

Web Address - <http://www.registrar.caltech.edu/>**KEY TO ABBREVIATIONS****LOCATIONS**

ANB	Annenberg Center for Information Science and Technology	KLK	Kellogg Radiation Laboratory
ARM	Arms Laboratory of Geological Sciences	KRK	Kerckhoff Laboratory of Biological Sciences
AVE	Avery House	KSP	Keith Spaulding Building
BAC	Braun Athletic Center	L+R	Linde + Robinson Laboratory for Global Environmental Science
BAX	Baxter Hall of Humanities and Social Services	LAU	Lauritsen Physics Laboratory
BBB	Beckman Laboratory of Behavioral Biology	MEAD	Undergraduate Chemistry Laboratory
BCK	Beckman Institute	MRE	Moore Laboratory
BRD	Broad Center	NMD	North Mudd Building of Geological Sciences
BRG	Bridge Laboratory of Physics	NYS	Noyes Laboratory of Chemical Physics
BRN	Braun Laboratory	NewMedia	NewMedia Classroom
BRW	Brown Gym	POLY	Polytechnic School
CHL	Cahill Center for Astronomy and Astrophysics	PR	Public Relations
CHR	Church Laboratory of Chemical Biology	PWL/BTH	Powell/Booth Laboratory
CRL	Crellin Chemistry Laboratory	ROB	Robinson Laboratory of Astrophysics
CSS	Center for Student Services	SAC	Student Activities Center
DAB	Dabney Hall of Humanities	SCH	Schlinger Laboratory
DWN	Downs Physics Laboratory	SFL	Sherman Fairchild Library
DWN/LAU	Downs Lauritsen	SLN	Sloan Laboratory of Mathematics and Physics
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)
JRG	Jorgensen Laboratory	WAT	Watson Laboratory of Applied Physics
KAR	Karman Laboratory	WINN	Winnett Center
KCK	Keck Engineering 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	Culick, F	A	A	P
			02	McKeon, B	A	A	P
			03	Chung, S	A	A	P
			04	Leonard, A	A	A	P
			05	Pellegrino, S	A	A	P
			06	Blanquart, G	A	A	P
			07	Shepherd, J	A	A	P
			08	Gharib, M	A	A	P
			09	Meiron, D	A	A	P
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
Ae/APh 104A	3-0-6	Experimental Methods	01	McKeon, B	MWF 11:00 - 11:55	384 FIR	G
Ae 105A	3-0-6	Aerospace Engineering	01	Pellegrino, S / Freeman, A	TR 16:00 - 17:25	384 FIR	G
Ae 121A	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	232 GUG	
Ae 150A	1-0-0	Aerospace Engineering Seminar	01	McKeon, B	M 13:00 - 13:55	133 GUG	P
EE/Ae 157A	3-0-6	Introduction to the Physics of Remote Sensing	01	van Zyl, J	M 14:30 - 15:55 W 14:30 - 15:55	107 ANB B280 MRE	
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	
Ae 200	+	Advanced Research in Aerospace	01	Bhattacharya, K	A	A	P
			02	McKeon, B	A	A	P
			03	Blake, G	A	A	P
			04	Dimotakis, P	A	A	P
			05	Gharib, M	A	A	P

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AEROSPACE										
Ae 200	+	Advanced Research in Aerospace	06	Hornung, H	A	A	P			
			07	Leonard, A	A	A	P			
			08	Daraio, C	A	A	P			
			09	Ortiz, M	A	A	P			
			10	Pellegrino, S	A	A	P			
			11	Pullin, D	A	A	P			
			12	Ravichandran, G	A	A	P			
			13	Rosakis, A	A	A	P			
			15	Colonius, T	A	A	P			
			16	Shepherd, J	A	A	P			
			17	Blanquart, G	A	A	P			
			18	Lapusta, N	A	A	P			
			19	Troian, S	A	A	P			
			20	Schneider, T	A	A	P			
			21	Greer, J	A	A	P			
			22	Andrade, J	A	A	P			
			23	Kochmann, D	A	A	P			
			24	Gurnis, M	A	A	P			
			25	Minnich, A	A	A	P			
			26	Johnson, J	A	A	P			
			27	Murray, R	A	A	P			
			28	Austin, J	A	A	P			
			29	Kulkarni, S	A	A	P			
			30	Burdick, J	A	A	P			
			31	Asimaki, D	A	A	P			
			32	Chung, S	A	A	P			
			Ae 204	3-0-6	Technical Fluid Mechanics <i>class cancelled</i>	01	Staff	A	A	
			Ae 208A	1-0-0	GALCIT Colloquium	01	Austin, J / Pellegrino, S	F 15:00 - 15:55	133 GUG	P
			Ae/AM/CE/ME 214A	3-0-6	Computational Solid Mechanics <i>see course syllabus link for updated course</i>	01	Kochmann, D	TR 14:30 - 15:55	133 GUG	

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AEROSPACE							
Ae/CE 221	3-0-6	Space Structures <i>OM will be held Monday, October 3rd.</i>	01	Pellegrino, S	OM,M 14:00 - 14:55	232 GUG	
Ae/AM/ME 225	3-0-6	Special Topics in Solid Mechanics: Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	TR 16:00 - 17:25	115 GTL	
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Colonus, T	MWF 09:00 - 09:55	115 GTL	
Ae 237A	3-0-6	Nonsteady Gasdynamics <i>class will meet in GUG 133 for the first week of the term</i>	01	Hornung, H	TR 10:30 - 11:55	232 GUG	
Ae 240	+	Special Topics in Fluid Mechanics	01	McKeon, B	A	A	P
ANTHROPOLOGY							
An 022	3-0-6	Introduction to Sociocultural Anthropology <i>maximum enrollment: 35 students // class will meet in Baxter Lec Hall on Thursday, 11/17</i>	01	Ensminger, J	TR 14:30 - 15:55	B125 BAX	G
An 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 14 students</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
APPLIED & COMPUTATIONAL MATH							
ACM101A	4-0-8	Methods of Applied Mathematics I	01	Bruno, O	TR 14:30 - 16:25	213 ANB	
ACM104	3-1-5	Applied Linear Algebra	01	Zuev, K	TR 10:30 - 11:55	105 ANB	
ACM106A	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	105 ANB	

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APPLIED & COMPUTATIONAL MATH							
CMS/ACM 107	3-3-6	Introduction to Linear Analysis with Applications <i>class will meet in 102 Steele during the first week of the term</i>	01	Stuart, A	TR 10:30 - 11:55	384 FIR	
CMS/ACM 113	3-0-6	Mathematical Optimization	01	Chandrasekaran, V	MW 13:00 - 14:25	213 ANB	
ACM/EE 116	3-1-5	Introduction to Probability Models	01	Zuev, K	TR 09:00 - 10:25	105 ANB	
CMS/ACM/EE 117	3-0-9	Introduction to Probability and Random Processes	01	Owhadi, H	TR 09:00 - 10:25	213 ANB	
Ma/ACM 144A	3-0-6	Probability	01	Tamuz, O	MWF 13:00 - 13:55	257 SLN	
ACM190	+	Reading and Independent Study	01	Hou, Y	A	A	P
			02	Hassibi, B	A	A	P
			03	Espanol, M	A	A	P
			04	Heaton, T	A	A	P
			05	Owhadi, H	A	A	P
			06	Desbrun, M	A	A	P
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Colonus, T	MWF 09:00 - 09:55	115 GTL	
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
			05	Beck, J	A	A	P
			06	Meiron, D	A	A	P
			07	Pierce, N	A	A	P
			08	Schroeder, P	A	A	P
			09	Owhadi, H	A	A	P
			10	Tropp, J	A	A	P
			12	Hassibi, B	A	A	P

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APPLIED MECHANICS							
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151A	3-0-6	Dynamics and Vibration	01	Heaton, T	MWF 10:00 - 10:55	115 GTL	G
AM 200	+	Advanced Work in Applied Mechanics	01	Staff	A	A	P
Ae/AM/CE/ME 214A	3-0-6	Computational Solid Mechanics <i>see course syllabus link for updated course description</i>	01	Kochmann, D	TR 14:30 - 15:55	133 GUG	
Ae/AM/ME 225	3-0-6	Special Topics in Solid Mechanics: Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	TR 16:00 - 17:25	115 GTL	
AM 300	+	Research in Applied Mechanics	01	Beck, J	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
APPLIED PHYSICS							
APh/EE 009A	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer, A / Potter, K	TR 13:00 - 13:55	B280 MRE	
APh078A	0-9-0	Senior Thesis, Experimental	01	Painter, O	A	A	G
			02	Vahala, K	A	A	G
			03	Atwater, H	A	A	G
			04	Scherer, A	A	A	G
			05	Bellan, P	A	A	G

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APPLIED PHYSICS							
APh078A	0-9-0	Senior Thesis, Experimental	06	Phillips, R	A	A	G
			07	Troian, S	A	A	G
			08	Faraon, A	A	A	G
			09	Lewis, N	A	A	G
			10	Yung, Y	A	A	G
			11	Schwab, K	A	A	G
			12	Endres, M	A	A	G
APh079A	0-9-0	Senior Thesis, Theoretical	01	Troian, S	A	A	G
			02	Kimble, H	A	A	G
APh100	+	Advanced Work in Applied Physics	01	Phillips, R	A	A	P
			02	Vahala, K	A	A	P
			03	Scherer, A	A	A	P
			04	Troian, S	A	A	P
			05	Faraon, A	A	A	P
			06	Atwater, H	A	A	P
			07	Roukes, M	A	A	P
			08	Choo, H	A	A	P
			09	Minnich, A	A	A	P
			10	Painter, O	A	A	P
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/APh 104A	3-0-6	Experimental Methods	01	McKeon, B	MWF 11:00 - 11:55	384 FIR	G
APh/MS 105A	3-0-6	States of Matter	01	Johnson, W	MW 13:00 - 14:25	104 WAT	G
APh109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	R 19:00 - 19:55	104 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	104 WAT	P

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APPLIED PHYSICS							
APh114A	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	104 WAT	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	B157 BRG	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure	01	Garland, C	OM,T 13:00 - 13:55	042 KCK	
APh/EE 130	3-0-6	Electromagnetic Theory <i>class cancelled</i>	01	Staff	A	A	
APh150	+	Topics in Applied Physics: Quantum Devices <i>course cancelled</i>	01	Staff	A	A	
APh156A	3-0-6	Plasma Physics <i>Make-up class on Fridays, 2:30-4pm in 104 Watson</i>	01	Bellan, P	MW 14:30 - 15:55	104 WAT	G
EE/APh 180	3-0-3	Nanotechnology	01	Scherer, A	TR 14:30 - 15:55	105 ANB	
APh190A	3-0-6	Quantum Electronics	01	Vahala, K	TR 10:30 - 11:55	104 WAT	
APh200	+	Applied Physics Research	01	Atwater, H	A	A	P
			02	Desbrun, M	A	A	P
			03	Bellan, P	A	A	P
			04	Snyder, G	A	A	P
			05	Troian, S	A	A	P
			06	Fultz, B	A	A	P
			07	Johnson, W	A	A	P
			08	Chen, Y	A	A	P
			09	Minnich, A	A	A	P
			10	Refael, G	A	A	P
			11	Goddard, W	A	A	P
			12	Faraon, A	A	A	P
			13	Hsieh, D	A	A	P

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APh200	+	Applied Physics Research	14	Preskill, J	A	A	P
			15	Faraon, A	A	A	P
			16	Yang, C	A	A	P
			17	Alicea, J	A	A	P
			18	Gharib, M	A	A	P
			19	Bernardi, M	A	A	P
			20	Painter, O	A	A	P
			21	Phillips, R	A	A	P
			22	Nad Perge, S	A	A	P
			23	Kimble, H	A	A	P
			24	Roukes, M	A	A	P
			26	Scherer, A	A	A	P
			30	Heath, J	A	A	P
			31	Vahala, K	A	A	P
			32	Yariv, A	A	A	P
			33	Motrunich, O	A	A	P
			41	Schwab, K	A	A	P
			42	Lewis, N	A	A	P
APh300	+	Thesis Research in Applied Physics	01	Atwater, H	A	A	P
			02	Fultz, B	A	A	P
			03	Bellan, P	A	A	P
			04	Snyder, G	A	A	P
			05	Yariv, A	A	A	P
			06	Johnson, W	A	A	P
			07	Flagan, R	A	A	P
			08	Troian, S	A	A	P
			09	Painter, O	A	A	P
			10	Desbrun, M	A	A	P
			11	Hsieh, D	A	A	P
			12	Faraon, A	A	A	P
			13	Bhattacharya, K	A	A	P
			14	Faber, K	A	A	P
			15	Phillips, R	A	A	P

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APh300	+	Thesis Research in Applied Physics	16	Daraio, C	A	A	P
			18	Roukes, M	A	A	P
			20	Scherer, A	A	A	P
			24	Vahala, K	A	A	P
			27	Painter, O	A	A	P
			28	Schwab, K	A	A	P
			29	Chen, Y	A	A	P
ART HISTORY							
Art070	3-0-6	Traditions of Japanese Art <i>maximum enrollment: 20 students</i>	01	Wolfgram, J	TR 10:30 - 11:55	127 BAX	
ASTROPHYSICS							
Ay 020	3-1-6	Basic Astronomy and the Galaxy	01	Sargent, A	MWF 11:00 - 11:55	219 CHL	
Ay 043	+	Reading in Astronomy and Astrophysics	01	Scoville, N	A	A	P
Ay 078A	9-0-0	Senior Thesis	01	Steidel, C	A	A	
			02	Hillenbrand, L	A	A	
			03	Prince, T	A	A	
			04	Ellis, R	A	A	
			05	Cohen, J	A	A	
			06	Hopkins, P	A	A	
			07	Readhead, A	A	A	
			08	Scoville, N	A	A	
			09	Ott, C	A	A	
			10	Martin, C	A	A	
			11	Harrison, F	A	A	
			12	Hallinan, G	A	A	
			13	Phinney, E	A	A	
			14	Knutson, H	A	A	
			15	Mawet, D	A	A	

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ASTROPHYSICS							
Ay 078A	9-0-0	Senior Thesis	16	Kirby, E	A	A	
			17	Kasliwal, M	A	A	
			18	Djorgovski, S	A	A	
Ay 111A	3-0-0	Introduction to Current Astrophysics Research	01	Phinney, E	T 11:00 - 11:55	211 CHL	P
Ay 121	3-0-6	Radiative Processes	01	Kirby, E	TR 13:00 - 14:25	219 CHL	
Ay 122A	3-0-6	Astronomical Measurements and Instrumentation	01	Kasliwal, M / Mawet, D	WF 14:30 - 15:55	219 CHL	
Ay 123	3-0-6	Structure and Evolution of Stars	01	Hillenbrand, L	MWF 13:00 - 13:55	219 CHL	
Ge/Ay 132	3-0-6	Atomic and Molecular Processes in Astronomy and Planetary Sciences	01	Blake, G	TR 09:00 - 10:25	176 SMD	
Ge/Ay 133	3-0-6	The Formation and Evolution of Planetary Systems	01	Knutson, H / Batygin, K	MWF 13:00 - 13:55	162 SMD	
Ay 141A	1-0-2	Research Conference in Astronomy	01	Mawet, D / Phinney, E	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Batygin, K	A	A	P
			02	Martin, C	A	A	P
			03	Brown, M	A	A	P
			04	Hirata, C	A	A	P
			05	Hopkins, P	A	A	P
			06	Djorgovski, S	A	A	P
			07	Ellis, R	A	A	P
			08	Hillenbrand, L	A	A	P
			09	Kirby, E	A	A	P
			10	Kulkarni, S	A	A	P
			11	Scoville, N	A	A	P
			12	Hallinan, G	A	A	P
			13	Ott, C	A	A	P

