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KEY TO ABBREVIATIONS

LOCATIONS

ANB	Annenberg Center for Information Science and Technology	KAR	Karman Laboratory
ARM	Arms Laboratory of Geological Sciences	KCK	Keck Engineering Laboratory
AVE	Avery House	KLK	Kellogg Radiation Laboratory
BAC	Braun Athletic Center	KRK	Kerckhoff Laboratory of Biological Sciences
BAX	Baxter Hall of Humanities and Social Services	KSP	Keith Spaulding Building
BBB	Beckman Laboratory of Behavioral Biology	L+R	Linde + Robinson Laboratory for Global Environmental Science
BCK	Beckman Institute	LAU	Lauritsen Physics Laboratory
BRD	Broad Center	LINDE	Ronald and Maxine Linde Hall of Mathematics and Physics
BRG	Bridge Laboratory of Physics	MEAD	Undergraduate Chemistry Laboratory
BRN	Braun Laboratory	MRE	Moore Laboratory
BRW	Brown Gym	NMD	North Mudd Building of Geological Sciences
CHL	Cahill Center for Astronomy and Astrophysics	NYS	Noyes Laboratory of Chemical Physics
CHR	Church Laboratory of Chemical Biology	NewMedia	NewMedia Classroom
CRL	Crellin Chemistry Laboratory	POLY	Polytechnic School
CSS	Center for Student Services	PWL/BTH	Powell/Booth Laboratory
DAB	Dabney Hall of Humanities	SAC	Student Activities Center
DWN	Downs Physics Laboratory	SCH	Schlinger Laboratory
DWN/LAU	Downs Lauritsen	SFL	Sherman Fairchild Library
FIR	Firestone Flight Science Laboratory	SMD	South Mudd Building of Geophysics and Planetary Sciences
GCL	Gates Chemical Laboratory	SPL	Spaulding Laboratory of Chemical Engineering
GTL	Gates-Thomas Engineering Laboratory	STL	Steele Laboratory of Electrical Engineering
GUG	Guggenheim Laboratory	TCT	Theater Arts at Caltech (TACIT)
HAM	Hameetman Center	WAT	Watson Laboratory of Applied Physics
JRG	Jorgensen Laboratory	YHC	Young Health Center

GRADING SCHEME

G = Grades Only
 P = Pass/Fail Only
 Blank = Grades/may exercise P/F

TIMES/LOCATION/UNITS

A = Hours/Location to be Arranged
 + = Units to be Arranged
 OM = Organizational Meeting

DAYS OF THE WEEK

M = Monday
 T = Tuesday
 W = Wednesday
 R = Thursday
 F = Friday
 S = Saturday
 U = Sunday

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
AEROSPACE							
Ae 100	+	Research in Aerospace	01	Gharib, M	A	A	P
			02	McKeon, B	A	A	P
			03	Chung, S	A	A	P
			04	Pellegrino, S	A	A	P
			05	Blanquart, G	A	A	P
			06	Shepherd, J	A	A	P
			07	Meiron, D	A	A	P
			08	Meiron, D	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Dimotakis, P	MWF 10:00 - 10:55	A	P
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	MWF 09:00 - 09:55	A	
Ae 103A	3-0-6	Aerospace Control Systems	01	Fragoso, A / Chung, S	TR 14:30 - 15:55	A	
Ae 105B	2-4-3	Space Engineering	01	Chung, S	TR 16:30 - 17:55	A	
Ae/ME 118	3-0-6	Classical Thermodynamics	01	Minnich, A	TR 13:00 - 14:25	A	
Ae 121B	3-0-6	Space Propulsion	01	Polk, J	OM,T 13:00 - 14:25	A	
Ae 150B	1-0-0	Aerospace Engineering Seminar	01	Meiron, D	M 13:00 - 13:55	A	P
Ae/CE 165B	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	M 15:00 - 15:55	A	
					W 10:00 - 10:55	A	
Ae 200	+	Advanced Research in Aerospace	01	Schneider, T	A	A	P
			02	Burdick, J	A	A	P
			03	Colonus, T	A	A	P
			04	Dimotakis, P	A	A	P
			05	Gharib, M	A	A	P
			06	Hornung, H	A	A	P

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AEROSPACE										
Ae 200	+	Advanced Research in Aerospace	07	Bhattacharya, K	A	A	P			
			08	Leonard, A	A	A	P			
			09	Murray, R	A	A	P			
			10	Ortiz, M	A	A	P			
			11	Pullin, D	A	A	P			
			12	Ravichandran, G	A	A	P			
			13	Rosakis, A	A	A	P			
			14	McKeon, B	A	A	P			
			15	Pellegrino, S	A	A	P			
			16	Shepherd, J	A	A	P			
			17	Blake, G	A	A	P			
			18	Lapusta, N	A	A	P			
			19	Troian, S	A	A	P			
			20	Daraio, C	A	A	P			
			21	Blanquart, G	A	A	P			
			22	Kochmann, D	A	A	P			
			23	Greer, J	A	A	P			
			24	Gurnis, M	A	A	P			
			25	Minnich, A	A	A	P			
			26	Johnson, J	A	A	P			
			27	Austin, J	A	A	P			
			28	Kulkarni, S	A	A	P			
			29	Chung, S	A	A	P			
			30	Asimaki, D	A	A	P			
			31	Dabiri, J	A	A	P			
			32	Meiron, D	A	A	P			
			33	Hunt, M	A	A	P			
			34	Dickinson, M	A	A	P			
			35	Mawet, D	A	A	P			
			Ae 204A	3-0-6	Technical Fluid Mechanics	01	Gharib, M / Wang, C	MWF 09:00 - 09:55	A	

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AEROSPACE							
Ae 208B	1-0-0	GALCIT Colloquium	01	McKeon, B / Chung, S	F 15:00 - 15:55	A	P
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Meiron, D	OM,M 14:00 - 14:55	A	
Ae 234A	3-0-6	Hypersonic Aerodynamics	01	Austin, J	MW 13:30 - 14:55	A	P
Ae 239A	3-0-6	Turbulence	01	McKeon, B	TR 10:30 - 11:55	A	
Ae 240	+	Special Topics in Fluid Mechanics <i>Sec 1: Educational Exchange</i>	01	Meiron, D	A	A	P
MedE/BE/Ae 243	3-0-6	Physiological Mechanics	01	Roh, C	TR 09:00 - 10:25	A	G
ANTHROPOLOGY							
An 014	3-0-6	Introduction to Sociocultural Anthropology <i>maximum enrollment: 14 students // previously numbered An 22, counts as Intro SS</i>	01	Ensminger, J	TR 14:30 - 15:55	A	G
An 097	+	Undergraduate Research	01	Ensminger, J	A	A	P
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 14 students // Designated as Writing Intensive Course</i>	01	Ensminger, J	MW 14:30 - 15:55	A	G
APPLIED & COMPUTATIONAL MATH							
ACM080B	+	Undergraduate Thesis	01	Saito, K	A	A	P
ACM081B	+	Undergraduate Projects in Applied and Computational Mathematics	01	Chandrasekaran, V	A	A	P
ACM095A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Zuev, K	MWF 11:00 - 12:15	A	

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APPLIED & COMPUTATIONAL MATH							
ACM100A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Zuev, K	MWF 11:00 - 12:15	A	
ACM/IDS 101B	4-4-4	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	A	
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y / Huang, D	TR 13:00 - 14:25	A	
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	A	
ACM118	3-0-9	Stochastic Processes and Regression	01	Owhadi, H	MW 13:00 - 14:25	A	
Ma/ACM/IDS 140B	3-0-6	Probability	01	Ouimet, F	MWF 13:00 - 13:55	A	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations	01	Frank, R	TR 09:00 - 10:25	A	P
ACM190	+	Reading and Independent Study	01	Staff	A	A	P
ACM/IDS 216	3-0-6	Markov Chains, Discrete Stochastic Processes and Applications	01	Owhadi, H	TR 09:00 - 10:25	A	
ACM217	3-0-6	Advanced Topics in Stochastic Analysis	01	Tropp, J	TR 10:30 - 11:55	A	
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Meiron, D	OM,M 14:00 - 14:55	A	
ACM270	3-1-5	Advanced Topics in Applied and Computational Math: Model Reduction for Large-scale Simulations	01	Qian, E	WF 10:30 - 11:55	A	
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P
			03	Desbrun, M	A	A	P
			04	Hou, Y	A	A	P

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APPLIED & COMPUTATIONAL MATH							
ACM300	+	Research in Applied and Computational Mathematics	05	Tropp, J	A	A	P
			06	Meiron, D	A	A	P
			07	Pierce, N	A	A	P
			08	Owhadi, H	A	A	P
			09	Schroeder, P	A	A	P
			10	Hassibi, B	A	A	P
			11	Beck, J	A	A	P
			12	Stuart, A	A	A	P
			13	Graber, T	A	A	P
APPLIED MECHANICS							
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	MWF 09:00 - 09:55	A	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	P
AM 300	+	Research in Applied Mechanics	01	Lapusta, N	A	A	P
			02	Bhattacharya, K	A	A	P
			03	Andrade, J	A	A	P
			04	Avouac, J	A	A	P
			05	Murray, R	A	A	P
			06	Ortiz, M	A	A	P
			07	Phillips, R	A	A	P
			08	Ravichandran, G	A	A	P
			09	Fu, X	A	A	P
APPLIED PHYSICS							
APh/EE 024	3-0-6	Introductory Optics and Photonics Laboratory <i>class cancelled</i>	01	Faraon, A	A	A	
APh078B	+	Senior Thesis, Experimental	01	Faraon, A	A	A	P
			02	Scherer, A	A	A	P
			03	Phillips, R	A	A	P
			04	Painter, O	A	A	P

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APPLIED PHYSICS										
APh078B	+	Senior Thesis, Experimental	05	Vahala, K	A	A	P			
			06	Atwater, H	A	A	P			
			07	Bellan, P	A	A	P			
			08	Troian, S	A	A	P			
			09	Yung, Y	A	A	P			
			10	Schwab, K	A	A	P			
			11	Knutson, H	A	A	P			
			12	Endres, M	A	A	P			
			13	Hajimiri, S	A	A	P			
			APh079B	+	Senior Thesis, Theoretical	01	Goddard, W	A	A	P
						02	Troian, S	A	A	P
						03	Kimble, H	A	A	P
			APh100	+	Advanced Work in Applied Physics	01	Atwater, H	A	A	P
02	Faraon, A	A				A	P			
03	Painter, O	A				A	P			
04	Scherer, A	A				A	P			
05	Troian, S	A				A	P			
07	Roukes, M	A				A	P			
08	Yang, C	A				A	P			
09	Bellan, P	A				A	P			
10	Phillips, R	A				A	P			
11	Choo, H	A				A	P			
12	Minnich, A	A				A	P			
13	Kimble, H	A				A	P			
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics				01	Dimotakis, P	MWF 10:00 - 10:55	A	P
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	OM,R 16:00 - 16:55	A				
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	A	P			

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APPLIED PHYSICS							
APh114B	3-0-6	Solid-State Physics	01	Nad Perge, S	MWF 09:00 - 09:55	A	
APh/Ph 115	3-0-6	Physics of Momentum Transport in Hydrodynamic Systems <i>class cancelled</i>	01	Troian, S	A	A	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	A	
EE/APh 120	3-0-6	Physical Optics	01	Mirhosseini Niri, S	TR 10:30 - 11:55	A	G
Ph/APh 137B	3-0-6	Atoms and Photons	01	Endres, M	TR 10:30 - 11:55	A	
APh150	3-0-6	Topics in Applied Physics: Influence of Stochasticity in Nanoscale Systems <i>alternative days/times available, subject to student availability</i>	01	Troian, S	WF 15:00 - 16:25	A	
APh156B	3-0-6	Plasma Physics	01	Bellan, P	MW 14:30 - 15:55	A	
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Counts towards 'total biology units' requirement in the Biology undergraduate option.</i>	01	Phillips, R	MW 14:30 - 15:55	A	
APh190B	3-0-6	Quantum Electronics	01	Vahala, K	TR 13:00 - 14:25	A	
APh200	+	Applied Physics Research	01	Atwater, H	A	A	P
			02	Fultz, B	A	A	P
			03	Bellan, P	A	A	P
			04	Chen, Y	A	A	P
			05	Johnson, W	A	A	P
			06	Schwab, K	A	A	P
			07	Goddard, W	A	A	P
			08	Lewis, N	A	A	P
			09	Troian, S	A	A	P

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APPLIED PHYSICS										
APh200	+	Applied Physics Research	10	Preskill, J	A	A	P			
			11	Refael, G	A	A	P			
			12	Faraon, A	A	A	P			
			13	Lewis, N	A	A	P			
			14	Alicea, J	A	A	P			
			15	Hsieh, D	A	A	P			
			16	Minnich, A	A	A	P			
			17	Yang, C	A	A	P			
			18	Gharib, M	A	A	P			
			19	Painter, O	A	A	P			
			20	Phillips, R	A	A	P			
			21	Bernardi, M	A	A	P			
			22	Kimble, H	A	A	P			
			23	Roukes, M	A	A	P			
			24	Nad Perge, S	A	A	P			
			25	Scherer, A	A	A	P			
			26	Hutzler, N	A	A	P			
			28	Yeh, N	A	A	P			
			29	Endres, M	A	A	P			
			30	Vahala, K	A	A	P			
			31	Yariv, A	A	A	P			
			32	Rosenbaum, T	A	A	P			
			33	Adhikari, R	A	A	P			
			34	Meiron, D	A	A	P			
			35	Elowitz, M	A	A	P			
			36	Bock, J	A	A	P			
			37	Cushing, S	A	A	P			
			38	Falson, J	A	A	P			
			39	Motrunich, O	A	A	P			
			40	Spiropulu, M	A	A	P			
			41	Marandi, A	A	A	P			
			Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	A	

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APPLIED PHYSICS										
APh300	+	Thesis Research in Applied Physics	01	Faraon, A	A	A	P			
			02	Bellan, P	A	A	P			
			03	Flagan, R	A	A	P			
			04	Refael, G	A	A	P			
			05	Snyder, G	A	A	P			
			06	Troian, S	A	A	P			
			07	Fultz, B	A	A	P			
			08	Schwab, K	A	A	P			
			09	Desbrun, M	A	A	P			
			10	Hsieh, D	A	A	P			
			11	Faber, K	A	A	P			
			12	Hutzler, N	A	A	P			
			15	Phillips, R	A	A	P			
			16	Daraio, C	A	A	P			
			17	Rosenbaum, T	A	A	P			
			18	Roukes, M	A	A	P			
			20	Scherer, A	A	A	P			
			21	Chen, Y	A	A	P			
			24	Vahala, K	A	A	P			
			25	Yariv, A	A	A	P			
			28	Painter, O	A	A	P			
			29	Zmuidzinas, J	A	A	P			
			30	Atwater, H	A	A	P			
			31	Bernardi, M	A	A	P			
			32	Nad Perge, S	A	A	P			
			33	Marandi, A	A	A	P			
			ASTROPHYSICS							
			Ay 021	3-0-6	Galaxies and Cosmology	01	Djorgovski, S	M 16:00 - 16:55 R 12:00 - 12:55	A A	
			Ay 043	+	Reading in Astronomy and Astrophysics	01	Staff	A	A	P

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ASTROPHYSICS							
Ay 078B	+	Senior Thesis	01	Bock, J	A	A	P
			02	Fuller, J	A	A	P
			03	Hillenbrand, L	A	A	P
			04	Steidel, C	A	A	P
			05	Cohen, J	A	A	P
			06	Phinney, E	A	A	P
			07	Howard, A	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P
			10	Harrison, F	A	A	P
			11	Hallinan, G	A	A	P
			12	Scoville, N	A	A	P
			13	Hopkins, P	A	A	P
			14	Djorgovski, S	A	A	P
			15	Knutson, H	A	A	P
			16	Kasliwal, M	A	A	P
			17	Mawet, D	A	A	P
			18	Blake, G	A	A	P
Ay 102	3-0-6	Physics of the Interstellar Medium <i>tentative class time: MWF 2:00-2:55pm</i>	01	Hillenbrand, L	A	A	
Ay 111B	3-0-0	Introduction to Current Astrophysics Research	01	Hopkins, P	F 11:00 - 11:55	A	P
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 14:00 - 14:55	A	
Ay 122B	3-0-6	Astronomical Measurements and Instrumentation	01	Hallinan, G / Ravi, V	TR 13:00 - 14:25	A	
Ay 124	3-0-6	Structure and Evolution of Galaxies	01	Hopkins, P	MW 10:30 - 11:55	A	
Ay 127	3-0-6	Astrophysical Cosmology	01	Martin, C	TR 14:30 - 15:55	A	

