

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

ANB	Annenberg Center for Information Science and Technology	KCK	Keck Engineering Laboratory
ARM	Arms Laboratory of Geological Sciences	KLK	Kellogg Radiation Laboratory
AVE	Avery House	KRK	Kerckhoff Laboratory of Biological Sciences
BAC	Braun Athletic Center	KSP	Keith Spaulding Building
BAX	Baxter Hall of Humanities and Social Services	L+R	Linde + Robinson Laboratory for Global Environmental Science
BBB	Beckman Laboratory of Behavioral Biology	LAU	Lauritsen Physics Laboratory
BCK	Beckman Institute	LINDE	Ronald and Maxine Linde Hall of Mathematics and Physics
BRD	Broad Center	MEAD	Undergraduate Chemistry Laboratory
BRG	Bridge Laboratory of Physics	MRE	Moore Laboratory
BRN	Braun Laboratory	NMD	North Mudd Building of Geological Sciences
BRW	Brown Gym	NYS	Noyes Laboratory of Chemical Physics
CHL	Cahill Center for Astronomy and Astrophysics	NewMedia	NewMedia Classroom
CHR	Church Laboratory of Chemical Biology	POLY	Polytechnic School
CRL	Crellin Chemistry Laboratory	PWL/BTH	Powell/Booth Laboratory
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	SMD	South Mudd Building of Geophysics and Planetary Sciences
FIR	Firestone Flight Science Laboratory	SPL	Spaulding Laboratory of Chemical Engineering
GCL	Gates Chemical Laboratory	STL	Steele Laboratory of Electrical Engineering
GTL	Gates-Thomas Engineering Laboratory	TCT	Theater Arts at Caltech (TACIT)
GUG	Guggenheim Laboratory	WAT	Watson Laboratory of Applied Physics
KAR	Karman 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	R = Thursday
T = Tuesday	F = Friday
W = Wednesday	S = Saturday
	U = Sunday

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AEROSPACE										
Ae 200	+	Advanced Research in Aerospace	04	Dimotakis, P	A	A	P			
			05	Gharib, M	A	A	P			
			06	Hornung, H	A	A	P			
			07	Bhattacharya, K	A	A	P			
			08	Leonard, A	A	A	P			
			09	Murray, R	A	A	P			
			10	Ortiz, M	A	A	P			
			11	Pullin, D	A	A	P			
			12	Ravichandran, G	A	A	P			
			13	Rosakis, A	A	A	P			
			14	McKeon, B	A	A	P			
			15	Pellegrino, S	A	A	P			
			16	Shepherd, J	A	A	P			
			17	Blake, G	A	A	P			
			18	Lapusta, N	A	A	P			
			19	Troian, S	A	A	P			
			20	Daraio, C	A	A	P			
			21	Blanquart, G	A	A	P			
			22	Kochmann, D	A	A	P			
			23	Greer, J	A	A	P			
			24	Gurnis, M	A	A	P			
			25	Minnich, A	A	A	P			
			26	Johnson, J	A	A	P			
			27	Austin, J	A	A	P			
			28	Kulkarni, S	A	A	P			
			29	Chung, S	A	A	P			
			30	Asimaki, D	A	A	P			
			31	Chung, S	A	A	P			
			32	Meiron, D	A	A	P			
			33	Hunt, M	A	A	P			
			Ae 208B	1-0-0	GALCIT Colloquium	01	Austin, J / Chung, S	F 15:00 - 15:55	133 GUG	P

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AEROSPACE							
Ae/AM/CE/ME 214A	3-5-1	Computational Solid Mechanics	01	Ortiz, M	MWF 09:00 - 09:55	384 FIR	
Ae/AM/ME 223	3-0-6	Plasticity <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Meiron, D	TR 10:30 - 11:55	232 GUG	
Ae 233	3-0-6	Hydrodynamic Stability	01	McKeon, B	MWF 11:00 - 11:55	384 FIR	P
Ae 237A	3-0-6	Nonsteady Gasdynamics	01	Austin, J / Shepherd, J	TR 13:00 - 14:25	384 FIR	P
Ae 240	+	Special Topics in Fluid Mechanics <i>Educational Exchange</i>	01	Meiron, D	A	A	P
MedE/BE/Ae 243	3-0-6	Biological Flows: Transport and Circulatory Systems	01	Roh, C	MW 15:00 - 16:25	232 GUG	
ANTHROPOLOGY							
An 014	3-0-6	Introduction to Sociocultural Anthropology <i>maximum enrollment: 30 students // previously numbered An 22, counts as Intro SS</i>	01	Ensminger, J	TR 14:30 - 15:55	B125 BAX	G
An 097	+	Undergraduate Research	01	Ensminger, J	A	A	P
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 15 students // Designated as Writing Intensive Course</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
APPLIED & COMPUTATIONAL MATH							
ACM095A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Zuev, K	MWF 11:00 - 12:15	119 KRK	
ACM100A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Zuev, K	MWF 11:00 - 12:15	119 KRK	

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APPLIED & COMPUTATIONAL MATH							
ACM/IDS 101B	4-0-8	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	213 ANB	
ACM105	3-0-6	Applied Real and Functional Analysis	01	Hoffmann, F	TR 10:30 - 11:55	107 ANB	
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	105 ANB	
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	B125 BAX	
CS/ACM 177A	3-3-3	Discrete Differential Geometry: Theory and Applications	01	Schroeder, P	TR 10:30 - 11:55	314 ANB	
ACM190	+	Reading and Independent Study	01	Bruno, O	A	A	P
			02	Meiron, D	A	A	P
			03	Stuart, A	A	A	P
			04	Hassibi, B	A	A	P
ACM/IDS 216	3-0-6	Markov Chains, Discrete Stochastic Processes and Applications	01	Owhadi, H	TR 09:00 - 10:25	105 ANB	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Meiron, D	TR 10:30 - 11:55	232 GUG	
ACM256	3-0-6	Special Topics in Applied Mathematics: Optimal Transport	01	Hoffmann, F	TR 14:30 - 15:55	314 ANB	
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	Tropp, J	A	A	P
			06	Meiron, D	A	A	P
			07	Pierce, N	A	A	P
			08	Owhadi, H	A	A	P
			09	Schroeder, P	A	A	P
			10	Hassibi, B	A	A	P

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APPLIED & COMPUTATIONAL MATH							
ACM300	+	Research in Applied and Computational Mathematics	11	Beck, J	A	A	P
			12	Stuart, A	A	A	P
			13	Graber, T	A	A	P
APPLIED MECHANICS							
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Hall, J	TR 09:00 - 10:25	135 GTL	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151B	3-0-6	Dynamics and Vibrations	01	Daraio, C	TR 13:00 - 14:25	115 GTL	G
AM/ME 165	3-0-6	Finite Elasticity	01	Bhattacharya, K	TR 14:30 - 15:55	135 GTL	
Ae/AM/CE/ME 214A	3-5-1	Computational Solid Mechanics	01	Ortiz, M	MWF 09:00 - 09:55	384 FIR	
Ae/AM/ME 223	3-0-6	Plasticity <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
AM 300	+	Research in Applied Mechanics	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				
APh023	2-0-4	Demonstration Lectures in Optics	01	Faraon, A	R 14:00 - 15:55	B280 MRE	
APh077B	0-9-0	Laboratory in Applied Physics	01	Bellan, P	OM,W 16:00 - 16:55	265 WAT	G

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APPLIED PHYSICS							
APh078B	+	Senior Thesis, Experimental	01	Faraon, A	A	A	P
			02	Scherer, A	A	A	P
			03	Phillips, R	A	A	P
			04	Painter, O	A	A	P
			05	Vahala, K	A	A	P
			06	Atwater, H	A	A	P
			07	Bellan, P	A	A	P
			08	Troian, S	A	A	P
			09	Yung, Y	A	A	P
			10	Schwab, K	A	A	P
			11	Knutson, H	A	A	P
			12	Endres, M	A	A	P
APh079B	+	Senior Thesis, Theoretical	01	Goddard, W	A	A	P
			02	Troian, S	A	A	P
			03	Kimble, H	A	A	P
APh100	+	Advanced Work in Applied Physics	01	Atwater, H	A	A	P
			02	Faraon, A	A	A	P
			03	Painter, O	A	A	P
			04	Scherer, A	A	A	P
			05	Troian, S	A	A	P
			07	Roukes, M	A	A	P
			08	Yang, C	A	A	P
			09	Bellan, P	A	A	P
			10	Phillips, R	A	A	P
			11	Choo, H	A	A	P
			12	Minnich, A	A	A	P
			13	Kimble, H	A	A	P
			Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T
Ae/APh 104B	0-6-3	Experimental Methods	01	Gharib, M	W 11:00 - 12:25	232 GUG	G

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APPLIED PHYSICS							
APh109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	OM,R 16:00 - 16:55	104 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	104 WAT	P
APh114B	3-0-6	Solid-State Physics	01	Nad Perge, S	MWF 09:00 - 09:55	104 WAT	
APh/Ph 115	3-0-9	Physics of Momentum Transport in Hydrodynamic Systems <i>Supplementary lectures and instructional movies on Fridays 1-2:25pm in 104 WAT</i>	01	Troian, S	TR 13:00 - 14:25 F 13:00 - 14:25	104 WAT 104 WAT	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	P
APh150	+	Topics in Applied Physics <i>Section 1: cancelled // Section 2: Order of Magnitude Biophysics - 5 (2-0-3) units, max enroll of 2 students</i>	01 02	Staff Phillips, R	A M 13:00 - 14:55	A 159 BRD	
APh156B	3-0-6	Plasma Physics	01	Bellan, P	MW 14:30 - 15:55	104 WAT	
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Counts towards 'total biology units' requirement in the Biology undergraduate option.</i>	01	Bois, J	MW 14:30 - 15:55	200 BRD	
APh190B	3-0-6	Quantum Electronics	01	Vahala, K	TR 10:30 - 11:55	104 WAT	
APh200	+	Applied Physics Research	01 02 03 04 05 06 07 08	Atwater, H Fultz, B Bellan, P Chen, Y Johnson, W Schwab, K Goddard, W Lewis, N	A A A A A A A A	A A A A A A A A	P P P P P P P P

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APPLIED PHYSICS										
APh200	+	Applied Physics Research	09	Troian, S	A	A	P			
			10	Preskill, J	A	A	P			
			11	Refael, G	A	A	P			
			12	Faraon, A	A	A	P			
			13	Lewis, N	A	A	P			
			14	Alicea, J	A	A	P			
			15	Hsieh, D	A	A	P			
			16	Minnich, A	A	A	P			
			17	Yang, C	A	A	P			
			18	Gharib, M	A	A	P			
			19	Painter, O	A	A	P			
			20	Phillips, R	A	A	P			
			21	Bernardi, M	A	A	P			
			22	Kimble, H	A	A	P			
			23	Roukes, M	A	A	P			
			24	Nad Perge, S	A	A	P			
			25	Scherer, A	A	A	P			
			26	Hutzler, N	A	A	P			
			27	Van Zyl, J	A	A	P			
			28	Yeh, N	A	A	P			
			29	Endres, M	A	A	P			
			30	Vahala, K	A	A	P			
			31	Yariv, A	A	A	P			
			32	Rosenbaum, T	A	A	P			
			33	Adhikari, R	A	A	P			
			34	Meiron, D	A	A	P			
			35	Elowitz, M	A	A	P			
			39	Motrunich, O	A	A	P			
			40	Spiropulu, M	A	A	P			
			Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	