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ASTROPHYSICS							
Ay 142	+	Research in Astronomy and Astrophysics	14	Prince, T	A	A	P
			15	Dore, O	A	A	P
			16	Mawet, D	A	A	P
			17	Sargent, A	A	A	P
			19	Stevenson, D	A	A	P
			21	Steidel, C	A	A	P
			22	Cohen, J	A	A	P
			25	Blake, G	A	A	P
			26	Soifer, B	A	A	P
			27	Zmuidzinas, J	A	A	P
			28	Johnson, J	A	A	P
			29	Harrison, F	A	A	P
			30	Phinney, E	A	A	P
			31	Knutson, H	A	A	P
			32	Kasliwal, M	A	A	P
33	Bock, J	A	A	P			
Ay 143	+	Reading and Independent Study	01	Steidel, C	A	A	P
			02	Hallinan, G	A	A	P
			03	Hopkins, P	A	A	P
			04	Kulkarni, S	A	A	P
			05	Batygin, K	A	A	P
			06	Brown, M	A	A	P
			07	Blake, G	A	A	P
			08	Knutson, H	A	A	P
BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB/Bi/Ch 170	3-0-6	Biochemistry and Biophysics of Macromolecules and Molecular Assemblies	01	Clemons, W	TR 10:30 - 11:55	151 CRL	G
BMB/Ch 178	3-0-6	Macromolecular Function: Kinetics, Energetics, and Mechanisms	01	Shan, S	WF 10:30 - 11:55	101 SCH	
BMB/Ch 202A	1-0-0	Biochemistry Seminar Course <i>Most sessions will take place on Thursdays.</i>	01	Clemons, W	R 12:00 - 12:55	320 BRN	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
Bi/BMB 251A	1-0-0	Current Research in Cellular and Molecular Biology	01	Hay, B	W 12:00 - 12:55	119 KRK	P
BMB299	+	Graduate Research	01	Arnold, F	A	A	P
			02	Bjorkman, P	A	A	P
			03	Hoelz, A	A	A	P
			04	Campbell, J	A	A	P
			05	Phillips, R	A	A	P
			06	Davidson, E	A	A	P
			07	Dervan, P	A	A	P
			08	Dougherty, D	A	A	P
			09	Fraser, S	A	A	P
			10	Goddard, W	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Jensen, G	A	A	P
			13	Baltimore, D	A	A	P
			14	Davis, M	A	A	P
			15	Mayo, S	A	A	P
			16	Parker, C	A	A	P
			17	Hay, B	A	A	P
			18	Leadbetter, J	A	A	P
			19	Chan, D	A	A	P
			20	Cai, L	A	A	P
			21	Newman, D	A	A	P
			22	Kennedy, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Patterson, P	A	A	P
			25	Lester, H	A	A	P
			26	Sternberg, P	A	A	P
			27	Meyerowitz, E	A	A	P
			28	Shan, S	A	A	P
			29	Wold, B	A	A	P
			30	Dunphy, W	A	A	P
			31	Heath, J	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	32	Gray, H	A	A	P
			33	Gharib, M	A	A	P
			34	Rees, D	A	A	P
			35	Tirrell, D	A	A	P
			36	Barton, J	A	A	P
			37	Clemons, W	A	A	P
			38	Leadbetter, J	A	A	P
			39	Murray, R	A	A	P
			40	Mazmanian, S	A	A	P
			41	Baltimore, D	A	A	P
			42	Wang, Z	A	A	P
			43	Pierce, N	A	A	P
			44	Roukes, M	A	A	P
			45	Gray, H	A	A	P
			46	Varshavsky, A	A	A	P
			47	Goentoro, L	A	A	P
			48	Greer, J	A	A	P
			49	Anderson, D	A	A	P
			50	Hoelz, A	A	A	P
			51	Deshai, R	A	A	P
			52	Rothenberg, E	A	A	P
			53	Meister, M	A	A	P
			54	Shapiro, M	A	A	P
			55	Ismagilov, R	A	A	P
			56	Miller, T	A	A	P
			57	Guttman, M	A	A	P
			58	Zinn, K	A	A	P
			BIOENGINEERING				
Bi/BE 024	3-0-3	Technical Communication for Biological Scientists and Engineers <i>This class is limited to 20 seniors with priority given to seniors in Biology and Bioengineering.</i>	01	Anderson, B	TR 10:30 - 11:55	B101 BBB	G

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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>	01	Arnold, F	A	A	P
			03	Burdick, J	A	A	P
			04	Sternberg, P	A	A	P
			05	Kennedy, M	A	A	P
			06	Shan, S	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Heath, J	A	A	P
			10	Lester, H	A	A	P
			11	Gradinaru, V	A	A	P
			12	Pierce, N	A	A	P
			13	Mayo, S	A	A	P
			14	Ponce, A	A	A	P
			15	Yue, Y	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
						23	Elowitz, M
			24	Murray, R	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfrey, E	A	A	P
			30	Kornfield, J	A	A	P
			31	Baltimore, D	A	A	P
			32	Shimojo, S	A	A	P
			33	Dervan, P	A	A	P
			34	Guttman, M	A	A	P
			35	Bjorkman, P	A	A	P
BE/Bi 103	1-3-5	Data Analysis in the Biological Sciences	01	Bois, J	M 13:00 - 15:55	200 BRD	
					W 10:00 - 10:55	100 - Rock Auditorium BRD	
			02	Bois, J	M 19:00 - 21:55	200 BRD	

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BIOENGINEERING							
BE/Bi 103	1-3-5	Data Analysis in the Biological Sciences	02	Bois, J	W 10:00 - 10:55	100 - Rock Auditorium BRD	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	B157 BRG	
ChE/BE 163	3-0-9	Introduction to Biomolecular Engineering	01	Bois, J / Arnold, F	TR 13:00 - 14:25	106 SPL	
BE 167	1-0-0	Research Topics in Bioengineering <i>Required for first year grad students in BE //</i> <i>Roll will be taken at each meeting</i>	01	Elowitz, M	T 15:00 - 15:55	300 BRD	P
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Phillips, R	A	A	P
			03	Burdick, J	A	A	P
			04	Goddard, W	A	A	P
			05	Dervan, P	A	A	P
			06	Hong, E	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Heath, J	A	A	P
			10	Lester, H	A	A	P
			11	Ismagilov, R	A	A	P
			12	Pierce, N	A	A	P
			13	Gradinaru, V	A	A	P
			14	Ponce, A	A	A	P
			15	Troian, S	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	Baltimore, D	A	A	P
			22	Guttman, M	A	A	P
			23	Elowitz, M	A	A	P

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	24	Murray, R	A	A	P
			25	Kornfield, J	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Meister, M	A	A	P
			30	Shimojo, S	A	A	P
			31	Shapiro, M	A	A	P
			32	Sternberg, P	A	A	P
			33	Rothmund, P	A	A	P
			34	Shapiro, B	A	A	P
			35	Goentoro, L	A	A	P
			36	Andersen, R	A	A	P
			37	Qian, L	A	A	P
38	Dickinson, M	A	A	P			
39	Mayo, S	A	A	P			
Bi/BE/CS 271A	3-0-6	Special Topics in Computational Biology: Introduction to Sequence Analysis and Motif Discovery <i>class begins October 3rd</i>	01	Grosse, I	M 09:00 - 10:45 R 09:00 - 10:25	B180 BBB B180 BBB	
BIOLOGY							
Bi 002	1-0-2	Current Research in Biology	01	Elowitz, M	T 12:00 - 12:55	119 KRK	P
FS/Bi 013	2-0-4	Freshman Seminar: In Search of Memory <i>Maximum enrollment: 10 students</i>	01	Pine, J	M 14:00 - 15:55	248 LAU	P
Bi 022	+	Undergraduate Research	01	Adolphs, R	A	A	P
			02	Bronner Hansen, M	A	A	P
			03	Allman, J	A	A	P
			04	Campbell, J	A	A	P
			05	Lester, H	A	A	P
			06	Bjorkman, P	A	A	P
			07	Arnold, F	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	08	Rothenberg, E	A	A	P
			09	Varshavsky, A	A	A	P
			10	Sternberg, P	A	A	P
			11	Fraser, S	A	A	P
			12	Meyerowitz, E	A	A	P
			13	Kennedy, M	A	A	P
			14	Mazmanian, S	A	A	P
			15	Winfree, E	A	A	P
			16	Leadbetter, J	A	A	P
			17	Orphan, V	A	A	P
			18	Shapiro, M	A	A	P
			22	Patterson, P	A	A	P
			24	Wold, B	A	A	P
			32	Goddard, W	A	A	P
			33	Elowitz, M	A	A	P
			37	Stathopoulos, A	A	A	P
			38	Chan, D	A	A	P
			39	Stevenson, D	A	A	P
			40	Parker, C	A	A	P
			41	Hay, B	A	A	P
			43	Shimojo, S	A	A	P
			44	Sauka-Spengler, T	A	A	P
			45	Clemons, W	A	A	P
			46	Baltimore, D	A	A	P
			47	Tirrell, D	A	A	P
			48	Anderson, D	A	A	P
			52	Prober, D	A	A	P
			53	Newman, D	A	A	P
			54	Gradinaru, V	A	A	P
			55	Guttman, M	A	A	P
			56	Meister, M	A	A	P
			57	Goentoro, L	A	A	P
			58	Stevenson, D	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	60	Hsiao, E	A	A	P
Bi/BE 024	3-0-3	Technical Communication for Biological Scientists and Engineers <i>This class is limited to 20 seniors with priority given to seniors in Biology and Bioengineering.</i>	01	Anderson, B	TR 10:30 - 11:55	B101 BBB	G
Bi 090A	+	Undergraduate Thesis	01	Bjorkman, P / Lester, H	A	A	P
			02	Bjorkman, P / Davidson, E	A	A	P
			03	Bjorkman, P / Sternberg, P	A	A	P
			04	Bjorkman, P / Davis, M	A	A	P
			05	Bjorkman, P / Newman, D	A	A	P
			06	Bjorkman, P / Baltimore, D	A	A	P
			07	Bjorkman, P / Fejes Toth, K	A	A	P
			08	Bjorkman, P / Anderson, D	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bjorkman, P / Rothenberg, E	A	A	P
			12	Bjorkman, P / Doyle, J	A	A	P
			13	Bjorkman, P / Wold, B	A	A	P
BE/Bi 103	1-3-5	Data Analysis in the Biological Sciences	01	Bois, J	M 13:00 - 15:55 W 10:00 - 10:55	200 BRD 100 - Rock Auditorium BRD	
			02	Bois, J	M 19:00 - 21:55 W 10:00 - 10:55	200 BRD 100 - Rock Auditorium BRD	
ChE/Ch/E/Bi 107	3-0-6	Social Media for Scientists <i>class closed to undergraduates at this time - open to graduate students only // maximum enrollment 30 students</i>	01	Davis, M	MWF 15:00 - 15:55	106 SPL	

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BIOLOGY							
Bi/Ch 110	4-0-8	Introduction to Biochemistry <i>Taught by Biochemistry faculty</i>	01	Campbell, J / Parker, C	TR 11:00 - 11:55 W 14:00 - 15:55	147 NYS 147 NYS	
Bi 122	3-0-6	Genetics <i>no time conflicts are permitted</i>	01	Hay, B	TR 13:00 - 14:25	119 KRK	G
Bi/Ch 132	3-0-6	Biophysics of Macromolecules <i>class will meet in 151 Crellin on October 27th, from 1:15-2:30pm</i>	01	Beauchamp, J / Cai, L	TR 13:00 - 14:25	200 BRD	G
Bi 145A	3-0-6	Tissue and Organ Physiology	01	Tydell, C	MW 19:00 - 20:25	152 BRN	
Bi/CNS/NB 153	3-0-6	Brain Circuits	01	Meister, M	WF 10:30 - 11:55	B101 BBB	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	B101 BBB	
Bi 165	2-3-1	Microbiology Research: Practice and Proposal	01	Hoy, J	M 11:00 - 11:55	101 KRK	
ESE/Bi 166	3-1-5	Microbial Physiology	01	Leadbetter, J	MWF 10:00 - 10:55	162 SMD	
BMB/Bi/Ch 170	3-0-6	Biochemistry and Biophysics of Macromolecules and Molecular Assemblies	01	Clemons, W	TR 10:30 - 11:55	151 CRL	G
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Perona, P	TR 10:30 - 11:55	B280 MRE	
Bi 192	2-0-4	Introduction to Systems Biology	01	Goentoro, L	TR 10:30 - 11:55	101 KRK	
Bi/CNS/NB 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	F 14:00 - 15:55	200 BRD	G
Bi 250A	3-0-6	Topics in Molecular and Cellular Biology	01	Prober, D	TR 13:00 - 14:25	152 BRN	P
Bi/BMB 251A	1-0-0	Current Research in Cellular and Molecular Biology	01	Hay, B	W 12:00 - 12:55	119 KRK	P

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BIOLOGY							
Bi 270A	3-0-6	Special Topics in Biology: Evolutionary Biology - Principles, Debates, and Applications <i>maximum enrollment: 15 students // Class begins on Thursday, October 6th</i>	01	Foster, K	R 14:30 - 16:25	152 BRN	
Bi/BE/CS 271A	3-0-6	Special Topics in Computational Biology: Introduction to Sequence Analysis and Motif Discovery <i>class begins October 3rd</i>	01	Grosse, I	M 09:00 - 10:45 R 09:00 - 10:25	B180 BBB B180 BBB	
Bi 299	+	Graduate Research	01	Kirschvink, J	A	A	P
			02	Baltimore, D	A	A	P
			03	Allman, J	A	A	P
			04	Anderson, D	A	A	P
			05	Arnold, F	A	A	P
			06	Qian, L	A	A	P
			07	Pierce, N	A	A	P
			08	Bjorkman, P	A	A	P
			09	Bronner Hansen, M	A	A	P
			10	Campbell, J	A	A	P
			11	Chan, D	A	A	P
			12	Davidson, E	A	A	P
			13	Deshaies, R	A	A	P
			15	Dunphy, W	A	A	P
			16	Fraser, S	A	A	P
			17	Gharib, M	A	A	P
			18	Kennedy, M	A	A	P
			19	Orphan, V	A	A	P
			20	Hsieh-Wilson, L	A	A	P
			21	Cai, L	A	A	P
			22	Guo, C	A	A	P
			23	Mayo, S	A	A	P
			24	Goentoro, L	A	A	P
			25	Newman, D	A	A	P
			26	Meyerowitz, E	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	27	Lois, C	A	A	P
			28	Newman, H	A	A	P
			29	Adolphs, R	A	A	P
			30	Shapiro, M	A	A	P
			31	Meister, M	A	A	P
			32	Oka, Y	A	A	P
			33	Ismagilov, R	A	A	P
			34	Shimojo, S	A	A	P
			35	Lester, H	A	A	P
			36	Sternberg, P	A	A	P
			37	Rothenberg, E	A	A	P
			38	Varshavsky, A	A	A	P
			39	Wold, B	A	A	P
			40	Zinn, K	A	A	P
			41	Jensen, G	A	A	P
			42	Heath, J	A	A	P
			43	Siapas, A	A	A	P
			44	Andersen, R	A	A	P
			45	Dickinson, M	A	A	P
			46	Leadbetter, J	A	A	P
			47	Winfree, E	A	A	P
			48	Tsao, D	A	A	P
			49	Prober, D	A	A	P
			50	Elowitz, M	A	A	P
			51	Stathopoulos, A	A	A	P
			52	Mazmanian, S	A	A	P
			53	Clemons, W	A	A	P
			54	Hay, B	A	A	P
			55	Aravin, A	A	A	P
			56	Dougherty, D	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Murray, R	A	A	P
			59	Burdick, J	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	60	Gradinaru, V	A	A	P
			61	Guttman, M	A	A	P
			62	Scherer, A	A	A	P
			63	Hong, E	A	A	P
			64	Phillips, R	A	A	P
			65	Doyle, J	A	A	P
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Pickar, K	A	A	P
			02	Cvitanic, J	A	A	P
			03	Gillen, B	A	A	P
BEM103	3-0-6	Introduction to Finance	01	Roll, R	TR 13:00 - 14:25	B180 BBB	
BEM105	3-0-6	Options	01	Cvitanic, J	MW 14:30 - 15:55	B125 BAX	
BEM106	3-0-6	Competitive Strategy <i>Designated as Writing Intensive Course</i>	01	Snowberg, E	MW 13:00 - 14:25	127 BAX	G
BEM190	+	Undergraduate Research Project <i>course cancelled / students may sign up for BEM 97</i>	01	Staff	A	A	P
CHEMICAL ENGINEERING							
ChE062	3-0-6	Separation Processes	01	Seinfeld, J	MWF 14:00 - 14:55	106 SPL	G
ChE080	+	Undergraduate Research	01	Flagan, R	A	A	P
			03	Fultz, B	A	A	P
			04	Lewis, N	A	A	P
			05	Davis, M	A	A	P
			06	Grubbs, R	A	A	P
			07	Brady, J	A	A	P
			33	Atwater, H	A	A	P
			34	Seinfeld, J	A	A	P