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ASTROPHYSICS							
Ge/Ay 133	3-0-6	The Formation and Evolution of Planetary Systems	01	Batygin, K	MWF 13:00 - 13:55	A	
Ay 141B	1-0-2	Research Conference in Astronomy	01	Kulkarni, S	F 16:00 - 16:55	A	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Fuller, J	A	A	P
			02	Blake, G	A	A	P
			03	Harrison, F	A	A	P
			04	Brown, M	A	A	P
			05	Phinney, E	A	A	P
			06	Djorgovski, S	A	A	P
			07	Howard, A	A	A	P
			08	Kasliwal, M	A	A	P
			09	Hillenbrand, L	A	A	P
			10	Fuller, J	A	A	P
			11	Kulkarni, S	A	A	P
			12	Hallinan, G	A	A	P
			13	Martin, C	A	A	P
			14	Bock, J	A	A	P
			15	Golwala, S	A	A	P
			16	Prince, T	A	A	P
			17	Hopkins, P	A	A	P
			18	Kirby, E	A	A	P
			19	Sargent, A	A	A	P
			20	Ravi, V	A	A	P
			21	Readhead, A	A	A	P
			23	Steidel, C	A	A	P
			27	Stevenson, D	A	A	P
			28	Cohen, J	A	A	P
			29	Knutson, H	A	A	P
			30	Mawet, D	A	A	P
			31	Batygin, K	A	A	P

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ASTROPHYSICS							
Ay 143	+	Reading and Independent Study	01	Sargent, A	A	A	P
			02	Kulkarni, S	A	A	P
			04	Hopkins, P	A	A	P
			06	Brown, M	A	A	P
			07	Blake, G	A	A	P
			08	Knutson, H	A	A	P
			09	Batygin, K	A	A	P
Ay 144	+	Independent Writing in Astronomy	01	Golwala, S	A	A	P
Ge/Ay 159	3-0-6	Astrobiology	01	Yung, Y	MWF 11:00 - 11:55	A	
Ay 215	3-0-6	Seminar in Theoretical Astrophysics	01	Kasliwal, M / Kulkarni, S	TR 10:30 - 11:55	A	P
BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	R 12:00 - 12:55	A	P
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology	01	Hay, B	A	A	P
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Pachter, L	A	A	P
			03	Rothmund, P	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			07	Greer, J	A	A	P
			08	Campbell, J	A	A	P
			09	Phillips, R	A	A	P
			10	Hay, B	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Phillips, R	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	13	Parker, C	A	A	P
			14	Barton, J	A	A	P
			15	Heath, J	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P
			19	Mazmanian, S	A	A	P
			20	Shan, S	A	A	P
			21	Jensen, G	A	A	P
			22	Elowitz, M	A	A	P
			23	Dervan, P	A	A	P
			24	Dunphy, W	A	A	P
			25	Tirrell, D	A	A	P
			27	Meyerowitz, E	A	A	P
			28	Rothenberg, E	A	A	P
			29	Clemons, W	A	A	P
			30	Leadbetter, J	A	A	P
			31	Kennedy, M	A	A	P
			32	Lester, H	A	A	P
			33	Murray, R	A	A	P
			34	Mazmanian, S	A	A	P
			35	Baltimore, D	A	A	P
			36	Wang, Z	A	A	P
			37	Gharib, M	A	A	P
			38	Miller, T	A	A	P
			39	Sternberg, P	A	A	P
			40	Davis, M	A	A	P
			41	Pierce, N	A	A	P
			42	Gray, H	A	A	P
			43	Roukes, M	A	A	P
			44	Newman, D	A	A	P
			45	Cai, L	A	A	P
			46	Varshavsky, A	A	A	P
			47	Hoelz, A	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	48	Goentoro, L	A	A	P
			49	Guttman, M	A	A	P
			50	Shapiro, M	A	A	P
			51	Ismagilov, R	A	A	P
			52	Meister, M	A	A	P
			53	Chan, D	A	A	P
			54	Zinn, K	A	A	P
			55	Ondrus, A	A	A	P
			56	Voorhees, R	A	A	P
			57	Winfree, E	A	A	P
			58	Wagenaar, D	A	A	P
			60	Parker, J	A	A	P
			61	Thomson, M	A	A	P
			62	Semlow, D	A	A	P
BIOENGINEERING							
BE 001	1-0-0	Frontiers in Bioengineering	01	Bois, J	M 12:00 - 12:55	A	P
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers	01	MacLean, S	MW 10:30 - 11:55	A	
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	01	Arnold, F	A	A	P
			02	Mayo, S	A	A	P
			03	Burdick, J	A	A	P
			04	Kennedy, M	A	A	P
			05	Beauchamp, J	A	A	P
			06	Shimojo, S	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Lester, H	A	A	P
			10	Phillips, R	A	A	P
			11	Dervan, P	A	A	P
			12	Pierce, N	A	A	P

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BIOENGINEERING							
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	13	Gradinaru, V	A	A	P
			14	Ondrus, A	A	A	P
			15	Guttman, M	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Shan, S	A	A	P
			22	Adolphs, R	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Bjorkman, P	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfrey, E	A	A	P
			28	Ismagilov, R	A	A	P
			29	Oka, Y	A	A	P
			30	Kornfield, J	A	A	P
			31	Baltimore, D	A	A	P
			32	Davis, M	A	A	P
			33	Sternberg, P	A	A	P
			34	Meister, M	A	A	P
			35	Aravin, A	A	A	P
			36	Qian, L	A	A	P
			37	Shapiro, M	A	A	P
			38	Mazmanian, S	A	A	P
			39	Van Valen, D	A	A	P
			40	Thomson, M	A	A	P
			41	Dickinson, M	A	A	P
			42	Wang, K	A	A	P
BE/Bi 103B	1-3-5	Statistical Inference in the Biological Sciences	01	Bois, J	T 13:00 - 15:55	A	
					W 09:00 - 09:55	A	
			02	Bois, J	T 19:00 - 21:55	A	

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BIOENGINEERING							
BE/Bi 103B	1-3-5	Statistical Inference in the Biological Sciences	02	Bois, J	W 09:00 - 09:55	A	
BE/Bi 106	3-0-6	Comparative Biomechanics	01	Dickinson, M	MWF 11:00 - 11:55	A	
ChE/BE/MedE 112	3-0-6	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	A	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	A	
Bi/BE 129	3-0-6	The Biology and Treatment of Cancer	01	Campbell, J / Zinn, K	MWF 10:00 - 10:55	A	
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	A	
BE 159	3-0-6	Signal Transduction and Mechanics in Morphogenesis	01	Bois, J	F 10:00 - 10:55 MW 10:00 - 10:55	A A	
			02	Bois, J	MW 10:00 - 10:55 F 11:00 - 11:55	A A	
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Counts towards 'total biology units' requirement in the Biology undergraduate option.</i>	01	Phillips, R	MW 14:30 - 15:55	A	
MedE/EE/BE 168C	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 15:30 - 17:25	A	
Bi/BE 177	3-0-6	Principles of Modern Microscopy	01	Collazo, A	TR 10:30 - 11:55	A	
ChE/BE/MedE 188	3-0-6	Molecular Imaging	01	Shapiro, M	W 19:00 - 21:55	A	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	A	G

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BIOENGINEERING							
BE/CS 196A	3-6-3	Design and Construction of Programmable Molecular Systems	01	Qian, L	TR 13:00 - 15:55	A	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Troian, S	A	A	P
			03	Burdick, J	A	A	P
			04	Rothemund, P	A	A	P
			05	Dervan, P	A	A	P
			06	Goentoro, L	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Newman, D	A	A	P
			10	Lester, H	A	A	P
			11	Guttman, M	A	A	P
			12	Pierce, N	A	A	P
			13	Meister, M	A	A	P
			14	Goddard, W	A	A	P
			15	Ismagilov, R	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Thomson, M	A	A	P
			22	Dickinson, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Lois, C	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfrey, E	A	A	P
			28	Shapiro, M	A	A	P
			29	Phillips, R	A	A	P
			30	Mayo, S	A	A	P
			31	Sternberg, P	A	A	P

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	32	Gradinaru, V	A	A	P
			33	Andersen, R	A	A	P
			34	Qian, L	A	A	P
			35	Kornfield, J	A	A	P
			36	Bjorkman, P	A	A	P
			37	Cai, L	A	A	P
			38	Hong, E	A	A	P
			39	Greer, J	A	A	P
			40	Pachter, L	A	A	P
			41	Mazmanian, S	A	A	P
			42	Wang, K	A	A	P
			44	Van Valen, D	A	A	P
			45	Heath, J	A	A	P
			46	Rutishauser, U	A	A	P
47	Chan, D	A	A	P			
BE 201	+	Reading the Bioengineering Literature <i>Required for first and second year BE grad students // class meets on Mondays, 2-3pm</i>	01	Wang, K	A	A	P
MedE/BE/Ae 243	3-0-6	Physiological Mechanics	01	Roh, C	TR 09:00 - 10:25	A	G
BIOLOGY							
Bi 008	3-0-6	Introduction to Molecular Biology: Regulation of Gene Expression <i>Maximum enrollment: 30 students per section</i>	01	Guttman, M / Hong, E	TR 13:00 - 14:25 W 15:00 - 15:55	A A	
			02	Guttman, M / Hong, E	TR 13:00 - 14:25 R 19:00 - 19:55	A A	
			03	Guttman, M / Hong, E	TR 13:00 - 14:25	A	
					F 14:00 - 14:55	A	
Bi 021	+	Undergraduate Research with Presentation <i>minimum 12 units per term</i>	01	Staff	A	A	P
Bi 022	+	Undergraduate Research	01	Chan, D	A	A	P
			02	Quartz, S	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	03	Allman, J	A	A	P
			04	Anderson, D	A	A	P
			05	Parker, C	A	A	P
			06	Arnold, F	A	A	P
			07	Baltimore, D	A	A	P
			08	Sternberg, P	A	A	P
			09	Lester, H	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Leadbetter, J	A	A	P
			13	Adolphs, R	A	A	P
			14	Shapiro, M	A	A	P
			15	Rothenberg, E	A	A	P
			16	Hay, B	A	A	P
			17	Cai, L	A	A	P
			18	Shan, S	A	A	P
			19	Campbell, J	A	A	P
			20	Clemons, W	A	A	P
			21	Stevenson, D	A	A	P
			22	Orphan, V	A	A	P
			23	Varshavsky, A	A	A	P
			24	Meyerowitz, E	A	A	P
			25	Meister, M	A	A	P
			26	Winfrey, E	A	A	P
			27	Mazmanian, S	A	A	P
			28	Tirrell, D	A	A	P
			29	Shimojo, S	A	A	P
			30	Wold, B	A	A	P
			31	Sternberg, P	A	A	P
			32	Kennedy, M	A	A	P
			33	Newman, D	A	A	P
			34	Hsiao, E	A	A	P
			35	Gradinaru, V	A	A	P

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BIOLOGY										
Bi 022	+	Undergraduate Research	36	Peter Lashgari Faghani, I	A	A	P			
			37	Thomson, M	A	A	P			
			40	Goddard, W	A	A	P			
			41	Stathopoulos, A	A	A	P			
			42	Zinn, K	A	A	P			
			43	Rangel, A	A	A	P			
			45	Davis, M	A	A	P			
			46	Murray, R	A	A	P			
			47	Jensen, G	A	A	P			
			48	Elowitz, M	A	A	P			
			49	Prober, D	A	A	P			
			50	Bronner Hansen, M	A	A	P			
			51	Aravin, A	A	A	P			
			52	Aravin, A	A	A	P			
			53	Clemons, W	A	A	P			
			54	Mazmanian, S	A	A	P			
			55	Newman, D	A	A	P			
			56	Shan, S	A	A	P			
			57	Guttman, M	A	A	P			
			58	Ondrus, A	A	A	P			
			59	Hong, E	A	A	P			
			60	Pachter, L	A	A	P			
			61	Zernicka-Goetz, M	A	A	P			
			62	Wang, K	A	A	P			
			63	Andersen, R	A	A	P			
			64	Van Valen, D	A	A	P			
			65	Glover, D	A	A	P			
			Bi 023	1-0-2	Biology Tutorials <i>See course syllabus link for each section's tutorial title // section 4 cancelled</i>	01	Andreev, A / Lee, D / Huang, A	OM,T 16:30 - 17:25	A	P
						02	Nichols, A / Huang, A	OM,R 16:00 - 16:55	A	P
						03	Karigo, T / Vinograd, A / Weissbourd, B / Huang, A	OM,W 16:00 - 16:55	A	P
04	Yang, S / Huang, A	A				A	P			

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BIOLOGY							
Bi 023	1-0-2	Biology Tutorials <i>See course syllabus link for each section's tutorial title // section 4 cancelled</i>	05	Huang, A	OM,W 16:00 - 16:55	A	P
			06	Huang, A	OM,W 16:00 - 16:55	A	P
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers	01	MacLean, S	MW 10:30 - 11:55	A	
Bi 090B	+	Undergraduate Thesis	01	Doyle, J / Bjorkman, P	A	A	P
			02	Wold, B / Bjorkman, P	A	A	P
			03	Sternberg, P / Bjorkman, P	A	A	P
			04	Lester, H / Bjorkman, P	A	A	P
			05	Newman, D / Bjorkman, P	A	A	P
			06	Anderson, D / Bjorkman, P	A	A	P
			07	Wold, B / Bjorkman, P	A	A	P
			09	Allman, J / Bjorkman, P	A	A	P
			10	Rothenberg, E / Bjorkman, P	A	A	P
			11	Rangel, A / Bjorkman, P	A	A	P
			12	Gradinaru, V / Bjorkman, P	A	A	P
			13	Davis, M / Bjorkman, P	A	A	P
			14	Baltimore, D / Bjorkman, P	A	A	P
			15	Rothenberg, E / Bjorkman, P	A	A	P
			16	Hassibi, B / Bjorkman, P	A	A	P
			17	Bjorkman, P / Hsieh-Wilson, L	A	A	P
			18	Siapas, A / Bjorkman, P	A	A	P
			19	Bjorkman, P / Mazmanian, S	A	A	P
			20	Bronner Hansen, M / Bjorkman, P	A	A	P
			Bi 090C	+	Undergraduate Thesis	01	Bronner Hansen, M / Bjorkman, P

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BIOLOGY							
CNS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	A	
BE/Bi 103B	1-3-5	Statistical Inference in the Biological Sciences	01	Bois, J	T 13:00 - 15:55 W 09:00 - 09:55	A A	
			02	Bois, J	T 19:00 - 21:55 W 09:00 - 09:55	A A	
BE/Bi 106	3-0-6	Comparative Biomechanics	01	Dickinson, M	MWF 11:00 - 11:55	A	
Ch/Bi 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C / Campbell, J	W 14:00 - 15:55	A	
					TR 11:00 - 11:55	A	
Bi 114	3-0-6	Immunology	01	Bjorkman, P / Mazmanian, S	MW 13:30 - 14:55	A	
Bi 117	3-0-6	Developmental Biology	01	Bronner Hansen, M	M 19:00 - 19:55	A	
					TR 13:00 - 14:25	A	
Bi 118	3-0-6	Morphogenesis of Developmental Systems <i>class cancelled</i>	01	Stathopoulos, A	A	A	
Bi/BE 129	3-0-6	The Biology and Treatment of Cancer	01	Campbell, J / Zinn, K	MWF 10:00 - 10:55	A	
Bi 145B	3-0-6	Tissue and Organ Physiology	01	Tydell, C	MW 19:00 - 20:25	A	
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	A	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>open by application only - apply at https://forms.gle/SCjWS1YCiVcp27NR8</i>	01	Adolphs, R / Eberhardt, F	TR 10:30 - 11:55	A	
ESE/Bi 168	3-0-6	Microbial Metabolic Diversity <i>maximum enrollment: 20 students</i>	01	Newman, D	MWF 09:00 - 09:55	A	
Bi/BE 177	3-0-6	Principles of Modern Microscopy	01	Collazo, A	TR 10:30 - 11:55	A	