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APPLIED PHYSICS							
APh300	+	Thesis Research in Applied Physics	01	Faraon, A	A	A	P
			02	Bellan, P	A	A	P
			03	Flagan, R	A	A	P
			04	Refael, G	A	A	P
			05	Snyder, G	A	A	P
			06	Troian, S	A	A	P
			07	Fultz, B	A	A	P
			08	Schwab, K	A	A	P
			09	Desbrun, M	A	A	P
			10	Hsieh, D	A	A	P
			11	Faber, K	A	A	P
			15	Phillips, R	A	A	P
			16	Daraio, C	A	A	P
			17	Rosenbaum, T	A	A	P
			18	Roukes, M	A	A	P
			20	Scherer, A	A	A	P
			21	Chen, Y	A	A	P
			24	Vahala, K	A	A	P
			25	Yariv, A	A	A	P
			28	Painter, O	A	A	P
29	Zmuidzinas, J	A	A	P			
30	Atwater, H	A	A	P			
31	Bernardi, M	A	A	P			
32	Nad Perge, S	A	A	P			
ART HISTORY							
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	TR 14:30 - 15:55	115 BCK	G
ASTROPHYSICS							
Ay 021	3-0-6	Galaxies and Cosmology	01	Steidel, C	MWF 13:00 - 13:55	219 CHL	

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ASTROPHYSICS							
Ay 030	2-0-1	Introduction to Modern Research <i>Classes will be held in Faculty homes.</i>	01	Howard, A	T 19:00 - 19:55	A	P
Ay 043	+	Reading in Astronomy and Astrophysics	01	Staff	A	A	P
Ay 078B	+	Senior Thesis	01	Bock, J	A	A	P
			02	Fuller, J	A	A	P
			03	Hillenbrand, L	A	A	P
			04	Steidel, C	A	A	P
			05	Cohen, J	A	A	P
			06	Phinney, E	A	A	P
			07	Howard, A	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P
			10	Harrison, F	A	A	P
			11	Hallinan, G	A	A	P
			12	Scoville, N	A	A	P
			13	Hopkins, P	A	A	P
			14	Djorgovski, S	A	A	P
			15	Knutson, H	A	A	P
			16	Kasliwal, M	A	A	P
			17	Mawet, D	A	A	P
			18	Blake, G	A	A	P
Ay 101	3-2-6	Physics of Stars	01	Fuller, J	MWF 11:00 - 11:55	219 CHL	
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 14:00 - 14:55	162 SMD	
Ay 122B	3-0-6	Astronomical Measurements and Instrumentation	01	Hallinan, G	TR 13:00 - 15:25	219 CHL	
Ay 124	3-0-6	Structure and Dynamics of Galaxies	01	Hopkins, P	TR 10:25 - 11:55	219 CHL	

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ASTROPHYSICS							
Ay 127	3-0-6	Cosmology and Galaxy Formation	01	Steidel, C / Martin, C	MF 09:00 - 10:25	219 CHL	
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 13:00 - 13:55	176 SMD	
Ay 141B	1-0-2	Research Conference in Astronomy	01	Kasliwal, M / Hallinan, G	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Fuller, J	A	A	P
			02	Blake, G	A	A	P
			03	Harrison, F	A	A	P
			04	Brown, M	A	A	P
			05	Phinney, E	A	A	P
			06	Djorgovski, S	A	A	P
			07	Howard, A	A	A	P
			08	Kasliwal, M	A	A	P
			09	Hillenbrand, L	A	A	P
			10	Fuller, J	A	A	P
			11	Kulkarni, S	A	A	P
			12	Hallinan, G	A	A	P
			13	Martin, C	A	A	P
			14	Bock, J	A	A	P
			16	Prince, T	A	A	P
			17	Hopkins, P	A	A	P
			18	Kirby, E	A	A	P
			19	Sargent, A	A	A	P
			23	Steidel, C	A	A	P
			27	Stevenson, D	A	A	P
			28	Cohen, J	A	A	P
			29	Knutson, H	A	A	P
			30	Mawet, D	A	A	P
			31	Batygin, K	A	A	P
Ay 143	+	Reading and Independent Study	01	Sargent, A	A	A	P
			02	Kulkarni, S	A	A	P

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ASTROPHYSICS							
Ay 143	+	Reading and Independent Study	04	Hopkins, P	A	A	P
			06	Brown, M	A	A	P
			07	Blake, G	A	A	P
			08	Knutson, H	A	A	P
			09	Batygin, K	A	A	P
Ge/Ay 159	3-0-6	Astrobiology	01	Yung, Y	MWF 11:00 - 11:55	162 SMD	
BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Jensen, G	TR 10:30 - 11:55	115 BCK	G
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	R 12:00 - 12:55	320 BRN	P
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology <i>meets Wednesdays noon-1pm in BBB B180</i>	01	Hay, B	A	A	P
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Pachter, L	A	A	P
			03	Rothmund, P	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			07	Greer, J	A	A	P
			08	Campbell, J	A	A	P
			09	Phillips, R	A	A	P
			10	Hay, B	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Phillips, R	A	A	P
			13	Parker, C	A	A	P
			14	Barton, J	A	A	P
			15	Heath, J	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	16	Davidson, E	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P
			19	Mazmanian, S	A	A	P
			20	Shan, S	A	A	P
			21	Jensen, G	A	A	P
			22	Elowitz, M	A	A	P
			23	Dervan, P	A	A	P
			24	Dunphy, W	A	A	P
			25	Tirrell, D	A	A	P
			26	Patterson, P	A	A	P
			27	Meyerowitz, E	A	A	P
			28	Rothenberg, E	A	A	P
			29	Clemons, W	A	A	P
			30	Leadbetter, J	A	A	P
			31	Kennedy, M	A	A	P
			32	Lester, H	A	A	P
			33	Murray, R	A	A	P
			34	Mazmanian, S	A	A	P
			35	Baltimore, D	A	A	P
			36	Wang, Z	A	A	P
			37	Gharib, M	A	A	P
			38	Miller, T	A	A	P
			39	Sternberg, P	A	A	P
			40	Davis, M	A	A	P
			41	Pierce, N	A	A	P
			42	Gray, H	A	A	P
			43	Roukes, M	A	A	P
			44	Newman, D	A	A	P
			45	Cai, L	A	A	P
			46	Varshavsky, A	A	A	P
			47	Hoelz, A	A	A	P
			48	Goentoro, L	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	49	Guttman, M	A	A	P
			50	Shapiro, M	A	A	P
			51	Ismagilov, R	A	A	P
			52	Meister, M	A	A	P
			53	Chan, D	A	A	P
			54	Zinn, K	A	A	P
			55	Ondrus, A	A	A	P
			56	Voorhees, R	A	A	P
			57	Winfree, E	A	A	P
			58	Wagenaar, D	A	A	P
BIOENGINEERING							
BE 001	1-0-0	Frontiers in Bioengineering	01	Bois, J	M 12:00 - 12:55	B270 MRE	P
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	01	Arnold, F	A	A	P
			02	Mayo, S	A	A	P
			03	Burdick, J	A	A	P
			04	Kennedy, M	A	A	P
			05	Beauchamp, J	A	A	P
			06	Shimojo, S	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Lester, H	A	A	P
			10	Phillips, R	A	A	P
			11	Dervan, P	A	A	P
			12	Pierce, N	A	A	P
			13	Gradinaru, V	A	A	P
			15	Guttman, M	A	A	P
16	Roukes, M	A	A	P			
17	Scherer, A	A	A	P			
18	Tai, Y	A	A	P			
19	Tirrell, D	A	A	P			
20	Yang, C	A	A	P			

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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>	21	Shan, S	A	A	P
			22	Adolphs, R	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Bjorkman, P	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfrey, E	A	A	P
			28	Ismagilov, R	A	A	P
			29	Oka, Y	A	A	P
			30	Kornfield, J	A	A	P
			31	Baltimore, D	A	A	P
			32	Davis, M	A	A	P
			33	Sternberg, P	A	A	P
			36	Qian, L	A	A	P
			37	Shapiro, M	A	A	P
			38	Mazmanian, S	A	A	P
			39	Van Valen, D	A	A	P
40	Thomson, M	A	A	P			
41	Dickinson, M	A	A	P			
BE/Bi 106	3-0-6	Comparative Biomechanics	01	Dickinson, M	MWF 14:00 - 14:55	181 BBB	
ChE/BE/MedE 112	3-0-6	Design, Invention, and Fundamentals of Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	102 SPL	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	P
Bi/BE 129	3-0-6	The Biology and Treatment of Cancer	01	Zinn, K / Campbell, J	MWF 10:00 - 10:55	100 - Rock Auditorium BRD	
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	B136 KRK	

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BIOENGINEERING							
BE 159	3-0-6	Signal Transduction and Biomechanics in Eukaryotic Cell Morphogenesis <i>Office hours Fridays from 2:30-4 in 200 Broad</i>	01	Bois, J	F 10:00 - 10:55	102 SPL	
					MW 10:00 - 10:55	102 SPL	
			02	Bois, J	MW 10:00 - 10:55	102 SPL	
					F 11:00 - 11:55	102 SPL	
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Counts towards 'total biology units' requirement in the Biology undergraduate option.</i>	01	Bois, J	MW 14:30 - 15:55	200 BRD	
MedE/EE/BE 168A	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 10:30 - 12:25	142 KCK	G
Bi/BE 177	3-0-6	Principles of Modern Microscopy	01	Collazo, A	TR 10:30 - 11:55	200 BRD	
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Thomson, M / Pachter, L	TR 10:30 - 11:55	119 KRK	
ChE/BE/MedE 188	3-0-6	Molecular Imaging	01	Shapiro, M	W 19:00 - 21:55	113 SPL	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	B136 KRK	G
BE/CS 196A	3-6-3	Design and Construction of Programmable Molecular Systems	01	Qian, L	TR 13:00 - 15:55	108 KCK	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Troian, S	A	A	P
			03	Burdick, J	A	A	P
			04	Rothmund, P	A	A	P
			05	Dervan, P	A	A	P
			06	Goentoro, L	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Heath, J	A	A	P
			10	Lester, H	A	A	P
			11	Guttman, M	A	A	P
			12	Pierce, N	A	A	P

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	13	Meister, M	A	A	P
			14	Goddard, W	A	A	P
			15	Ismagilov, R	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Thomson, M	A	A	P
			22	Dickinson, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Lois, C	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Shapiro, M	A	A	P
			29	Phillips, R	A	A	P
			30	Mayo, S	A	A	P
			31	Sternberg, P	A	A	P
			32	Gradinaru, V	A	A	P
			33	Andersen, R	A	A	P
			34	Qian, L	A	A	P
			35	Kornfield, J	A	A	P
36	Bjorkman, P	A	A	P			
37	Cai, L	A	A	P			
38	Hong, E	A	A	P			
39	Greer, J	A	A	P			
40	Pachter, L	A	A	P			
41	Mazmanian, S	A	A	P			
42	Wang, K	A	A	P			
BE 201	+	Reading the Bioengineering Literature <i>Required for first and second year BE grad students // class meets on Mondays, 6-7pm in</i>	01	Winfree, E	A	A	P