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CHEMICAL ENGINEERING							
ChE080	+	Undergraduate Research	35	Arnold, F	A	A	P
			36	Tirrell, D	A	A	P
			37	Kornfield, J	A	A	P
			38	Giapis, K	A	A	P
ChE090A	+	Senior Thesis	01	Giapis, K	A	A	P
			02	Arnold, F	A	A	P
			03	Flagan, R	A	A	P
			04	Mayo, S	A	A	P
			05	Lewis, N	A	A	P
			06	Atwater, H	A	A	P
			07	Brady, J	A	A	P
			08	Ismagilov, R	A	A	P
			09	Tirrell, D	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 13:00 - 14:55	101 SCH	G
ChE103A	3-0-6	Transport Phenomena	01	Kornfield, J	MWF 10:00 - 10:55	153 NYS	
ChE/Ch/E/Bi 107	3-0-6	Social Media for Scientists <i>class closed to undergraduates at this time - open to graduate students only // maximum enrollment 30 students</i>	01	Davis, M	MWF 15:00 - 15:55	106 SPL	
ChE126	1-6-2	Chemical Engineering Laboratory <i>Maximum Enrollment: 12 students per section</i>	01	Vicic, M	A	A	G
			02	Vicic, M	TR 09:00 - 11:55	122 SPL	G
			03	Vicic, M	TR 13:00 - 15:55	122 SPL	G
ChE152	3-0-6	Heterogeneous Kinetics and Reaction Engineering	01	Davis, M	MWF 14:00 - 14:55	102 SPL	
ChE/BE 163	3-0-9	Introduction to Biomolecular Engineering	01	Bois, J / Arnold, F	TR 13:00 - 14:25	106 SPL	
ChE/Ch 165	3-0-6	Chemical Thermodynamics	01	Gavalas, G	TR 10:30 - 11:55	106 SPL	

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Ismagilov, R	A	A	P
			03	Atwater, H	A	A	P
			04	Elowitz, M	A	A	P
			05	Pierce, N	A	A	P
			06	Murray, R	A	A	P
			07	Brady, J	A	A	P
			08	Stoltz, B	A	A	P
			09	Snyder, G	A	A	P
			10	Davis, M	A	A	P
			11	Fultz, B	A	A	P
			12	Bercaw, J	A	A	P
			13	Flagan, R	A	A	P
			14	Shapiro, M	A	A	P
			15	Dougherty, D	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			21	Kornfield, J	A	A	P
			22	Troian, S	A	A	P
			23	Lewis, N	A	A	P
			35	Seinfeld, J	A	A	P
			37	Tirrell, D	A	A	P
			38	Wang, Z	A	A	P
40	Yung, Y	A	A	P			
42	Heath, J	A	A	P			
43	Haile, S	A	A	P			
44	Greer, J	A	A	P			
45	Miller, T	A	A	P			
CHEMISTRY							
Ch 001A	3-0-3	General Chemistry	01	Lewis, N	MT 11:00 - 11:55	Lecture Hall BAX 152 BRN	P
					R 11:00 - 11:55		
			02	Lewis, N	MT 11:00 - 11:55	Lecture Hall BAX	P

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CHEMISTRY							
Ch 001A	3-0-3	General Chemistry	02	Lewis, N	R 11:00 - 11:55	B180 BBB	P
			03	Lewis, N	MT 11:00 - 11:55	Lecture Hall BAX	P
					R 11:00 - 11:55	119 DWN	
			04	Lewis, N	MT 11:00 - 11:55	Lecture Hall BAX	P
					R 11:00 - 11:55	103 DWN	
			05	Lewis, N	MT 11:00 - 11:55	Lecture Hall BAX	P
					R 11:00 - 11:55	121 BCK	
			06	Lewis, N	MT 11:00 - 11:55	Lecture Hall BAX	P
					R 11:00 - 11:55	155 ARM	
			07	Lewis, N	MT 11:00 - 11:55	Lecture Hall BAX	P
					R 11:00 - 11:55	142 KCK	
					MT 11:00 - 11:55	Lecture Hall BAX	P
		R 11:00 - 11:55	B122 GCL				
		MT 11:00 - 11:55	Lecture Hall BAX	P			
		R 11:00 - 11:55	B111 DWN				
		MT 11:00 - 11:55	Lecture Hall BAX	P			
		R 11:00 - 11:55	200 BRD				
		MT 11:00 - 11:55	Lecture Hall BAX	P			
		R 11:00 - 11:55	B127 GCL				
		MT 11:00 - 11:55	Lecture Hall BAX	P			
		R 11:00 - 11:55	119 KRK				
Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>Maximum Enrollment: 20 students per section// Section 3 reserved for Freshmen</i>	01	Mendez, J	T 08:00 - 10:55	107 MEAD	P
					F 13:00 - 13:55	153 NYS	
			02	Mendez, J	T 13:00 - 15:55	107 MEAD	P
					F 13:00 - 13:55	153 NYS	
		T 19:30 - 22:25	107 MEAD	P			
		F 13:00 - 13:55	153 NYS				
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Maximum Enrollment: 20 students per section</i>	01	Mendez, J	F 09:00 - 09:55	151 CRL	P
					W 12:00 - 14:55	107 MEAD	
			02	Mendez, J	F 09:00 - 09:55	151 CRL	P
					R 08:00 - 10:55	107 MEAD	

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CHEMISTRY							
Ch 005B	1-9-2	Advanced Techniques of Synthesis and Analysis <i>OM on the first Monday of the term from 2-3pm to arrange lab hours on Mondays and Fridays (8am-4pm)/Thursdays (1-4pm). OM to decide lecture time. // Class will meet on MW (10/3, 10/5, 10/10 & 10/12) in 118 Schlinger from noon -1pm</i>	01	Agapie, T	OM,M 14:00 - 14:55	MEAD	
Ch 008	1-6-2	Experimental Procedures of Synthetic Chemistry <i>Instructor will contact student via email to select 2 sections. // Section times will be: Tuesdays 8-11am; Tuesdays 1-4pm; Thursdays 8-11am; and Thursdays 1-4pm. Lecture 147 Noyes Friday 11am.</i>	01	Mendez, J	F 11:00 - 11:55 A	151 CRL 105 MEAD	
Ch 010A	2-0-1	Frontiers in Chemistry <i>Lab tour times to be determined.</i>	01	Dervan, P / Hoelz, A	R 12:00 - 12:55 A	147 NYS A	P
Ch 021A	3-0-6	Physical Chemistry	01	Chan, G	MWF 13:00 - 13:55	147 NYS	G
Ch 041A	3-0-6	Organic Chemistry	01	Grubbs, R	MWF 09:00 - 09:55	153 NYS	
Ch 080	+	Chemical Research	01 02 03	Dougherty, D Hoffmann, M Grubbs, R	A A A	A A A	P P P
Ch 081	+	Independent Reading in Chemistry	02 04 05 06 07 22	Heath, J Grubbs, R Gray, H Goddard, W Agapie, T Lewis, N	A A A A A A	A A A A A A	P P P P P P
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01 02 03 04	Grubbs, R / Okumura, M Hoelz, A / Okumura, M Peters, J / Okumura, M Tirrell, D / Okumura, M	A A A A	A A A A	P P P P

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CHEMISTRY							
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	05	Stoltz, B / Okumura, M	A	A	P
			06	Agapie, T / Okumura, M	A	A	P
			07	Gray, H / Okumura, M	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 13:00 - 14:55	101 SCH	G
ChE/Ch/E/Bi 107	3-0-6	Social Media for Scientists <i>class closed to undergraduates at this time - open to graduate students only // maximum enrollment 30 students</i>	01	Davis, M	MWF 15:00 - 15:55	106 SPL	
Bi/Ch 110	4-0-8	Introduction to Biochemistry <i>Taught by Biochemistry faculty</i>	01	Campbell, J / Parker, C	TR 11:00 - 11:55 W 14:00 - 15:55	147 NYS 147 NYS	
Ch 112	3-0-6	Inorganic Chemistry	01	Agapie, T	TR 09:00 - 10:25	147 NYS	
Ch 120A	3-0-6	Nature of the Chemical Bond	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch 122	3-0-6	Structure Determination by X-ray Crystallography	01	Takase, M	MWF 10:00 - 10:55	115 BCK	G
Ch 125A	3-0-6	The Elements of Quantum Chemistry	01	Okumura, M	MWF 11:00 - 11:55	147 NYS	G
Bi/Ch 132	3-0-6	Biophysics of Macromolecules <i>class will meet in 151 Crellin on October 27th, from 1:15-2:30pm</i>	01	Beauchamp, J / Cai, L	TR 13:00 - 14:25	200 BRD	G
Ch 149	2-0-4	Tutorial in Organic Chemistry <i>Prerequisite: Ch 41abc & instructor's permission. // This course is intended primarily for 1st-year grad students with a strong foundation in organic chemistry. // Meets during the month of October.</i>	01	Fu, G / Stoltz, B	MWF 14:00 - 15:55	218 SCH	P
			02	Stoltz, B / Fu, G	U 15:00 - 16:55	318 SCH	P
					TR 15:00 - 16:55	318 SCH	
ChE/Ch 165	3-0-6	Chemical Thermodynamics	01	Gavalas, G	TR 10:30 - 11:55	106 SPL	

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CHEMISTRY							
BMB/Bi/Ch 170	3-0-6	Biochemistry and Biophysics of Macromolecules and Molecular Assemblies	01	Clemons, W	TR 10:30 - 11:55	151 CRL	G
BMB/Ch 178	3-0-6	Macromolecular Function: Kinetics, Energetics, and Mechanisms	01	Shan, S	WF 10:30 - 11:55	101 SCH	
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
			02	Goddard, W	A	A	P
			21	Gray, H	A	A	P
			22	Lewis, N	A	A	P
			38	Weitekamp, D	A	A	P
Ch 182	+	Senior Thesis Research <i>9 units per term</i>	01	Staff	A	A	P
BMB/Ch 202A	1-0-0	Biochemistry Seminar Course <i>Most sessions will take place on Thursdays. Specific dates TBA and will coincide with the dates of the Biochemistry Seminars. Students will meet with the Biochemistry seminar speaker in the discussion session for an hour and then attend the seminar at 4pm.</i>	01	Clemons, W	R 12:00 - 12:55	320 BRN	P
Ch 213A	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	G
Ch 242A	3-0-6	Chemical Synthesis <i>Lecture MWF 9-10am -- Recitation T 7-9pm -- Tutorial R 7-9pm</i>	01	Stoltz, B	MWF 09:00 - 09:55 TR 19:00 - 20:55	147 NYS 147 NYS	
Ch 280	+	Chemical Research	01	Adkins, J	A	A	P
			02	Arnold, F	A	A	P
			03	Bjorkman, P	A	A	P
			04	Atwater, H	A	A	P
			05	Barton, J	A	A	P
			06	Beauchamp, J	A	A	P
			07	Bercaw, J	A	A	P
			08	Blake, G	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	09	Wang, Z	A	A	P
			10	Newman, D	A	A	P
			11	Shimojo, S	A	A	P
			12	Eiler, J	A	A	P
			13	Davis, M	A	A	P
			14	Dervan, P	A	A	P
			15	Dougherty, D	A	A	P
			16	Reisman, S	A	A	P
			17	Fraser, S	A	A	P
			18	Miller, T	A	A	P
			19	Clemons, W	A	A	P
			20	Goddard, W	A	A	P
			21	Gray, H	A	A	P
			22	Grubbs, R	A	A	P
			23	Heath, J	A	A	P
			24	Hsieh-Wilson, L	A	A	P
			25	Hoffmann, M	A	A	P
			26	Kornfield, J	A	A	P
			27	Hoelz, A	A	A	P
			28	Lewis, N	A	A	P
			29	Peters, J	A	A	P
			30	Marcus, R	A	A	P
			31	Mayo, S	A	A	P
			32	Cai, L	A	A	P
			33	Okumura, M	A	A	P
			34	Ponce, A	A	A	P
			35	Peters, J	A	A	P
			36	Ismagilov, R	A	A	P
			37	Fu, G	A	A	P
			38	Rees, D	A	A	P
			39	Lester, H	A	A	P
			40	Haile, S	A	A	P
			41	van de Walle, A	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	42	Seinfeld, J	A	A	P
			43	Stoltz, B	A	A	P
			44	Tirrell, D	A	A	P
			45	Roberts, J	A	A	P
			46	Weitekamp, D	A	A	P
			47	Wennberg, P	A	A	P
			49	Shan, S	A	A	P
			50	Agapie, T	A	A	P
			51	Sternberg, P	A	A	P
			52	Tirrell, D	A	A	P
			53	Fu, G	A	A	P
			54	Deshaies, R	A	A	P
			55	Campbell, J	A	A	P
			56	Jensen, G	A	A	P
			57	Pierce, N	A	A	P
			58	Shapiro, M	A	A	P
			59	Chan, G	A	A	P
CIVIL ENGINEERING							
CE 100	+	Special Topics in Civil Engineering	01	Staff	A	A	
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151A	3-0-6	Dynamics and Vibration	01	Heaton, T	MWF 10:00 - 10:55	115 GTL	G
CE 200	+	Advanced Work in Civil Engineering	01	Heaton, T	A	A	P

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CIVIL ENGINEERING							
Ae/AM/CE/ME 214A	3-0-6	Computational Solid Mechanics <i>see course syllabus link for updated course description</i>	01	Kochmann, D	TR 14:30 - 15:55	133 GUG	
Ae/CE 221	3-0-6	Space Structures <i>OM will be held Monday, October 3rd.</i>	01	Pellegrino, S	OM,M 14:00 - 14:55	232 GUG	
CE 300	+	Research in Civil Engineering	01	Beck, J	A	A	P
			02	Hall, J	A	A	P
			03	Heaton, T	A	A	P
			04	Andrade, J	A	A	P
			05	Lapusta, N	A	A	P
			06	Asimaki, D	A	A	P
COMPUTATION & NEURAL SYS							
CNS100	1-0-0	Introduction to Computation and Neural Systems	01	Perona, P	W 19:00 - 19:55	100 - Rock Auditorium BRD	P
Bi/CNS/NB 153	3-0-6	Brain Circuits	01	Meister, M	WF 10:30 - 11:55	B101 BBB	
CS/CNS/EE 156A	3-0-6	Learning Systems	01	Abu-Mostafa, Y	TR 14:00 - 15:55	Lecture Hall BAX	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	B101 BBB	
CS/CNS 171	3-6-3	Introduction to Computer Graphics Laboratory <i>class will meet in Steele 102 on the Friday, Oct 7</i>	01	Barr, A	MWF 15:00 - 15:55	213 ANB	
CNS180	+	Research in Computation and Neural Systems	01	Abu-Mostafa, Y	A	A	P
			02	Anderson, D	A	A	P
			03	O'Doherty, J	A	A	P
			04	Andersen, R	A	A	P
			05	Shimojo, S	A	A	P
			06	Quartz, S	A	A	P
			07	Tsao, D	A	A	P
			08	Dickinson, M	A	A	P