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BIOLOGY							
Ge/ESE/Bi 178	3-2-4	Microbial Ecology	01	Orphan, V	TR 10:30 - 11:55	A	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	A	G
CNS/Bi/NB 247	2-0-4	Cerebral Cortex	01	Andersen, R	TR 13:00 - 13:55	A	
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology	01	Hay, B	A	A	P
Bi 254	2-0-4	Research Practice in Biology	01	Sternberg, P / Hay, B / Meister, M	M 15:00 - 16:55	A	
Bi 299	+	Graduate Research	01	Stathopoulos, A	A	A	P
			02	Lester, H	A	A	P
			03	Allman, J	A	A	P
			04	Andersen, R	A	A	P
			05	Anderson, D	A	A	P
			06	Varshavsky, A	A	A	P
			07	Mazmanian, S	A	A	P
			08	Ondrus, A	A	A	P
			09	Pachter, L	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Campbell, J	A	A	P
			13	Chan, D	A	A	P
			14	Thomson, M	A	A	P
			15	Baltimore, D	A	A	P
			16	Dickinson, M	A	A	P
			17	Clemons, W	A	A	P
			18	Dunphy, W	A	A	P
			19	Voorhees, R	A	A	P
			20	Goddard, W	A	A	P
			21	Hay, B	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	22	Kennedy, M	A	A	P
			23	Scherer, A	A	A	P
			24	Orphan, V	A	A	P
			25	Arnold, F	A	A	P
			26	Pierce, N	A	A	P
			27	Tsao, D	A	A	P
			28	Mayo, S	A	A	P
			29	Meyerowitz, E	A	A	P
			30	Newman, D	A	A	P
			31	Guo, C	A	A	P
			32	Lois, C	A	A	P
			33	Gharib, M	A	A	P
			34	Kirschvink, J	A	A	P
			35	Hsieh-Wilson, L	A	A	P
			36	Shan, S	A	A	P
			37	Rothenberg, E	A	A	P
			38	Elowitz, M	A	A	P
			39	Guttman, M	A	A	P
			40	Shimojo, S	A	A	P
			41	Phillips, R	A	A	P
			42	Sternberg, P	A	A	P
			43	Cai, L	A	A	P
			44	Goentoro, L	A	A	P
			45	Winfree, E	A	A	P
			46	Wold, B	A	A	P
			47	Jensen, G	A	A	P
			48	Heath, J	A	A	P
			49	Zinn, K	A	A	P
			50	de Kleer, K	A	A	P
			51	Elowitz, M	A	A	P
			52	Prober, D	A	A	P
			53	Adolphs, R	A	A	P
			54	Aravin, A	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	55	Dougherty, D	A	A	P
			56	Tai, Y	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Burdick, J	A	A	P
			59	Meister, M	A	A	P
			60	Siapas, A	A	A	P
			61	Murray, R	A	A	P
			62	Gradinaru, V	A	A	P
			63	Qian, L	A	A	P
			64	Oka, Y	A	A	P
			65	Hsiao, E	A	A	P
			66	Shapiro, M	A	A	P
			67	Hong, E	A	A	P
			68	Ismagilov, R	A	A	P
			69	Phillips, R	A	A	P
			70	Parker, J	A	A	P
			71	Roukes, M	A	A	P
			72	Van Valen, D	A	A	P
73	Wang, K	A	A	P			
74	Zernicka-Goetz, M	A	A	P			
75	Newman, H	A	A	P			
76	Schulman, L	A	A	P			
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P
BEM103	3-0-6	Introduction to Finance	01	Jin, J	TR 13:00 - 14:25	A	G
BEM110	3-0-6	Venture Capital	01	Ewens, M	TR 10:30 - 11:55	A	G

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BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM111	3-0-6	Quantitative Risk and Portfolio Management	01	Winston, K	TR 19:00 - 20:25	A	
CHEMICAL ENGINEERING							
ChE010	1-0-0	Introduction to Chemical Engineering	01	Shapiro, M	T 12:00 - 12:55	A	P
ChE062	3-0-6	Separation Processes	01	Seinfeld, J	MWF 13:00 - 13:55	A	G
ChE063A	3-0-6	Chemical Engineering Thermodynamics <i>sophomore standing required</i>	01	Flagan, R	MWF 14:00 - 14:55	A	G
ChE070	0-0-0	Special Topics in Chemical Engineering: ChemE Car	01	Brady, J / Vicic, M	M 14:00 - 16:55 T 16:00 - 18:55	A A	P
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			02	Giapis, K	A	A	P
			03	Kornfield, J	A	A	P
			04	Haile, S	A	A	P
			05	Ismagilov, R	A	A	P
			06	Lewis, N	A	A	P
			07	Davis, M	A	A	P
			08	Grubbs, R	A	A	P
			09	Shapiro, M	A	A	P
			10	Goddard, W	A	A	P
			11	Hoelz, A	A	A	P
			12	Greer, J	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			15	Shapiro, M	A	A	P
			34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			37	Heath, J	A	A	P
			38	Agapie, T	A	A	P

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CHEMICAL ENGINEERING										
ChE090A	+	Senior Thesis	01	Heath, J	A	A	P			
			02	Giapis, K	A	A	P			
			03	Seinfeld, J	A	A	P			
			04	Tirrell, D	A	A	P			
			06	Flagan, R	A	A	P			
			07	Gavalas, G	A	A	P			
			08	Kornfield, J	A	A	P			
			09	Davis, M	A	A	P			
			10	Haile, S	A	A	P			
			11	Wang, Z	A	A	P			
			13	Brady, J	A	A	P			
			14	Greer, J	A	A	P			
			15	Cai, L / Arnold, F	A	A	P			
			16	Grubbs, R	A	A	P			
			17	Fu, G	A	A	P			
			18	Atwater, H	A	A	P			
			ChE090B	0-4-5	Senior Thesis	01	Giapis, K	A	A	
						02	Tirrell, D	A	A	
03	Kornfield, J	A				A				
04	Arnold, F	A				A				
05	Lewis, N	A				A				
06	Flagan, R	A				A				
08	Mayo, S	A				A				
09	Ismagilov, R	A				A				
10	Seinfeld, J	A				A				
11	Wang, Z	A				A				
Ch/ChE 091	2-0-1	Scientific Writing				01	Parker, C	M 14:00 - 15:55	A	G
ChE101	3-0-6	Chemical Reaction Engineering	01	Davis, M	TR 14:30 - 15:55	A				
ChE103B	3-0-6	Transport Phenomena	01	Shapiro, M	MWF 10:00 - 10:55	A				

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CHEMICAL ENGINEERING							
ChE111	3-0-6	Sustainable Chemical Engineering	01	Kornfield, J	TR 11:30 - 12:55	A	
ChE/BE/MedE 112	3-0-6	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	A	
ChE118	3-0-6	Introduction to the Design of Chemical Systems	01	Vicic, M	MWF 15:00 - 15:55	A	
ChE128	1-6-2	Chemical Engineering Design Laboratory <i>If unable to register, please contact instructor.</i>	01	Vicic, M / Giapis, K	M 12:00 - 12:55 WF 09:00 - 11:55	A A	G
Ch/ChE 140A	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis, N	TR 13:00 - 14:25	A	
ChE141	1-2-6	Data Science for Chemical Systems <i>Max enrollment is 15 students; Priority given to ChE undergrads</i>	01	Vicic, M	TR 10:30 - 11:55	A	
ChE151A	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 09:00 - 09:55	A	G
ESE/ChE 158	3-0-6	Aerosol Physics and Chemistry <i>class cancelled</i>	01	Flagan, R / Seinfeld, J	A	A	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z / Chan, G	TR 10:30 - 11:55	A	
ChE/BE/MedE 188	3-0-6	Molecular Imaging	01	Shapiro, M	W 19:00 - 21:55	A	
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Murray, R	A	A	P
			03	Haile, S	A	A	P
			04	Stoltz, B	A	A	P
			05	Pierce, N	A	A	P
			06	Dougherty, D	A	A	P
			07	Brady, J	A	A	P
			08	Atwater, H	A	A	P

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	09	Elowitz, M	A	A	P
			10	Davis, M	A	A	P
			11	Greer, J	A	A	P
			12	Fultz, B	A	A	P
			13	Flagan, R	A	A	P
			14	See, K	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	Miller, T	A	A	P
			19	Shapiro, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Kornfield, J	A	A	P
			22	Robb, M	A	A	P
			23	Lewis, N	A	A	P
			24	Wei, L	A	A	P
			25	Chan, G	A	A	P
			26	Pachter, L	A	A	P
			27	Wang, K	A	A	P
			36	Tirrell, D	A	A	P
			37	Wang, Z	A	A	P
			40	Seinfeld, J	A	A	P
			41	Heath, J	A	A	P
			46	Ismagilov, R	A	A	P
			47	Guttman, M	A	A	P
CHEMISTRY							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	01	Chan, G / Hoelz, A	MTR 11:00 - 11:55	A	P
					W 14:00 - 14:55	A	
			02	Chan, G / Hoelz, A	MTR 11:00 - 11:55	A	P
					W 14:00 - 14:55	A	
			03	Chan, G / Hoelz, A	MTR 11:00 - 11:55	A	P
					W 15:00 - 15:55	A	

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CHEMISTRY										
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	04	Chan, G / Hoelz, A	MTR 11:00 - 11:55 W 14:00 - 14:55	A A	P			
			05	Chan, G / Hoelz, A	MTR 11:00 - 11:55 W 16:00 - 16:55	A A	P			
			06	Chan, G / Hoelz, A	MTR 11:00 - 11:55 W 14:00 - 14:55	A A	P			
			07	Chan, G / Hoelz, A	MTR 11:00 - 11:55 W 16:00 - 16:55	A A	P			
			08	Chan, G / Hoelz, A	MTR 11:00 - 11:55 R 14:00 - 14:55	A A	P			
			09	Chan, G / Hoelz, A	MTR 11:00 - 11:55 R 16:00 - 16:55	A A	P			
			10	Chan, G / Hoelz, A	MTR 11:00 - 11:55 F 14:00 - 14:55	A A	P			
			11	Chan, G / Hoelz, A	MTR 11:00 - 11:55 F 15:00 - 15:55	A A	P			
			12	Chan, G / Hoelz, A	MTR 11:00 - 11:55 F 16:00 - 16:55	A A	P			
			Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>All Ch 3a and Ch 3x students will be enrolled in Ch 3a with combined experiments. // Maximum enrollment: 90 students // Seniors who entered in 2017 must take course on Letter Grades, all others pass-fail</i>	01	Mendez, J	A	A	P
			Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Ch 3x is combined with Ch 3a this term. All Ch 3a and Ch 3x students will be enrolled in Ch 3a with combined experiments..</i>	01	Staff	A	A	P
			Ch 004A	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>class cancelled</i>	01	Mendez, J	A	A	

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CHEMISTRY							
Ch 005A	1-9-2	Advanced Techniques of Synthesis and Analysis <i>class cancelled</i>	01	Grubbs, R	A	A	
Ch 008	1-6-2	Experimental Procedures of Synthetic Chemistry for Premedical Students <i>open to senior pre-med students only, contact instructor to enroll</i>	01	Mendez, J	A	A	
Ch 010B	1-0-0	Frontiers in Chemistry <i>Lab Hours TBA // open to freshmen and sophomores only</i>	01	Hoelz, A	R 12:00 - 12:55	A	P
Ch 014	3-0-6	Chemical Equilibrium and Analysis	01	Rees, D	MWF 11:00 - 11:55	A	
Ch 021B	3-0-6	Physical Chemistry	01	Wei, L	MWF 13:00 - 13:55	A	G
Ch 041B	4-0-5	Organic Chemistry	01	Hsieh-Wilson, L	MWF 09:00 - 09:55 W 15:00 - 15:55	A A	
			02	Hsieh-Wilson, L	MWF 09:00 - 09:55 W 20:00 - 20:55	A A	
			03	Hsieh-Wilson, L	MWF 09:00 - 09:55 R 15:00 - 15:55	A A	
			04	Hsieh-Wilson, L	MWF 09:00 - 09:55 R 20:00 - 20:55	A A	
Ch 080	+	Chemical Research	01	Dervan, P	A	A	P
			02	Hsieh-Wilson, L	A	A	P
			03	Barton, J	A	A	P
			04	Beauchamp, J	A	A	P
			05	Grubbs, R	A	A	P
			06	Goddard, W	A	A	P
			07	Marcus, R	A	A	P
			08	Shan, S	A	A	P
			09	Bercaw, J	A	A	P
			10	Heath, J	A	A	P
			11	Agapie, T	A	A	P

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CHEMISTRY							
Ch 080	+	Chemical Research	12	Davis, M	A	A	P
			13	Chan, G	A	A	P
			14	Shapiro, M	A	A	P
			15	Arnold, F	A	A	P
			16	Haile, S	A	A	P
			17	Gray, H	A	A	P
			18	Virgil, S	A	A	P
			20	Kornfield, J	A	A	P
			21	Rossman, G	A	A	P
			22	Wei, L	A	A	P
			27	Okumura, M	A	A	P
			29	Peters, J	A	A	P
			30	Gao, W	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Reisman, S	A	A	P
			38	Weitekamp, D	A	A	P
			39	Lewis, N	A	A	P
			40	Rees, D	A	A	P
			41	Hoelz, A	A	A	P
			42	Fu, G	A	A	P
43	Dougherty, D	A	A	P			
44	Hoffmann, M	A	A	P			
45	Holst, M	A	A	P			
46	Clemons, W	A	A	P			
47	Blake, G	A	A	P			
48	Ondrus, A	A	A	P			
49	Cushing, S	A	A	P			
Ch 081	+	Independent Reading in Chemistry	02	Reisman, S	A	A	P
			03	Hoelz, A	A	A	P
			04	Gray, H	A	A	P
			06	Goddard, W	A	A	P
			22	Lewis, N	A	A	P

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CHEMISTRY							
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01	Rees, D / Agapie, T	A	A	P
			02	Shapiro, M / Agapie, T	A	A	P
			03	Agapie, T / Hoelz, A	A	A	P
			04	Grubbs, R / Agapie, T	A	A	P
			05	Agapie, T / Agapie, T	A	A	P
			06	Peters, J / Agapie, T	A	A	P
			07	Tirrell, D / Agapie, T	A	A	P
			08	Stoltz, B / Agapie, T	A	A	P
			09	Gray, H / Agapie, T	A	A	P
			10	Asimow, P / Agapie, T	A	A	P
			11	Dougherty, D / Agapie, T	A	A	P
			12	Wei, L / Agapie, T	A	A	P
			13	Rossmann, G / Agapie, T	A	A	P
			14	Reisman, S / Agapie, T	A	A	P
			15	Hsieh-Wilson, L / Agapie, T	A	A	P
			16	Hoelz, A / Agapie, T	A	A	P
			17	Chan, G / Agapie, T	A	A	P
			18	Arnold, F / Agapie, T	A	A	P
			19	Hadt, R / Agapie, T	A	A	P
Ch 090	2-0-1	Oral Presentation <i>maximum enrollment: 12 students</i>	01	Bikle, K	W 10:00 - 11:55	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	A	G
Ch 104	4-0-5	Intermediate Organic Chemistry	01	Fu, G	TR 10:00 - 11:55	A	
Ch/Bi 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C / Campbell, J	W 14:00 - 15:55 TR 11:00 - 11:55	A A	
Ch 120A	3-0-6	Nature of the Chemical Bond	01	Goddard, W	MWF 14:00 - 14:55	A	

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CHEMISTRY							
Ch 125B	3-0-6	The Elements of Quantum Chemistry	01	Weitekamp, D	MWF 13:00 - 13:55	A	
Ch/ChE 140A	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis, N	TR 13:00 - 14:25	A	
Ch 153A	3-0-6	Advanced Inorganic Chemistry	01	Gray, H / Winkler, J	F 10:00 - 11:55	A	
Ch 154A	3-0-6	Organometallic Chemistry	01	Peters, J / Agapie, T	MF 14:00 - 15:25	A	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z / Chan, G	TR 10:30 - 11:55	A	
ESE/Ch 176	3-0-6	Environmental Physical Organic Chemistry Part I	01	Hoffmann, M	MWF 10:00 - 10:55	A	
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
			02	Gray, H	A	A	P
			03	Giapis, K	A	A	P
			04	Goddard, W	A	A	P
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	R 12:00 - 12:55	A	P
Ch 213B	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	A	
Ch 279	+	Rotations in Chemistry	01	Agapie, T	A	A	P
			02	Arnold, F	A	A	P
			03	Atwater, H	A	A	P
			04	Barton, J	A	A	P
			05	Beauchamp, J	A	A	P
			06	Bjorkman, P	A	A	P
			07	Blake, G	A	A	P
			08	Blanquart, G	A	A	P
			09	Campbell, J	A	A	P

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CHEMISTRY							
Ch 279	+	Rotations in Chemistry	10	Chan, G	A	A	P
			11	Clemons, W	A	A	P
			12	Cushing, S	A	A	P
			13	Davis, M	A	A	P
			14	Dervan, P	A	A	P
			15	Dougherty, D	A	A	P
			16	Elowitz, M	A	A	P
			17	Fu, G	A	A	P
			18	Goddard, W	A	A	P
			19	Gray, H	A	A	P
			20	Greer, J	A	A	P
			21	Grubbs, R	A	A	P
			22	Hadt, R	A	A	P
			23	Haile, S	A	A	P
			24	Hoelz, A	A	A	P
			25	Hoffmann, M	A	A	P
			26	Hsieh-Wilson, L	A	A	P
			27	Ismagilov, R	A	A	P
			28	Jensen, G	A	A	P
			29	Kornfield, J	A	A	P
			30	Lester, H	A	A	P
			31	Lewis, N	A	A	P
			32	Mayo, S	A	A	P
			33	Miller, T	A	A	P
			34	Newman, D	A	A	P
			35	Okumura, M	A	A	P
			36	Ondrus, A	A	A	P
			37	Peters, J	A	A	P
			38	Pierce, N	A	A	P
			39	Rees, D	A	A	P
			40	Reisman, S	A	A	P
			41	Robb, M	A	A	P
			43	See, K	A	A	P