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BIOENGINEERING							
MedE/BE/Ae 243	3-0-6	Biological Flows: Transport and Circulatory Systems	01	Roh, C	MW 15:00 - 16:25	232 GUG	
BIOLOGY							
Bi 008	3-0-6	Introduction to Molecular Biology: Regulation of Gene Expression <i>Maximum enrollment: 30 students per section</i>	01	Guttman, M / Hong, E	TR 13:00 - 14:25 W 15:00 - 15:55	119 KRK 101 KRK	
			02	Guttman, M / Hong, E	TR 13:00 - 14:25 R 19:00 - 19:55	119 KRK 101 KRK	
			03	Guttman, M / Hong, E	TR 13:00 - 14:25 F 14:00 - 14:55	119 KRK 152 BRN	
Bi 022	+	Undergraduate Research	01	Chan, D	A	A	P
			02	Quartz, S	A	A	P
			03	Allman, J	A	A	P
			04	Anderson, D	A	A	P
			05	Parker, C	A	A	P
			06	Arnold, F	A	A	P
			07	Baltimore, D	A	A	P
			08	Sternberg, P	A	A	P
			09	Lester, H	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Leadbetter, J	A	A	P
			13	Adolphs, R	A	A	P
			14	Shapiro, M	A	A	P
			15	Rothenberg, E	A	A	P
			16	Hay, B	A	A	P
			17	Cai, L	A	A	P
			18	Shan, S	A	A	P
			19	Campbell, J	A	A	P
			20	Clemons, W	A	A	P
			21	Stevenson, D	A	A	P
			22	Orphan, V	A	A	P
			23	Varshavsky, A	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	24	Meyerowitz, E	A	A	P
			25	Meister, M	A	A	P
			26	Winfree, E	A	A	P
			27	Mazmanian, S	A	A	P
			28	Tirrell, D	A	A	P
			29	Shimojo, S	A	A	P
			30	Wold, B	A	A	P
			31	Sternberg, P	A	A	P
			32	Kennedy, M	A	A	P
			33	Newman, D	A	A	P
			34	Hsiao, E	A	A	P
			35	Gradinaru, V	A	A	P
			36	Peter Lashgari Faghani, I	A	A	P
			40	Goddard, W	A	A	P
			41	Stathopoulos, A	A	A	P
			42	Zinn, K	A	A	P
			43	Rangel, A	A	A	P
			45	Davis, M	A	A	P
			46	Murray, R	A	A	P
			47	Jensen, G	A	A	P
			48	Elowitz, M	A	A	P
			49	Prober, D	A	A	P
			50	Bronner Hansen, M	A	A	P
			51	Aravin, A	A	A	P
			52	Aravin, A	A	A	P
			53	Clemons, W	A	A	P
			54	Mazmanian, S	A	A	P
			55	Newman, D	A	A	P
			56	Shan, S	A	A	P
			57	Guttman, M	A	A	P
			58	Ondrus, A	A	A	P
			59	Hong, E	A	A	P
			60	Pachter, L	A	A	P

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BIOLOGY							
Bi 023	1-0-2	Biology Tutorials <i>1: Cancelled /2:Current Advances in Gene Therapy/3:Small RNAs with Big Roles/4: Novel Approaches in Vaccine Research/5: Cancelled /6:Methods in Neural Data Analysis</i>	02	Szablowski, J / Huang, A	T 20:00 - 20:55	113 SPL	P
			03	Ninova, M / Huang, A	F 11:00 - 11:55	203 BRN	P
			04	Flyak, A / Huang, A	W 16:00 - 16:55	200 BRD	P
			06	Kennedy, A / Huang, A	F 18:00 - 18:55	B101 BBB	P
Bi 090B	+	Undergraduate Thesis	01	Doyle, J / Bjorkman, P	A	A	P
			02	Wold, B / Bjorkman, P	A	A	P
			03	Sternberg, P / Bjorkman, P	A	A	P
			04	Lester, H / Bjorkman, P	A	A	P
			05	Newman, D / Bjorkman, P	A	A	P
			06	Anderson, D / Bjorkman, P	A	A	P
			07	Wold, B / Bjorkman, P	A	A	P
			09	Allman, J / Bjorkman, P	A	A	P
			10	Rothenberg, E / Bjorkman, P	A	A	P
			11	Rangel, A / Bjorkman, P	A	A	P
			12	Gradinaru, V / Bjorkman, P	A	A	P
			13	Davis, M / Bjorkman, P	A	A	P
			14	Baltimore, D / Bjorkman, P	A	A	P
			15	Rothenberg, E / Bjorkman, P	A	A	P
			16	Hassibi, B / Bjorkman, P	A	A	P
			17	Bjorkman, P	A	A	P
			CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J
BE/Bi 106	3-0-6	Comparative Biomechanics	01	Dickinson, M	MWF 14:00 - 14:55	181 BBB	
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C / Campbell, J	W 14:00 - 15:55	152 BRN	
					TR 11:00 - 11:55	147 NYS	

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BIOLOGY							
Bi 114	3-0-6	Immunology	01	Mazmanian, S / Bjorkman, P	MW 13:00 - 14:25	200 BRD	
Bi 117	3-0-6	Developmental Biology	01	Bronner Hansen, M	M 19:00 - 19:55 TR 13:00 - 14:25	100 - Rock Auditorium BRD 100 - Rock Auditorium BRD	
Bi 118	3-0-6	Morphogenesis of Developmental Systems	01	Stathopoulos, A	TR 14:30 - 15:55	200 BRD	
Bi/BE 129	3-0-6	The Biology and Treatment of Cancer	01	Zinn, K / Campbell, J	MWF 10:00 - 10:55	100 - Rock Auditorium BRD	
Bi 145B	3-0-6	Tissue and Organ Physiology	01	Tydell, C	TR 19:00 - 20:25	152 BRN	
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	B136 KRK	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>maximum enrollment: 20 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	128 BAX	G
Bi/CNS/NB 162	2-4-6	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 18 students</i>	01	Bremner, L	M 13:00 - 16:25	B160 CHR	
ESE/Bi 168	3-0-6	Microbial Metabolic Diversity	01	Newman, D	MWF 11:00 - 11:55	215 NMD	
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Jensen, G	TR 10:30 - 11:55	115 BCK	G
Bi/BE 177	3-0-6	Principles of Modern Microscopy	01	Collazo, A	TR 10:30 - 11:55	200 BRD	
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Thomson, M / Pachter, L	TR 10:30 - 11:55	119 KRK	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	B136 KRK	G

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BIOLOGY							
Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	101 KRK	
Ge/Bi/ESE 246	2-0-4	Molecular Geobiology Seminar	01	Orphan, V	OM,W 12:00 - 12:55	251 ARM	P
CNS/Bi/NB 247	2-0-4	Cerebral Cortex	01	Andersen, R	TR 13:00 - 13:55	330 BBB	
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology <i>meets Wednesdays noon-1pm in BBB B180</i>	01	Hay, B	A	A	P
Bi 253	+	Reading, Writing, Reviewing, Experimental Design and Reproducibility <i>meets Mondays 3-5pm in 152 Braun</i>	01	Hay, B / Sternberg, P	A	A	P
Bi 299	+	Graduate Research	01	Stathopoulos, A	A	A	P
			02	Lester, H	A	A	P
			03	Allman, J	A	A	P
			04	Andersen, R	A	A	P
			05	Anderson, D	A	A	P
			06	Varshavsky, A	A	A	P
			07	Mazmanian, S	A	A	P
			08	Ondrus, A	A	A	P
			09	Pachter, L	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Campbell, J	A	A	P
			13	Chan, D	A	A	P
			14	Thomson, M	A	A	P
			15	Baltimore, D	A	A	P
			16	Dickinson, M	A	A	P
			17	Clemons, W	A	A	P
			18	Dunphy, W	A	A	P
			19	Voorhees, R	A	A	P
			20	Goddard, W	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	21	Hay, B	A	A	P
			22	Kennedy, M	A	A	P
			23	Scherer, A	A	A	P
			24	Orphan, V	A	A	P
			25	Arnold, F	A	A	P
			26	Pierce, N	A	A	P
			27	Tsao, D	A	A	P
			28	Mayo, S	A	A	P
			29	Meyerowitz, E	A	A	P
			30	Newman, D	A	A	P
			31	Guo, C	A	A	P
			32	Lois, C	A	A	P
			33	Gharib, M	A	A	P
			34	Kirschvink, J	A	A	P
			35	Hsieh-Wilson, L	A	A	P
			36	Shan, S	A	A	P
			37	Rothenberg, E	A	A	P
			38	Elowitz, M	A	A	P
			39	Guttman, M	A	A	P
			40	Shimojo, S	A	A	P
			41	Phillips, R	A	A	P
			42	Sternberg, P	A	A	P
			43	Cai, L	A	A	P
			44	Goentoro, L	A	A	P
			45	Winfree, E	A	A	P
			46	Wold, B	A	A	P
			47	Jensen, G	A	A	P
			48	Heath, J	A	A	P
			49	Zinn, K	A	A	P
			50	Leadbetter, J	A	A	P
			51	Elowitz, M	A	A	P
			52	Prober, D	A	A	P
			53	Adolphs, R	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	54	Aravin, A	A	A	P
			55	Dougherty, D	A	A	P
			56	Tai, Y	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Burdick, J	A	A	P
			59	Meister, M	A	A	P
			60	Siapas, A	A	A	P
			61	Murray, R	A	A	P
			62	Gradinaru, V	A	A	P
			63	Qian, L	A	A	P
			64	Oka, Y	A	A	P
			65	Hsiao, E	A	A	P
			66	Shapiro, M	A	A	P
			67	Hong, E	A	A	P
			68	Ismagilov, R	A	A	P
69	Phillips, R	A	A	P			
70	Parker, J	A	A	P			
71	Roukes, M	A	A	P			
72	Van Valen, D	A	A	P			
73	Wang, K	A	A	P			
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Cvitanic, J	A	A	P
			02	Camerer, C	A	A	P
BEM103	3-0-6	Introduction to Finance	01	Jin, J	MW 13:00 - 14:25	Lecture Hall BAX	G
BEM107	3-0-6	Applied Corporate Finance and Investment Banking <i>Maximum Enrollment: 40 Students // course cannot be used to fulfill the Adv SS Institute requirement</i>	01	Cornell, B	R 18:00 - 20:55	127 BAX	P

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BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM110	3-0-6	Venture Capital	01	Ewens, M	MW 10:30 - 11:55	B125 BAX	G
BEM111	3-0-6	Quantitative Risk Management	01	Winston, K	TR 10:30 - 11:55	228 BAX	
CHEMICAL ENGINEERING							
ChE010	1-0-0	Introduction to Chemical Engineering	01	Shapiro, M	T 12:00 - 12:55	102 SPL	P
ChE062	3-0-6	Separation Processes	01	Seinfeld, J	MWF 13:00 - 13:55	106 SPL	G
ChE063A	3-0-6	Chemical Engineering Thermodynamics	01	Gavalas, G	MWF 14:00 - 14:55	106 SPL	G
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			02	Giapis, K	A	A	P
			03	Kornfield, J	A	A	P
			04	Haile, S	A	A	P
			05	Ismagilov, R	A	A	P
			06	Lewis, N	A	A	P
			07	Davis, M	A	A	P
			08	Grubbs, R	A	A	P
			09	Shapiro, M	A	A	P
			10	Goddard, W	A	A	P
			11	Hoelz, A	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			15	Shapiro, M	A	A	P
			34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			37	Heath, J	A	A	P
			38	Agapie, T	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
CHEMICAL ENGINEERING										
ChE090A	+	Senior Thesis	01	Heath, J	A	A	P			
			02	Giapis, K	A	A	P			
			03	Seinfeld, J	A	A	P			
			04	Tirrell, D	A	A	P			
			06	Flagan, R	A	A	P			
			07	Gavalas, G	A	A	P			
			08	Kornfield, J	A	A	P			
			09	Davis, M	A	A	P			
			10	Haile, S	A	A	P			
			11	Wang, Z	A	A	P			
			13	Brady, J	A	A	P			
			14	Greer, J	A	A	P			
			15	Cai, L / Arnold, F	A	A	P			
			16	Grubbs, R	A	A	P			
			17	Fu, G	A	A	P			
			18	Atwater, H	A	A	P			
			ChE090B	0-4-5	Senior Thesis	01	Giapis, K	A	A	
						03	Kornfield, J	A	A	
04	Arnold, F	A				A				
05	Lewis, N	A				A				
06	Flagan, R	A				A				
08	Mayo, S	A				A				
09	Ismagilov, R	A				A				
10	Seinfeld, J	A				A				
11	Wang, Z	A				A				
Ch/ChE 091	2-0-1	Scientific Writing				01	Parker, C	M 14:00 - 15:55	101 SCH	G
ChE101	3-0-6	Chemical Reaction Engineering	01	Arnold, F	TR 13:00 - 14:25	106 SPL				
ChE103B	3-0-6	Transport Phenomena	01	Shapiro, M	MWF 10:00 - 10:55	106 SPL				