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COMPUTATION & NEURAL SYS							
CNS180	+	Research in Computation and Neural Systems	10	Oka, Y	A	A	P
			11	Rangel, A	A	A	P
			12	Murray, R	A	A	P
			13	Perona, P	A	A	P
			14	Camerer, C	A	A	P
			15	Elowitz, M	A	A	P
			16	Gradinaru, V	A	A	P
			17	Allman, J	A	A	P
			18	Siapas, A	A	A	P
			19	Fraser, S	A	A	P
			20	Burdick, J	A	A	P
			21	Winfree, E	A	A	P
			22	Wold, B	A	A	P
			23	Low, S	A	A	P
			24	Meister, M	A	A	P
			25	Kennedy, M	A	A	P
			26	Adolphs, R	A	A	P
			27	Pine, J	A	A	P
			28	Hoffmann, M	A	A	P
			29	Hong, E	A	A	P
30	Prober, D	A	A	P			
31	Yue, Y	A	A	P			
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Perona, P	TR 10:30 - 11:55	B280 MRE	
Bi/CNS/NB 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	F 14:00 - 15:55	200 BRD	G
CNS280	+	Research in Computation and Neural Systems	01	Burdick, J	A	A	P
			02	Meister, M	A	A	P
			03	Camerer, C	A	A	P
			04	Andersen, R	A	A	P
			05	Lester, H	A	A	P
			06	O'Doherty, J	A	A	P

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COMPUTATION & NEURAL SYS										
CNS280	+	Research in Computation and Neural Systems	07	Bruck, J	A	A	P			
			08	Tsao, D	A	A	P			
			09	Koch, C	A	A	P			
			10	Konishi, M	A	A	P			
			11	Murray, R	A	A	P			
			12	Gradinaru, V	A	A	P			
			13	Perona, P	A	A	P			
			14	Scherer, A	A	A	P			
			15	Quartz, S	A	A	P			
			16	Elowitz, M	A	A	P			
			17	Shimojo, S	A	A	P			
			18	Siapas, A	A	A	P			
			19	Sternberg, P	A	A	P			
			20	Winfrey, E	A	A	P			
			21	Wold, B	A	A	P			
			22	Hoffmann, M	A	A	P			
			23	Dickinson, M	A	A	P			
			24	Allman, J	A	A	P			
			25	Oka, Y	A	A	P			
			26	Adolphs, R	A	A	P			
			27	Desbrun, M	A	A	P			
			28	Goddard, W	A	A	P			
			29	Rangel, A	A	A	P			
			SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences <i>Open to undergraduates with instructor approval</i>	01	Adolphs, R / Alvarez, R	M 19:00 - 20:55	125 BAX	P
			COMPUTER SCIENCE							
			CS 001	3-4-2	Introduction to Computer Programming	01	Vanier, M	MWF 14:00 - 14:55	Institute Auditorium BCK	P
			Ma/CS 006A	3-0-6	Introduction to Discrete Mathematics	01	Sheffer, A	MWF 13:00 - 13:55	201 BRG	

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COMPUTER SCIENCE							
CS 009	1-0-0	Introduction to Computer Science Research	01	Desbrun, M	W 19:30 - 20:25	105 ANB	P
CS 011	0-3-0	Computer Language Lab <i>CS 1 or instructor's permission is required.</i>	01	Pinkston, D / Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
EE/CS 051	4-5-3	Principles of Microprocessor Systems	01	George, G	MWF 15:00 - 16:25	B270 MRE	
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:30 - 17:25	B270 MRE	
CS 080A	+	Undergraduate Thesis	01	Winfree, E	A	A	P
			02	Chandy, K	A	A	P
			03	Desbrun, M	A	A	P
			04	Schroeder, P	A	A	P
			05	Wierman, A	A	A	P
			06	Barr, A	A	A	P
			08	Low, S	A	A	P
			09	Yue, Y	A	A	P
			10	Perona, P	A	A	P
			11	Bruck, J	A	A	P
			12	Schulman, L	A	A	P
			13	Umans, C	A	A	P
			CS 081A	+	Undergraduate Projects in Computer Science	01	Chandy, K
02	Barr, A	A				A	P
03	Chandy, K	A				A	P
04	Murray, R	A				A	P
05	Martin, A	A				A	P
06	Winfree, E	A				A	P
07	Perona, P	A				A	P
08	Pinkston, D	A				A	P
09	Pierce, N	A				A	P
10	Vanier, M	A				A	P
11	Wierman, A	A				A	P

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COMPUTER SCIENCE							
CS 081A	+	Undergraduate Projects in Computer Science	12	Umans, C	A	A	P
			13	Burdick, J	A	A	P
			14	Low, S	A	A	P
			15	Yue, Y	A	A	P
			16	Hassibi, B	A	A	P
			17	Desbrun, M	A	A	P
			18	Mahabal, A	A	A	P
			19	Schroeder, P	A	A	P
			20	Djorgovski, S	A	A	P
			21	George, G	A	A	P
			22	Vidick, T	A	A	P
			23	Ralph, C	A	A	P
			CS 090	+	Undergraduate Reading in Computer Science	01	Chandy, K
02	Pinkston, D	A				A	P
03	Low, S	A				A	P
04	Djorgovski, S	A				A	P
05	Winfree, E	A				A	P
06	Schroeder, P	A				A	P
07	Barr, A	A				A	P
08	George, G	A				A	P
09	Gray, H	A				A	P
11	Burdick, J	A				A	P
12	Wierman, A	A				A	P
13	Vanier, M	A				A	P
CS 101A	+	Special Topics in Computer Science <i>Section 1: Number Theoretic Methods in Cryptography (3-0-6) // Section 2: Projects in Machine Learning (0-9-0)</i>				01	Narayanan, A
			02	Yue, Y / Tamuz, O	OM,M 15:00 - 15:55	105 ANB	
CS 102A	+	Seminar in Computer Science	01	Staff	A	A	P
CS 103A	+	Reading in Computer Science	01	Wierman, A	A	A	P

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CS 111	0-3-0	Programming Practicum	01	Pinkston, D / Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
Ma/CS 117A	3-0-6	Computability Theory	01	Kechris, A	TR 13:00 - 14:25	151 SLN	
CS/Ph 120	3-0-6	Quantum Cryptography	01	Vidick, T	TR 10:30 - 11:55	243 ANB	
CS 121	3-0-6	Introduction to Relational Databases <i>class will meet in Steele 102 on the following Fridays: Oct 7, Nov 11 and Nov 18</i>	01	Pinkston, D	MWF 11:00 - 11:55	105 ANB	
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G
CS/EE 143	3-3-3	Communication Networks	01	Low, S	TR 10:30 - 11:55	213 ANB	
EE/CS 147	3-3-3	Digital Ventures Design	01	Lahouti, F	MW 13:00 - 14:25	B280 MRE	
CS 150	3-0-6	Probability and Algorithms	01	Schulman, L	TR 09:00 - 10:25	314 ANB	
CS/CNS/EE 156A	3-0-6	Learning Systems	01	Abu-Mostafa, Y	TR 14:00 - 15:55	Lecture Hall BAX	
CS/CNS 171	3-6-3	Introduction to Computer Graphics Laboratory <i>class will meet in Steele 102 on the Friday, Oct 7</i>	01	Barr, A	MWF 15:00 - 15:55	213 ANB	
CS 177A	3-3-3	Discrete Differential Geometry: Theory and Applications	01	Schroeder, P	TR 10:30 - 11:55	314 ANB	
CS 180	+	Master's Thesis Research	01	Martin, A	A	A	P
			02	Desbrun, M	A	A	P
			03	Low, S	A	A	P
			04	Chandy, K	A	A	P
			05	Wierman, A	A	A	P
			06	Umans, C	A	A	P

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COMPUTER SCIENCE							
CS 180	+	Master's Thesis Research	08	Barr, A	A	A	P
			09	Kitaev, A	A	A	P
			10	Perona, P	A	A	P
			12	Schroeder, P	A	A	P
			14	Winfrey, E	A	A	P
			15	Ligett, K	A	A	P
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Perona, P	TR 10:30 - 11:55	B280 MRE	
Ph/CS 219A	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	269 LAU	P
CS/Ph 220	3-0-6	Quantum Cryptography <i>class cancelled - will be offered as CS/Ph 120</i>	01	Staff	A	A	
Bi/BE/CS 271A	3-0-6	Special Topics in Computational Biology: Introduction to Sequence Analysis and Motif Discovery <i>class begins October 3rd</i>	01	Grosse, I	M 09:00 - 10:45 R 09:00 - 10:25	B180 BBB B180 BBB	
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Chandy, K	A	A	P
			03	Winfrey, E	A	A	P
			04	Troian, S	A	A	P
			05	Ligett, K	A	A	P
			06	Chandrasekaran, V	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Murray, R	A	A	P
			10	Perona, P	A	A	P
			11	Schroeder, P	A	A	P
			12	Vidick, T	A	A	P
			13	Cvitanic, J	A	A	P
			14	Umans, C	A	A	P
			15	Desbrun, M	A	A	P
			16	Kitaev, A	A	A	P

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COMPUTER SCIENCE							
CS 280	+	Research in Computer Science	17	Wierman, A	A	A	P
			18	Doyle, J	A	A	P
			19	Schulman, L	A	A	P
			29	Yue, Y	A	A	P
CS 286A	+	Seminar in Computer Science	01	Schulman, L	A	A	
COMPUTING AND MATHEMATICAL SCIENCES							
CMS/ACM 107	3-3-6	Introduction to Linear Analysis with Applications <i>class will meet in 102 Steele during the first week of the term</i>	01	Stuart, A	TR 10:30 - 11:55	384 FIR	
CMS/ACM 113	3-0-6	Mathematical Optimization	01	Chandrasekaran, V	MW 13:00 - 14:25	213 ANB	
CMS/ACM/EE 117	3-0-9	Introduction to Probability and Random Processes	01	Owhadi, H	TR 09:00 - 10:25	213 ANB	
CMS290A	1-0-0	Computing and Mathematical Sciences Colloquium	01	Chandrasekaran, V	M 16:00 - 16:55	105 ANB	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

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COMPUTING AND MATHEMATICAL SCIENCES										
CMS300	+	Research in Computing and Mathematical Sciences	16	Winfree, E	A	A	P			
			17	Yue, Y	A	A	P			
CONTROL & DYNAMICAL SYSTEMS										
CDS090A	0-0-9	Senior Thesis in Control and Dynamical Systems	01	Murray, R	A	A	G			
CDS101	2-2-2	Design and Analysis of Feedback Systems <i>taught concurrently with CDS110 // class will meet in Steele 102 on the following Fridays: Oct 7, Nov 11 and Nov 18</i>	01	Burdick, J	MWF 14:00 - 14:55	105 ANB				
CDS110	3-3-6	Introduction to Feedback Control Systems <i>taught concurrently with CDS101 // class will meet in Steele 102 on the following Fridays: Oct 7, Nov 11 and Nov 18</i>	01	Burdick, J	MWF 14:00 - 14:55	105 ANB				
CDS190	+	Independent Work in Control and Dynamical Systems <i>offered Pass/Fail only</i>	01	Staff	A	A	P			
CDS300A	+	Research in Control and Dynamical Systems	01	Dickinson, M	A	A	P			
			02	Siapas, A	A	A	P			
			03	Doyle, J	A	A	P			
			04	Owhadi, H	A	A	P			
			07	Beck, J	A	A	P			
			08	Murray, R	A	A	P			
			10	Burdick, J	A	A	P			
			11	Elowitz, M	A	A	P			
			12	Desbrun, M	A	A	P			
			13	Ortiz, M	A	A	P			
			14	Goentoro, L	A	A	P			
			15	Adolphs, R	A	A	P			
			ECONOMICS							
			Ec 011	3-2-4	Introduction to Economics	01	Plott, C	MWF 13:00 - 13:55	Lecture Hall BAX	G

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ECONOMICS							
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
Ec 098A	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
Ec 105	3-0-6	Industrial Organization <i>class cancelled</i>	01	Staff	A	A	G
Ec 121A	3-0-6	Theory of Value	01	Border, K	TR 10:30 - 11:55	128 BAX	G
Ec 122	3-0-6	Econometrics <i>Maximum Enrollment: 30 students // class will meet in Baxter B119 on Thursday, 11/17</i>	01	Sherman, R	TR 13:00 - 14:25	B125 BAX	
Ec 135	3-0-6	Economics of Uncertainty and Information <i>class will meet in Baxter B119 on Thursday, 11/17</i>	01	Agranov, M	TR 09:00 - 10:25	125 BAX	G
Ec/PS 160A	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Ec/PS 190A required for 190B and 190C //Maximum enrollment: 10 students in 160a and SS 260</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
Ec 190	+	Undergraduate Research <i>course cancelled / students may sign up for Ec 097</i>	01	Alvarez, R	A	A	P
ELECTRICAL ENGINEERING							
APh/EE 009A	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer, A / Potter, K	TR 13:00 - 13:55	B280 MRE	
EE 044	4-0-8	Circuits and Systems	01	Hajimiri, S	TR 09:00 - 10:55	B270 MRE	G
EE/CS 051	4-5-3	Principles of Microprocessor Systems	01	George, G	MWF 15:00 - 16:25	B270 MRE	

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ELECTRICAL ENGINEERING							
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:30 - 17:25	B270 MRE	
EE 080A	+	Senior Thesis	01	Vaidyanathan, P	A	A	P
EE 091A	+	Experimental Projects in Electronic Circuits <i>Units by arrangement; 12 units minimum each term</i>	01	Megdal, B	OM,T 16:00 - 16:55	B280 MRE	G
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Tai, Y	A	A	P
			03	Perona, P	A	A	P
			04	George, G	A	A	P
			05	Hajimiri, S	A	A	P
			06	Yang, C	A	A	P
			07	Burdick, J	A	A	P
			08	Choo, H	A	A	P
			09	Emami, A	A	A	P
			10	Yariv, A	A	A	P
			11	Hassibi, B	A	A	P
			12	Low, S	A	A	P
EE 105A	1-0-0	Electrical Engineering Seminar	01	Hassibi, B	A	A	P
EST/EE/ME 109	3-0-6	Energy Technology and Policy <i>class cancelled</i>	01	Staff	A	A	
EE 111	3-0-6	Signal-Processing Systems and Transforms	01	Vaidyanathan, P	TR 13:00 - 14:25	B270 MRE	
ACM/EE 116	3-1-5	Introduction to Probability Models	01	Zuev, K	TR 09:00 - 10:25	105 ANB	
CMS/ACM/EE 117	3-0-9	Introduction to Probability and Random Processes	01	Owhadi, H	TR 09:00 - 10:25	213 ANB	