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CHEMISTRY							
Ch 279	+	Rotations in Chemistry	44	Seinfeld, J	A	A	P
			45	Shan, S	A	A	P
			46	Shapiro, M	A	A	P
			47	Sternberg, P	A	A	P
			48	Stoltz, B	A	A	P
			49	Tirrell, D	A	A	P
			50	Wang, Z	A	A	P
			51	Wei, L	A	A	P
			52	Weitekamp, D	A	A	P
			53	Wennberg, P	A	A	P
			Ch 280	+	Chemical Research	01	Arnold, F
02	Bjorkman, P	A				A	P
03	Barton, J	A				A	P
04	Beauchamp, J	A				A	P
05	Bercaw, J	A				A	P
06	Blake, G	A				A	P
07	Chan, G	A				A	P
08	Cai, L	A				A	P
09	Fu, G	A				A	P
10	Davis, M	A				A	P
11	Dervan, P	A				A	P
12	Dougherty, D	A				A	P
13	Goentoro, L	A				A	P
14	Miller, T	A				A	P
15	Reisman, S	A				A	P
16	Goddard, W	A				A	P
17	Gray, H	A				A	P
18	Grubbs, R	A				A	P
19	Hsieh-Wilson, L	A				A	P
20	Kornfield, J	A				A	P
21	Wang, Z	A				A	P
22	Lewis, N	A				A	P
23	Atwater, H	A				A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	24	Hoffmann, M	A	A	P
			25	Mayo, S	A	A	P
			26	Clemons, W	A	A	P
			27	Okumura, M	A	A	P
			28	Ismagilov, R	A	A	P
			29	Peters, J	A	A	P
			30	Rees, D	A	A	P
			31	Cushing, S	A	A	P
			32	Sternberg, P	A	A	P
			33	Newman, D	A	A	P
			34	Seinfeld, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Ondrus, A	A	A	P
			38	Weitekamp, D	A	A	P
			39	Blanquart, G	A	A	P
			40	Greer, J	A	A	P
			41	Atwater, H	A	A	P
			42	Lester, H	A	A	P
			43	Campbell, J	A	A	P
			44	Pierce, N	A	A	P
			45	Asimow, P	A	A	P
			46	Wennberg, P	A	A	P
			47	Heath, J	A	A	P
			48	Elowitz, M	A	A	P
			49	Shan, S	A	A	P
			50	Agapie, T	A	A	P
			51	Hoelz, A	A	A	P
			52	Hadt, R	A	A	P
			53	Shapiro, M	A	A	P
			54	Jensen, G	A	A	P
			55	Adkins, J	A	A	P
			56	See, K	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	57	Tai, Y	A	A	P
			58	Parker, J	A	A	P
			59	Robb, M	A	A	P
			60	Wei, L	A	A	P
			61	Voorhees, R	A	A	P
			62	Eiler, J	A	A	P
			63	Van Valen, D	A	A	P
			64	Minnich, A	A	A	P
			65	Faber, K	A	A	P
CIVIL ENGINEERING							
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Dimotakis, P	MWF 10:00 - 10:55	A	P
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	MWF 09:00 - 09:55	A	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	P
Ae/CE 165B	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	M 15:00 - 15:55	A	
					W 10:00 - 10:55	A	
ME/CE/Ge 174	3-0-6	Mechanics of Rocks	01	Lapusta, N	TR 13:00 - 14:25	A	
CE 200	+	Advanced Work in Civil Engineering	01	Asimaki, D	A	A	P
CE 300	+	Research in Civil Engineering	01	Asimaki, D	A	A	P
			02	Heaton, T	A	A	P
			03	Daraio, C	A	A	P
			04	Pellegrino, S	A	A	P
			05	Lapusta, N	A	A	P
			06	Andrade, J	A	A	P
			07	Fu, X	A	A	P

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COMPUTATION & NEURAL SYS							
CNS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	A	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Pachter, L	TR 14:30 - 15:55	A	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>open by application only - apply at</i> <i>https://forms.gle/SCjWS1YCiVcp27NR8</i>	01	Adolphs, R / Eberhardt, F	TR 10:30 - 11:55	A	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	A	
CNS180	+	Research in Computation and Neural Systems	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Perona, P	A	A	P
			04	Fraser, S	A	A	P
			05	Oka, Y	A	A	P
			06	Hoffmann, M	A	A	P
			07	Allman, J	A	A	P
			08	Lester, H	A	A	P
			09	Hong, E	A	A	P
			10	Pachter, L	A	A	P
			11	Murray, R	A	A	P
			12	Allman, J	A	A	P
			13	Gradinaru, V	A	A	P
			14	Shimojo, S	A	A	P
			15	Tsao, D	A	A	P
			16	Wold, B	A	A	P
			17	Winfrey, E	A	A	P
			18	Rangel, A	A	A	P
			19	Siapas, A	A	A	P
			20	Prober, D	A	A	P
			22	Andersen, R	A	A	P
			23	Elowitz, M	A	A	P
			24	Anderson, D	A	A	P

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COMPUTATION & NEURAL SYS							
CNS180	+	Research in Computation and Neural Systems	25	Adolphs, R	A	A	P
			26	Kennedy, M	A	A	P
			27	Quartz, S	A	A	P
			28	O'Doherty, J	A	A	P
			29	Camerer, C	A	A	P
			30	Meister, M	A	A	P
			31	Shapiro, M	A	A	P
			32	Yue, Y	A	A	P
			33	Thomson, M	A	A	P
			34	Anandkumar, A	A	A	P
			35	Dickinson, M	A	A	P
			36	Rutishauser, U	A	A	P
			37	Ames, A	A	A	P
			BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E
CNS/Bi/NB 247	2-0-4	Cerebral Cortex	01	Andersen, R	TR 13:00 - 13:55	A	
CNS251	2-1-6	Human Brain Mapping: Theory and Practice <i>maximum enrollment: 20 students</i>	01	O'Doherty, J	R 13:30 - 15:25	A	G
CNS280	+	Research in Computation and Neural Systems	01	Meister, M	A	A	P
			02	Elowitz, M	A	A	P
			03	Andersen, R	A	A	P
			04	Oka, Y	A	A	P
			05	Winfree, E	A	A	P
			06	Siapas, A	A	A	P
			07	Quartz, S	A	A	P
			08	Adolphs, R	A	A	P
			09	Murray, R	A	A	P
			10	Tsao, D	A	A	P
			12	Scherer, A	A	A	P
			13	Camerer, C	A	A	P
			14	Sternberg, P	A	A	P

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COMPUTATION & NEURAL SYS							
CNS280	+	Research in Computation and Neural Systems	15	Perona, P	A	A	P
			16	Allman, J	A	A	P
			17	Gradinaru, V	A	A	P
			18	Pachter, L	A	A	P
			19	Bruck, J	A	A	P
			20	Burdick, J	A	A	P
			21	Shimojo, S	A	A	P
			22	Lester, H	A	A	P
			23	Wold, B	A	A	P
			24	Dickinson, M	A	A	P
			25	Hoffmann, M	A	A	P
			26	Rangel, A	A	A	P
			28	O'Doherty, J	A	A	P
			29	Thomson, M	A	A	P
			30	Lois, C	A	A	P
31	Mobbs, D	A	A	P			
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Mobbs, D	M 19:00 - 19:55	A	P
COMPUTER SCIENCE							
CS 002	3-5-1	Introduction to Programming Methods <i>maximum enrollment: 25 students per section</i>	01	Blank, A	MWF 14:00 - 14:55 T 13:00 - 13:55	A	P
			02	Blank, A	MWF 14:00 - 14:55 T 14:00 - 14:55	A	P
			03	Blank, A	MWF 14:00 - 14:55 T 15:00 - 15:55	A	P
			04	Blank, A	MWF 14:00 - 14:55 T 16:00 - 16:55	A	P
			05	Blank, A	MWF 14:00 - 14:55 T 17:00 - 17:55	A	P
			06	Blank, A	MWF 14:00 - 14:55 T 18:00 - 18:55	A	P
			07	Blank, A	MWF 14:00 - 14:55	A	P

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COMPUTER SCIENCE							
CS 002	3-5-1	Introduction to Programming Methods <i>maximum enrollment: 25 students per section</i>	07	Blank, A	T 19:00 - 19:55	A	P
CS 004	3-4-2	Fundamentals of Computer Programming	01	Vanier, M	MWF 15:00 - 15:55	A	G
EE/CS 010A	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 12:00 - 12:55	A	
CS 011	0-3-0	Computer Language Lab <i>CS 1 or instructor's permission is required. // Sec 1: C, Sec 4: Javascript, Sec 11: Special Topics, Sec 12: Projects</i>	01	Vanier, M	OM,M 21:00 - 21:55	A	P
			04	Hovik, M / Vanier, M	OM,M 21:00 - 21:55	A	P
			11	Vanier, M / Blank, A	OM,M 21:00 - 21:55	A	P
			12	Vanier, M	OM,M 21:00 - 21:55	A	P
CS 021	3-0-6	Decidability and Tractability	01	Umans, C	MWF 13:00 - 13:55	A	G
CS 042	2-2-2	Computer Science Education in K-14 Settings <i>enrollment by application instructor permission required to add</i>	01	Ralph, C / Blank, A	F 12:00 - 15:55	A	P
CS 080B	+	Undergraduate Thesis	01	Chandy, K	A	A	P
			02	Wierman, A	A	A	P
			03	Schroeder, P	A	A	P
			04	Winfree, E	A	A	P
			05	Barr, A	A	A	P
			06	Murray, R	A	A	P
			07	Vidick, T	A	A	P
			08	Yue, Y	A	A	P
			09	Perona, P	A	A	P
			10	Umans, C	A	A	P
			11	Schulman, L	A	A	P
			12	Desbrun, M	A	A	P
			13	Bruck, J	A	A	P
			14	Chung, S	A	A	P
			15	Virgil, S	A	A	P
			16	Katz, N	A	A	P

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COMPUTER SCIENCE							
CS 080B	+	Undergraduate Thesis	17	Anandkumar, A	A	A	P
			18	Adolphs, R	A	A	P
			19	Rangel, A	A	A	P
			20	Bouman, K	A	A	P
			21	Bruno, O	A	A	P
CS 081B	+	Undergraduate Projects in Computer Science	01	Pinkston, D	A	A	P
			02	Winfree, E	A	A	P
			03	Barr, A	A	A	P
			04	Chandy, K	A	A	P
			05	Mahabal, A	A	A	P
			06	Wierman, A	A	A	P
			07	Desbrun, M	A	A	P
			08	Rangel, A	A	A	P
			09	Vanier, M	A	A	P
			10	Perona, P	A	A	P
			11	Murray, R	A	A	P
			12	Adolphs, R	A	A	P
			13	Umans, C	A	A	P
			14	Burdick, J	A	A	P
			15	Low, S	A	A	P
			16	Plott, C	A	A	P
			17	Yue, Y	A	A	P
			18	Hassibi, B	A	A	P
			19	Djorgovski, S	A	A	P
			20	Schroeder, P	A	A	P
			21	Alvarez, R	A	A	P
			22	Stalzer, M	A	A	P
			23	Ralph, C	A	A	P
			24	George, G	A	A	P
			25	Vidick, T	A	A	P
			26	Schulman, L	A	A	P
			27	Bunn, J	A	A	P
			28	Preskill, J	A	A	P

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COMPUTER SCIENCE							
CS 081B	+	Undergraduate Projects in Computer Science	29	Abu-Mostafa, Y	A	A	P
			30	Chung, S	A	A	P
			31	Thomson, M	A	A	P
			32	Chung, S	A	A	P
			33	Thomson, M	A	A	P
			34	Blank, A	A	A	P
			35	Ames, A	A	A	P
			36	Bruck, J	A	A	P
			37	Rangel, A	A	A	P
			38	Tamuz, O	A	A	P
			39	Anandkumar, A	A	A	P
			40	Van Valen, D	A	A	P
			41	Bouman, K	A	A	P
			43	Stalzer, M	A	A	P
44	Bruno, O	A	A	P			
CS 090	+	Undergraduate Reading in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Low, S	A	A	P
			03	Blank, A	A	A	P
			04	Schroeder, P	A	A	P
			05	Winfrey, E	A	A	P
			06	Umans, C	A	A	P
			07	Desbrun, M	A	A	P
			08	Barr, A	A	A	P
			10	Perona, P	A	A	P
			11	Chandy, K	A	A	P
			13	Murray, R	A	A	P
			14	Wierman, A	A	A	P
			15	Vanier, M	A	A	P
			16	Yue, Y	A	A	P
17	Ralph, C	A	A	P			
18	Schulman, L	A	A	P			
19	Anderson, D	A	A	P			

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COMPUTER SCIENCE							
CS 101B	3-4-2	Special Topics in Computer Science: Interactive Theorem Proving <i>unit breakdown (3-4-2), prerequisite CS 4</i>	01	Vanier, M	OM,M 10:00 - 10:55	A	
CS 102B	+	Seminar in Computer Science	01	Staff	A	A	
CS 103B	+	Reading in Computer Science	01	Staff	A	A	P
HPS/PI/CS 110	3-0-6	Causation and Explanation <i>open by lottery only; see link on the REGIS home page to enter by 8am on November 18th // maximum enrollment: 15 students</i>	01	Eberhardt, F	TR 13:00 - 14:25	A	
CS 111	0-3-0	Graduate Programming Practicum <i>Sec 1: C, Sec 4: Javascript, Sec 11: Special Topics, Sec 12: Projects</i>	01	Vanier, M	OM,M 21:00 - 21:55	A	P
			04	Hovik, M / Vanier, M	OM,M 21:00 - 21:55	A	P
			11	Vanier, M / Blank, A	OM,M 21:00 - 21:55	A	P
			12	Vanier, M	OM,M 21:00 - 21:55	A	P
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	A	
Ma/CS 117B	3-0-6	Computability Theory	01	Vidnyanszky, Z	TR 13:00 - 14:25	A	
EE/CS 119B	3-3-3	Advanced Digital Systems Design	01	George, G	TF 16:00 - 16:55	A	
CS/IDS 121	3-0-6	Relational Databases	01	Hovik, M	TR 10:30 - 11:55	A	
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	A	G
CS 130	3-0-6	Software Engineering	01	Pinkston, D	MWF 11:00 - 11:55	A	
ME/CS/EE 133B	3-3-3	Robotics	01	Niemeyer, G	MWF 11:00 - 11:55	A	

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COMPUTER SCIENCE							
ME/CS/EE 134	3-6-0	Robotic Systems <i>class cancelled - may be offered spring term</i>	01	Niemeyer, G	A	A	
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Mahadev, U	MW 10:30 - 11:55	A	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Wierman, A	TR 10:30 - 11:55	A	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Pachter, L	TR 14:30 - 15:55	A	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Kostina, V	TR 10:30 - 11:55	A	
CS/IDS 162	3-0-6	Data, Algorithms and Society <i>Taught concurrently with VC 072 // maximum enrollment: 15 students between VC 72 and CS/IDS 162 // instructor permission required to add</i>	01	Ralph, C / Mushkin, H	TR 14:30 - 15:55	A	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	A	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			04	Chandy, K	A	A	P
			05	Desbrun, M	A	A	P
			06	Kitaev, A	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Yariv, A	A	A	P
			10	Barr, A	A	A	P
			11	Schroeder, P	A	A	P
			12	Wierman, A	A	A	P
			13	Winfree, E	A	A	P
			14	Wold, B	A	A	P
			15	Krause, R	A	A	P

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COMPUTER SCIENCE							
CS 180	+	Master's Thesis Research	17	Perona, P	A	A	P
			18	Ligett, K	A	A	P
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	A	G
BE/CS 196A	3-6-3	Design and Construction of Programmable Molecular Systems	01	Qian, L	TR 13:00 - 15:55	A	
Ph/CS 219B	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	A	P
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			03	Barr, A	A	A	P
			04	Chandy, K	A	A	P
			05	Desbrun, M	A	A	P
			06	Cvitanić, J	A	A	P
			07	Winfree, E	A	A	P
			08	Low, S	A	A	P
			09	Martin, A	A	A	P
			10	Winfree, E	A	A	P
			11	Perona, P	A	A	P
			12	Schroeder, P	A	A	P
			13	Chandrasekaran, V	A	A	P
			14	Kitaev, A	A	A	P
			15	Wierman, A	A	A	P
			16	Ligett, K	A	A	P
			17	Doyle, J	A	A	P
			18	Murray, R	A	A	P
			19	Vidick, T	A	A	P
			20	Yue, Y	A	A	P
CS 287	+	Center for the Mathematics of Information Seminar	01	Staff	T 16:00 - 16:55	A	P

COMPUTING AND MATHEMATICAL SCIENCES

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COMPUTING AND MATHEMATICAL SCIENCES							
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Mahadev, U	MW 10:30 - 11:55	A	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Wierman, A	TR 10:30 - 11:55	A	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Pachter, L	TR 14:30 - 15:55	A	
CMS270	0-0-0	Advanced Topics in Computing and Mathematical Sciences <i>unit breakdown (1-0-8)</i>	03	Murray, R	OM,W 13:00 - 13:55	A	
CMS290B	1-0-0	Computing and Mathematical Sciences Colloquium	01	Hou, Y	M 16:00 - 16:55	A	P
CMS300	+	Research in Computing and Mathematical Sciences	01	Wierman, A	A	A	P
			02	Vidick, T	A	A	P
			03	Beck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Doyle, J	A	A	P
			06	Murray, R	A	A	P
			07	Owhadi, H	A	A	P
			08	Barr, A	A	A	P
			09	Chandrasekaran, V	A	A	P
			10	Desbrun, M	A	A	P
			11	Low, S	A	A	P
			12	Perona, P	A	A	P
			13	Schroeder, P	A	A	P
			14	Schulman, L	A	A	P
			15	Umans, C	A	A	P
			16	Winfrey, E	A	A	P
			17	Yue, Y	A	A	P
			18	Chung, S	A	A	P
			19	Pachter, L	A	A	P
			20	Anandkumar, A	A	A	P
			21	Stuart, A	A	A	P