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CHEMICAL ENGINEERING							
ChE/BE/MedE 112	3-0-6	Design, Invention, and Fundamentals of Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	102 SPL	
ChE118	3-0-6	Introduction to the Design of Chemical Systems	01	Vicic, M	MWF 15:00 - 15:55	102 SPL	G
ChE128	1-6-2	Chemical Engineering Design Laboratory <i>If unable to register, please contact instructor.</i>	01	Vicic, M / Giapis, K	M 12:00 - 12:55 WF 09:00 - 11:55	113 SPL 122 SPL	G
Ch/ChE 140A	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis, N	TR 13:00 - 14:25	216 NYS	
ChE151A	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 09:00 - 09:55	102 SPL	G
ESE/ChE 158	3-0-6	Aerosol Physics and Chemistry	01	Flagan, R	TR 14:30 - 15:55	102 SPL	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	
ChE/BE/MedE 188	3-0-6	Molecular Imaging	01	Shapiro, M	W 19:00 - 21:55	113 SPL	
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Murray, R	A	A	P
			03	Haile, S	A	A	P
			04	Stoltz, B	A	A	P
			05	Pierce, N	A	A	P
			06	Dougherty, D	A	A	P
			07	Brady, J	A	A	P
			08	Atwater, H	A	A	P
			09	Elowitz, M	A	A	P
			10	Davis, M	A	A	P
			11	Greer, J	A	A	P
			12	Fultz, B	A	A	P
			13	Flagan, R	A	A	P

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	14	See, K	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	Miller, T	A	A	P
			19	Shapiro, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Kornfield, J	A	A	P
			22	Robb, M	A	A	P
			23	Lewis, N	A	A	P
			24	Wei, L	A	A	P
			25	Chan, G	A	A	P
			36	Tirrell, D	A	A	P
			37	Wang, Z	A	A	P
			40	Seinfeld, J	A	A	P
			41	Heath, J	A	A	P
			46	Ismagilov, R	A	A	P
47	Guttman, M	A	A	P			
CHEMISTRY							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	01	Miller, T / Robb, M	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 151 CRL	P
			02	Miller, T / Robb, M	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 119 KRK	P
			03	Miller, T / Robb, M	MTR 11:00 - 11:55 W 19:00 - 19:55	Lecture Hall BAX 119 KRK	P
			04	Miller, T / Robb, M	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 147 NYS	P
			05	Miller, T / Robb, M	MTR 11:00 - 11:55 W 18:00 - 18:55	Lecture Hall BAX 151 CRL	P
			06	Miller, T / Robb, M	MTR 11:00 - 11:55 W 19:00 - 19:55	Lecture Hall BAX 153 NYS	P
			07	Miller, T / Robb, M	MTR 11:00 - 11:55	Lecture Hall BAX	P

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CHEMISTRY										
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	07	Miller, T / Robb, M	W 14:00 - 14:55	B127 GCL	P			
			08	Miller, T / Robb, M	MTR 11:00 - 11:55 W 18:00 - 18:55	Lecture Hall BAX 115 BCK	P			
			09	Miller, T / Robb, M	MTR 11:00 - 11:55 W 15:00 - 15:55	Lecture Hall BAX 151 CRL	P			
			10	Miller, T / Robb, M	MTR 11:00 - 11:55 W 13:00 - 13:55	Lecture Hall BAX B127 GCL	P			
			11	Miller, T / Robb, M	MTR 11:00 - 11:55 W 22:00 - 22:55	Lecture Hall BAX B127 GCL	P			
			12	Miller, T / Robb, M	MTR 11:00 - 11:55 W 19:00 - 19:55	Lecture Hall BAX 151 CRL	P			
			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	F 13:00 - 13:55 T 08:00 - 10:55 OM,M 13:00 - 13:55	153 NYS 107 MEAD 153 NYS	P
02	Mendez, J	F 13:00 - 13:55 T 13:00 - 15:55 OM,M 13:00 - 13:55				153 NYS 107 MEAD 153 NYS	P			
03	Mendez, J	F 13:00 - 13:55 T 19:00 - 21:55 OM,M 13:00 - 13:55				153 NYS 107 MEAD 153 NYS	P			
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 W 13:00 - 15:55 OM,M 09:00 - 09:55	147 NYS 107 MEAD 147 NYS	P
						02	Mendez, J	F 09:00 - 09:55 R 08:00 - 10:55 OM,M 09:00 - 09:55	147 NYS 107 MEAD 147 NYS	P
						Ch 004A	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>The instructor will contact the students by email before the start of the term to assign two lab sections. //Lab sections available Tuesday 8-11 and 1-4, and Thursday 8-11am and 1-4pm.</i>	01	Mendez, J

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CHEMISTRY							
Ch 005A	1-9-2	Advanced Techniques of Synthesis and Analysis <i>Lab times available MF 8am-5pm and W 1-5pm</i>	01	Grubbs, R	A	MEAD	
Ch 010B	1-0-0	Frontiers in Chemistry <i>Lab Hours TBA</i>	01	Dervan, P / Hoelz, A	R 12:00 - 12:55	147 NYS	P
Ch 014	2-3-4	Chemical Equilibrium and Analysis	01	Barraza, K / Beauchamp, J	MW 11:00 - 11:55	151 CRL	G
			02	Barraza, K / Beauchamp, J	MW 11:00 - 11:55	151 CRL	G
Ch 021B	3-0-6	Physical Chemistry	01	Wei, L	MWF 13:00 - 13:55	147 NYS	G
Ch 041B	4-0-5	Organic Chemistry	01	Hsieh-Wilson, L	MWF 09:00 - 09:55	153 NYS	
Ch 080	+	Chemical Research	01	Dervan, P	A	A	P
			02	Hsieh-Wilson, L	A	A	P
			03	Barton, J	A	A	P
			04	Beauchamp, J	A	A	P
			05	Grubbs, R	A	A	P
			06	Goddard, W	A	A	P
			07	Marcus, R	A	A	P
			08	Shan, S	A	A	P
			09	Bercaw, J	A	A	P
			10	Heath, J	A	A	P
			11	Agapie, T	A	A	P
			12	Davis, M	A	A	P
			13	Chan, G	A	A	P
			14	Shapiro, M	A	A	P
			15	Arnold, F	A	A	P
			16	Haile, S	A	A	P
			17	Gray, H	A	A	P
			18	Virgil, S	A	A	P
			20	Kornfield, J	A	A	P

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CHEMISTRY							
Ch 080	+	Chemical Research	21	Rossmann, G	A	A	P
			27	Okumura, M	A	A	P
			29	Peters, J	A	A	P
			30	Gao, W	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Reisman, S	A	A	P
			38	Weitekamp, D	A	A	P
			39	Lewis, N	A	A	P
			40	Rees, D	A	A	P
			41	Hoelz, A	A	A	P
			42	Fu, G	A	A	P
			43	Dougherty, D	A	A	P
			44	Hoffmann, M	A	A	P
			45	Holst, M	A	A	P
			46	Clemons, W	A	A	P
			47	Blake, G	A	A	P
48	Ondrus, A	A	A	P			
Ch 081	+	Independent Reading in Chemistry	02	Reisman, S	A	A	P
			03	Hoelz, A	A	A	P
			04	Gray, H	A	A	P
			06	Goddard, W	A	A	P
			22	Lewis, N	A	A	P
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01	Rees, D / Okumura, M	A	A	P
			02	Shapiro, M / Okumura, M	A	A	P
			03	Okumura, M / Hoelz, A	A	A	P
			04	Grubbs, R / Okumura, M	A	A	P
			05	Agapie, T / Okumura, M	A	A	P
			06	Peters, J / Okumura, M	A	A	P
			07	Tirrell, D / Okumura, M	A	A	P
			08	Stoltz, B / Okumura, M	A	A	P
			09	Gray, H / Okumura, M	A	A	P

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CHEMISTRY							
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	10	Asimow, P / Okumura, M	A	A	P
			11	Dougherty, D / Okumura, M	A	A	P
			12	Hoelz, A / Okumura, M	A	A	P
			13	Rossmann, G / Okumura, M	A	A	P
			14	Reisman, S / Okumura, M	A	A	P
Ch 090	2-0-1	Oral Presentation <i>maximum enrollment: 12 students</i>	01	Bikle, K	W 10:00 - 11:55	113 SPL	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	101 SCH	G
Ch 104	4-0-5	Intermediate Organic Chemistry	01	Fu, G	TR 09:00 - 10:55	147 NYS	G
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C / Campbell, J	W 14:00 - 15:55 TR 11:00 - 11:55	152 BRN 147 NYS	
Ch 121A	3-0-6	Atomic-Level Simulations of Materials and Molecules	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch 125B	3-0-6	The Elements of Quantum Chemistry	01	Miller, T / Chan, G	MWF 13:00 - 13:55	151 CRL	
Ch/ChE 140A	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis, N	TR 13:00 - 14:25	216 NYS	
Ch 153A	3-0-6	Advanced Inorganic Chemistry	01	Gray, H / Winkler, J	F 10:00 - 11:55	115 BCK	
Ch 154A	3-0-6	Organometallic Chemistry	01	Peters, J	TR 13:00 - 14:25	147 NYS	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	

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CHEMISTRY							
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Jensen, G	TR 10:30 - 11:55	115 BCK	G
ESE/Ch 175	3-0-6	Physical Chemistry of Engineered Waters	01	Hoffmann, M	MWF 10:00 - 10:55	135 L+R	
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
			02	Gray, H	A	A	P
			03	Giapis, K	A	A	P
			04	Goddard, W	A	A	P
Ch 182	+	Senior Thesis Research <i>9 units per term</i>	01	Goddard, W	A	A	P
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	R 12:00 - 12:55	320 BRN	P
Ch 213B	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	G
Ch 242B	3-0-6	Chemical Synthesis	01	Reisman, S	MWF 10:00 - 10:55	147 NYS	
Ch 279	+	Rotations in Chemistry	01	Agapie, T	A	A	P
			02	Arnold, F	A	A	P
			03	Atwater, H	A	A	P
			04	Barton, J	A	A	P
			05	Beauchamp, J	A	A	P
			06	Bjorkman, P	A	A	P
			07	Blake, G	A	A	P
			08	Blanquart, G	A	A	P
			09	Campbell, J	A	A	P
			10	Chan, G	A	A	P
			11	Clemons, W	A	A	P
			12	Cushing, S	A	A	P
			13	Davis, M	A	A	P
			14	Dervan, P	A	A	P

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Ch 279	+	Rotations in Chemistry	15	Dougherty, D	A	A	P
			16	Elowitz, M	A	A	P
			17	Fu, G	A	A	P
			18	Goddard, W	A	A	P
			19	Gray, H	A	A	P
			20	Greer, J	A	A	P
			21	Grubbs, R	A	A	P
			22	Hadt, R	A	A	P
			23	Haile, S	A	A	P
			24	Hoelz, A	A	A	P
			25	Hoffmann, M	A	A	P
			26	Hsieh-Wilson, L	A	A	P
			27	Ismagilov, R	A	A	P
			28	Jensen, G	A	A	P
			29	Kornfield, J	A	A	P
			30	Lester, H	A	A	P
			31	Lewis, N	A	A	P
			32	Mayo, S	A	A	P
			33	Miller, T	A	A	P
			34	Newman, D	A	A	P
			35	Okumura, M	A	A	P
			36	Ondrus, A	A	A	P
			37	Peters, J	A	A	P
			38	Pierce, N	A	A	P
			39	Rees, D	A	A	P
			40	Reisman, S	A	A	P
			41	Robb, M	A	A	P
			42	Roberts, J	A	A	P
			43	See, K	A	A	P
			44	Seinfeld, J	A	A	P
			45	Shan, S	A	A	P
			46	Shapiro, M	A	A	P
			47	Sternberg, P	A	A	P

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

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

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CIVIL ENGINEERING							
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	135 GTL	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Hall, J	TR 09:00 - 10:25	135 GTL	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151B	3-0-6	Dynamics and Vibrations	01	Daraio, C	TR 13:00 - 14:25	115 GTL	G
CE 200	+	Advanced Work in Civil Engineering	01	Hall, J	A	A	P
Ae/AM/CE/ME 214A	3-5-1	Computational Solid Mechanics	01	Ortiz, M	MWF 09:00 - 09:55	384 FIR	
CE 300	+	Research in Civil Engineering	01	Asimaki, D	A	A	P
			02	Hall, J	A	A	P
			04	Heaton, T	A	A	P
			05	Lapusta, N	A	A	P
			06	Andrade, J	A	A	P
COMPUTATION & NEURAL SYS							
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	Institute Auditorium BCK	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>maximum enrollment: 20 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	128 BAX	G
Bi/CNS/NB 162	2-4-6	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 18 students</i>	01	Bremner, L	M 13:00 - 16:25	B160 CHR	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning	01	Anandkumar, A	TR 13:00 - 14:25	B270 MRE	