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ELECTRICAL ENGINEERING							
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	B157 BRG	
EE 119A	3-3-3	Advanced Digital Systems Design	01	George, G	MW 13:00 - 14:25	B270 MRE	
EE/MedE 124	3-0-6	Mixed-mode Integrated Circuits <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G
APh/EE 130	3-0-6	Electromagnetic Theory <i>class cancelled</i>	01	Staff	A	A	
CS/EE 143	3-3-3	Communication Networks	01	Low, S	TR 10:30 - 11:55	213 ANB	
EE/CS 147	3-3-3	Digital Ventures Design	01	Lahouti, F	MW 13:00 - 14:25	B280 MRE	
EE 150	3-7-2	Topics in Electrical Engineering: High Frequency Systems Laboratory <i>maximum enrollment: 14 students</i>	01	Russell, D	MF 13:00 - 14:25 OM,M 09:00 - 09:55	106 ANB B280 MRE	G
CS/CNS/EE 156A	3-0-6	Learning Systems	01	Abu-Mostafa, Y	TR 14:00 - 15:55	Lecture Hall BAX	
EE/Ae 157A	3-0-6	Introduction to the Physics of Remote Sensing	01	van Zyl, J	M 14:30 - 15:55 W 14:30 - 15:55	107 ANB B280 MRE	
EE/APh 180	3-0-3	Nanotechnology	01	Scherer, A	TR 14:30 - 15:55	105 ANB	
EE 291	+	Advanced Work in Electrical Engineering	01 02 03 04 05 06	Hoffmann, M Yang, C Bruck, J Burdick, J Meister, M Doyle, J	A A A A A A	A A A A A A	P P P P P P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	07	Effros, M	A	A	P
			08	Psaltis, D	A	A	P
			09	Gharib, M	A	A	P
			10	Martin, A	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hallinan, G	A	A	P
			13	Low, S	A	A	P
			14	McEliece, R	A	A	P
			15	Hassibi, B	A	A	P
			16	Murray, R	A	A	P
			17	Perona, P	A	A	P
			18	Vaidyanathan, P	A	A	P
			19	Psaltis, D	A	A	P
			20	Tai, Y	A	A	P
			21	Yariv, A	A	A	P
			22	Quartz, S	A	A	P
			23	Rutledge, D	A	A	P
			24	Roukes, M	A	A	P
			25	Scherer, A	A	A	P
			26	Avouac, J	A	A	P
			27	Vahala, K	A	A	P
			28	Zmuidzinas, J	A	A	P
			29	Atwater, H	A	A	P
			30	Kimble, H	A	A	P
			31	Heath, J	A	A	P
			32	Weinreb, S	A	A	P
			33	Emami, A	A	A	P
			34	George, G	A	A	P
			35	Abu-Mostafa, Y	A	A	P
			36	Painter, O	A	A	P
			37	Gharib, M	A	A	P
			38	Choo, H	A	A	P
			39	Cvitanić, J	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	40	Faraon, A	A	A	P
			41	Pellegrino, S	A	A	P
			42	Chandrasekaran, V	A	A	P
			43	Minnich, A	A	A	P
			44	Rees, D	A	A	P
			45	Kostina, V	A	A	P
ENERGY SCIENCE AND TECHNOLOGY							
EST/EE/ME 109	3-0-6	Energy Technology and Policy <i>class cancelled</i>	01	Staff	A	A	
ENGINEERING							
E 002	1-0-0	Frontiers in Engineering and Applied Science <i>maximum enrollment: 85 students</i>	01	Ravichandran, G	W 12:00 - 12:55	105 ANB	P
E 010	1-0-2	Technical Seminar Presentations <i>Maximum enrollment: 6 students per section</i>	01	Fender, A	OM,T 19:00 - 19:55 M 09:00 - 09:55	142 KCK	G
			02	Fender, A	OM,T 19:00 - 19:55 M 10:00 - 10:55	142 KCK	G
			03	Fender, A	OM,T 19:00 - 19:55 M 11:00 - 11:55	142 KCK	G
			04	Fender, A	W 09:00 - 09:55 OM,T 19:00 - 19:55	142 KCK	G
			05	Fender, A	OM,T 19:00 - 19:55 W 10:00 - 10:55	142 KCK	G
			06	Fender, A	OM,T 19:00 - 19:55 W 11:00 - 11:55	142 KCK	G
			07	Fender, A	OM,T 19:00 - 19:55 F 09:00 - 09:55	142 KCK	G
			08	Fender, A	OM,T 19:00 - 19:55 F 10:00 - 10:55	142 KCK	G
			09	Fender, A	OM,T 19:00 - 19:55 F 11:00 - 11:55	142 KCK	G

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ENGINEERING							
E 102B	3-0-6	Entrepreneurial Development <i>course cancelled</i>	01	Staff	A	A	
ChE/Ch/E/Bi 107	3-0-6	Social Media for Scientists <i>class closed to undergraduates at this time - open to graduate students only // maximum enrollment 30 students</i>	01	Davis, M	MWF 15:00 - 15:55	106 SPL	
E 110	1-0-1	Principles of University Teaching and Learning in STEM	01	Horii, C	T 09:30 - 10:25	359 CSS	P
ENGLISH							
Hum/En 020	3-0-6	Greek Drama and Epic <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Pigman, G	TR 14:30 - 15:55	TR DAB	
Hum/En 023	3-0-6	Literature and Medicine <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Gilmore, D	W 13:00 - 15:55	117 DAB	
Hum/En 025	3-0-6	The Rhetoric of Superiority <i>attendance at first class is required // maximum enrollment: 17 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Saltzman, B	TR 09:00 - 10:25	117 DAB	
Hum/En 026	3-0-6	Strangers, Foreigners, and Others: Encountering Difference in Literature <i>attendance at first class is required // maximum enrollment: 17 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Klement, L	TR 13:00 - 14:25	228 BAX	
En 098	+	Reading in English <i>Instructor permission required prior to</i>	01	Staff	A	A	P

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ENGLISH							
En 099A	1-0-8	Senior Tutorial for English Majors	01	Gilmartin, K	A	A	G
		<i>Instructor permission required prior to registering</i>	02	Saltzman, B	A	A	G
			03	Jahner, J	A	A	G
En 108	3-0-6	Witnessing Evil in Early Medieval Literature <i>maximum enrollment: 17 students</i>	01	Saltzman, B	TR 13:00 - 14:25	117 DAB	G
En 113A	3-0-6	Shakespeare's Career <i>maximum enrollment: 18 students</i>	01	Pigman, G	TR 13:00 - 14:25	TR DAB	G
En 119	3-0-6	Displacement <i>maximum enrollment: 20 students</i>	01	Haugen, K	W 19:00 - 21:55	TR DAB	G
En 123	3-0-6	The 19th-Century English Novel <i>maximum enrollment: 18 students</i>	01	Gilmore, D	TR 14:30 - 15:55	115 BCK	G
En/F 160A	3-0-6	Classical Hollywood Cinema <i>open by lottery only; see link on the REGIS home page to enter by May 18th // maximum enrollment: 20 students</i>	01	Jurca, C	TR 13:00 - 14:25	125 BAX	
ENGLISH AS A SECOND LANGUAGE							
ESL101A	3-0-0	Oral Communication and Pronunciation	01	Geasland, J	MW 17:00 - 18:25	125 BAX	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Thompson, A	A	A	P
ESE100	+	Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i>	01	Adkins, J	A	A	P
			02	Flagan, R	A	A	P
			03	Hoffmann, M	A	A	P
			04	Schneider, T	A	A	P
			05	Seinfeld, J	A	A	P
			06	Sessions, A	A	A	P
			07	Wennberg, P	A	A	P
			08	Thompson, A	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE101	3-0-6	Earth's Atmosphere	01	Schneider, T	TR 13:00 - 14:25	162 SMD	
ESE103	3-0-6	Earth's Biogeochemical Cycles	01	Frankenberg, C	MWF 15:00 - 15:55	135 L+R	
ESE104	1-0-0	Current Problems in Environmental Science and Engineering	01	Thompson, A	R 12:00 - 12:55	162 SMD	P
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
ESE110A	1-0-0	Seminar in Environmental Science and Engineering	01	Adkins, J	W 16:00 - 16:55	365 SMD	P
Ge/ESE 118	3-0-6	Methods in Data Analysis	01	Tsai, V	TR 10:30 - 11:55	162 SMD	
ESE135	2-0-4	Topics in Atmosphere and Ocean Dynamics	01	Bordoni, S	T 15:00 - 15:55	136 L+R	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
Ge/ESE 143	3-2-4	Organic Geochemistry	01	Sessions, A	MWF 11:00 - 11:55	215 NMD	
ESE/Bi 166	3-1-5	Microbial Physiology	01	Leadbetter, J	MWF 10:00 - 10:55	162 SMD	
ESE300	+	Thesis Research	01	Sessions, A	A	A	P
			02	Ingersoll, A	A	A	P
			03	Hering, J	A	A	P
			04	Hoffmann, M	A	A	P
			05	Bordoni, S	A	A	P
			06	Adkins, J	A	A	P
			08	Leadbetter, J	A	A	P
			09	Seinfeld, J	A	A	P
			10	Wennberg, P	A	A	P
			11	Yung, Y	A	A	P
			12	Schneider, T	A	A	P
			13	Eiler, J	A	A	P
			14	Orphan, V	A	A	P
			15	Okumura, M	A	A	P
			16	Ponce, A	A	A	P
			17	Thompson, A	A	A	P
			18	Flagan, R	A	A	P
			19	Frankenberg, C	A	A	P
FILM							
L/F 109	3-0-6	Introduction to French Cinema from Its Beginning to the Present <i>maximum enrollment: 15 students</i>	01	Orcel, C	M 19:00 - 20:25 R 21:00 - 22:25	115 DAB 115 DAB	
En/F 160A	3-0-6	Classical Hollywood Cinema <i>open by lottery only; see link on the REGIS home page to enter by May 18th // maximum enrollment: 20 students</i>	01	Jurca, C	TR 13:00 - 14:25	125 BAX	
FRESHMAN SEMINARS							

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FRESHMAN SEMINARS							
FS/Ph 009	2-0-4	Freshman Seminar: The Science of Music <i>Maximum enrollment: 11 students</i>	01	Politzer, H	MF 13:00 - 13:55	248 LAU	P
FS/Ph 011A	2-0-4	Freshman Seminar: Research Tutorial	01	Phillips, R	A	201 SLN	P
FS/Bi 013	2-0-4	Freshman Seminar: In Search of Memory <i>Maximum enrollment: 10 students</i>	01	Pine, J	M 14:00 - 15:55	248 LAU	P
FS/Ge 016	2-0-4	Freshman Seminar: Earthquakes <i>Field Trip Dates: TBA</i>	01	Stock, J	T 14:00 - 15:55	215 NMD	P
GEOLOGY							
Ge 011A	3-3-3	Introduction to Earth and Planetary Sciences: Earth as a Planet <i>Field Trip Dates: TBA // taught concurrently with Ge 101</i>	01	Farley, K	TR 13:00 - 14:25	251 ARM	
FS/Ge 016	2-0-4	Freshman Seminar: Earthquakes <i>Field Trip Dates: TBA</i>	01	Stock, J	T 14:00 - 15:55	215 NMD	P
Ge 040	+	Special Problems for Undergraduates	01	Avouac, J	A	A	P
			02	Kirschvink, J	A	A	P
			03	Stock, J	A	A	P
			04	Lamb, M	A	A	P
			05	Adkins, J	A	A	P
			06	Jackson, J	A	A	P
			07	Ingersoll, A	A	A	P
			08	Sessions, A	A	A	P
Ge 041A	+	Undergraduate Research and Bachelor's Thesis	01	Orphan, V	A	A	P
			02	Saleeby, J	A	A	P
			03	Asimow, P	A	A	P
			04	Orphan, V	A	A	P
			05	Saleeby, J	A	A	P
			06	Stolper, E	A	A	P
			07	Brown, M	A	A	P

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GEOLOGY							
Ge 041A	+	Undergraduate Research and Bachelor's Thesis	08	Grotzinger, J	A	A	P
			09	Stock, J	A	A	P
			10	Fischer, W	A	A	P
			11	Rossman, G	A	A	P
			12	Sessions, A	A	A	P
Ge 101	3-0-6	Introduction to Geology and Geochemistry <i>Field Trip: TBA // taught concurrently with Ge 011A</i>	01	Farley, K	TR 13:00 - 14:25	251 ARM	
Ge 108	3-0-6	Applications of Physics to the Earth Sciences <i>class cancelled</i>	01	Staff	A	A	
Ge 114A	3-4-2	Mineralogy	01	Rossman, G	MTR 15:00 - 15:55 TR 16:00 - 17:55	251 ARM 251 ARM	
Ge 114B	0-2-1	Mineralogy Laboratory	01	Rossman, G	W 15:00 - 16:55	267 ARM	
Ge/ESE 118	3-0-6	Methods in Data Analysis	01	Tsai, V	TR 10:30 - 11:55	162 SMD	
Ge 121A	0-9-3	Advanced Field Geology <i>Field Trip Dates: TBA</i>	01	Avouac, J	OM,M 09:30 - 09:55	215 NMD	
Ge 122A	1-3-2	Field Geology Seminar <i>Field trip dates: TBA</i>	01	Stock, J	W 09:00 - 09:55	215 NMD	P
Ge 125	3-5-4	Geomorphology	01	Lamb, M	MWF 11:00 - 11:55	267 ARM	
Ge/Ay 132	3-0-6	Atomic and Molecular Processes in Astronomy and Planetary Sciences	01	Blake, G	TR 09:00 - 10:25	176 SMD	
Ge/Ay 133	3-0-6	The Formation and Evolution of Planetary Systems	01	Knutson, H / Batygin, K	MWF 13:00 - 13:55	162 SMD	
Ge 136A	1-0-2	Regional Field Geology of the Southwestern United States <i>Field Trip Dates: TBA</i>	01	Kirschvink, J	M 09:30 - 09:55	251 ARM	P

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GEOLOGY							
Ge/ESE 143	3-2-4	Organic Geochemistry	01	Sessions, A	MWF 11:00 - 11:55	215 NMD	
Ge 151	3-3-3	Planetary Surfaces <i>Field Trip Dates: TBA</i>	01	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	
Ge 161	3-0-6	Plate Tectonics	01	Stock, J	TR 10:30 - 11:55	215 NMD	
Ge 194	1-0-2	Special Topics in the Planetary Sciences: Icy Satellites and Dwarf Planets	01	Ingersoll, A	F 14:00 - 14:55	162 SMD	
Ge 197	3-0-6	Special Topics in Geobiology: Concepts and Application of Aquatic Geochemistry in Geomicrobiology	01	Kappler, A	TR 09:00 - 10:25	135 L+R	
Ge 215	4-0-8	Topics in Advanced Petrology	01	Asimow, P	MWF 10:00 - 10:55	251 ARM	
Ge 232	3-0-6	Chemistry of the Solar System	01	Burnett, D	M 15:00 - 15:55	215 NMD	
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Wennberg, P	A	A	P
			03	Clayton, R	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Stock, J	A	A	P
			07	Eiler, J	A	A	P
			08	Farley, K	A	A	P
			09	Jackson, J	A	A	P
			10	Bordoni, S	A	A	P
			11	Gurnis, M	A	A	P
			12	Grotzinger, J	A	A	P
			13	Helmberger, D	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	14	Rossmann, G	A	A	P
			15	Schneider, T	A	A	P
			16	Kirschvink, J	A	A	P
			17	Kulkarni, S	A	A	P
			18	Ingersoll, A	A	A	P
			19	Brown, M	A	A	P
			20	Ehlmann, B	A	A	P
			21	Zhan, Z	A	A	P
			22	Leadbetter, J	A	A	P
			24	Saleeby, J	A	A	P
			26	Simons, M	A	A	P
			27	Stevenson, D	A	A	P
			29	Stolper, E	A	A	P
			30	Lamb, M	A	A	P
			31	Fischer, W	A	A	P
			35	Orphan, V	A	A	P
			36	Yung, Y	A	A	P
			37	Avouac, J	A	A	P
			38	Lapusta, N	A	A	P
			39	Aharonson, O	A	A	P
			40	Wernicke, B	A	A	P
			41	Newman, D	A	A	P
			42	Sessions, A	A	A	P
			43	Ampuero Saenz, J	A	A	P
44	Tsai, V	A	A	P			
45	Knutson, H	A	A	P			
46	Ampuero Saenz, J	A	A	P			
47	Batygin, K	A	A	P			
48	Zhan, Z	A	A	P			
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Ehlmann, B	A	A	P
			03	Heaton, T	A	A	P
			04	Asimow, P	A	A	P