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COMPUTING AND MATHEMATICAL SCIENCES							
CMS300	+	Research in Computing and Mathematical Sciences	22	Thomson, M	A	A	P
			23	Van Valen, D	A	A	P
			24	Bouman, K	A	A	P
CONTROL & DYNAMICAL SYSTEMS							
CDS090B	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Murray, R	A	A	G
			02	Chung, S	A	A	G
CDS190	+	Independent Work in Control and Dynamical Systems	01	Staff	A	A	P
CDS231	3-2-4	Robust Control Theory <i>Not offered this year, consider instead taking CDS 270 Robust Learning</i>	01	Staff	A	A	
CDS232	3-0-6	Nonlinear Dynamics	01	Ames, A	MWF 11:00 - 12:25	A	
CDS270	+	Advanced Topics in Systems and Control: Robust Learning <i>3-12 units by arrangement</i>	01	Doyle, J	TR 13:00 - 14:25	A	P
CDS300B	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P
			02	Adolphs, R	A	A	P
			03	Doyle, J	A	A	P
			04	Owhadi, H	A	A	P
			05	Siapas, A	A	A	P
			06	Goentoro, L	A	A	P
			07	Dickinson, M	A	A	P
			08	Murray, R	A	A	P
			11	Elowitz, M	A	A	P
			12	Desbrun, M	A	A	P
			13	Ortiz, M	A	A	P
			14	Beck, J	A	A	P
			16	Ames, A	A	A	P
			17	Chung, S	A	A	P

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ECONOMICS							
Ec 011	3-2-4	Introduction to Economics	01	Rangel, A	TR 13:00 - 14:25	A	
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Echenique, F	A	A	P
			02	Ledyard, J	A	A	P
			03	Camerer, C	A	A	P
Ec 098B	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Agranov, M	A	A	P
			02	Camerer, C	A	A	P
			03	Echenique, F	A	A	P
Ec 109	3-0-6	Frontier in Behavioral Economics	01	Nielsen, K	MWF 09:00 - 09:55	A	
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	A	
Ec 121B	3-0-6	Theory of Value	01	Saito, K	TR 14:30 - 15:55	A	G
Ec 123	3-0-6	Analysis of Consumer Choices <i>maximum enrollment: 20 students</i>	01	Xin, Y	TR 13:00 - 14:25	A	G
Ec 140	3-0-6	Economic Progress <i>designated as writing intensive course</i>	01	Hoffman, P	TR 09:00 - 10:25	A	G
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260// Completion of Ec/PS 160A required for b and c classes //Max of 10 students for both Ec 160 & SS 260</i>	01	Plott, C	TR 09:00 - 10:25	A	G
ELECTRICAL ENGINEERING							
EE 002	1-0-0	Electrical Engineering Entrepreneurial and Research Seminar	01	Emami, A	W 12:00 - 12:55	A	P
EE/CS 010A	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 12:00 - 12:55	A	
APh/EE 024	3-0-6	Introductory Optics and Photonics Laboratory <i>class cancelled</i>	01	Faraon, A	A	A	

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ELECTRICAL ENGINEERING							
EE 040	3-0-6	Physics of Electrical Engineering	01	Marandi, A	MW 13:00 - 14:25	A	
EE 045	3-3-6	Electronics Systems and Laboratory <i>to be offered spring term // EE sophomores should take EE 40 this term instead</i>	01	Emami, A / Kalantar Ohanian, R	A	A	
EE 080B	+	Senior Thesis	01	Hajimiri, S	A	A	P
			02	Effros, M	A	A	P
			03	Doyle, J	A	A	P
			04	Tai, Y	A	A	P
			05	Hassibi, B	A	A	P
			06	Abbott, R	A	A	P
			07	George, G	A	A	P
			08	Emami, A	A	A	P
			10	Van Valen, D	A	A	P
			11	Scherer, A	A	A	P
EE 091B	1-8-0	Experimental Projects in Electronic Circuits	01	Kalantar Ohanian, R	OM,M 18:00 - 18:55	A	
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Perona, P	A	A	P
			03	George, G	A	A	P
			04	Atwater, H	A	A	P
			05	Murray, R	A	A	P
			06	Emami, A	A	A	P
			07	Gharib, M	A	A	P
			08	Low, S	A	A	P
			09	Yang, C	A	A	P
			10	Hajimiri, S	A	A	P
			11	Burdick, J	A	A	P
			12	Tai, Y	A	A	P
			13	Yariv, A	A	A	P
			14	Bruck, J	A	A	P
			15	Marandi, A	A	A	P

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ELECTRICAL ENGINEERING							
EE 099	+	Advanced Work in Electrical Engineering	16	Hassibi, B	A	A	P
			17	Wang, L	A	A	P
EE 105B	1-0-0	Electrical Engineering Seminar	01	Emami, A	A	A	P
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y / Huang, D	TR 13:00 - 14:25	A	
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	OM,R 16:00 - 16:55	A	
EE/MedE 114A	4-0-8	Analog Circuit Design	01	Hajimiri, S	TR 09:00 - 10:55	A	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	A	
EE/CS 119B	3-3-3	Advanced Digital Systems Design	01	George, G	TF 16:00 - 16:55	A	
EE/APh 120	3-0-6	Physical Optics	01	Mirhosseini Niri, S	TR 10:30 - 11:55	A	G
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	A	G
ME/CS/EE 133B	3-3-3	Robotics	01	Niemeyer, G	MWF 11:00 - 11:55	A	
ME/CS/EE 134	3-6-0	Robotic Systems <i>class cancelled - may be offered spring term</i>	01	Niemeyer, G	A	A	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Wierman, A	TR 10:30 - 11:55	A	
EE 152	2-3-7	High Frequency Systems Laboratory <i>class cancelled</i>	01	Russell, D	A	A	
EE 154A	2-3-4	Practical Electronics for Space Applications <i>class cancelled</i>	01	Klesh, A	A	A	

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ELECTRICAL ENGINEERING							
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Pachter, L	TR 14:30 - 15:55	A	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Kostina, V	TR 10:30 - 11:55	A	
EE 164	3-0-6	Stochastic and Adaptive Signal Processing	01	Hassibi, B	TR 13:00 - 14:25	A	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	A	
MedE/EE/BE 168C	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 15:30 - 17:25	A	
EE 291	+	Advanced Work in Electrical Engineering	01	Abu-Mostafa, Y	A	A	P
			02	Kostina, V	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Heath, J	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Vahala, K	A	A	P
			09	George, G	A	A	P
			10	Yeh, N	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hassibi, B	A	A	P
			13	Zmuidzinas, J	A	A	P
			14	Low, S	A	A	P
			15	Anderson, D	A	A	P
			16	Atwater, H	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Gharib, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Mirhosseini Niri, S	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	22	Phillips, R	A	A	P
			23	Cvitanic, J	A	A	P
			24	Quartz, S	A	A	P
			26	Scherer, A	A	A	P
			28	Tai, Y	A	A	P
			29	Vaidyanathan, P	A	A	P
			30	Yariv, A	A	A	P
			31	Chandrasekaran, V	A	A	P
			32	Roukes, M	A	A	P
			33	Avouac, J	A	A	P
			34	Weinreb, S	A	A	P
			35	Hallinan, G	A	A	P
			36	Martin, A	A	A	P
			37	Yang, C	A	A	P
			38	Emami, A	A	A	P
			39	Painter, O	A	A	P
			40	Faraon, A	A	A	P
			41	Lahouti, F	A	A	P
			42	Minnich, A	A	A	P
			43	Rees, D	A	A	P
44	Yue, Y	A	A	P			
46	Shapiro, M	A	A	P			
47	Wang, L	A	A	P			
48	Tsao, D	A	A	P			
49	Marandi, A	A	A	P			
ENGINEERING							
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>maximum enrollment: 25 students</i>	01	Weaver, J	W 10:00 - 11:55	A	P
ENGLISH							

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ENGLISH							
Hum/En 020	3-0-6	The Epic Tradition <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	A	
Hum/En 034	3-0-6	Literature and Deception <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Holland, J	TR 13:00 - 14:25	A	
Hum/En 040	3-0-6	Power, Politics, and Travel Literature: From Travelogue to TripAdvisor <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Hori, J	TR 14:30 - 15:55	A	
En 086	3-0-6	Fiction and Creative Nonfiction Writing <i>Fiction Writing // Maximum enrollment: 14 students</i>	01	Lepucki, E	W 19:00 - 21:55	A	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Jahner, J	A	A	P
En 099A	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Weinstein, C	A	A	G
En 099B	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Gilmartin, K	A	A	G
En 111	3-0-6	Violence and Reconciliation on the Shakespearean Stage <i>maximum enrollment: 15 students</i>	01	Koch, J	TR 14:30 - 15:55	A	
En/VC 117	3-0-6	Picturing the Universe <i>maximum enrollment: 15 students</i>	01	Sullivan, A	TR 10:30 - 11:55	A	
En 118	3-0-6	Classical Mythology <i>maximum enrollment: 20 students</i>	01	Haugen, K	R 19:00 - 21:55	A	
En 120	3-0-6	What Women Want: Desire and the Modern American Novel <i>maximum enrollment: 15 students</i>	01	Jurca, C	TR 10:30 - 11:55	A	

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ENGLISH							
En/VC 170	3-0-6	Plantation Imaginaries <i>maximum enrollment: 15 students</i>	01	Hori, J	TR 10:30 - 11:55	A	
ENGLISH AS A SECOND LANGUAGE							
ESL101B	3-0-0	Oral Communication and Pronunciation	01	Ashleigh, S	MW 17:00 - 18:25	A	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Leadbetter, J	A	A	P
			02	Flagan, R	A	A	P
			03	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Newman, D	A	A	P
			06	Thompson, A	A	A	P
			07	Bordoni, S	A	A	P
			08	Adkins, J	A	A	P
			09	Frankenberg, C	A	A	P
ESE100	+	Special Problems in Environmental Engineering Science <i>up to 12 units by arrangement</i>	01	Schneider, T	A	A	P
			02	Ingersoll, A	A	A	P
			03	Wennberg, P	A	A	P
			04	Hoffmann, M	A	A	P
			05	Adkins, J	A	A	P
			06	Leadbetter, J	A	A	P
			07	Bordoni, S	A	A	P
			08	Yung, Y	A	A	P
			09	Seinfeld, J	A	A	P
			10	Orphan, V	A	A	P
			11	Thompson, A	A	A	P
			12	Sessions, A	A	A	P
ESE103	3-0-6	Earth's Biogeochemical Cycles	01	Frankenberg, C	MWF 15:00 - 15:55	A	

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE106	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P
			02	Blake, G	A	A	P
			03	Bordoni, S	A	A	P
			04	Eiler, J	A	A	P
			05	Flagan, R	A	A	P
			06	Hoffmann, M	A	A	P
			07	Ingersoll, A	A	A	P
			08	Lamb, M	A	A	P
			09	Leadbetter, J	A	A	P
			10	Newman, D	A	A	P
			11	Okumura, M	A	A	P
			12	Orphan, V	A	A	P
			13	Schneider, T	A	A	P
			14	Seinfeld, J	A	A	P
			15	Sessions, A	A	A	P
			16	Wennberg, P	A	A	P
			17	Yung, Y	A	A	P
			18	Thompson, A	A	A	P
			19	Frankenberg, C	A	A	P
			20	Callies, J	A	A	P
ESE110B	1-0-0	Seminar in Environmental Science and Engineering	01	Callies, J	W 16:00 - 16:55	A	P
ESE130	3-0-6	Introduction to Atmosphere and Ocean Dynamics	01	Callies, J	MWF 11:00 - 11:55	A	
Ge/ESE 155	3-0-6	Paleoceanography	01	Adkins, J	MWF 13:00 - 13:55	A	
ESE/ChE 158	3-0-6	Aerosol Physics and Chemistry <i>class cancelled</i>	01	Flagan, R / Seinfeld, J	A	A	
ESE/Bi 168	3-0-6	Microbial Metabolic Diversity <i>maximum enrollment: 20 students</i>	01	Newman, D	MWF 09:00 - 09:55	A	

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE/Ch 176	3-0-6	Environmental Physical Organic Chemistry Part I	01	Hoffmann, M	MWF 10:00 - 10:55	A	
Ge/ESE/Bi 178	3-2-4	Microbial Ecology	01	Orphan, V	TR 10:30 - 11:55	A	
ESE300	+	Thesis Research	01	Adkins, J	A	A	P
			02	Sessions, A	A	A	P
			03	Flagan, R	A	A	P
			04	Hoffmann, M	A	A	P
			05	Ingersoll, A	A	A	P
			06	Leadbetter, J	A	A	P
			07	Newman, D	A	A	P
			08	Bordoni, S	A	A	P
			09	Yung, Y	A	A	P
			10	Wennberg, P	A	A	P
			11	Schneider, T	A	A	P
			12	Seinfeld, J	A	A	P
			13	Eiler, J	A	A	P
			14	Orphan, V	A	A	P
			15	Okumura, M	A	A	P
			16	Thompson, A	A	A	P
			17	Fischer, W	A	A	P
			18	Callies, J	A	A	P
			19	Frankenberg, C	A	A	P
FRESHMAN SEMINARS							
FS/Ph 011B	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
GEOLOGY							
Ge 010	2-0-0	Frontiers in Geological and Planetary Sciences	01	Thompson, A	F 12:00 - 12:55	A	P

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GEOLOGY							
Ge 011B	3-3-3	Introduction to Earth and Planetary Sciences: Earth and the Biosphere <i>Field trip will not be offered</i>	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55 W 19:00 - 21:55	A A	
Ge 011D	3-0-6	Introduction to Earth and Planetary Sciences: Geophysics <i>taught concurrently with Ge 102 // Field trip will not be offered</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	A	
Ge 040	+	Special Problems for Undergraduates	01	Kirschvink, J	A	A	P
			02	Orphan, V	A	A	P
			03	Lamb, M	A	A	P
			04	Ingersoll, A	A	A	P
			05	Adkins, J	A	A	P
			06	Rossmann, G	A	A	P
			07	Sessions, A	A	A	P
			08	Stevenson, D	A	A	P
			09	Yung, Y	A	A	P
			10	Jackson, J	A	A	P
			11	Fischer, W	A	A	P
			12	Tsai, V	A	A	P
			13	Brown, M	A	A	P
			14	de Kleer, K	A	A	P
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	01	Rossmann, G	A	A	P
			02	Kirschvink, J	A	A	P
			03	Grotzinger, J	A	A	P
			04	Orphan, V	A	A	P
			05	Stolper, E	A	A	P
			06	Stock, J	A	A	P
			07	Grotzinger, J	A	A	P
			08	Asimow, P	A	A	P
			09	Brown, M	A	A	P
			10	Fischer, W	A	A	P
			11	Eiler, J	A	A	P
			12	Ingersoll, A	A	A	P

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GEOLOGY							
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	13	Sessions, A	A	A	P
			14	Leadbetter, J	A	A	P
			15	Lamb, M	A	A	P
			16	Adkins, J	A	A	P
			17	Simons, M	A	A	P
Ge 102	3-0-6	Introduction to Geophysics <i>taught concurrently with Ge 11D // Field trip will not be offered</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	A	
Ge 104	3-0-6	Introduction to Geobiology <i>taught concurrently with Ge 11b // Field trip will not be offered</i>	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55 W 19:00 - 21:55	A A	
Ge 106	3-0-6	Introduction to Structural Geology	01	Avouac, J	MTR 09:00 - 09:55	A	
Ge 109	+	Oral Presentation <i>Section 1: Geophysics // Sections 2-4: Geobiology</i>	01	Jackson, J	W 12:00 - 12:55	A	P
			02	Sessions, A	A	A	P
			03	Orphan, V	A	A	P
			04	Leadbetter, J	A	A	P
Ge 111A	3-3-0	Applied Geophysics Seminar and Field Course <i>Field trip will not be offered</i>	01	Clayton, R / Simons, M	T 09:00 - 09:55	A	G
Ge 115B	3-3-3	Petrology and Petrography: Metamorphic Petrology <i>class cancelled</i>	01	Eiler, J	A	A	
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 14:00 - 14:55	A	
Ge 126	2-0-4	Topics in Earth Surface Processes	01	Lamb, M	F 13:00 - 14:55	A	
Ge/Ay 133	3-0-6	The Formation and Evolution of Planetary Systems	01	Batygin, K	MWF 13:00 - 13:55	A	
Ge 140A	3-0-6	Stable Isotope Geochemistry	01	Eiler, J	MWF 10:00 - 10:55	A	