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COMPUTATION & NEURAL SYS							
CNS180	+	Research in Computation and Neural Systems	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Perona, P	A	A	P
			04	Fraser, S	A	A	P
			05	Oka, Y	A	A	P
			06	Hoffmann, M	A	A	P
			07	Allman, J	A	A	P
			08	Lester, H	A	A	P
			09	Hong, E	A	A	P
			10	Pachter, L	A	A	P
			11	Murray, R	A	A	P
			12	Allman, J	A	A	P
			13	Gradinaru, V	A	A	P
			14	Shimojo, S	A	A	P
			15	Tsao, D	A	A	P
			16	Wold, B	A	A	P
			17	Winfrey, E	A	A	P
			18	Rangel, A	A	A	P
			19	Siapas, A	A	A	P
			20	Prober, D	A	A	P
			21	Patterson, P	A	A	P
			22	Andersen, R	A	A	P
			23	Elowitz, M	A	A	P
			24	Anderson, D	A	A	P
			25	Adolphs, R	A	A	P
			26	Kennedy, M	A	A	P
			27	Quartz, S	A	A	P
			28	O'Doherty, J	A	A	P
			29	Camerer, C	A	A	P
			30	Meister, M	A	A	P
			31	Shapiro, M	A	A	P
			32	Yue, Y	A	A	P
			33	Thomson, M	A	A	P

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COMPUTATION & NEURAL SYS							
CNS180	+	Research in Computation and Neural Systems	34	Anandkumar, A	A	A	P
			35	Dickinson, M	A	A	P
			36	Rutishauser, U	A	A	P
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	B136 KRK	G
Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	101 KRK	
CNS/Bi/NB 247	2-0-4	Cerebral Cortex	01	Andersen, R	TR 13:00 - 13:55	330 BBB	
CNS/SS 251	2-1-6	Human Brain Mapping: Theory and Practice <i>Maximum enrollment: 20 students</i>	01	O'Doherty, J	R 13:30 - 15:25	B167 BRD	G
CNS280	+	Research in Computation and Neural Systems	01	Meister, M	A	A	P
			02	Elowitz, M	A	A	P
			03	Andersen, R	A	A	P
			04	Oka, Y	A	A	P
			05	Winfree, E	A	A	P
			06	Siapas, A	A	A	P
			07	Quartz, S	A	A	P
			08	Adolphs, R	A	A	P
			09	Murray, R	A	A	P
			10	Tsao, D	A	A	P
			11	Konishi, M	A	A	P
			12	Scherer, A	A	A	P
			13	Camerer, C	A	A	P
			14	Sternberg, P	A	A	P
			15	Perona, P	A	A	P
			16	Allman, J	A	A	P
			17	Gradinaru, V	A	A	P
			18	Pachter, L	A	A	P
			19	Bruck, J	A	A	P
			20	Burdick, J	A	A	P

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COMPUTATION & NEURAL SYS							
CNS280	+	Research in Computation and Neural Systems	21	Shimojo, S	A	A	P
			22	Lester, H	A	A	P
			23	Wold, B	A	A	P
			24	Dickinson, M	A	A	P
			25	Hoffmann, M	A	A	P
			26	Rangel, A	A	A	P
			28	O'Doherty, J	A	A	P
COMPUTER SCIENCE							
CS 002	2-6-1	Introduction to Programming Methods <i>maximum enrollment: 30 students per section</i>	01	Blank, A	MWF 14:00 - 14:55 R 12:00 - 12:55	Institute Auditorium BCK 104 ANB	P
			02	Blank, A	MWF 14:00 - 14:55 R 13:00 - 13:55	Institute Auditorium BCK 104 ANB	P
			03	Blank, A	MWF 14:00 - 14:55 R 14:00 - 14:55	Institute Auditorium BCK 104 ANB	P
			04	Blank, A	MWF 14:00 - 14:55 R 15:00 - 15:55	Institute Auditorium BCK 104 ANB	P
			05	Blank, A	MWF 14:00 - 14:55 R 16:00 - 16:55	Institute Auditorium BCK 104 ANB	P
			06	Blank, A	MWF 14:00 - 14:55 R 17:00 - 17:55	Institute Auditorium BCK 104 ANB	P
			07	Blank, A	MWF 14:00 - 14:55 R 18:00 - 18:55	Institute Auditorium BCK 104 ANB	P
CS 004	3-4-2	Fundamentals of Computer Programming <i>Class will meet in 102 Steele on 1/7/19 & 1/14/19</i>	01	Vanier, M	MWF 15:00 - 15:55	105 ANB	G
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 106B</i>	01	Durcik, P	MWF 13:00 - 13:55	387 LINDE	
EE/CS 010A	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	MW 15:00 - 15:55	B270 MRE	

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COMPUTER SCIENCE							
CS 011	0-3-0	Computer Language Lab <i>CS 1 or instructor's permission is required. // Sec 1: C, Sec 2: C++, Sec 3: Java, Sec 4: Javascript, Sec 5: Advanced C++, Sec 11: Special Topics, Sec 12: Projects</i>	01	Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
			02	Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			03	Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			04	Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
			05	Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			11	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			12	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
CS 019B	1-0-1	Introduction to Computer Science in Industry <i>closed to 1st and 2nd term freshmen for credit</i>	01	Ralph, C	R 12:00 - 12:55	105 ANB	P
CS 021	3-0-6	Decidability and Tractability <i>Class will meet in 102 Steele on 1/7/19 & 1/14/19</i>	01	Umans, C	MWF 13:00 - 13:55	105 ANB	G
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:00 - 16:55	B270 MRE	
CS/EE/ME 075B	+	Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2-9-1)</i>	01	Burdick, J	OM,M 19:30 - 20:25	135 GTL	
CS 080B	+	Undergraduate Thesis	01	Chandy, K	A	A	P
			02	Wierman, A	A	A	P
			03	Schroeder, P	A	A	P
			04	Winfree, E	A	A	P
			05	Barr, A	A	A	P
			06	Murray, R	A	A	P
			07	Vidick, T	A	A	P
			08	Yue, Y	A	A	P
			09	Perona, P	A	A	P
			10	Umans, C	A	A	P
			11	Schulman, L	A	A	P
			12	Desbrun, M	A	A	P
			13	Bruck, J	A	A	P
			14	Chung, S	A	A	P
			15	Virgil, S	A	A	P
			16	Katz, N	A	A	P

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

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COMPUTER SCIENCE							
CS 081B	+	Undergraduate Projects in Computer Science	31	Thomson, M	A	A	P
			32	Chung, S	A	A	P
			33	Thomson, M	A	A	P
			34	Blank, A	A	A	P
			35	Ames, A	A	A	P
			36	Bruck, J	A	A	P
			37	Rangel, A	A	A	P
CS 090	+	Undergraduate Reading in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Low, S	A	A	P
			04	Schroeder, P	A	A	P
			05	Winfrey, E	A	A	P
			06	Umans, C	A	A	P
			07	Desbrun, M	A	A	P
			08	Barr, A	A	A	P
			10	Perona, P	A	A	P
			11	Chandy, K	A	A	P
			13	Murray, R	A	A	P
			14	Wierman, A	A	A	P
			15	Vanier, M	A	A	P
			16	Yue, Y	A	A	P
			17	Ralph, C	A	A	P
18	Schulman, L	A	A	P			
CS 101B	2-0-7	Special Topics in Computer Science <i>units (0-9-0)</i>	01	Yue, Y	OM,M 10:00 - 10:55	107 ANB	
CS 102B	+	Seminar in Computer Science	01	Staff	A	A	
CS 103B	+	Reading in Computer Science <i>3 units - meets Fridays 9-11am in ANB 106 // class will meet in ANB 107 on 2/15/19</i>	01	Yue, Y	A	A	P
Ma/CS 106B	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 6b</i>	01	Durcik, P	MWF 13:00 - 13:55	387 LINDE	

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COMPUTER SCIENCE							
CS 111	0-3-0	Graduate Programming Practicum <i>Sec 1: C, Sec 2: C++, Sec 3: Java, Sec 4: Javascript, Sec 5: Advanced C++, Sec 11: Special Topics, Sec 12: Projects</i>	01	Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
			02	Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			03	Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			04	Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
			05	Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			11	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			12	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	B125 BAX	
Ma/CS 117B	3-0-6	Computability Theory	01	Panagiotopoulos, A	TR 13:00 - 14:25	387 LINDE	
CS 118	3-3-3	Logic Model Checking for Formal Software Verification	01	Holzmann, G	TR 13:00 - 14:25	106 ANB	
EE/CS 119B	3-3-3	Advanced Digital Systems Design	01	George, G	MW 13:00 - 14:25	B270 MRE	
CS/IDS 122	3-3-3	Database System Implementation <i>Class will meet in 102 Steele on 1/7/19 & 1/14/19</i>	01	Pinkston, D	MWF 11:00 - 11:55	105 ANB	
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 080 Moore 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	B280 MRE	G
EE/Ma/CS/IDS 127	3-0-6	Error-Correcting Codes	01	Kostina, V	TR 14:30 - 15:55	106 ANB	
ME/CS 133B	3-0-6	Robotics	01	Burdick, J	MWF 15:00 - 15:55	135 GTL	
CS/EE/ME 134	3-0-6	Autonomy	01	Ames, A / Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	MW 13:00 - 14:25	243 ANB	

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COMPUTER SCIENCE							
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Vidick, T	MW 10:00 - 11:25	213 ANB	
CS 141	0-0-9	Hack Society: Projects from the Public Sector	01	Ralph, C	T 13:00 - 14:25	107 ANB	
CMS/CS/EE/IDS 144	3-3-6	Networks: Structure & Economics	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
CS/SS/Ec 149	3-0-6	Algorithmic Economics	01	Echenique, F / Pomatto, L	MWF 10:00 - 10:55	127 BAX	G
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	Institute Auditorium BCK	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B270 MRE	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning	01	Anandkumar, A	TR 13:00 - 14:25	B270 MRE	
CS/ACM 177A	3-3-3	Discrete Differential Geometry: Theory and Applications	01	Schroeder, P	TR 10:30 - 11:55	314 ANB	
CS/IDS 178	3-3-3	Numerical Algorithms and their Implementation	01	Desbrun, M	TR 10:30 - 11:55	213 ANB	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			04	Chandy, K	A	A	P
			05	Desbrun, M	A	A	P
			06	Kitaev, A	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Yariv, A	A	A	P
			10	Barr, A	A	A	P
			11	Schroeder, P	A	A	P
			12	Wierman, A	A	A	P
			13	Winfree, E	A	A	P

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COMPUTER SCIENCE							
CS 180	+	Master's Thesis Research	14	Wold, B	A	A	P
			15	Krause, R	A	A	P
			17	Perona, P	A	A	P
			18	Ligett, K	A	A	P
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Thomson, M / Pachter, L	TR 10:30 - 11:55	119 KRK	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	B136 KRK	G
BE/CS 196A	3-6-3	Design and Construction of Programmable Molecular Systems	01	Qian, L	TR 13:00 - 15:55	108 KCK	
Ph/CS 219B	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	103 DWN	P
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			03	Barr, A	A	A	P
			04	Chandy, K	A	A	P
			05	Desbrun, M	A	A	P
			06	Cvitanic, J	A	A	P
			07	Winfree, E	A	A	P
			08	Low, S	A	A	P
			09	Martin, A	A	A	P
			10	Winfree, E	A	A	P
			11	Perona, P	A	A	P
			12	Schroeder, P	A	A	P
			13	Chandrasekaran, V	A	A	P
			14	Kitaev, A	A	A	P
			15	Wierman, A	A	A	P
			16	Ligett, K	A	A	P
			17	Doyle, J	A	A	P
			18	Murray, R	A	A	P
			19	Vidick, T	A	A	P