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GEOLOGY							
Ge 299	+	Thesis Research	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	Grotzinger, J	A	A	P
			10	Gurnis, M	A	A	P
			11	Burnett, D	A	A	P
			12	Helmberger, D	A	A	P
			13	Ingersoll, A	A	A	P
			14	Jackson, J	A	A	P
			15	Simons, M	A	A	P
			16	Avouac, J	A	A	P
			17	Newman, D	A	A	P
			18	Ampuero Saenz, J	A	A	P
			19	Lapusta, N	A	A	P
			20	Rossman, G	A	A	P
			21	Fischer, W	A	A	P
			22	Saleeby, J	A	A	P
			23	Farley, K	A	A	P
			24	Sessions, A	A	A	P
			25	Stevenson, D	A	A	P
			26	Stock, J	A	A	P
			27	Stolper, E	A	A	P
			28	Lamb, M	A	A	P
			29	Knutson, H	A	A	P
			30	Kulkarni, S	A	A	P
			32	Wernicke, B	A	A	P
			34	Yung, Y	A	A	P
			35	Batygin, K	A	A	P
			36	Kirschvink, J	A	A	P
			37	Orphan, V	A	A	P
			38	Schneider, T	A	A	P
			40	Tsai, V	A	A	P

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HISTORY							
Hum/H 001	3-0-6	American History <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start // Frosh Hum course</i>	01	Kousser, J	TR 14:30 - 15:55	128 BAX	G
			02	Kousser, J	T 19:30 - 21:25	128 BAX	G
					R 19:30 - 20:25	128 BAX	
Hum/H 005	3-0-6	The History of the Chinese Empire <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Dykstra, M	TR 14:30 - 15:55	115 DAB	
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Brown, W	TR 14:30 - 15:55	117 DAB	
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
H 099A	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01	Staff	A	A	
H 109	3-0-6	Medieval Knighthood <i>maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	TR DAB	
H 128	3-0-6	Sustainability and Conservation in the Early Modern World <i>maximum enrollment: 17 students</i>	01	Pluymers, K	TR 10:30 - 11:55	117 DAB	
H 138	3-0-6	From Sage Kings to the CCP: A Primer on Ruler, State and Empire in the History of Chinese Government <i>maximum enrollment: 15 students</i>	01	Dykstra, M	R 19:00 - 21:55	TR DAB	
HISTORY AND PHILOSOPHY OF SCIENCE							

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HISTORY AND PHILOSOPHY OF SCIENCE							
HPS098	+	Reading in History and Philosophy of Science <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
HPS102A	+	Senior Research Seminar <i>Instructor permission required prior to registering</i>	01	Kormos-Buchwald, D	A	A	P
HPS103	1-0-0	Public Lecture Series	01	Eberhardt, F	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>maximum enrollment: 18 students</i>	01	Eberhardt, F	TR 10:30 - 11:55	B133 BAX	
HPS/PI 122	3-0-6	Probability, Evidence, and Belief <i>maximum enrollment: 18 students</i>	01	Eberhardt, F	TR 13:00 - 14:25	B133 BAX	
PI/HPS 183	3-0-6	Bioethics <i>open by lottery only; see link on the REGIS home page to enter by May 18th // maximum enrollment: 17 students</i>	01	Cowie, F	W 19:00 - 21:55	128 BAX	
HUMANITIES							
Hum/H 001	3-0-6	American History <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start // Frosh Hum course</i>	01	Kousser, J	TR 14:30 - 15:55	128 BAX	G
			02	Kousser, J	T 19:30 - 21:25	128 BAX	G
					R 19:30 - 20:25	128 BAX	
Hum/H 005	3-0-6	The History of the Chinese Empire <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Dykstra, M	TR 14:30 - 15:55	115 DAB	
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Brown, W	TR 14:30 - 15:55	117 DAB	

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HUMANITIES							
Hum/En 020	3-0-6	Greek Drama and Epic <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Pigman, G	TR 14:30 - 15:55	TR DAB	
Hum/En 023	3-0-6	Literature and Medicine <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Gilmore, D	W 13:00 - 15:55	117 DAB	
Hum/En 025	3-0-6	The Rhetoric of Superiority <i>attendance at first class is required // maximum enrollment: 17 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Saltzman, B	TR 09:00 - 10:25	117 DAB	
Hum/En 026	3-0-6	Strangers, Foreigners, and Others: Encountering Difference in Literature <i>attendance at first class is required // maximum enrollment: 17 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Klement, L	TR 13:00 - 14:25	228 BAX	
Hum/PI 040	3-0-6	Right and Wrong <i>attendance at first class is required // maximum enrollment: 17 students per section // class closed to continuing students until term start // Frosh Hum course</i>	01 02	Quartz, S Quartz, S	TR 13:00 - 14:25 TR 14:30 - 15:55	127 BAX 127 BAX	
Hum/PI 043	3-0-6	Environmental Ethics <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Quinn, A	R 19:00 - 21:55	117 DAB	
Hum114A	3-0-6	Spanish and Latin American Literature	01	Garcia, D	MR 19:00 - 20:25	127 BAX	

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LANGUAGES							
L 102A	3-0-6	Elementary French	01	Orcel, C	MTW 12:00 - 12:55	128 BAX	
L 103A	3-0-6	Intermediate French <i>maximum enrollment: 15 students</i>	01	Merrill, T	MTR 16:00 - 16:55	117 DAB	
L 106A	5-0-4	Elementary Japanese <i>Taught by Dr. Hirai</i>	01 02	Toner, R Toner, R	MTWR 15:00 - 15:55 MTWR 16:00 - 16:55	228 BAX 228 BAX	
L 107A	5-1-4	Intermediate Japanese <i>Maximum Enrollment: 20 students</i>	01	Sumitomo, M	MW 16:00 - 17:25	B133 BAX	G
L 108A	3-1-6	Advanced Japanese <i>Maximum Enrollment: 20 students</i>	01	Hirata, K	MWF 11:00 - 11:55	117 DAB	G
L/F 109	3-0-6	Introduction to French Cinema from Its Beginning to the Present <i>maximum enrollment: 15 students</i>	01	Orcel, C	M 19:00 - 20:25 R 21:00 - 22:25	115 DAB 115 DAB	
L 110A	3-0-6	Elementary Spanish <i>sec 2: maximum enrollment of 20 students</i>	01 02	Garcia, D Arjona, G	MWR 12:00 - 12:55 TR 19:00 - 20:25	117 DAB 125 BAX	
L 112A	3-0-6	Intermediate Spanish	01	Arjona, G	TR 16:30 - 17:55	125 BAX	
L 114A	3-0-6	Spanish and Latin American Literature <i>Maximum enrollment: 20 students</i>	01	Garcia, D	MR 19:00 - 20:25	127 BAX	
L 130A	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	115 DAB	
L 132A	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	115 DAB	
L 170A	4-1-5	Introduction to Chinese	01	Wang, X	TWR 12:00 - 12:55	125 BAX	
L 171A	5-0-4	Elementary Chinese <i>maximum enrollment: 25 students</i>	01	Ming, F	TW 19:00 - 20:25	117 DAB	
L 172A	4-1-5	Intermediate Chinese	01	Wang, X	TR 19:00 - 20:25	115 DAB	

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LANGUAGES							
L 173A	3-1-6	Advanced Chinese <i>maximum enrollment: 25 students</i>	01	Ming, F	TW 20:30 - 21:55	117 DAB	
MATERIALS SCIENCE							
MS 078A	+	Senior Thesis	01	Johnson, W	A	A	P
			02	Haile, S	A	A	P
			03	Greer, J	A	A	P
			04	Snyder, G	A	A	P
			05	Goddard, W	A	A	P
			06	Gharib, M	A	A	P
			07	Ravichandran, G	A	A	P
			08	Minnich, A	A	A	P
MS 100	+	Advanced Work in Materials Science	01	Fultz, B	A	A	P
			02	Lewis, N	A	A	P
			03	Snyder, G	A	A	P
			04	Davis, M	A	A	P
APh/MS 105A	3-0-6	States of Matter	01	Johnson, W	MW 13:00 - 14:25	104 WAT	G
MS 110A	1-0-0	Materials Research Lectures	01	Minnich, A	W 16:00 - 16:55	135 GTL	P
MS 115	3-0-6	Fundamentals of Materials Science	01	Faber, K	MWF 09:00 - 09:55	135 GTL	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure	01	Garland, C	OM,T 13:00 - 13:55	042 KCK	
MS 131	3-0-6	Structure and Bonding in Materials	01	Bernardi, M	TR 14:30 - 15:55	104 WAT	
MS 200	+	Advanced Work in Materials Science	01	Ahn, C	A	A	P
			02	Atwater, H	A	A	P
			03	Greer, J	A	A	P
			04	Fultz, B	A	A	P
			05	Goddard, W	A	A	P

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MATERIALS SCIENCE							
MS 200	+	Advanced Work in Materials Science	06	Haile, S	A	A	P
			07	Johnson, W	A	A	P
			09	Heath, J	A	A	P
			10	Snyder, G	A	A	P
			11	Daraio, C	A	A	P
			12	Haile, S	A	A	P
			13	Ortiz, M	A	A	P
			14	Roukes, M	A	A	P
			15	Lewis, N	A	A	P
			16	Minnich, A	A	A	P
			17	Bhattacharya, K	A	A	P
			18	Bhattacharya, K	A	A	P
			19	Faber, K	A	A	P
			20	Kochmann, D	A	A	P
			21	Bernardi, M	A	A	P
MS 300	+	Thesis Research	01	Atwater, H	A	A	P
			02	Rees, D	A	A	P
			03	Rosakis, A	A	A	P
			04	Fultz, B	A	A	P
			05	Goddard, W	A	A	P
			06	Haile, S	A	A	P
			07	Johnson, W	A	A	P
			08	Greer, J	A	A	P
			09	Ortiz, M	A	A	P
			10	Heath, J	A	A	P
			11	Snyder, G	A	A	P
			12	Cross, M	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Minnich, A	A	A	P
						16	Faber, K
MATHEMATICS							

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MATHEMATICS							
Ma 001A	4-0-5	Calculus of One and Several Variables and Linear Algebra	01	Fathizadeh, F	MTWF 10:00 - 10:55 R 19:30 - 20:55	151 SLN 151 SLN	P
			02	Katz, N	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 151 SLN	P
			03	Katz, N	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 153 SLN	P
			04	Katz, N	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 153 SLN	P
			05	Katz, N	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 151 SLN	P
			06	Katz, N	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 153 SLN	P
			07	Katz, N	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 257 SLN	P
			08	Katz, N	MWF 10:00 - 10:55 R 14:00 - 14:55	Lecture Hall BAX 257 SLN	P
			09	Katz, N	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX B111 DWN	P
			10	Katz, N	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 103 DWN	P
			11	Katz, N	MWF 10:00 - 10:55 R 14:00 - 14:55	Lecture Hall BAX 103 DWN	P
Ma 002	4-0-5	Differential Equations <i>taught concurrently with Ma 102</i>	01	Zhou, G	MWF 10:00 - 10:55 R 09:00 - 09:55	B122 GCL 257 SLN	G
			02	Zhou, G	MWF 10:00 - 10:55 R 09:00 - 09:55	B122 GCL 159 SLN	G
			03	Zhou, G	MWF 10:00 - 10:55 R 10:00 - 10:55	B122 GCL 257 SLN	G
			04	Zhou, G	MWF 10:00 - 10:55 R 10:00 - 10:55	B122 GCL 142 KCK	G
			05	Zhou, G	MWF 10:00 - 10:55 R 10:00 - 10:55	B122 GCL B111 DWN	G
			06	Zhou, G	MWF 10:00 - 10:55	B122 GCL	G

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MATHEMATICS								
Ma 002	4-0-5	Differential Equations <i>taught concurrently with Ma 102</i>	06	Zhou, G	R 13:00 - 13:55	B111 DWN	G	
			07	Zhou, G	MWF 10:00 - 10:55	B122 GCL	G	
			08	Zhou, G	R 13:00 - 13:55	B127 GCL		
					MWF 10:00 - 10:55	B122 GCL	G	
			09	Zhou, G	R 14:00 - 14:55	153 SLN		
					MWF 10:00 - 10:55	B122 GCL	G	
			10	Zhou, G	R 09:00 - 09:55	103 DWN		
MWF 10:00 - 10:55	B122 GCL	G						
11	Zhou, G	R 10:00 - 10:55	119 DWN					
		MWF 10:00 - 10:55	B122 GCL	G				
						R 13:00 - 13:55	103 DWN	
Ma 005A	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105a</i>	01	Yom Din, A	MWF 09:00 - 09:55	151 SLN		
Ma/CS 006A	3-0-6	Introduction to Discrete Mathematics	01	Sheffer, A	MWF 13:00 - 13:55	201 BRG		
Ma 008	3-0-0	Problem Solving in Calculus	01	Mantovan, E	TR 19:30 - 20:55	269 LAU		
Ma 010	2-0-1	Oral Presentation	01	Katz, N	T 14:00 - 15:55	257 SLN	P	
Ma 017	2-0-2	How to Solve It	01	Mantovan, E	T 19:00 - 20:55	159 SLN	P	
Ma 020	1-0-0	Frontiers in Mathematics	01	Katz, N	T 12:00 - 12:55	151 SLN	P	
Ma 092A	+	Senior Thesis	01	Flach, M	A	A	P	
Ma 098	+	Independent Reading	01	Sheffer, A	A	A	P	
Ma 102	4-0-5	Differential Equations <i>taught concurrently with Ma 2</i>	01	Zhou, G	MWF 10:00 - 10:55	B122 GCL	G	

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MATHEMATICS							
Ma 105A	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5a</i>	01	Yom Din, A	MWF 09:00 - 09:55	151 SLN	
Ma 108A	3-0-6	Classical Analysis	01	Demirel-Frank, S	MWF 11:00 - 11:55	151 SLN	
Ma 109A	3-0-6	Introduction to Geometry and Topology	01	Markovic, V	MWF 10:00 - 10:55	159 SLN	
Ma 110A	3-0-6	Analysis	01	Makarov, N	MWF 11:00 - 11:55	159 SLN	
Ma 111A	3-0-6	Topics in Analysis	01	Schimmer, L	TR 10:30 - 11:55	115 BCK	P
Ma/CS 117A	3-0-6	Computability Theory	01	Kechris, A	TR 13:00 - 14:25	151 SLN	
Ma 120A	3-0-6	Abstract Algebra	01	Graber, T	MWF 09:00 - 09:55	159 SLN	
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G
Ma 130A	3-0-6	Algebraic Geometry	01	Solis, P	MWF 15:00 - 15:55	153 SLN	
Ma/ACM 144A	3-0-6	Probability	01	Tamuz, O	MWF 13:00 - 13:55	257 SLN	
Ma 147A	3-0-6	Dynamical Systems	01	Makarov, N	MWF 14:00 - 14:55	153 SLN	
Ma 151A	3-0-6	Algebraic and Differential Topology	01	Markovic, V	MWF 13:00 - 13:55	159 SLN	
Ma 157A	3-0-6	Riemannian Geometry	01	Zhang, T	MWF 10:00 - 10:55	153 SLN	
Ma 160A	3-0-6	Number Theory	01	Flach, M	MWF 14:00 - 14:55	151 SLN	