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GEOLOGY							
Ge/ESE 155	3-0-6	Paleoceanography	01	Adkins, J	MWF 13:00 - 13:55	A	
Ge/Ay 159	3-0-6	Astrobiology	01	Yung, Y	MWF 11:00 - 11:55	A	
Ge 162	3-0-6	Seismology	01	Zhan, Z	MWF 10:00 - 10:55	A	G
Ge 164	3-0-6	Mineral Physics	01	Jackson, J	TR 10:30 - 11:55	A	
ME/CE/Ge 174	3-0-6	Mechanics of Rocks	01	Lapusta, N	TR 13:00 - 14:25	A	
Ge/ESE/Bi 178	3-2-4	Microbial Ecology	01	Orphan, V	TR 10:30 - 11:55	A	
Ge 190	0-0-0	The Nature and Evolution of the Earth <i>Outreach and mentoring // 3 units</i>	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J	A	A	P
			05	Bucholz, C	A	A	P
Ge 193	3-0-6	Special Topics in Geophysics: Dynamics of Seismicity	01	Ross, Z	TR 14:30 - 15:55	A	G
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Eiler, J	A	A	P
			03	Clayton, R	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Grotzinger, J	A	A	P
			08	Stock, J	A	A	P
			09	Sessions, A	A	A	P
			10	Avouac, J	A	A	P
			11	Gurnis, M	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	12	Saleeby, J	A	A	P
			14	Ingersoll, A	A	A	P
			15	Jackson, J	A	A	P
			16	Kirschvink, J	A	A	P
			17	Farley, K	A	A	P
			18	Newman, D	A	A	P
			19	Ampuero Saenz, J	A	A	P
			20	Fischer, W	A	A	P
			21	Lamb, M	A	A	P
			22	Rossman, G	A	A	P
			23	Schneider, T	A	A	P
			24	Bordoni, S	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Ehlmann, B	A	A	P
			28	Stolper, E	A	A	P
			29	Kulkarni, S	A	A	P
			30	Miller, T	A	A	P
			31	Batygin, K	A	A	P
			32	Wennberg, P	A	A	P
			33	Wernicke, B	A	A	P
			34	Aharonson, O	A	A	P
			35	Yung, Y	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Orphan, V	A	A	P
			39	Tsai, V	A	A	P
			40	Knutson, H	A	A	P
			41	Leadbetter, J	A	A	P
			42	Zhan, Z	A	A	P
			43	Bucholz, C	A	A	P
			44	Leadbetter, J	A	A	P
			45	Tissot, F	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
GEOLOGY							
Ge 297	+	Advanced Study	46	Ross, Z	A	A	P
			47	de Kleer, K	A	A	P
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Ehlmann, B	A	A	P
			03	Avouac, J	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Clayton, R	A	A	P
			08	Eiler, J	A	A	P
			09	Farley, K	A	A	P
			10	Grotzinger, J	A	A	P
			11	Heaton, T	A	A	P
			13	Gurnis, M	A	A	P
			14	Kirschvink, J	A	A	P
			15	Fischer, W	A	A	P
			16	Newman, D	A	A	P
			17	Orphan, V	A	A	P
			18	Knutson, H	A	A	P
			19	Rossmann, G	A	A	P
			20	Saleeby, J	A	A	P
			21	Lamb, M	A	A	P
			22	Schneider, T	A	A	P
			23	Sessions, A	A	A	P
			24	Bucholz, C	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Stock, J	A	A	P
			28	Stolper, E	A	A	P
			29	Leadbetter, J	A	A	P
			30	Zhan, Z	A	A	P
			31	Yung, Y	A	A	P
			32	Batygin, K	A	A	P

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GEOLOGY										
Ge 299	+	Thesis Research	33	Wennberg, P	A	A	P			
			34	Wernicke, B	A	A	P			
			35	Ampuero Saenz, J	A	A	P			
			36	Lapusta, N	A	A	P			
			37	Kulkarni, S	A	A	P			
			38	Jackson, J	A	A	P			
			39	Ingersoll, A	A	A	P			
			40	Tsai, V	A	A	P			
			41	Bordoni, S	A	A	P			
			42	Ross, Z	A	A	P			
			43	Tissot, F	A	A	P			
			44	de Kleer, K	A	A	P			
			HISTORY							
			Hum/H 002	3-0-6	Twentieth Century African American History <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Wiggins, D	TR 14:30 - 15:55	A	
Hum/H 008A	3-0-6	Civilization, Science, and Archaeology: Before Greece: The Origins of Civilization in Mesopotamia <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Buchwald, J	TR 09:00 - 10:25	A				
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	A				
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Brown, W	TR 14:30 - 15:55	A				
Hum/H 011	3-0-6	Love and Death: Using Demography to Study the History of Europe from 1700 <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Dennison, T	TR 09:00 - 10:25	A				

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HISTORY							
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	A	
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
H 099B	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01 02 03 04 05 06 07	Dennison, T Hoffman, P Brown, W Gronningsater, S Dykstra, M Wey-Gomez, N Kousser, J	A A A A A A A	A A A A A A A	
H 108A	3-0-6	The Early Middle Ages <i>open by lottery only; see link on the REGIS home page to enter by 8am on November 18th / maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	A	
H 137	3-0-6	Criminals, Outlaws, and Justice in a Thousand Years of Chinese History <i>maximum enrollment: 15 students // first class session is mandatory</i>	01	Dykstra, M	T 19:00 - 21:55	A	
H 138	3-0-6	The Way <i>maximum enrollment: 15 students // first class session is mandatory</i>	01	Dykstra, M	W 19:00 - 21:55	A	
H 149	3-0-6	Age of Fracture: America Since 1974 <i>maximum enrollment: 25 students</i>	01	Wiggins, D	W 19:00 - 21:55	A	G
H/HPS 155A	3-0-6	Mortality Crises and Social Change: Epidemic Disease from 1300 to the Present <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 13:00 - 14:25	A	
HPS/H 166	3-0-6	Historical Perspectives on the Relations between Science and Religion <i>maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	A	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
HISTORY							
H/HPS/VC 186	3-0-6	From Plato to Pluto: Maps, Exploration and Culture from Antiquity to the Present <i>maximum enrollment: 12 students</i>	01	Wey-Gomez, N / Ceva, J	TR 13:00 - 14:25	A	G
HISTORY AND PHILOSOPHY OF SCIENCE							
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	A	
HPS102B	2-0-10	Senior Research Seminar <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
HPS/PI/CS 110	3-0-6	Causation and Explanation <i>open by lottery only; see link on the REGIS home page to enter by 8am on November 18th // maximum enrollment: 15 students</i>	01	Eberhardt, F	TR 13:00 - 14:25	A	
HPS/PI 128	3-0-6	Philosophy of Mathematics <i>maximum enrollment: 15 students</i>	01	Hitchcock, C	TR 14:30 - 15:55	A	
H/HPS 155A	3-0-6	Mortality Crises and Social Change: Epidemic Disease from 1300 to the Present <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 13:00 - 14:25	A	
HPS/H 166	3-0-6	Historical Perspectives on the Relations between Science and Religion <i>maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	A	
H/HPS/VC 186	3-0-6	From Plato to Pluto: Maps, Exploration and Culture from Antiquity to the Present <i>maximum enrollment: 12 students</i>	01	Wey-Gomez, N / Ceva, J	TR 13:00 - 14:25	A	G
HUMANITIES							
Hum/H 002	3-0-6	Twentieth Century African American History <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Wiggins, D	TR 14:30 - 15:55	A	
Hum/H 008A	3-0-6	Civilization, Science, and Archaeology: Before Greece: The Origins of Civilization in	01	Buchwald, J	TR 09:00 - 10:25	A	

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HUMANITIES							
Hum/H 008A	3-0-6	Civilization, Science, and Archaeology: Before Greece: The Origins of Civilization in Mesopotamia <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>					
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	A	
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Brown, W	TR 14:30 - 15:55	A	
Hum/H 011	3-0-6	Love and Death: Using Demography to Study the History of Europe from 1700 <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Dennison, T	TR 09:00 - 10:25	A	
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	A	
Hum/En 020	3-0-6	The Epic Tradition <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	A	
Hum/En 034	3-0-6	Literature and Deception <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Holland, J	TR 13:00 - 14:25	A	
Hum/PI 039	3-0-6	Ancient Greek Philosophy <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Hubert, M	TR 14:30 - 15:55	A	
Hum/En 040	3-0-6	Power, Politics, and Travel Literature: From Travelogue to TripAdvisor <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Hori, J	TR 14:30 - 15:55	A	
Hum/PI 043	3-0-6	Meaning in Life <i>Attendance at the first class meeting is required.</i>	01 02	Quartz, S Quartz, S	TR 09:00 - 10:25 TR 13:00 - 14:25	A A	

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HUMANITIES							
Hum/VC 048	3-0-6	Ways of Seeing <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Jacobson, B	TR 09:00 - 10:25	A	
Hum/VC 049	3-0-6	Consuming Victorian Media <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Sullivan, A	TR 14:30 - 15:55	A	
Hum/VC 050	3-0-6	Introduction to Film <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Jurca, C	TR 13:00 - 14:25	A	
Hum105B	3-0-6	Topics in French Culture and Literature <i>taught concurrently with L 105b</i>	01	Orcel, C	OM,M 14:00 - 14:55	A	P
Hum114B	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 20 students between L 114b and Hum 114b</i>	01	Garcia, D	OM,M 17:00 - 17:55	A	
INFORMATION AND DATA SCIENCES							
ACM/IDS 101B	4-4-4	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	A	
CS/IDS 121	3-0-6	Relational Databases	01	Hovik, M	TR 10:30 - 11:55	A	
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Mahadev, U	MW 10:30 - 11:55	A	
Ma/ACM/IDS 140B	3-0-6	Probability	01	Ouimet, F	MWF 13:00 - 13:55	A	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Wierman, A	TR 10:30 - 11:55	A	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Pachter, L	TR 14:30 - 15:55	A	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Kostina, V	TR 10:30 - 11:55	A	

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INFORMATION AND DATA SCIENCES							
CS/IDS 162	3-0-6	Data, Algorithms and Society <i>Taught concurrently with VC 072 // maximum enrollment: 15 students between VC 72 and CS/IDS 162 // instructor permission required to add</i>	01	Ralph, C / Mushkin, H	TR 14:30 - 15:55	A	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	A	
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Staff	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01	Wierman, A	A	A	P
			02	Zuev, K	A	A	P
			03	Murray, R	A	A	P
			04	Abu-Mostafa, Y	A	A	P
			05	Chandrasekaran, V	A	A	P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Perona, P	A	A	P
ACM/IDS 216	3-0-6	Markov Chains, Discrete Stochastic Processes and Applications	01	Owhadi, H	TR 09:00 - 10:25	A	
LANGUAGES							
L 102B	3-0-6	Elementary French <i>maximum enrollment: 15 students</i>	01	Orcel, C	OM,M 13:00 - 13:55	A	G
L 103B	3-0-6	Intermediate French <i>maximum enrollment: 15 students</i>	01	Merrill, T	OM,T 14:00 - 14:55	A	
L 105B	3-0-6	Topics in French Culture and Literature <i>taught concurrently with Hum105b</i>	01	Orcel, C	OM,M 14:00 - 14:55	A	P
L 106B	4-0-5	Elementary Japanese <i>maximum enrollment: 15 students per section</i>	01	Fujio, M	MTWR 15:00 - 15:55	A	
			02	Fujio, M	MTWR 16:00 - 16:55	A	
L 107B	3-0-6	Intermediate Japanese <i>maximum enrollment: 15 students // Taught by</i>	01	Toner, R	MW 16:00 - 17:25	A	

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LANGUAGES							
L 108B	3-0-6	Advanced Japanese <i>maximum enrollment: 15 students // Taught by Dr. Hirai</i>	01	Toner, R	TR 16:00 - 17:25	A	
L 110B	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students per section</i>	01 02	Arjona, G Garcia, D	OM,M 12:00 - 12:55 MWR 12:00 - 12:55	A A	
L 112B	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Arjona, G	OM,M 17:00 - 17:55	A	
L 114B	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 20 students between L 114b and Hum 114b</i>	01	Garcia, D	OM,M 17:00 - 17:55	A	
L 130B	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	A	
L 132B	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	A	
L 167	3-0-6	Latin Literature <i>maximum enrollment: 15 students</i>	01	Pigman, G	OM,T 12:00 - 12:55	A	
L 170B	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	MTW 12:00 - 12:55	A	
L 171B	3-0-6	Elementary Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MTW 16:00 - 16:55	A	
L 172B	3-0-6	Intermediate Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	TR 09:00 - 10:25	A	
L 173B	3-0-6	Advanced Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MW 17:00 - 18:25	A	
MATERIALS SCIENCE							
MS 078B	+	Senior Thesis	01 03 05 06	Johnson, W Greer, J Goddard, W Gharib, M	A A A A	A A A A	P P P P

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MATERIALS SCIENCE							
MS 078B	+	Senior Thesis	07	Minnich, A	A	A	P
			08	Ravichandran, G	A	A	P
			09	Fultz, B	A	A	P
			10	Rossman, G	A	A	P
			11	Faber, K	A	A	P
			12	Daraio, C	A	A	P
MS 078C	+	Senior Thesis	01	Ravichandran, G	A	A	P
MS 100	+	Advanced Work in Materials Science	01	Faber, K	A	A	P
			02	Fultz, B	A	A	P
			03	Falson, J	A	A	P
			04	Davis, M	A	A	P
			07	Johnson, W	A	A	P
			08	Minnich, A	A	A	P
			09	Greer, J	A	A	P
MS 110B	1-0-0	Materials Research Lectures	01	Faber, K	W 16:00 - 16:55	A	P
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	A	
MS 121	1-4-4	Laboratory Research Methods in Materials Science	01	Ahn, C	T 13:00 - 13:55	A	
MS 131	3-0-6	Structure and Bonding in Materials	01	Bernardi, M	TR 13:00 - 14:25	A	
MS 150B	3-0-6	Topics in Materials Science: Functional Electronic Materials	01	Falson, J	TR 09:00 - 10:25	A	
MS 200	+	Advanced Work in Materials Science	01	Ortiz, M	A	A	P
			02	Kornfield, J	A	A	P
			03	Atwater, H	A	A	P
			04	Minnich, A	A	A	P
			05	Fultz, B	A	A	P

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MATERIALS SCIENCE							
MS 200	+	Advanced Work in Materials Science	06	Goddard, W	A	A	P
			07	Gao, W	A	A	P
			08	Johnson, W	A	A	P
			09	Blake, G	A	A	P
			10	Greer, J	A	A	P
			12	Daraio, C	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Faber, K	A	A	P
			17	Bernardi, M	A	A	P
			18	Rees, D	A	A	P
			19	Yeh, N	A	A	P
			20	Ahn, C	A	A	P
21	See, K	A	A	P			
MS 300	+	Thesis Research	01	Atwater, H	A	A	P
			02	Ortiz, M	A	A	P
			03	Rosakis, A	A	A	P
			04	Fultz, B	A	A	P
			05	Goddard, W	A	A	P
			06	See, K	A	A	P
			07	Johnson, W	A	A	P
			09	Greer, J	A	A	P
			11	Cross, M	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Faber, K	A	A	P
			16	Minnich, A	A	A	P
17	Bernardi, M	A	A	P			
MATHEMATICS							
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra	01	Graber, T	MWF 10:00 - 10:55	A	P
					R 09:00 - 09:55	A	
		<i>Sections 1-5 Practical Track -- Sections 6-9</i>	02	Graber, T	MWF 10:00 - 10:55	A	P

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MATHEMATICS							
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1-5 Practical Track -- Sections 6-9 Analytical Track // maximum enrollment: 45 students per section</i>	02	Graber, T	R 10:00 - 10:55	A	P
			03	Graber, T	MWF 10:00 - 10:55	A	P
			04	Graber, T	R 13:00 - 13:55	A	
					MWF 10:00 - 10:55	A	P
					R 14:00 - 14:55	A	
			05	Graber, T	MWF 10:00 - 10:55	A	P
					R 10:00 - 10:55	A	
			06	Makarov, N	MWF 10:00 - 10:55	A	P
					R 13:00 - 13:55	A	
			07	Makarov, N	MWF 10:00 - 10:55	A	P
		R 14:00 - 14:55	A				
		MWF 10:00 - 10:55	A	P			
		R 10:00 - 10:55	A				
		MWF 10:00 - 10:55	A	P			
		R 16:00 - 16:55	A				
Ma 001D	2-0-2	Series	01	Demiroglu, Y	TR 09:00 - 09:55	A	
Ma 003	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 103 // maximum enrollment: 50 students per section // section 8 cancelled</i>	01	Ouimet, F	MWF 10:00 - 10:55	A	
					R 09:00 - 09:55	A	
			02	Ouimet, F	MWF 10:00 - 10:55	A	
					R 10:30 - 11:25	A	
			03	Ouimet, F	MWF 10:00 - 10:55	A	
					R 13:00 - 13:55	A	
			04	Ouimet, F	MWF 10:00 - 10:55	A	
					R 14:30 - 15:25	A	
		MWF 10:00 - 10:55	A				
		R 09:00 - 09:55	A				
		MWF 10:00 - 10:55	A				
		R 10:30 - 11:25	A				
		MWF 10:00 - 10:55	A				
		R 13:00 - 13:55	A				
		A	A				