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COMPUTER SCIENCE							
CS 280	+	Research in Computer Science	20	Yue, Y	A	A	P
CS 286B	3-0-0	Seminar In Computer Science	01	Vidick, T	T 16:00 - 16:55	314 ANB	P
COMPUTING AND MATHEMATICAL SCIENCES							
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Vidick, T	MW 10:00 - 11:25	213 ANB	
CMS/CS/EE/IDS 144	3-3-6	Networks: Structure & Economics	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	Institute Auditorium BCK	
CMS270	+	Advanced Topics in Computing and Mathematical Sciences: Frontiers in Computing and Mathematical Sciences	03	Murray, R	A	A	
CMS290B	1-0-0	Computing and Mathematical Sciences Colloquium	01	Schroeder, P	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

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COMPUTING AND MATHEMATICAL SCIENCES							
CMS300	+	Research in Computing and Mathematical Sciences	15	Umans, C	A	A	P
			16	Winfree, E	A	A	P
			17	Yue, Y	A	A	P
			18	Chung, S	A	A	P
			19	Pachter, L	A	A	P
			20	Anandkumar, A	A	A	P
			21	Stuart, A	A	A	P
			22	Thomson, M	A	A	P
CONTROL & DYNAMICAL SYSTEMS							
CDS090B	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Doyle, J	A	A	G
CDS112	3-0-6	Optimal Control and Estimation	01	Chung, S	TR 14:30 - 15:55	133 GUG	
CDS190	+	Independent Work in Control and Dynamical Systems	01	Staff	A	A	P
CDS231	3-2-4	Robust Control Theory	01	Doyle, J	TR 13:00 - 14:25	213 ANB	
CDS232	3-0-6	Nonlinear Dynamics	01	Ames, A	MWF 11:00 - 12:25	135 GTL	
CDS270	+	Advanced Topics in Systems and Control: Introduction to Astrodynamics <i>class cancelled for winter term</i>	01	Staff	A	A	
CDS300B	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P
			02	Adolphs, R	A	A	P
			03	Doyle, J	A	A	P
			04	Owhadi, H	A	A	P
			05	Siapas, A	A	A	P
			06	Goentoro, L	A	A	P
			07	Dickinson, M	A	A	P
			08	Murray, R	A	A	P

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CONTROL & DYNAMICAL SYSTEMS							
CDS300B	+	Research in Control and Dynamical Systems	11	Elowitz, M	A	A	P
			12	Desbrun, M	A	A	P
			13	Ortiz, M	A	A	P
			14	Beck, J	A	A	P
			16	Ames, A	A	A	P
			17	Chung, S	A	A	P
ECONOMICS							
Ec 011	3-2-4	Introduction to Economics	01	Rangel, A	TR 13:00 - 14:25	Lecture Hall BAX	
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Echenique, F	A	A	P
Ec 098B	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	B125 BAX	
Ec 121B	3-0-6	Theory of Value <i>maximum enrollment: 15 students</i>	01	Echenique, F	MWF 14:00 - 14:55	228 BAX	
Ec/SS 124	3-0-6	Identification Problems in the Social Sciences <i>maximum enrollment: 30 students</i>	01	Sherman, R	TR 13:00 - 14:25	125 BAX	
Ec 136	3-0-6	Behavioral Decision Theory	01	Saito, K	MW 13:00 - 14:25	127 BAX	G
CS/SS/Ec 149	3-0-6	Algorithmic Economics	01	Echenique, F / Pomatto, L	MWF 10:00 - 10:55	127 BAX	G
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260// Completion of Ec/PS 160A required for b and c classes //Max of 10 students for both Ec 160 & SS 260</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
ECONOMICS							
Ec 181B	3-0-6	Convex Analysis and Economic Theory	01	Border, K	TR 14:30 - 15:55	125 BAX	G
ELECTRICAL ENGINEERING							
EE 002	1-0-0	Electrical Engineering Entrepreneurial and Research Seminar	01	Emami, A	W 12:00 - 12:55	B270 MRE	P
EE/CS 010A	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	MW 15:00 - 15:55	B270 MRE	
EE 045	3-3-6	Electronics Laboratory	01	Emami, A	TR 09:00 - 10:25	B270 MRE	
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:00 - 16:55	B270 MRE	
CS/EE/ME 075B	+	Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2-9-1)</i>	01	Burdick, J	OM,M 19:30 - 20:25	135 GTL	
EE 080B	+	Senior Thesis	01	Hajimiri, S	A	A	P
			02	Effros, M	A	A	P
			03	Doyle, J	A	A	P
			04	Tai, Y	A	A	P
			05	Hassibi, B	A	A	P
			06	Abbott, R	A	A	P
			07	George, G	A	A	P
			08	Emami, A	A	A	P
			09	Choo, H	A	A	P
EE 091B	+	Experimental Projects in Electronic Circuits <i>Units by arrangement; 12 units minimum each term.</i>	01	Megdal, B	OM,M 16:00 - 16:55	B280 MRE	
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Perona, P	A	A	P
			03	George, G	A	A	P
			04	Atwater, H	A	A	P

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ELECTRICAL ENGINEERING										
EE 099	+	Advanced Work in Electrical Engineering	05	Murray, R	A	A	P			
			06	Emami, A	A	A	P			
			07	Gharib, M	A	A	P			
			08	Low, S	A	A	P			
			09	Yang, C	A	A	P			
			10	Hajimiri, S	A	A	P			
			11	Burdick, J	A	A	P			
			12	Tai, Y	A	A	P			
			13	Yariv, A	A	A	P			
			14	Bruck, J	A	A	P			
			16	Hassibi, B	A	A	P			
			17	Wang, L	A	A	P			
			EE 105B	1-0-0	Electrical Engineering Seminar	01	Emami, A	A	A	P
			ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	105 ANB	
EE/MedE 114A	4-0-8	Analog Circuit Design	01	Hajimiri, S	TR 09:00 - 10:55	B280 MRE				
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	P			
EE/CS 119B	3-3-3	Advanced Digital Systems Design	01	George, G	MW 13:00 - 14:25	B270 MRE				
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 080 Moore 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	B280 MRE	G			
EE/Ma/CS/IDS 127	3-0-6	Error-Correcting Codes	01	Kostina, V	TR 14:30 - 15:55	106 ANB				
CS/EE/ME 134	3-0-6	Autonomy	01	Ames, A / Niemeyer, G	MWF 13:00 - 13:55	135 GTL				

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ELECTRICAL ENGINEERING							
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	MW 13:00 - 14:25	243 ANB	
CMS/CS/EE/IDS 144	3-3-6	Networks: Structure & Economics	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
EE 154A	2-3-4	Practical Electronics for Space Applications	01	Klesh, A	TR 16:00 - 16:55	B280 MRE	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	Institute Auditorium BCK	
EE/Ae 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Van Zyl, J	MW 14:30 - 15:55	B280 MRE	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B270 MRE	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning	01	Anandkumar, A	TR 13:00 - 14:25	B270 MRE	
MedE/EE/BE 168A	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 10:30 - 12:25	142 KCK	G
EE 291	+	Advanced Work in Electrical Engineering	01	Abu-Mostafa, Y	A	A	P
			02	Kostina, V	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Heath, J	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Vahala, K	A	A	P
			09	George, G	A	A	P
			10	Yeh, N	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hassibi, B	A	A	P
			13	Zmuidzinas, J	A	A	P
			14	Low, S	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	16	Atwater, H	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Gharib, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Choo, H	A	A	P
			22	Phillips, R	A	A	P
			23	Cvitanic, J	A	A	P
			24	Quartz, S	A	A	P
			26	Scherer, A	A	A	P
			27	Pellegrino, S	A	A	P
			28	Tai, Y	A	A	P
			29	Vaidyanathan, P	A	A	P
			30	Yariv, A	A	A	P
			31	Chandrasekaran, V	A	A	P
			32	Roukes, M	A	A	P
			33	Avouac, J	A	A	P
			34	Weinreb, S	A	A	P
			35	Hallinan, G	A	A	P
			36	Martin, A	A	A	P
			37	Yang, C	A	A	P
			38	Emami, A	A	A	P
			39	Painter, O	A	A	P
			40	Faraon, A	A	A	P
			41	Lahouti, F	A	A	P
			42	Minnich, A	A	A	P
			43	Rees, D	A	A	P
			44	Yue, Y	A	A	P
			45	Van Zyl, J	A	A	P
46	Shapiro, M	A	A	P			
47	Wang, L	A	A	P			
48	Tsao, D	A	A	P			
49	Marandi, A	A	A	P			

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ENERGY SCIENCE AND TECHNOLOGY							
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	MW 13:00 - 14:25	243 ANB	
ENGINEERING							
E 010	1-0-2	Technical Seminar Presentations <i>Maximum Enrollment: 18 students per section</i>	01	Javier, R	MWF 09:00 - 09:55	100 PWL/BTH	G
			02	Javier, R	MWF 10:00 - 10:55	100 PWL/BTH	G
			03	Javier, R	MWF 11:00 - 11:55	100 PWL/BTH	G
E 011	1-0-2	Written Technical Communication in Engineering and Applied Science <i>Limited to seniors in E&AS only // Maximum enrollment: 20 students per section</i>	01	Burkett, E	T 11:00 - 11:55	142 KCK	G
			02	Burkett, E	W 13:00 - 13:55	142 KCK	G
			03	Voong, L	R 13:00 - 13:55	142 KCK	G
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	TR 14:30 - 15:55	115 BCK	G
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>maximum enrollment: 20 students</i>	01	Weaver, J	W 10:00 - 11:55	360 CSS	P
ENGLISH							
Hum/En 020	3-0-6	Greek Epic and Drama <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	115 DAB	G
Hum/En 021	3-0-6	The Marvelous and the Monstrous: Literature at the Boundaries of the Real <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Jahner, J	TR 13:00 - 14:25	TR DAB	
Hum/En 022	3-0-6	Inequality <i>class cancelled</i>	01	Staff	A	A	G
			02	Staff	A	A	G
Hum/En 024	3-0-6	The Scientific Imagination in English Literature <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Gilmore, D	TR 14:30 - 15:55	117 DAB	
Hum/En 033	3-0-6	Modern Metamorphoses <i>Attendance at the first class meeting is required.</i>	01	Holland, J	TR 09:00 - 10:25	125 BAX	

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ENGLISH							
En 086	3-0-6	Fiction and Creative Nonfiction Writing <i>maximum enrollment: 12 students</i>	01	Gerber, M	R 19:30 - 22:25	128 BAX	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Gilmartin, K	A	A	P
En 099A	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01 02	Klement, L Haugen, K	A A	A A	G G
En 099B	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Gilmartin, K	A	A	G
En 107	3-0-6	Medieval Romance <i>maximum enrollment: 15 students</i>	01	Jahner, J	TR 10:30 - 11:55	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	117 DAB	G
En 142	3-0-6	Post-1945 American Literature and 'The Death of the Author' <i>maximum enrollment: 15 students</i>	01	Sherazi, M	T 19:00 - 21:55	125 BAX	G
En 150	3-0-6	Chaos and Literature <i>maximum enrollment: 15 students</i>	01	Holland, J	TR 13:00 - 14:25	127 BAX	
En/H 193	3-0-6	Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	128 BAX	
ENGLISH AS A SECOND LANGUAGE							
ESL101B	3-0-0	Oral Communication and Pronunciation	01	Ashleigh, S	MW 17:00 - 18:25	128 BAX	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01 02 03	Leadbetter, J Flagan, R Sessions, A	A A A	A A A	P P P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	04	Hoffmann, M	A	A	P
			05	Newman, D	A	A	P
			06	Thompson, A	A	A	P
			07	Bordoni, S	A	A	P
			08	Adkins, J	A	A	P
ESE100	+	Special Problems in Environmental Engineering Science <i>up to 12 units by arrangement</i>	01	Schneider, T	A	A	P
			02	Ingersoll, A	A	A	P
			03	Wennberg, P	A	A	P
			04	Hoffmann, M	A	A	P
			05	Adkins, J	A	A	P
			06	Leadbetter, J	A	A	P
			07	Bordoni, S	A	A	P
			08	Yung, Y	A	A	P
			09	Seinfeld, J	A	A	P
			10	Orphan, V	A	A	P
			11	Thompson, A	A	A	P
			12	Sessions, A	A	A	P
			14	Diallo, M	A	A	P
			ESE103	3-0-6	Earth's Biogeochemical Cycles	01	Frankenberg, C
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