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MATHEMATICS							
Ma 191A	3-0-6	Selected Topics in Mathematics <i>Section 1: Introduction to Knot Theory (P/F only) / Section 2: Topics in Functional Analysis (P/F only) / Section 3: cancelled</i>	01	Ni, Y	TR 10:30 - 11:55	159 SLN	P
			02	Frank, R	TR 14:30 - 15:55	159 SLN	P
			03	Staff	A	A	P
Ma 290	+	Reading	01	Flach, M	A	A	P
			02	Frank, R	A	A	P
			03	Graber, T	A	A	P
			04	Katz, N	A	A	P
			05	Kechris, A	A	A	P
			06	Makarov, N	A	A	P
			07	Mantovan, E	A	A	P
			08	Marcolli, M	A	A	P
			09	Markovic, V	A	A	P
			10	Ni, Y	A	A	P
			11	Rains, E	A	A	P
			12	Ramakrishnan, D	A	A	P
			13	Zhu, X	A	A	P
			14	Tamuz, O	A	A	P
Ma 390	+	Research	01	Flach, M	A	A	P
			02	Frank, R	A	A	P
			03	Graber, T	A	A	P
			04	Katz, N	A	A	P
			05	Kechris, A	A	A	P
			06	Makarov, N	A	A	P
			07	Mantovan, E	A	A	P
			08	Marcolli, M	A	A	P
			09	Markovic, V	A	A	P
			10	Ni, Y	A	A	P
			11	Rains, E	A	A	P
			12	Ramakrishnan, D	A	A	P
			13	Desbrun, M	A	A	P
			14	Preskill, J	A	A	P
			15	Gukov, S	A	A	P

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MATHEMATICS							
Ma 390	+	Research	16	Zhu, X	A	A	P
			17	Tamuz, O	A	A	P
MECHANICAL ENGINEERING							
ME 011A	3-0-6	Thermal Science	01	Hunt, M	MWF 14:00 - 14:55	135 GTL	G
ME 012A	3-0-6	Mechanics	01	Mello, M	TR 13:00 - 14:25	135 GTL	G
ME 013	0-4-0	Introduction to Mechanical Prototyping <i>Maximum enrollment: 25 students between ME 13 and 130. // Students must submit a questionnaire available at the Registrar's Office by June 1st.</i>	01	Van Deusen, J	OM,T 18:00 - 19:55	024 SPL	P
ME 050A	0-6-3	Experiments and Modeling in Mechanical Engineering <i>class cancelled - to be offered winter term</i>	01	Staff	A	A	
ME 072A	3-4-2	Engineering Design Laboratory	01	Mello, M / Van Deusen, J	TR 15:00 - 16:25	135 GTL	G
ME 090A	0-0-9	Senior Thesis, Experimental	01	Blanquart, G	A	A	G
ME 100	+	Independent Studies in Mechanical Engineering	01	Hunt, M	A	A	P
			02	Shepherd, J	A	A	P
			03	Colonus, T	A	A	P
			04	Scherer, A	A	A	P
			05	Burdick, J	A	A	P
			06	Minnich, A	A	A	P
			07	Rutledge, D	A	A	P
			08	Pickar, K	A	A	P
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G

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MECHANICAL ENGINEERING							
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
EST/EE/ME 109	3-0-6	Energy Technology and Policy <i>class cancelled</i>	01	Staff	A	A	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Staff	A	A	P
ME 117	3-0-6	Nano-to-Macro Transport Processes	01	Minnich, A	MWF 14:00 - 14:55	115 GTL	
ME 130	0-4-0	Introduction to Mechanical Prototyping <i>Maximum enrollment: 25 students between ME 13 and 130. // Students must submit a questionnaire available in the Registrar's Office by June 1st.</i>	01	Van Deusen, J	OM,T 18:00 - 19:55	024 SPL	P
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
ME 201	3-0-6	Advanced Topics in Mechanical Engineering: Signal Processing, Coherent Structures, and Reduced-Order Modeling in Fluid Mechanics <i>class cancelled</i>	01	Staff	A	A	
Ae/AM/CE/ME 214A	3-0-6	Computational Solid Mechanics <i>see course syllabus link for updated course description</i>	01	Kochmann, D	TR 14:30 - 15:55	133 GUG	
Ae/AM/ME 225	3-0-6	Special Topics in Solid Mechanics: Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	TR 16:00 - 17:25	115 GTL	

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MECHANICAL ENGINEERING							
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Colonus, T	MWF 09:00 - 09:55	115 GTL	
ME 300	+	Research in Mechanical Engineering	01	Andrade, J	A	A	P
			02	Bellan, P	A	A	P
			03	Bhattacharya, K	A	A	P
			04	Daraio, C	A	A	P
			05	Burdick, J	A	A	P
			06	Colonus, T	A	A	P
			07	Hunt, M	A	A	P
			08	Murray, R	A	A	P
			09	Ortiz, M	A	A	P
			11	Ravichandran, G	A	A	P
			12	Shepherd, J	A	A	P
			13	Fultz, B	A	A	P
			14	Greer, J	A	A	P
			15	van de Walle, A	A	A	P
			16	Adkins, J	A	A	P
			18	Lapusta, N	A	A	P
			19	Gharib, M	A	A	P
			20	Brady, J	A	A	P
			22	Trojan, S	A	A	P
			23	Scherer, A	A	A	P
			24	Asimaki, D	A	A	P
			25	Haile, S	A	A	P
			26	Atwater, H	A	A	P
			27	Blanquart, G	A	A	P
			28	McKeon, B	A	A	P
			29	Hoffmann, M	A	A	P
			30	Kochmann, D	A	A	P
			31	Minnich, A	A	A	P
MEDICAL ENGINEERING							

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MEDICAL ENGINEERING							
MedE 099	+	Undergraduate Research in Medical Engineering	01	Staff	A	A	P
MedE 100A	1-0-0	Medical Engineering Seminar	01	Choo, H	R 16:00 - 16:55	105 ANB	P
MedE 101	3-0-6	Introduction to Clinical Physiology and Pathophysiology for Engineers	01	Petrasek, D	TR 14:30 - 15:55	100 - Rock Auditorium BRD	P
EE/MedE 124	3-0-6	Mixed-mode Integrated Circuits <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	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	Colonius, T	A	A	P
			15	Grubbs, R	A	A	P
			16	Ismagilov, R	A	A	P
			17	Shapiro, M	A	A	P
MUSIC							
Mu 057	3-0-6	Fundamentals of Music Theory and Elementary Ear Training <i>maximum enrollment: 20 students</i>	01	Neenan, T	MW 11:00 - 12:25	B119 BAX	
Mu 140	3-0-6	The Great Orchestras: Their History, Repertoire, and Conductors <i>maximum enrollment: 20 students</i>	01	Neenan, T	MW 14:30 - 15:55	B119 BAX	

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NEUROBIOLOGY							
Bi/CNS/NB 153	3-0-6	Brain Circuits	01	Meister, M	WF 10:30 - 11:55	B101 BBB	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	B101 BBB	
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Perona, P	TR 10:30 - 11:55	B280 MRE	
Bi/CNS/NB 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	F 14:00 - 15:55	200 BRD	G
PERFORMANCE AND ACTIVITIES							
PA 016A	0-3-0	Cooking Basics <i>Maximum enrollment: 16 students//Location: 400 S. Hill</i>	01	Staff	T 18:30 - 21:25	A	P
PA 030A	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	Library AVE	P
			02	Elgart, M	T 15:30 - 16:25	Library AVE	P
			03	Elgart, M	T 17:30 - 18:25	Library AVE	P
PA 031A	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
PA 032A	0-3-0	Symphony Orchestra	01	Gross, A	T 19:30 - 22:15	Ramo Auditorium BAX	P
PA 033A	0-3-0	Concert Band	01	Price, G	R 19:15 - 21:25	Ramo Auditorium BAX	P
PA 034A	0-3-0	Jazz Band	01	Catlin, B	M 19:15 - 21:00	Ramo Auditorium BAX Ramo Auditorium BAX	P
					M 21:15 - 22:45		
PA 035A	0-3-0	Glee Club	01	Sulahian, N	M 19:30 - 21:25	Basement BCK Basement BCK	P
					W 17:00 - 17:55		
PA 037A	0-3-0	Chamber Singers	01	Sulahian, N	W 18:00 - 18:55	Basement BCK	P

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PERFORMANCE AND ACTIVITIES							
PA 040A	2-0-1	Theater Arts <i>Storytelling for Scientists</i>	01	Brophy, B	OM,W 19:30 - 20:25	Ramo Auditorium BAX	P
PA 061A	0-3-0	Silkscreen and Silk Painting	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PA 062A	0-3-0	Drawing and Painting	01	Barry, J	T 19:00 - 21:55	Garage TCT	P
PA 063A	0-3-0	Ceramics	01	Freed, S	W 19:00 - 21:55	Ceramic Room POLY	P
PHILOSOPHY							
Hum/PI 040	3-0-6	Right and Wrong <i>attendance at first class is required // maximum enrollment: 17 students per section // class closed to continuing students until term start // Frosh Hum course</i>	01 02	Quartz, S Quartz, S	TR 13:00 - 14:25 TR 14:30 - 15:55	127 BAX 127 BAX	
Hum/PI 043	3-0-6	Environmental Ethics <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // Frosh Hum course</i>	01	Quinn, A	R 19:00 - 21:55	117 DAB	
PI 090A	1-0-8	Senior Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	G
PI 098	+	Reading in Philosophy <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>maximum enrollment: 18 students</i>	01	Eberhardt, F	TR 10:30 - 11:55	B133 BAX	
HPS/PI 122	3-0-6	Probability, Evidence, and Belief <i>maximum enrollment: 18 students</i>	01	Eberhardt, F	TR 13:00 - 14:25	B133 BAX	

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PHILOSOPHY							
PI/HPS 183	3-0-6	Bioethics <i>open by lottery only; see link on the REGIS home page to enter by May 18th // maximum enrollment: 17 students</i>	01	Cowie, F	W 19:00 - 21:55	128 BAX	
PHYSICAL EDUCATION							
PE 001	3-0-0	Student Designed Fitness <i>maximum enrollment: 15 students</i>	01	Carter, J	MW 13:00 - 13:55	BRW	P
PE 003	3-0-0	Hiking <i>maximum enrollment: 10 students</i>	01	Murray, P / Raphelson, B	F 11:00 - 14:55	BRW	P
PE 006	3-0-0	Core Training, Beginning/Intermediate <i>maximum enrollment: 15 students</i>	01	Bonafede, J / Gamble, M	TR 10:30 - 11:55	MPR BAC	P
PE 008	3-0-0	Fitness Training, Beginning <i>maximum enrollment: 15 students</i>	01	Morgan, H	MWF 13:00 - 13:55	BAC	P
PE 009	3-0-0	Soccer <i>course cancelled</i>	01	Staff	A	A	P
PE 010	3-0-0	Aerobic Dance <i>Zumba // maximum enrollment: 20 students</i>	01	Waterman, D	MW 19:00 - 20:25	MPR BAC	P
PE 024	3-0-0	Yoga, Beginning <i>maximum enrollment: 20 students</i>	01	Flynn, K / Alvarado-Orozco, J	TR 20:00 - 21:25	MPR BAC	P
PE 031	3-0-0	Indoor/Outdoor Cycling <i>class cancelled</i>	01	Staff	A	A	P
PE 033	3-0-0	Beginning Triathlon Training <i>course cancelled</i>	01	Staff	A	A	P
PE 036	3-0-0	Swimming, Beginning/Intermediate and Advanced <i>maximum enrollment: 12 students</i>	01	Hughes, P	MWF 14:00 - 14:55	POOL BAC	P
PE 038	3-0-0	Water Polo <i>maximum enrollment: 12 students</i>	01	Bonafede, J	TR 14:30 - 15:55	POOL BAC	P

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PHYSICAL EDUCATION							
PE 044	3-0-0	Karate (Shotokan), Beginning and Intermediate/Advanced <i>maximum enrollment: 25 students</i>	01	Teramoto, K	TR 16:00 - 17:25	MPR BAC	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate/Advanced <i>maximum enrollment: 12 students</i>	01	Mark, M	MWF 10:00 - 10:55	BAC	P
PE 060	3-0-0	Tennis, Beginning, Intermediate, and Advanced <i>maximum enrollment: 12 students</i>	01	Eslinger, O	TR 10:30 - 11:55	TCT BAC	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate <i>maximum enrollment: 15 students per section</i>	01 02	Marbut, S / Houck, T Hughes, R / Gardner, T	TR 10:30 - 11:55 TR 13:00 - 14:25	BAC BAC	P P
PE 071	3-0-0	Advanced Techniques of Human Performance <i>maximum enrollment: 30 students</i>	01	Alway, S	MW 13:00 - 13:55	BAC	P
PE 080A	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	YHC YHC	P P
PE 081	3-0-0	Bouldering <i>maximum enrollment: 10 students</i>	01	Held, R	TR 09:00 - 10:25	BRW	P
PE 082	3-0-0	Rock Climbing, Beginning and Intermediate <i>maximum enrollment: 15 students</i>	01	Held, R	TR 10:30 - 11:55	BRW	P
PE 083A	3-0-0	Intercollegiate Basketball Team (Women)	01	Marbut, S	MTWRFS 16:00 - 17:55	BAC	P
PE 087A	3-0-0	Intercollegiate Swimming Team (Men and Women)	01	Hughes, P	MTWRFS 16:00 - 17:55	POOL BAC	P
PE 089A	3-0-0	Intercollegiate Fencing Team (Men and Women)	01	Corbit, C	TR 20:00 - 21:55	BRW	P
PE 090A	3-0-0	Intercollegiate Water Polo Team (Men & Women)	01	Bonafede, J	MTWRFS 16:00 - 17:55	POOL BAC	P
PE 091A	3-0-0	Intercollegiate Basketball Team (Men)	01	Eslinger, O	MTWRFS 16:00 - 17:55	BAC	P

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PHYSICAL EDUCATION							
PE 092	3-0-0	Intercollegiate Soccer Team (Men)	01	Murray, P	MTWRFS 16:00 - 17:55	NOF BAC	P
PE 097	3-0-0	Intercollegiate Cross Country Team (Men and Women)	01	Raphelson, B	MTWRFS 16:00 - 17:55	TRK BAC	P
PE 099	3-0-0	Intercollegiate Volleyball Team (Women)	01	Gardner, T	MTWRFS 16:00 - 17:55	BAC	P
PHYSICS							
Ph 001A	4-0-5	Classical Mechanics and Electromagnetism	01	Patterson, R	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 155 ARM	P
			02	Patterson, R	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 102 STL	P
			03	Patterson, R	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 102 STL	P
			04	Patterson, R	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 142 KCK	P
			05	Patterson, R	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 119 DWN	P
			06	Patterson, R	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 103 DWN	P
			07	Patterson, R	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG B122 GCL	P
			08	Patterson, R	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG B280 MRE	P
			09	Patterson, R	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 269 LAU	P
			10	Patterson, R	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 119 DWN	P
Ph 002A	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Politzer, H / Martin, C	R 11:00 - 11:55 T 11:00 - 11:55 WF 09:00 - 09:55	269 LAU 201 BRG B111 DWN	G
			02	Politzer, H / Martin, C	R 11:00 - 11:55	269 LAU	G

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PHYSICS										
Ph 002A	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	02	Politzer, H / Martin, C	T 11:00 - 11:55 WF 11:00 - 11:55	201 BRG B111 DWN	G			
			03	Politzer, H / Martin, C	R 11:00 - 11:55 T 11:00 - 11:55 WF 11:00 - 11:55	269 LAU 201 BRG 103 DWN	G			
			04	Politzer, H / Martin, C	R 11:00 - 11:55 T 11:00 - 11:55 WF 13:00 - 13:55	269 LAU 201 BRG 102 STL	G			
			05	Politzer, H / Martin, C	R 11:00 - 11:55 T 11:00 - 11:55 WF 23:00 - 23:55	269 LAU 201 BRG 107 DWN	G			
			06	Politzer, H / Martin, C	R 11:00 - 11:55 T 11:00 - 11:55 WF 15:00 - 15:55	269 LAU 201 BRG B111 DWN	G			
			07	Politzer, H / Martin, C	R 11:00 - 11:55 T 11:00 - 11:55 WF 11:00 - 11:55	269 LAU 201 BRG 119 DWN	G			
			Ph 003	0-3-3	Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	OM,M 14:00 - 14:55 W 13:00 - 15:55	201 BRG 308 BRG	
						02	Black, E / Libbrecht, K	OM,M 14:00 - 14:55 R 13:00 - 15:55	201 BRG 308 BRG	
						03	Black, E / Libbrecht, K	OM,M 14:00 - 14:55 F 13:00 - 15:55	201 BRG 308 BRG	
			Ph 005	0-5-4	Analog Electronics for Physicists	01	Rice, F / Libbrecht, K	OM,T 15:00 - 15:55	201 BRG	
			FS/Ph 009	2-0-4	Freshman Seminar: The Science of Music <i>Maximum enrollment: 11 students</i>	01	Politzer, H	MF 13:00 - 13:55	248 LAU	P
			Ph 010	2-0-1	Frontiers in Physics <i>Maximum enrollment: 33 students</i>	01	Prince, T	W 12:00 - 13:55	114 EBRG	P
			FS/Ph 011A	2-0-4	Freshman Seminar: Research Tutorial	01	Phillips, R	A	201 SLN	P