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MATHEMATICS							
Ma 005B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105b</i>	01	Mantovan, E	MWF 09:00 - 09:55	A	
Ma 013	2-0-0	Problem Solving in Vector Calculus	01	Demiroglu, Y	TR 19:30 - 20:55	A	P
Ma 092B	+	Senior Thesis	01	Mantovan, E	A	A	P
			02	Marcolli, M	A	A	P
			03	Burungale, A	A	A	P
			04	Zhu, X	A	A	P
Ma 097	+	Research in Mathematics	01	Burungale, A	A	A	P
Ma 098	+	Independent Reading	01	Katz, N	A	A	P
Ma 103	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 3</i>	01	Ouimet, F	MWF 10:00 - 10:55 R 13:00 - 13:55	A A	
Ma 105B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5b</i>	01	Mantovan, E	MWF 09:00 - 09:55	A	
Ma 108B	3-0-6	Classical Analysis	01	Karpukhin, M	MWF 11:00 - 11:55	A	
Ma 109B	3-0-6	Introduction to Geometry and Topology	01	Smillie, P	MWF 13:00 - 13:55	A	
Ma 110B	3-0-6	Analysis	01	Rains, E	MWF 11:00 - 11:55	A	
Ma 111B	3-0-6	Topics in Analysis	01	Angelopoulos, I	TR 10:30 - 11:55	A	
Ma/CS 117B	3-0-6	Computability Theory	01	Vidnyanszky, Z	TR 13:00 - 14:25	A	
Ma 120B	3-0-6	Abstract Algebra	01	Burungale, A	MWF 09:00 - 09:55	A	

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MATHEMATICS							
Ma 121A	3-0-6	Combinatorial Analysis	01	Katz, N	MWF 14:00 - 14:55	A	
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	A	G
Ma 128	3-0-6	Homological Algebra	01	Mazel-Gee, A	TR 14:30 - 15:55	A	
Ma 130B	3-0-6	Algebraic Geometry	01	Aluffi, P	MWF 13:00 - 13:55	A	
Ma/ACM/IDS 140B	3-0-6	Probability	01	Ouimet, F	MWF 13:00 - 13:55	A	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations	01	Frank, R	TR 09:00 - 10:25	A	P
Ma 145B	3-0-6	Representation Theory	01	Campbell, C	TR 09:00 - 10:25	A	
Ma 147B	3-0-6	Dynamical Systems	01	Makarov, N	MWF 14:00 - 14:55	A	
Ma 148B	3-0-6	Topics in Mathematical Physics	01	Marcolli, M	TR 09:00 - 10:25	A	
Ma 151B	3-0-6	Algebraic and Differential Topology	01	Chen, L	MWF 10:00 - 10:55	A	
Ma 157B	3-0-6	Riemannian Geometry	01	Park, J	MWF 13:00 - 13:55	A	
Ma 160B	3-0-6	Number Theory	01	Szumowicz, A	MWF 14:00 - 14:55	A	
Ma 191B	3-0-6	Selected Topics in Mathematics	01	Parikh, S	TR 10:30 - 11:55	A	
Ma 290	+	Reading	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P

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MATHEMATICS										
Ma 290	+	Reading	03	Frank, R	A	A	P			
			04	Graber, T	A	A	P			
			05	Isett, P	A	A	P			
			06	Katz, N	A	A	P			
			07	Kechris, A	A	A	P			
			08	Makarov, N	A	A	P			
			09	Mantovan, E	A	A	P			
			10	Marcolli, M	A	A	P			
			11	Markovic, V	A	A	P			
			12	Ni, Y	A	A	P			
			13	Radziwill, M	A	A	P			
			14	Rains, E	A	A	P			
			15	Ramakrishnan, D	A	A	P			
			16	Wang, L	A	A	P			
			17	Zhu, X	A	A	P			
			18	Gukov, S	A	A	P			
			19	Kapustin, A	A	A	P			
			20	Kitaev, A	A	A	P			
			21	Oguri, H	A	A	P			
			22	Tamuz, O	A	A	P			
			23	Cvitanic, J	A	A	P			
			24	Owhadi, H	A	A	P			
			25	Burungale, A	A	A	P			
			Ma 390	+	Research	01	Conlon, D	A	A	P
						02	Flach, M	A	A	P
03	Frank, R	A				A	P			
04	Graber, T	A				A	P			
05	Isett, P	A				A	P			
06	Katz, N	A				A	P			
07	Kechris, A	A				A	P			
08	Makarov, N	A				A	P			
09	Mantovan, E	A				A	P			
10	Marcolli, M	A				A	P			

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MATHEMATICS							
Ma 390	+	Research	11	Markovic, V	A	A	P
			12	Ni, Y	A	A	P
			13	Radziwill, M	A	A	P
			14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Wang, L	A	A	P
			17	Zhu, X	A	A	P
			18	Gukov, S	A	A	P
			19	Kapustin, A	A	A	P
			20	Kitaev, A	A	A	P
			21	Oguri, H	A	A	P
			22	Tamuz, O	A	A	P
			23	Cvitanić, J	A	A	P
			24	Owhadi, H	A	A	P
			25	Burungale, A	A	A	P
MECHANICAL ENGINEERING							
ME 011B	3-0-6	Thermal Science	01	Hunt, M	MWF 14:00 - 14:55	A	G
ME 012B	3-0-6	Mechanics	01	Daraio, C	TR 10:30 - 11:55	A	G
ME 050A	0-6-3	Experiments and Modeling in Mechanical Engineering	01	Mello, M	MW 09:00 - 10:25	A	
ME 072B	1-8-0	Engineering Design Laboratory	01	Mello, M / Van Deusen, J	TR 15:00 - 16:25	A	G
ME 090B	0-9-0	Senior Thesis, Experimental	01	Minnich, A	A	A	G
ME 100	+	Independent Studies in Mechanical Engineering	01	Colonius, T	A	A	P
			02	Burdick, J	A	A	P
			03	Scherer, A	A	A	P
			04	Phillips, R	A	A	P

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MECHANICAL ENGINEERING							
ME 100	+	Independent Studies in Mechanical Engineering	05	Ames, A	A	A	P
			07	Tai, Y	A	A	P
			08	Hunt, M	A	A	P
			09	Minnich, A	A	A	P
			11	Blanquart, G	A	A	P
			12	Perona, P	A	A	P
			13	Doyle, J	A	A	P
			14	Daraio, C	A	A	P
			15	Gharib, M	A	A	P
			16	Murray, R	A	A	P
			17	McKeon, B	A	A	P
			18	Mawet, D	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Dimotakis, P	MWF 10:00 - 10:55	A	P
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	MWF 09:00 - 09:55	A	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Shepherd, J	A	A	
			02	Scherer, A	A	A	
			03	Ravichandran, G	A	A	
			04	Burdick, J	A	A	
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	A	
Ae/ME 118	3-0-6	Classical Thermodynamics	01	Minnich, A	TR 13:00 - 14:25	A	
ME/CS/EE 133B	3-3-3	Robotics	01	Niemeyer, G	MWF 11:00 - 11:55	A	
ME/CS/EE 134	3-6-0	Robotic Systems <i>class cancelled - may be offered spring term</i>	01	Niemeyer, G	A	A	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	P

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MECHANICAL ENGINEERING							
ME/CE/Ge 174	3-0-6	Mechanics of Rocks	01	Lapusta, N	TR 13:00 - 14:25	A	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Ravichandran, G	A	A	P
			05	Brady, J	A	A	P
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Meiron, D	OM,M 14:00 - 14:55	A	
ME 300	+	Research in Mechanical Engineering	01	Blanquart, G	A	A	P
			02	Fultz, B	A	A	P
			03	Burdick, J	A	A	P
			04	Colonus, T	A	A	P
			05	Chung, S	A	A	P
			06	Hunt, M	A	A	P
			07	Murray, R	A	A	P
			08	Lewis, N	A	A	P
			09	Bhattacharya, K	A	A	P
			10	Shepherd, J	A	A	P
			11	Andrade, J	A	A	P
			12	Bellan, P	A	A	P
			13	Leonard, A	A	A	P
			14	Ortiz, M	A	A	P
			15	Pachter, L	A	A	P
			16	Greer, J	A	A	P
			17	Lapusta, N	A	A	P
			18	Gharib, M	A	A	P
			19	Troian, S	A	A	P
			20	Brady, J	A	A	P
			21	Daraio, C	A	A	P
			22	Dickinson, M	A	A	P
			23	Ravichandran, G	A	A	P
			24	Atwater, H	A	A	P

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	25	Adkins, J	A	A	P
			26	Kochmann, D	A	A	P
			27	McKeon, B	A	A	P
			28	Hoffmann, M	A	A	P
			29	Asimaki, D	A	A	P
			30	Minnich, A	A	A	P
			31	van de Walle, A	A	A	P
			32	Scherer, A	A	A	P
			33	Ames, A	A	A	P
			34	Pellegrino, S	A	A	P
			35	Heath, J	A	A	P
			37	Schneider, T	A	A	P
			38	Stuart, A	A	A	P
			39	Rosakis, A	A	A	P
			40	Dabiri, J	A	A	P
			41	Fu, X	A	A	P
			42	Heaton, T	A	A	P
MEDICAL ENGINEERING							
MedE 099	+	Undergraduate Research in Medical Engineering	01	Petrasek, D	A	A	P
			02	Shapiro, M	A	A	P
			03	Tai, Y	A	A	P
			04	Gao, W	A	A	P
			05	Pickar, K	A	A	P
			06	Wang, L	A	A	P
MedE 100B	1-0-0	Medical Engineering Seminar	01	Tai, Y / Gao, W	R 16:00 - 16:55	A	P
ChE/BE/MedE 112	3-0-6	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	A	
EE/MedE 114A	4-0-8	Analog Circuit Design	01	Hajimiri, S	TR 09:00 - 10:55	A	

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MEDICAL ENGINEERING							
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	A	
MedE/EE/BE 168C	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 15:30 - 17:25	A	
ChE/BE/MedE 188	3-0-6	Molecular Imaging	01	Shapiro, M	W 19:00 - 21:55	A	
MedE 201A	3-0-6	Principles and Design of Medical Devices	01	Gao, W	MW 13:00 - 14:25	A	G
MedE 202	3-0-6	Sensors in Medicine	01	Gao, W	MW 09:00 - 10:25	A	G
MedE/BE/Ae 243	3-0-6	Physiological Mechanics	01	Roh, C	TR 09:00 - 10:25	A	G
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	A	A	P
			03	Gao, W	A	A	P
			04	Emami, A	A	A	P
			05	Faraon, A	A	A	P
			06	Gharib, M	A	A	P
			07	Greer, J	A	A	P
			08	Hajimiri, S	A	A	P
			09	Scherer, A	A	A	P
			10	Tai, Y	A	A	P
			11	Yang, C	A	A	P
			12	Chandy, K	A	A	P
			13	Pickar, K	A	A	P
			14	Colonus, T	A	A	P
			15	Grubbs, R	A	A	P
			16	Ismagilov, R	A	A	P
			17	Shapiro, M	A	A	P
			18	Wang, L	A	A	P
			19	Pachter, L	A	A	P

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MEDICAL ENGINEERING							
MedE 291	+	Research in Medical Engineering	20	Gradinaru, V	A	A	P
			21	Daraio, C	A	A	P
			22	Kornfield, J	A	A	P
			23	Pachter, L	A	A	P
			24	Thomson, M	A	A	P
MUSIC							
Mu 056	3-0-6	Jazz History <i>maximum enrollment: 25 students</i>	01	Neenan, T	MW 11:00 - 12:25	A	
Mu 138	3-0-6	History II: Music History from 1750 to 1850 <i>maximum enrollment: 20 students</i>	01	Neenan, T	MW 14:00 - 15:25	A	
NEUROBIOLOGY							
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	A	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>open by application only - apply at https://forms.gle/SCjWS1YCiVcp27NR8</i>	01	Adolphs, R / Eberhardt, F	TR 10:30 - 11:55	A	
CNS/Bi/NB 247	2-0-4	Cerebral Cortex	01	Andersen, R	TR 13:00 - 13:55	A	
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P
			03	Andersen, R	A	A	P
			04	Anderson, D	A	A	P
			05	Bronner Hansen, M	A	A	P
			06	Dickinson, M	A	A	P
			07	Gradinaru, V	A	A	P
			08	Hong, E	A	A	P
			09	Kennedy, M	A	A	P
			10	Lester, H	A	A	P
			11	Lois, C	A	A	P
			12	Meister, M	A	A	P

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NEUROBIOLOGY							
NB 299	+	Graduate Research	13	Oka, Y	A	A	P
			14	Prober, D	A	A	P
			15	Roukes, M	A	A	P
			16	Shapiro, M	A	A	P
			17	Shimojo, S	A	A	P
			18	Siapas, A	A	A	P
			19	Sternberg, P	A	A	P
			20	Tsao, D	A	A	P
			21	Wagenaar, D	A	A	P
			22	Zinn, K	A	A	P
			23	Parker, J	A	A	P
			24	Yue, Y	A	A	P
PERFORMING AND VISUAL ARTS							
PVA030B	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	A	P
			02	Elgart, M	T 15:30 - 16:25	A	P
			03	Elgart, M	T 17:30 - 18:25	A	P
PVA031B	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano four-hands // Sec 3: Guitar Ensemble</i>	01	Jasper White, M	OM,A	A	P
			02	Ward, R	OM,A	A	P
			03	Elgart, M	OM,A	A	P
PVA032B	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:15	A	P
PVA033B	0-3-0	Wind Orchestra	01	Price, G	R 19:30 - 21:45	A	P
PVA034B	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:30 - 21:15 W 21:30 - 22:55	A A	P
PVA035B	0-3-0	Glee Club	01	Sulahian, N	M 19:00 - 20:25 W 17:05 - 18:35	A A	P
PVA037B	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 21:55	A	P

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PERFORMING AND VISUAL ARTS							
PVA040B	2-0-1	Moth to the Flame	01	Brophy, B	W 19:00 - 20:25	A	P
PVA041B	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	A	P
PVA042B	2-0-1	Improvisation for Scientists	01	Brophy, B	W 20:30 - 21:55	A	P
PVA061B	0-3-0	Silkscreen and Silk Painting	01	Barry, J	M 19:00 - 21:55	A	P
PVA062B	0-3-0	Drawing and Painting	01	Barry, J	T 19:00 - 21:55	A	P
			02	Barry, J	W 19:00 - 21:55	A	P
PVA063B	0-3-0	Ceramics <i>class cancelled</i>	01	Staff	A	A	P
PHILOSOPHY							
Hum/PI 039	3-0-6	Ancient Greek Philosophy <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Hubert, M	TR 14:30 - 15:55	A	
Hum/PI 043	3-0-6	Meaning in Life <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01	Quartz, S	TR 09:00 - 10:25	A	
			02	Quartz, S	TR 13:00 - 14:25	A	
PI 090A	1-0-8	Senior Thesis	01	Quartz, S	A	A	G
PI 090B	1-0-8	Senior Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	
PI 098	+	Reading in Philosophy	01	Staff	A	A	P
HPS/PI/CS 110	3-0-6	Causation and Explanation <i>open by lottery only; see link on the REGIS home page to enter by 8am on November 18th //</i>	01	Eberhardt, F	TR 13:00 - 14:25	A	

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PHILOSOPHY							
HPS/PI 128	3-0-6	Philosophy of Mathematics <i>maximum enrollment: 15 students</i>	01	Hitchcock, C	TR 14:30 - 15:55	A	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>open by application only - apply at https://forms.gle/SCjWS1YCiVcp27NR8</i>	01	Adolphs, R / Eberhardt, F	TR 10:30 - 11:55	A	
PHYSICAL EDUCATION							
PE 001	3-0-0	Wellness <i>maximum enrollment: 18 students per section</i>	01	Morgan, H	TR 09:00 - 10:25	A	P
			02	Eslinger, O	MW 13:00 - 14:25	A	P
			03	Whitehead, K	TR 14:30 - 15:55	A	P
PE 002	3-0-0	Student Designed Fitness <i>may only be taken once // maximum enrollment: 18 students per section</i>	01	Cohen, J	TR 10:30 - 11:55	A	P
			02	Gardner, T	MW 14:30 - 15:55	A	P
			03	Rensing, D	MW 10:00 - 11:25	A	P
PE 003	3-0-0	Hiking <i>may only be taken once // maximum enrollment: 24 students</i>	01	Brabson, A	F 16:00 - 18:55	A	P
PE 004	3-0-0	Introduction to Power Walking <i>maximum enrollment: 18 students</i>	01	Gamble, M	TR 09:00 - 10:25	A	P
PE 005	3-0-0	Beginning Running <i>maximum enrollment: 18 students</i>	01	Raphelson, B	MW 09:00 - 10:25	A	P
PE 006	3-0-0	Core Training, Beginning/Intermediate <i>maximum enrollment: 18 students</i>	01	Bonafede, J	MW 11:00 - 12:25	A	P
PE 024	3-0-0	Yoga, Beginning <i>maximum enrollment: 24 students per section</i>	01	Chiang, N	MW 13:00 - 14:25	A	P
			02	Chiang, N	MW 16:00 - 17:25	A	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate <i>maximum enrollment: 18 students per section</i>	01	Gould, E	MWF 10:00 - 10:55	A	P
			02	Reyes, B	TR 13:00 - 14:25	A	P
PE 085A	3-0-0	Intercollegiate Track and Field Teams <i>Open to NCAA eligible students only // men and women</i>	01	Raphelson, B	A	A	P