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE106	+	Research in Environmental Science and Engineering	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
ESE110B	1-0-0	Seminar in Environmental Science and Engineering	01	Frankenberg, C	W 16:00 - 16:55	365 SMD	P
ESE131A	3-0-6	Physical Oceanography I	01	Callies, J	MWF 11:00 - 11:55	135 L+R	
ESE133	3-0-6	Global Atmospheric Circulations	01	Bordoni, S	TR 13:00 - 14:25	135 L+R	
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Ingersoll, A	TR 13:00 - 14:25	162 SMD	
Ge/ESE 154	+	Readings in Paleoclimate <i>meets Fridays 3-4pm in 136 L+R // 3 units</i>	01	Adkins, J	A	A	P
Ge/ESE 155	3-0-6	Paleoceanography	01	Adkins, J	MWF 13:00 - 13:55	135 L+R	
ESE/ChE 158	3-0-6	Aerosol Physics and Chemistry	01	Flagan, R	TR 14:30 - 15:55	102 SPL	
ESE/Bi 168	3-0-6	Microbial Metabolic Diversity	01	Newman, D	MWF 11:00 - 11:55	215 NMD	
ESE/Ch 175	3-0-6	Physical Chemistry of Engineered Waters	01	Hoffmann, M	MWF 10:00 - 10:55	135 L+R	
Ge/Bi/ESE 246	2-0-4	Molecular Geobiology Seminar	01	Orphan, V	OM,W 12:00 - 12:55	251 ARM	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE300	+	Thesis Research	01	Adkins, J	A	A	P
			02	Sessions, A	A	A	P
			03	Flagan, R	A	A	P
			04	Hoffmann, M	A	A	P
			05	Ingersoll, A	A	A	P
			06	Leadbetter, J	A	A	P
			07	Newman, D	A	A	P
			08	Bordoni, S	A	A	P
			09	Yung, Y	A	A	P
			10	Wennberg, P	A	A	P
			11	Schneider, T	A	A	P
			12	Seinfeld, J	A	A	P
			13	Eiler, J	A	A	P
			14	Orphan, V	A	A	P
			15	Okumura, M	A	A	P
			16	Thompson, A	A	A	P
			17	Fischer, W	A	A	P
			18	Callies, J	A	A	P
			19	Frankenberg, C	A	A	P
FRESHMAN SEMINARS							
FS/Ph 011B	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
GEOLOGY							
Ge 010	2-0-0	Frontiers in Geological and Planetary Sciences	01	Clayton, R	F 12:00 - 12:55	151 ARM	P
Ge 011B	3-3-3	Introduction to Earth and Planetary Sciences: Earth and the Biosphere <i>Field Trip Dates: TBD</i>	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55 W 19:00 - 21:55	251 ARM 251 ARM	
Ge 011D	3-0-6	Introduction to Earth and Planetary Sciences: Geophysics <i>taught concurrently with Ge 102 // tentative field</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	162 SMD	G

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GEOLOGY							
Ge 040	+	Special Problems for Undergraduates	01	Kirschvink, J	A	A	P
			02	Orphan, V	A	A	P
			03	Lamb, M	A	A	P
			04	Ingersoll, A	A	A	P
			05	Adkins, J	A	A	P
			06	Rossman, G	A	A	P
			07	Sessions, A	A	A	P
			08	Stevenson, D	A	A	P
			09	Yung, Y	A	A	P
			10	Jackson, J	A	A	P
			11	Fischer, W	A	A	P
			12	Tsai, V	A	A	P
			13	Brown, M	A	A	P
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	01	Rossman, G	A	A	P
			02	Kirschvink, J	A	A	P
			03	Grotzinger, J	A	A	P
			04	Orphan, V	A	A	P
			05	Stolper, E	A	A	P
			06	Stock, J	A	A	P
			07	Grotzinger, J	A	A	P
			08	Asimow, P	A	A	P
			09	Brown, M	A	A	P
			10	Fischer, W	A	A	P
			11	Eiler, J	A	A	P
			12	Ingersoll, A	A	A	P
			13	Sessions, A	A	A	P
			14	Leadbetter, J	A	A	P
			15	Lamb, M	A	A	P
			16	Adkins, J	A	A	P
			17	Simons, M	A	A	P
Ge 102	3-0-6	Introduction to Geophysics <i>taught concurrently with Ge 11D // tentative field trip dates: TBD</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	162 SMD	G

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GEOLOGY							
Ge 104	3-0-6	Introduction to Geobiology <i>taught concurrently with Ge 11b // Field Trip</i> <i>Dates: TBD</i>	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55 W 19:00 - 21:55	251 ARM 251 ARM	
Ge 106	3-0-6	Introduction to Structural Geology	01	Avouac, J	TWR 15:00 - 15:55	215 NMD	
Ge 109	+	Oral Presentation <i>Section 1: Geophysics // Section 2: Geochemistry</i> <i>// Section 3: Geobiology // Section 4: Planetary Science</i>	01 02 03 04	Tsai, V Rossman, G Sessions, A Knutson, H	T 12:00 - 12:55 A A A	254 SMD A A A	P P P P
Ge 111A	3-3-0	Applied Geophysics Seminar and Field Course <i>Field Trip dates: TBD</i>	01	Clayton, R / Simons, M	OM,R 09:00 - 10:25	162 SMD	G
Ge 115B	3-3-3	Petrology and Petrography: Metamorphic Petrology	01	Eiler, J	TR 10:30 - 11:55	251 ARM	
Ge 116	1-4-4	Analytical Techniques Laboratory <i>Ge 116 Lab: 4 hours per week, scheduling will vary over the quarter // Maximum enrollment: 12 students</i>	01	Asimow, P / Jackson, J / Rossman, G	T 12:00 - 12:55	267 ARM	G
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 14:00 - 14:55	162 SMD	
Ge 121B	0-9-3	Advanced Field Geology	01	Kirschvink, J	OM,M 15:00 - 15:55	251 ARM	G
Ge 122B	1-3-2	Field Geology Seminar	01	Stock, J	OM,M 15:30 - 15:55	251 ARM	P
Ge 123	2-0-4	Continental Crust Seminar	01	Bucholz, C	F 11:00 - 11:55	267 ARM	P
Ge 136B	1-0-2	Regional Field Geology of the Southwestern United States <i>Field Trip Dates: TBD</i>	01	Kirschvink, J	OM,M 09:00 - 09:55	251 ARM	P
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 13:00 - 13:55	176 SMD	

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GEOLOGY							
Ge 140A	3-0-6	Stable Isotope Geochemistry	01	Eiler, J	MWF 10:00 - 10:55	251 ARM	
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Ingersoll, A	TR 13:00 - 14:25	162 SMD	
Ge/ESE 154	+	Readings in Paleoclimate <i>meets Fridays 3-4pm in 136 L+R // 3 units</i>	01	Adkins, J	A	A	P
Ge/ESE 155	3-0-6	Paleoceanography	01	Adkins, J	MWF 13:00 - 13:55	135 L+R	
Ge/Ay 159	3-0-6	Astrobiology	01	Yung, Y	MWF 11:00 - 11:55	162 SMD	
Ge 162	3-0-6	Seismology	01	Zhan, Z	MWF 10:00 - 10:55	162 SMD	G
Ge 164	3-0-6	Mineral Physics	01	Jackson, J	TR 10:30 - 11:55	162 SMD	
Ge 193	1-0-2	Special Topics in Geophysics <i>Class will meet 1/14&15 from 9-12 and 1/18 from 9-4 in B102 BBB</i>	01	Gurnis, M / Jones, L	A	A	
Ge 217	3-0-3	Radiogenic Isotopes Seminar	01	Farley, K	T 10:00 - 10:55	267 ARM	P
Ge/Bi/ESE 246	2-0-4	Molecular Geobiology Seminar	01	Orphan, V	OM,W 12:00 - 12:55	251 ARM	P
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Eiler, J	A	A	P
			03	Clayton, R	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Grotzinger, J	A	A	P
			08	Stock, J	A	A	P
			09	Sessions, A	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	10	Avouac, J	A	A	P
			11	Gurnis, M	A	A	P
			12	Saleeby, J	A	A	P
			13	Helmberger, D	A	A	P
			14	Ingersoll, A	A	A	P
			15	Jackson, J	A	A	P
			16	Kirschvink, J	A	A	P
			17	Farley, K	A	A	P
			18	Newman, D	A	A	P
			19	Ampuero Saenz, J	A	A	P
			20	Fischer, W	A	A	P
			21	Lamb, M	A	A	P
			22	Rossman, G	A	A	P
			23	Schneider, T	A	A	P
			24	Bordoni, S	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Ehlmann, B	A	A	P
			28	Stolper, E	A	A	P
			29	Kulkarni, S	A	A	P
			30	Miller, T	A	A	P
			31	Batygin, K	A	A	P
			32	Wennberg, P	A	A	P
			33	Wernicke, B	A	A	P
			34	Aharonson, O	A	A	P
			35	Yung, Y	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Orphan, V	A	A	P
			39	Tsai, V	A	A	P
			40	Knutson, H	A	A	P
			41	Leadbetter, J	A	A	P
			42	Zhan, Z	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	43	Bucholz, C	A	A	P
			44	Leadbetter, J	A	A	P
			45	Tissot, F	A	A	P
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Ehlmann, B	A	A	P
			03	Avouac, J	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Clayton, R	A	A	P
			08	Eiler, J	A	A	P
			09	Farley, K	A	A	P
			10	Grotzinger, J	A	A	P
			11	Heaton, T	A	A	P
			12	Helmberger, D	A	A	P
			13	Gurnis, M	A	A	P
			14	Kirschvink, J	A	A	P
			15	Fischer, W	A	A	P
			16	Newman, D	A	A	P
			17	Orphan, V	A	A	P
			18	Knutson, H	A	A	P
			19	Rossmann, G	A	A	P
			20	Saleeby, J	A	A	P
			21	Lamb, M	A	A	P
			22	Schneider, T	A	A	P
			23	Sessions, A	A	A	P
			24	Bucholz, C	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Stock, J	A	A	P
			28	Stolper, E	A	A	P
			29	Leadbetter, J	A	A	P
			30	Zhan, Z	A	A	P

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GEOLOGY							
Ge 299	+	Thesis Research	31	Yung, Y	A	A	P
			32	Batygin, K	A	A	P
			33	Wennberg, P	A	A	P
			34	Wernicke, B	A	A	P
			35	Ampuero Saenz, J	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Jackson, J	A	A	P
			39	Ingersoll, A	A	A	P
			40	Tsai, V	A	A	P
			41	Bordoni, S	A	A	P
HISTORY							
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01	Hoffman, P	TR 14:30 - 15:55	128 BAX	
			02	Wey-Gomez, N	TR 09:00 - 10:25	117 DAB	
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	117 DAB	
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	TR 14:30 - 15:55	115 BCK	G
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Buchwald, J	A	A	P
H 099B	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01	Dennison, T	A	A	
			02	Hoffman, P	A	A	
			03	Brown, W	A	A	
			04	Gronningsater, S	A	A	
			05	Dykstra, M	A	A	
			06	Wey-Gomez, N	A	A	
			07	Kousser, J	A	A	

