 6:30-7:50	(18)	Anthony Affigne
27565	POLS	2370	Political philosophy relates to economic theory in two ways. It takes primary texts of economic theory and draws out their philosophical, ethical, and political implications. It also begins from normative theory, like theories of justice, and brings these independently developed principles to bear on economic concerns. This class takes both approaches. The first half will attempt read foundational economic thinkers (e.g. Jevons, Keynes, Schumpeter, Hayek, Polanyi) as political philosophers. The second half will take an external approach, looking at how competing libertarian, socialist, post-socialist, classical liberal and high liberal traditions (e.g. Smith, Friedman, Rawls, Cohen, Tomasi) think about economic freedom.	S01	Political Phil and Ec Theory	M 3:00-5:20	(13)	Alexander Gourevitch

Portuguese and Brazilian Stu

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Portuguese and Brazilian Stu

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27544	POBS	1750	Investigates the meanings of language, culture, and society and the interrelationship among them. Examines the functional and dysfunctional uses they can play in public education, particularly from the public school administrators' and teachers' viewpoints. Explores concerns directly related to the nature, quality, and future of English-as-a-Second-Language programs. Reflective activities, lectures, simulations, case studies, role plays, and small group discussions. Conducted in English. Enrollment limited to 25.	S01	Language, Culture, and Society	Th 4:00-6:20	(16)	Maria Pacheco

Science and Society

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27581	SCSO	1800	For scholars and practitioners in many fields of natural and social sciences, engineering and technology, and the humanities, an understanding of indigenous knowledges (IKS) and their interaction with other forms of knowledge is becoming imperative. Using theoretical frameworks from an interdisciplinary literature and practitioners' thinking, as well as cases, this seminar will be a rigorous critical introduction to IKS in contemporary life, probing a variety of locales and epistemic spaces where IKS and sciences coexist; learning about and interrogating ways to study indigenous knowledges; and thinking about practice where different knowledges and technologies "cross". Four graded writing/digital assignments; no prerequisites.	S01	Contemporary IKS + Sciences	M 3:00-5:20	(13)	Geri Augusto

Theatre Arts, Performance Stdy

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27532	TAPS	1530	A semester of performances/master classes featuring the work of invited guests, each a performer/practitioner in multi-media, multi-disciplinary solo performance. The instructor curates the series, moderates discussions, supervises reading lists, and assesses students. Enrollment limited to 17. Not open to first year students.	S01	Solo Opera	M 2:00-5:50	(11)	Erik Ehn

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Visual Arts

CRN	SUBJECT	COURSE NUMBER	Course Description	SECTION	SHORT TITLE	MEETING TIME	EXAM GROUP	PRIMARY INSTRUCTOR
27665 *	VISA	1800T	This course is designed with the belief that a collaborative effort between designers, humanists and physicians can provide a unique opportunity to develop strategies that can improve the the patient-doctor encounter. Students from Brown and RISD will work to create medical "decision aids". To create effective decision aids, students will strengthen their own general biomedical-statistical literacy using a multidisciplinary approach involving lectures and discussion in evidence-based medicine. Students will shadow physicians in clinic to directly witness the doctor-patient encounter. By exposing students to the clinical setting to provide a space in which students can understand how these decision aids can function. Course will be co-taught by David Macaulay and Ali Zarrabi. Enrollment limited to 12 students in the Brown/RISD dual-degree program. Instructor permission required.	S01	Communicating Medical Risk	To Be Arranged		Richard Fishman

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