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PHYSICAL EDUCATION							
PE 087B	3-0-0	Intercollegiate Swimming and Diving Teams <i>Open to NCAA eligible students only</i>	01	Brabson, A	A	A	P
PE 090B	3-0-0	Intercollegiate Water Polo Teams <i>Open to NCAA eligible students only // men and women</i>	01	Bonafede, J	A	A	P
PE 091B	3-0-0	Intercollegiate Basketball Teams <i>Open to NCAA eligible students only</i>	01	Reyes, B / Eslinger, O	A	A	P
PE 092	3-0-0	Intercollegiate Soccer Teams <i>Open to NCAA eligible students only // Mens team only</i>	01	Rensing, D	A	A	P
PE 093A	3-0-0	Intercollegiate Baseball Team <i>Open to NCAA eligible students only</i>	01	Whitehead, K	A	A	P
PE 095A	3-0-0	Intercollegiate Tennis Teams <i>Open to NCAA eligible students only</i>	01	Gamble, M / Cohen, J	A	A	P
PE 099	3-0-0	Intercollegiate Volleyball Team <i>Open to NCAA eligible students only</i>	01	Gardner, T	A	A	P
PHYSICS							
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	01	Refael, G	WF 15:00 - 15:55	A	P
					MR 13:00 - 13:55	A	
			02	Refael, G	WF 15:00 - 15:55	A	P
					MR 13:00 - 13:55	A	
			03	Refael, G	WF 15:00 - 15:55	A	P
					MR 15:00 - 15:55	A	
			04	Refael, G	WF 15:00 - 15:55	A	P
		MR 15:00 - 15:55	A				
		05	Refael, G	WF 15:00 - 15:55	A	P	
				MR 15:00 - 15:55	A		
		06	Hsieh, D	WF 11:00 - 11:55	A	P	
				MR 15:00 - 15:55	A		
		07	Hsieh, D	WF 11:00 - 11:55	A	P	

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PHYSICS							
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	07	Hsieh, D	MR 13:00 - 13:55	A	P
			08	Hsieh, D	WF 11:00 - 11:55	A	P
			09	Hsieh, D	MR 15:00 - 15:55	A	
					WF 11:00 - 11:55	A	P
			10	Hsieh, D	MR 13:00 - 13:55	A	
		WF 11:00 - 11:55	A	P			
		MR 15:00 - 15:55	A				
Ph 002B	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Cheung, C	TR 11:00 - 11:55	A	G
					WF 11:00 - 11:55	A	
			02	Cheung, C	TR 11:00 - 11:55	A	G
					WF 13:00 - 13:55	A	
		03	Cheung, C	TR 11:00 - 11:55	A	G	
				WF 15:00 - 15:55	A		
Ph 003	0-3-3	Introductory Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	A	A	
			02	Black, E / Libbrecht, K	A	A	
			03	Black, E / Libbrecht, K	A	A	
Ph 006	0-9-0	Physics Laboratory <i>maximum enrollment: 10 students per section</i>	01	Rice, F / Politzer, H	T 13:30 - 15:30	A	
			02	Rice, F / Politzer, H	W 14:30 - 16:30	A	
			03	Rice, F / Politzer, H	R 13:30 - 15:30	A	
			04	Rice, F / Politzer, H	F 13:30 - 15:30	A	
Ph 008B	0-3-0	Experiments in Electromagnetism <i>Maximum enrollment: 13 students</i>	01	Spiropulu, M	OM,M 15:00 - 15:55	A	P
FS/Ph 011B	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
Ph 012B	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Filippone, B	TR 10:30 - 11:55	A	G
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	A	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
PHYSICS							
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	A	P
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	A	A	
Ph 077B	0-5-4	Advanced Physics Laboratory <i>class cancelled</i>	01	Black, E / Libbrecht, K	A	A	
Ph 077C	0-5-4	Advanced Physics Laboratory <i>class cancelled</i>	01	Black, E / Libbrecht, K	A	A	
Ph 078B	+	Senior Thesis (Experiment)	01	Libbrecht, K	A	A	P
Ph 079B	+	Senior Thesis (Theory)	01	Libbrecht, K	A	A	P
Ph 106B	4-0-5	Topics in Classical Physics	01	Golwala, S	MWF 11:00 - 11:55	A	
APh/Ph 115	3-0-6	Physics of Momentum Transport in Hydrodynamic Systems <i>class cancelled</i>	01	Troian, S	A	A	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	A	
Ph 121B	0-6-0	Computational Physics Lab	01	Simmons-Duffin, D	OM,T 10:30 - 11:25	A	P
Ph 125B	4-0-5	Quantum Mechanics	01	Wise, M	MWF 10:00 - 10:55	A	
Ph 127B	4-0-5	Statistical Physics	01	Motrunich, O	MW 13:00 - 14:25	A	
Ph 129B	4-0-5	Mathematical Methods of Physics <i>Analytic Methods</i>	01	Chatzioannou, K	WF 09:00 - 10:25	A	
Ph 136B	3-0-6	Applications of Classical Physics	01	Fuller, J	TR 14:30 - 15:55	A	

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PHYSICS							
Ph/APh 137B	3-0-6	Atoms and Photons	01	Endres, M	TR 10:30 - 11:55	A	
Ph 139	3-0-6	Introduction to High Energy Physics	01	Weinstein, A	TR 13:00 - 14:25	A	
Ph 171	+	Reading and Independent Study	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P

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PHYSICS							
Ph 171	+	Reading and Independent Study	29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P
			56	Zmuidzinas, J	A	A	P
			57	Rangel, A	A	A	P
Ph 172	+	Research in Physics	01	Adhikari, R	A	A	P
			02	Atwater, H	A	A	P
			03	Bock, J	A	A	P
			04	Eisenstein, J	A	A	P

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PHYSICS							
Ph 172	+	Research in Physics	05	Endres, M	A	A	P
			06	Filippone, B	A	A	P
			07	Golwala, S	A	A	P
			08	Harrison, F	A	A	P
			09	Hitlin, D	A	A	P
			10	Hsieh, D	A	A	P
			11	Hunt, M	A	A	P
			12	Hutzler, N	A	A	P
			13	Kimble, H	A	A	P
			14	Knutson, H	A	A	P
			15	Libbrecht, K	A	A	P
			16	Martin, C	A	A	P
			17	Mawet, D	A	A	P
			18	Nad Perge, S	A	A	P
			19	Newman, H	A	A	P
			20	Oguri, H	A	A	P
			21	Painter, O	A	A	P
			22	Patterson, R	A	A	P
			23	Phillips, R	A	A	P
			24	Porter, F	A	A	P
			25	Prince, T	A	A	P
			26	Rosenbaum, T	A	A	P
			27	Roukes, M	A	A	P
			28	Scherer, A	A	A	P
			29	Schwab, K	A	A	P
			30	Spiropulu, M	A	A	P
			31	Stone, E	A	A	P
			32	Weinstein, A	A	A	P
			33	Yeh, N	A	A	P
			34	Zmuidzinas, J	A	A	P
			35	Kirby, E	A	A	P
			36	Yue, Y	A	A	P
			37	Wise, M	A	A	P

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PHYSICS							
Ph 172	+	Research in Physics	38	Simmons-Duffin, D	A	A	P
			39	Refael, G	A	A	P
			40	Preskill, J	A	A	P
			41	Bernardi, M	A	A	P
			42	Hopkins, P	A	A	P
			43	Kapustin, A	A	A	P
			44	Gukov, S	A	A	P
			45	Cheung, C	A	A	P
			46	Chen, Y	A	A	P
			47	Chen, X	A	A	P
			48	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			49	Faraon, A	A	A	P
			50	Alicea, J	A	A	P
			51	Bellan, P	A	A	P
			52	Teukolsky, S	A	A	P
			53	Ravi, V	A	A	P
			54	Zurek, K	A	A	P
55	Rees, D	A	A	P			
56	Chan, G	A	A	P			
57	Chatzioannou, K	A	A	P			
Ph 177	0-4-5	Advanced Experimental Physics <i>course cancelled</i>	01	Staff	A	A	
Ph 205B	3-0-6	Relativistic Quantum Field Theory	01	Zurek, K	MW 10:30 - 11:55	A	
Ph/CS 219B	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	A	P
Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	A	
Ph 229A	3-0-6	Advanced Mathematical Methods of Physics <i>Topics to be covered: calculus on manifolds and Riemannian manifolds, connections on vector</i>	01	Kapustin, A	TR 10:30 - 11:55	A	P

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PHYSICS							
Ph 242B	2-0-2	Physics Seminar	01	Patterson, R	F 12:00 - 13:55	A	P
Ph 250	3-0-6	Introduction to String Theory	01	Gukov, S	TR 14:30 - 15:55	A	P
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P

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PHYSICS							
Ph 300	+	Thesis Research	29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P
			56	Zmuidzinas, J	A	A	P
			57	Marcolli, M	A	A	P
58	Ravi, V	A	A	P			
59	Chatziioannou, K	A	A	P			

POLITICAL SCIENCE

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
POLITICAL SCIENCE							
PS 020	3-0-6	Political-Economic Development and Material Culture <i>course counts as additional HSS, not intro SS // maximum enrollment: 30 students</i>	01	Ordeshook, P	TR 14:30 - 15:55	A	G
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
PS 099A	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01 02	Alvarez, R Ordeshook, P	A A	A A	
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Alvarez, R	A	A	
PS 123	3-0-6	Regulation and Politics <i>designated as Writing Intensive course // maximum enrollment: 35 students</i>	01	Kiewiet, D	W 19:00 - 21:55	A	
PS 125	3-0-6	Analyzing Political Conflict and Violence	01	Gibilisco, M	TR 10:30 - 11:55	A	
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 14 students // Designated as Writing Intensive Course</i>	01	Ensminger, J	MW 14:30 - 15:55	A	G
PS 141A	3-0-6	A History of Budgetary Politics in the United States <i>designated as Writing Intensive course // maximum enrollment: 75 students</i>	01	Kiewiet, D	TR 14:30 - 15:55	A	
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260// Completion of Ec/PS 160A required for b and c classes //Max of 10 students for both Ec 160 & SS 260</i>	01	Plott, C	TR 09:00 - 10:25	A	G
PSYCHOLOGY							

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
PSYCHOLOGY							
CNS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	A	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>open by application only - apply at</i> <i>https://forms.gle/SCjWS1YCiVcp27NR8</i>	01	Adolphs, R / Eberhardt, F	TR 10:30 - 11:55	A	
Psy283B	1.5-0-1.5	Graduate Proseminar in Social and Decision Neuroscience <i>this course is only open to graduate students in the Social and Decision Neuroscience, Computational and Neural Systems and Social Science PhD programs</i>	01	Rangel, A	F 13:00 - 14:25	A	P
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Mobbs, D	M 19:00 - 19:55	A	P
SCIENTIFIC AND ENGINEERING COMMUNICATION							
SEC010	3-0-0	Technical Seminar Presentations <i>maximum enrollment: 18 students per section</i>	01 02 03	Javier, R Javier, R Javier, R	MWF 09:00 - 09:55 MWF 10:00 - 10:55 MWF 11:00 - 11:55	A A A	G G G
SEC011	1-0-2	Written Academic Communication in Engineering and Applied Science <i>Limited to seniors in E&AS only // maximum enrollment: 20 students</i>	01	Meyer, V	W 09:00 - 09:55	A	G
SEC012	1-0-2	Written Professional Communication in Engineering and Applied Science <i>Limited to seniors in E&AS only // maximum enrollment: 20 students</i>	01 02	Voong, L Voong, L	T 11:00 - 11:55 M 12:00 - 12:55	A A	G G
SEC013	1-0-2	Written Communication about Engineering and Applied Sciences to Non-Experts <i>Limited to seniors in E&AS only // maximum enrollment: 20 students</i>	01	Burkett, E	W 11:00 - 11:55	A	
SOCIAL SCIENCE							

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SOCIAL SCIENCE							
SS 200	3-0-0	Selected Topics in Social Science: Writing Seminar	01	Rosenthal, J	W 13:00 - 14:25	A	P
SS 201B	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only</i>	01	Saito, K	MW 17:00 - 18:25	A	G
SS 202B	3-0-6	Political Theory <i>Open to Social Science graduate students only</i>	01	Katz, J	R 13:00 - 15:55	A	G
SS 205B	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Tamuz, O	MT 13:00 - 14:25	A	G
SS 210B	3-0-6	Foundations of Political Economy	01	Gibilisco, M	W 09:00 - 11:55	A	G
SS 211B	3-0-6	Advanced Economic Theory	01	Pomatto, L	TR 10:30 - 11:55	A	G
SS 212B	3-0-6	Experimental Economics	01	Nielsen, K	TR 09:00 - 10:25	A	
SS 213B	3-0-6	Financial Economics <i>class cancelled</i>	01	Jin, J	A	A	G
SS 222B	3-0-6	Econometrics	01	Xin, Y	F 13:00 - 15:55	A	G
SS 223B	3-0-6	Topics in Theoretical and Applied Econometrics <i>Open to graduate students only</i>	01	Sherman, R	TR 13:00 - 14:25	A	G
SS 224	3-3-3	Social Science Data	01	Alvarez, R	MWF 14:00 - 14:55	A	G
SS 229A	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Hoffman, P	OM,M 14:30 - 15:25	A	G
SS 231B	3-0-6	American and Comparative Politics	01	Alvarez, R	T 13:00 - 15:55	A	G
SS 260	3-3-3	Experimental Methods of Political Economy <i>Taught concurrently with Ec/PS 160B // Maximum 10 students for both Ec 160 & SS 260</i>	01	Plott, C	TR 09:00 - 10:25	A	G

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SOCIAL SCIENCE							
SS 282B	1.5-0-1.5	Graduate Proseminar in Social Science	01	Gibilisco, M	M 14:30 - 15:55	A	P
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Mobbs, D	M 19:00 - 19:55	A	P
SS 300	+	Research in Social Science	01	Adolphs, R	A	A	P
			02	Palfrey, T	A	A	P
			03	Gillen, B	A	A	P
			04	O'Doherty, J	A	A	P
			05	Jin, J	A	A	P
			06	Katz, J	A	A	P
			07	Kiewiet, D	A	A	P
			08	Echenique, F	A	A	P
			09	Tamuz, O	A	A	P
			10	Plott, C	A	A	P
			11	Alvarez, R	A	A	P
			12	Camerer, C	A	A	P
			13	Agranov, M	A	A	P
			14	Cvitanic, J	A	A	P
			15	Snowberg, E	A	A	P
			16	Rosenthal, J	A	A	P
			17	Hirsch, A	A	A	P
			18	Shum, M	A	A	P
			19	Rangel, A	A	A	P
			20	Yariv, L	A	A	P
			21	Perona, P	A	A	P
			23	Hoffman, P	A	A	P
			24	O'Doherty, J	A	A	P
			25	O'Doherty, J	A	A	P
			26	Lester, H	A	A	P
			27	Mobbs, D	A	A	P
			28	Sherman, R	A	A	P
STUDENT ACTIVITIES							

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STUDENT ACTIVITIES							
SA 016B	0-3-0	Cooking Basics	01	Mannion, T	R 18:30 - 21:25	A	P
SA 042	0-2-2	Computer Science Education in K-14 Settings Practicum <i>enrollment by application instructor permission required to add</i>	01	Ralph, C / Blank, A	F 12:00 - 15:55	A	P
SA 080B	1-1-1	Health Advocates <i>maximum enrollment: 24 students per section</i>	01 02	Stapf, M Stapf, M	W 19:00 - 21:55 R 19:00 - 21:55	A A	P P
STUDY ABROAD							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
UCL100	36-0-0	University College London Scholars Program	01	Staff	A	A	P
EDN100	36-0-0	University of Edinburgh Scholars Program	01	Staff	A	A	P
VISUAL CULTURE							
Hum/VC 048	3-0-6	Ways of Seeing <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Jacobson, B	TR 09:00 - 10:25	A	
Hum/VC 049	3-0-6	Consuming Victorian Media <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Sullivan, A	TR 14:30 - 15:55	A	
Hum/VC 050	3-0-6	Introduction to Film <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Jurca, C	TR 13:00 - 14:25	A	
VC 055	3-0-3	Visual Narratives & Colors of the Americas <i>maximum enrollment: 15 students</i>	01	Rodriguez, S	TR 14:30 - 15:55	A	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
VISUAL CULTURE							
VC 072	3-0-6	Data, Algorithms and Society <i>Taught concurrently with CS/IDS 162 // maximum enrollment: 15 students between VC 72 and CS/IDS 162 // instructor permission required to add</i>	01	Mushkin, H / Ralph, C	TR 14:30 - 15:55	A	
En/VC 117	3-0-6	Picturing the Universe <i>maximum enrollment: 15 students</i>	01	Sullivan, A	TR 10:30 - 11:55	A	
En/VC 170	3-0-6	Plantation Imaginaries <i>maximum enrollment: 15 students</i>	01	Hori, J	TR 10:30 - 11:55	A	
H/HPS/VC 186	3-0-6	From Plato to Pluto: Maps, Exploration and Culture from Antiquity to the Present <i>maximum enrollment: 12 students</i>	01	Wey-Gomez, N / Ceva, J	TR 13:00 - 14:25	A	G
WRITING							
Wr 003	+	Reading and Composing Academic Writing <i>Organizational Meeting on Thursday at 10:30am /// maximum enrollment: 12 students</i>	01	Daley, C	A	A	P
Wr 004	1-0-2	Principles and Practices of Academic Writing <i>instructor permission required before enrolling</i>	01	Hall, S	OM,W 12:00 - 12:55	A	P
Wr 050	+	Tutorial in Writing <i>individually scheduled class times</i>	01	Hall, S	A	A	P