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PHYSICS							
Ph 012A	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Prince, T	T 10:30 - 11:55 R 10:30 - 11:55	269 LAU 201 BRG	
Ph 020	0-6-0	Computational Physics Laboratory I	01	Prince, T / Mach, C	OM,M 15:00 - 15:55	304 BRG	P
Ph 050A	1-0-3	Caltech Physics League	01	Refael, G	OM,M 14:00 - 14:55	114 EBRG	
Ph 070	2-0-4	Oral and Written Communication	01	Hitlin, D	T 14:00 - 15:55	469 LAU	G
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 078A	9-0-0	Senior Thesis, Experimental	01	Stone, E	A	A	P
Ph 079A	9-0-0	Senior Thesis, Theoretical	01	Stone, E	A	A	P
Ph 105	3-0-6	Analog Electronics for Physicists	01	Rice, F / Libbrecht, K	OM,T 15:00 - 15:55	201 BRG	
Ph 106A	3-0-6	Topics in Classical Physics	01	Weinstein, A	TR 10:30 - 11:55	107 DWN	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	B157 BRG	
CS/Ph 120	3-0-6	Quantum Cryptography	01	Vidick, T	TR 10:30 - 11:55	243 ANB	
Ph 125A	3-0-6	Quantum Mechanics	01	Guadalupe Dos Santos Lins Brandao, F	MWF 10:00 - 10:55	107 DWN	
Ph 127A	3-0-6	Statistical Physics	01	Refael, G	MW 13:00 - 14:25	107 DWN	

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PHYSICS							
Ph 129A	3-0-6	Mathematical Methods of Physics	01	Porter, F	TR 09:00 - 10:25	107 DWN	
Ph 135A	3-0-6	Applications of Quantum Mechanics	01	Yeh, N	TR 13:00 - 14:25	107 DWN	
Ph 136A	3-0-6	Applications of Classical Physics	01	Hopkins, P	TR 14:30 - 15:55	269 LAU	
Ph 171	+	Reading and Independent Study	01	Preskill, J	A	A	P
			02	Refael, G	A	A	P
			03	Cross, M	A	A	P
			04	Carroll, S	A	A	P
			05	Schwarz, J	A	A	P
			06	Phillips, R	A	A	P
			07	Motrunich, O	A	A	P
			08	Kapustin, A	A	A	P
			09	Simon, B	A	A	P
			10	Chen, Y	A	A	P
			11	Porter, F	A	A	P
			12	Cheung, C	A	A	P
			13	Chen, X	A	A	P
			14	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			17	Wilson, R	A	A	P
			19	Libbrecht, K	A	A	P
			20	Troian, S	A	A	P
			21	Phinney, E	A	A	P
			22	Gukov, S	A	A	P
			24	Oguri, H	A	A	P
			25	Wise, M	A	A	P
			26	Golwala, S	A	A	P
			27	Weinstein, A	A	A	P
			28	Makarov, N	A	A	P
			29	Prince, T	A	A	P

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PHYSICS							
Ph 171	+	Reading and Independent Study	30	Hitlin, D	A	A	P
			31	Alicea, J	A	A	P
			32	Scheel, M	A	A	P
Ph 172	+	Research in Experimental Physics	01	Barish, B	A	A	P
			02	Ellis, R	A	A	P
			03	Golwala, S	A	A	P
			04	Bellan, P	A	A	P
			05	Eisenstein, J	A	A	P
			06	Filippone, B	A	A	P
			07	Scherer, A	A	A	P
			08	Wise, M	A	A	P
			09	Flagan, R	A	A	P
			10	Adhikari, R	A	A	P
			11	Harrison, F	A	A	P
			12	Hitlin, D	A	A	P
			13	Porter, F	A	A	P
			14	Scoville, N	A	A	P
			15	Fraser, S	A	A	P
			16	Kimble, H	A	A	P
			17	Prince, T	A	A	P
			18	Alicea, J	A	A	P
			19	Libbrecht, K	A	A	P
			20	Patterson, R	A	A	P
			21	Martin, C	A	A	P
			22	Troian, S	A	A	P
			23	Hsieh, D	A	A	P
			24	Beauchamp, J	A	A	P
			25	Bock, J	A	A	P
			26	Phillips, R	A	A	P
			27	Winfree, E	A	A	P
			28	Heath, J	A	A	P
			29	Atwater, H	A	A	P
			30	Hsieh, D	A	A	P

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PHYSICS							
Ph 172	+	Research in Experimental Physics	31	Okumura, M	A	A	P
			32	Haile, S	A	A	P
			33	Schwab, K	A	A	P
			34	Roukes, M	A	A	P
			35	Stone, E	A	A	P
			36	Pine, J	A	A	P
			37	Ott, C	A	A	P
			38	Rosenbaum, T	A	A	P
			39	Mawet, D	A	A	P
			42	Weinstein, A	A	A	P
			44	Yeh, N	A	A	P
			46	Zmuidzinas, J	A	A	P
			49	Newman, H	A	A	P
			50	Painter, O	A	A	P
			51	Vahala, K	A	A	P
			52	Readhead, A	A	A	P
			53	Fraser, S	A	A	P
54	Guo, C	A	A	P			
55	Spiropulu, M	A	A	P			
56	Eisenstein, J	A	A	P			
Ph 173	+	Research in Theoretical Physics	01	Schwarz, J	A	A	P
			02	Motrunich, O	A	A	P
			03	Phinney, E	A	A	P
			04	Marcus, R	A	A	P
			05	Carroll, S	A	A	P
			06	Filippone, B	A	A	P
			08	Troian, S	A	A	P
			09	Simon, B	A	A	P
			10	Porter, F	A	A	P
			11	Gukov, S	A	A	P
			12	Ott, C	A	A	P
			13	Hirata, C	A	A	P
			14	Atwater, H	A	A	P

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PHYSICS							
Ph 173	+	Research in Theoretical Physics	15	Kapustin, A	A	A	P
			16	Chen, Y	A	A	P
			17	Alicea, J	A	A	P
			18	Hopkins, P	A	A	P
			19	Scheel, M	A	A	P
			20	Yue, Y	A	A	P
			21	Libbrecht, K	A	A	P
			22	Prince, T	A	A	P
			23	Scoville, N	A	A	P
			24	Oguri, H	A	A	P
			25	Cheung, C	A	A	P
			26	Chen, X	A	A	P
			27	Hsieh, D	A	A	P
			28	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			30	Preskill, J	A	A	P
			38	Rosenbaum, T	A	A	P
			39	Thorne, K	A	A	P
			43	Wise, M	A	A	P
			44	Cross, M	A	A	P
			47	Phillips, R	A	A	P
			48	Chan, G	A	A	P
			49	Wilson, R	A	A	P
			50	Kitaev, A	A	A	P
			51	Refael, G	A	A	P
			52	Goddard, W	A	A	P
53	Stevenson, D	A	A	P			
54	Bernardi, M	A	A	P			
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Perona, P	TR 10:30 - 11:55	B280 MRE	
Ph 205A	3-0-6	Relativistic Quantum Field Theory	01	Wise, M	MW 10:30 - 11:55	269 LAU	

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PHYSICS							
Ph/CS 219A	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	269 LAU	P
CS/Ph 220	3-0-6	Quantum Cryptography <i>class cancelled - will be offered as CS/Ph 120</i>	01	Staff	A	A	
Ph 229A	3-0-6	Advanced Mathematical Methods of Physics	01	Oguri, H	TR 10:30 - 11:55	469 LAU	
Ph 230A	3-0-6	Elementary Particle Theory <i>class cancelled</i>	01	Staff	A	A	P
Ph 236A	3-0-6	Relativity <i>class cancelled</i>	01	Staff	A	A	P
Ph 242A	2-0-1	Physics Seminar	01	Stone, E / Refael, G	F 12:00 - 13:55	114 BRG	P
Ph 250A	3-0-6	Introduction to String Theory	01	Gukov, S	TR 09:00 - 10:25	469 LAU	
Ph 300	+	Thesis Research	01	Newman, H	A	A	P
			02	Zmuidzinis, J	A	A	P
			03	Cross, M	A	A	P
			04	Kennedy, M	A	A	P
			05	Phillips, T	A	A	P
			06	Filippone, B	A	A	P
			07	Marcolli, M	A	A	P
			08	Bock, J	A	A	P
			09	Readhead, A	A	A	P
			10	Phillips, R	A	A	P
			11	Harrison, F	A	A	P
			12	Hitlin, D	A	A	P
			13	Eisenstein, J	A	A	P
			14	Oguri, H	A	A	P
			15	Barish, B	A	A	P
			16	Kimble, H	A	A	P
			18	Lester, H	A	A	P

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PHYSICS							
Ph 300	+	Thesis Research	19	Libbrecht, K	A	A	P
			20	Desbrun, M	A	A	P
			21	Martin, A	A	A	P
			22	Martin, C	A	A	P
			23	McKeown, R	A	A	P
			24	Kapustin, A	A	A	P
			25	Bellan, P	A	A	P
			26	Winfree, E	A	A	P
			27	Ellis, R	A	A	P
			28	Motrunich, O	A	A	P
			29	Refael, G	A	A	P
			30	Preskill, J	A	A	P
			31	Adhikari, R	A	A	P
			32	Gukov, S	A	A	P
			33	Painter, O	A	A	P
			34	Roukes, M	A	A	P
			35	Kitaev, A	A	A	P
			36	Schwarz, J	A	A	P
			37	Marcus, R	A	A	P
			38	Stone, E	A	A	P
			39	Thorne, K	A	A	P
			40	Goddard, W	A	A	P
			41	Golwala, S	A	A	P
			42	Wilson, R	A	A	P
			43	Wise, M	A	A	P
			44	Yeh, N	A	A	P
			45	Troian, S	A	A	P
			46	Gharib, M	A	A	P
			47	Weinstein, A	A	A	P
			48	Chen, Y	A	A	P
			49	Fraser, S	A	A	P
50	Spiropulu, M	A	A	P			
51	Phinney, E	A	A	P			

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PHYSICS							
Ph 300	+	Thesis Research	52	Heath, J	A	A	P
			53	Hirata, C	A	A	P
			54	Ott, C	A	A	P
			55	Atwater, H	A	A	P
			56	Carroll, S	A	A	P
			57	Daraio, C	A	A	P
			58	Schwab, K	A	A	P
			59	Porter, F	A	A	P
			60	Cheung, C	A	A	P
			61	Prince, T	A	A	P
			POLITICAL SCIENCE				
PS 012	3-0-6	Introduction to Political Science	01	Ordeshook, P	MWF 15:00 - 15:55	Lecture Hall BAX	
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	Ordeshook, P	A	A	
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 14 students</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
PS 132	3-0-6	Formal Theories in Political Science	01	Agranov, M	TR 10:30 - 11:55	125 BAX	G
PS 135	3-0-6	Analyzing Legislative Elections	01	Katz, J	MW 10:30 - 11:55	125 BAX	G
Ec/PS 160A	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Ec/PS 190A required for 190B and 190C //Maximum enrollment: 10 students in 160a and SS 260</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G

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PSYCHOLOGY							
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences <i>Open to undergraduates with instructor approval</i>	01	Adolphs, R / Alvarez, R	M 19:00 - 20:55	125 BAX	P
SOCIAL SCIENCE							
SS 098	+	Reading in Social Science <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
SS 200	3-0-6	Selected Topics in Social Science	01	Echenique, F	R 09:00 - 10:25	B133 BAX	P
SS 201A	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i>	01	Saito, K	F 10:30 - 11:55 F 13:00 - 14:25	125 BAX 125 BAX	G
SS 202A	3-0-6	Political Theory <i>Open to Social Science graduate students only.</i>	01	Hirsch, A	MW 13:00 - 14:25	125 BAX	G
SS 205A	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Border, K	TR 14:30 - 15:55	125 BAX	G
SS 210A	3-0-6	Foundations of Political Economy	01	Palfrey, T	W 13:00 - 15:55	128 BAX	G
SS 211A	3-0-6	Advanced Economic Theory <i>class cancelled</i>	01	Staff	A	A	G
SS 222A	3-0-6	Econometrics <i>Open to graduate students only</i>	01	Shum, M	TR 13:00 - 14:25	128 BAX	G
SS 223A	3-0-6	Advanced Topics in Econometric Theory	01	Sherman, R	MT 17:30 - 18:55	127 BAX	G
SS 228	3-0-6	Applied Data Analysis for the Social Sciences <i>class will meet on 10/27 and 11/17 in group study room 218 (#2-1) of the Sherman Fairchild Library</i>	01	Katz, J	W 13:00 - 15:55	237 BAX	G

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SOCIAL SCIENCE							
SS 229A	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Rosenthal, J	MW 09:00 - 10:25	225 BAX	G
SS 231A	3-0-6	American Politics <i>open to graduate students only; prereq SS 202abc</i>	01	Alvarez, R	T 13:00 - 15:55	237 BAX	G
SS 260	3-3-3	Experimental Methods of Political Economy <i>Taught concurrently with Ec/PS 160 // Note: sec a required for secs b and c /Maximum enrollment: 10 students in 160a & 260a</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
SS 282A	2-0-1	Graduate Proseminar in Social Science	01	Echenique, F	M 14:30 - 15:55	125 BAX	P
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences <i>Open to undergraduates with instructor approval</i>	01	Adolphs, R / Alvarez, R	M 19:00 - 20:55	125 BAX	P
SS 300	+	Research in Social Science	02	Plott, C	A	A	P
			03	Echenique, F	A	A	P
			04	Camerer, C	A	A	P
			05	Katz, J	A	A	P
			06	Cvitanic, J	A	A	P
			07	Snowberg, E	A	A	P
			09	Rangel, A	A	A	P
			10	Kiewiet, D	A	A	P
			11	Alvarez, R	A	A	P
			12	Sherman, R	A	A	P
			13	Jackson, M	A	A	P
			14	Adolphs, R	A	A	P
			15	Goeree, J	A	A	P
			16	Rosenthal, J	A	A	P
			17	Yariv, L	A	A	P
			18	Palfrey, T	A	A	P
			19	Shum, M	A	A	P

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SOCIAL SCIENCE							
SS 300	+	Research in Social Science	20	Gillen, B	A	A	P
			22	Hoffman, P	A	A	P
			23	O'Doherty, J	A	A	P
			24	Lester, H	A	A	P
			25	Mobbs, D	A	A	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
EPT100	36-0-0	Ecole Polytechnique Scholars Program	01	Staff	A	A	P
MEL100	0-0-0	Melbourne Scholars Program	01	Staff	A	A	P
WRITING							
Wr 001	3-0-6	Introduction to Academic Writing for Multilingual Writers <i>open to undergraduate students only</i>	01	Hall, S	TR 14:30 - 15:55	101 KRK	P
Wr 002	3-0-6	Introduction to Academic Writing <i>open to undergraduate students only</i>	01	Daley, C	TR 09:00 - 10:25	128 BAX	P
			02	Daley, C	TR 14:30 - 15:55	B133 BAX	P
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P