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HISTORY							
H 114	3-0-6	Mysticism and the Self <i>maximum enrollment: 20 students</i>	01	Motzkin, G	TR 14:30 - 15:55	B133 BAX	
H 137	3-0-6	Criminals, Outlaws, and Justice in a Thousand Years of Chinese History <i>maximum enrollment: 15 students</i>	01	Dykstra, M	T 19:00 - 21:55	128 BAX	
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	W 19:00 - 21:55	128 BAX	
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	127 BAX	G
HPS/H 166	3-0-6	Historical Perspectives on the Relations between Science and Religion <i>maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	TR DAB	
En/H 193	3-0-6	Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	128 BAX	
HISTORY AND PHILOSOPHY OF SCIENCE							
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	117 DAB	
HPS102B	2-0-10	Senior Research Seminar <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
HPS103	1-0-0	Public Lecture Series	01	Eberhardt, F	A	A	P
HPS/PI 122	3-0-6	Probability, Evidence, and Belief <i>maximum enrollment: 15 students</i>	01	Babic, B	R 19:00 - 21:55	TR DAB	
HPS/PI 138	3-0-6	Human Nature and Society <i>open by lottery; see link on the REGIS home</i>	01	Quartz, S	TR 13:00 - 14:25	B119 BAX	

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HISTORY AND PHILOSOPHY OF SCIENCE							
HPS/H 166	3-0-6	Historical Perspectives on the Relations between Science and Religion <i>maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	TR DAB	
HUMANITIES							
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01 02	Hoffman, P Wey-Gomez, N	TR 14:30 - 15:55 TR 09:00 - 10:25	128 BAX 117 DAB	
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	117 DAB	
Hum/En 020	3-0-6	Greek Epic and Drama <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	115 DAB	G
Hum/En 021	3-0-6	The Marvelous and the Monstrous: Literature at the Boundaries of the Real <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Jahner, J	TR 13:00 - 14:25	TR DAB	
Hum/En 022	3-0-6	Inequality <i>class cancelled</i>	01 02	Staff Staff	A A	A A	G G
Hum/En 024	3-0-6	The Scientific Imagination in English Literature <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Gilmore, D	TR 14:30 - 15:55	117 DAB	
Hum/En 033	3-0-6	Modern Metamorphoses <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Holland, J	TR 09:00 - 10:25	125 BAX	
Hum/P1 040	3-0-6	Right and Wrong <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01 02	Hay, R Hay, R	T 19:00 - 21:55 R 19:00 - 21:55	115 DAB 115 DAB	
Hum/P1 041	3-0-6	Knowledge and Reality <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01 02	Hitchcock, C Hitchcock, C	TR 09:00 - 10:25 TR 14:30 - 15:55	TR DAB TR DAB	

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HUMANITIES							
Hum/PI 043	3-0-6	Meaning in Life <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Quartz, S	TR 14:30 - 15:55	B119 BAX	
Hum105B	3-0-6	Topics in French Culture and Literature <i>maximum enrollment: 15 students between L 105b and Hum 105b</i>	01	Orcel, C	MW 16:00 - 16:55 F 13:00 - 13:55	128 BAX 128 BAX	
Hum114B	3-0-6	Spanish and Latin American Literature	01	Garcia, D	MW 19:00 - 20:25	115 DAB	
INFORMATION AND DATA SCIENCES							
IDS009	1-0-0	Introduction to Information and Data Systems Research	01	Ralph, C	R 12:00 - 12:55	105 ANB	P
ACM/IDS 101B	4-0-8	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	213 ANB	
CS/IDS 122	3-3-3	Database System Implementation <i>Class will meet in 102 Steele on 1/7/19 & 1/14/19</i>	01	Pinkston, D	MWF 11:00 - 11:55	105 ANB	
EE/Ma/CS/IDS 127	3-0-6	Error-Correcting Codes	01	Kostina, V	TR 14:30 - 15:55	106 ANB	
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Vidick, T	MW 10:00 - 11:25	213 ANB	
CMS/CS/EE/IDS 144	3-3-6	Networks: Structure & Economics	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	Institute Auditorium BCK	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B270 MRE	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning	01	Anandkumar, A	TR 13:00 - 14:25	B270 MRE	

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INFORMATION AND DATA SCIENCES							
CS/IDS 178	3-3-3	Numerical Algorithms and their Implementation	01	Desbrun, M	TR 10:30 - 11:55	213 ANB	
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Staff	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01	Staff	A	A	P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Staff	A	A	P
ACM/IDS 216	3-0-6	Markov Chains, Discrete Stochastic Processes and Applications	01	Owhadi, H	TR 09:00 - 10:25	105 ANB	
LANGUAGES							
L 102B	3-0-6	Elementary French <i>maximum enrollment: 15 students</i>	01	Orcel, C	TWR 12:00 - 12:55	117 DAB	G
L 103B	3-0-6	Intermediate French <i>maximum enrollment: 15 students</i>	01	Merrill, T	MF 19:00 - 19:55 W 12:00 - 12:55	125 BAX 125 BAX	
L 105B	3-0-6	Topics in French Culture and Literature <i>maximum enrollment: 15 students</i>	01	Orcel, C	MW 16:00 - 16:55 F 13:00 - 13:55	128 BAX 128 BAX	
L 106B	4-0-5	Elementary Japanese <i>maximum enrollment: 20 students per section</i>	01 02	Fujio, M Fujio, M	MTWR 15:00 - 15:55 MTWR 16:00 - 16:55	228 BAX 228 BAX	
L 107B	3-0-6	Intermediate Japanese <i>maximum enrollment: 20 students // Taught by Dr. Hirai</i>	01	Toner, R	MW 16:00 - 17:25	117 DAB	
L 108B	3-0-6	Advanced Japanese <i>maximum enrollment: 20 students // Taught by Dr. Hirai</i>	01	Toner, R	TR 16:00 - 17:25	127 BAX	
L 110B	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students per section</i>	01 02	Garcia, D Arjona, G	MWR 12:00 - 12:55 TR 16:30 - 17:55	128 BAX 117 DAB	

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LANGUAGES							
L 112B	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Arjona, G	TR 19:00 - 20:25	117 DAB	
L 114B	3-0-6	Spanish and Latin American Literature	01	Garcia, D	MW 19:00 - 20:25	115 DAB	
L 130B	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	115 DAB	
L 132B	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	115 DAB	
L 170B	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	TWR 12:00 - 12:55	B119 BAX	
L 171B	3-0-6	Elementary Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MTW 16:00 - 16:55	115 DAB	
L 172B	3-0-6	Intermediate Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	TR 09:00 - 10:25	128 BAX	
L 173B	3-0-6	Advanced Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MW 17:00 - 18:25	115 DAB	
LAW							
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	127 BAX	G
MATERIALS SCIENCE							
MS 078B	+	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	Minnich, A	A	A	P
			08	Ravichandran, G	A	A	P

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MATERIALS SCIENCE							
MS 078B	+	Senior Thesis	09	Fultz, B	A	A	P
			10	Rossman, G	A	A	P
			11	Faber, K	A	A	P
MS 078C	+	Senior Thesis	01	Ravichandran, G	A	A	P
MS 100	+	Advanced Work in Materials Science	01	Haile, S	A	A	P
			02	Fultz, B	A	A	P
			03	Snyder, G	A	A	P
			04	Davis, M	A	A	P
			07	Johnson, W	A	A	P
			08	Minnich, A	A	A	P
			09	Greer, J	A	A	P
MS 110B	1-0-0	Materials Research Lectures	01	Faber, K	W 16:00 - 16:55	106 SPL	P
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
MS 121	1-4-4	Laboratory Research Methods in Materials Science	01	Ahn, C	T 13:00 - 13:55	111 KCK	
MS 131	3-0-6	Structure and Bonding in Materials	01	Bernardi, M	TR 14:30 - 15:55	111 KCK	
MS 150B	3-0-6	Topics in Materials Science: Fundamentals of Sustainability Science and Engineering <i>class cancelled</i>	01	Staff	A	A	
MS 200	+	Advanced Work in Materials Science	01	Ortiz, M	A	A	P
			02	Snyder, G	A	A	P
			03	Atwater, H	A	A	P
			04	Minnich, A	A	A	P
			05	Fultz, B	A	A	P
			06	Goddard, W	A	A	P
			07	Haile, S	A	A	P
			08	Johnson, W	A	A	P

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MATERIALS SCIENCE							
MS 200	+	Advanced Work in Materials Science	09	Blake, G	A	A	P
			10	Greer, J	A	A	P
			11	Heath, J	A	A	P
			12	Daraio, C	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Faber, K	A	A	P
			16	Kochmann, D	A	A	P
			17	Bernardi, M	A	A	P
			18	Rees, D	A	A	P
			19	Yeh, N	A	A	P
20	Ahn, C	A	A	P			
MS 300	+	Thesis Research	01	Atwater, H	A	A	P
			02	Ortiz, M	A	A	P
			03	Rosakis, A	A	A	P
			04	Fultz, B	A	A	P
			05	Goddard, W	A	A	P
			06	Haile, S	A	A	P
			07	Johnson, W	A	A	P
			09	Greer, J	A	A	P
			10	Snyder, G	A	A	P
			11	Cross, M	A	A	P
			12	Heath, J	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Faber, K	A	A	P
			16	Minnich, A	A	A	P
			17	Bernardi, M	A	A	P
			MATHEMATICS				
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1-4 Practical Track -- Sections 5-7</i>	01	Kechris, A	MWF 10:00 - 10:55 R 09:00 - 09:55	119 KRK 119 DWN	P
			02	Kechris, A	MWF 10:00 - 10:55	119 KRK	P

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MATHEMATICS							
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1-4 Practical Track -- Sections 5-7 Analytical Track</i>	02	Kechris, A	R 10:00 - 10:55	119 DWN	P
			03	Kechris, A	MWF 10:00 - 10:55	119 KRK	P
					R 13:00 - 13:55	107 DWN	
			04	Kechris, A	MWF 10:00 - 10:55	119 KRK	P
					R 14:00 - 14:55	B111 DWN	
			05	Rains, E	MWF 10:00 - 10:55	310 LINDE	P
					R 10:00 - 10:55	B111 DWN	
			06	Rains, E	MWF 10:00 - 10:55	310 LINDE	P
		R 13:00 - 13:55	B127 GCL				
			07	Rains, E	MWF 10:00 - 10:55	310 LINDE	P
					R 14:00 - 14:55	119 DWN	
Ma 001D	2-0-2	Series	01	Mantovan, E	TR 09:00 - 09:55	387 LINDE	
Ma 003	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 103 // class meets in 201 BRG on 2/22/19</i>	01	Border, K	MWF 10:00 - 10:55	Lecture Hall BAX	G
					R 09:00 - 09:55	310 LINDE	
			02	Border, K	MWF 10:00 - 10:55	Lecture Hall BAX	G
					R 10:30 - 11:25	310 LINDE	
			03	Border, K	MWF 10:00 - 10:55	Lecture Hall BAX	G
		R 13:00 - 13:55	310 LINDE				
			04	Border, K	MWF 10:00 - 10:55	Lecture Hall BAX	G
					R 14:30 - 15:25	310 LINDE	
Ma 005B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105b</i>	01	Mantovan, E	MWF 09:00 - 09:55	387 LINDE	
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 106B</i>	01	Durcik, P	MWF 13:00 - 13:55	387 LINDE	
Ma 013	2-0-0	Problem Solving in Vector Calculus	01	Mantovan, E	TR 19:30 - 20:55	310 LINDE	P
Ma 092B	+	Senior Thesis	01	Graber, T	A	A	P
Ma 098	+	Independent Reading	01	Graber, T	A	A	P
			02	Panagiotopoulos, A	A	A	P

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MATHEMATICS							
Ma 103	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 3 // class meets in 201 BRG on 2/22/19</i>	01	Border, K	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 310 LINDE	G
Ma 105B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5b</i>	01	Mantovan, E	MWF 09:00 - 09:55	387 LINDE	
Ma/CS 106B	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 6b</i>	01	Durcik, P	MWF 13:00 - 13:55	387 LINDE	
Ma 108B	3-0-6	Classical Analysis	01	Durcik, P	MWF 11:00 - 11:55	310 LINDE	
Ma 109B	3-0-6	Introduction to Geometry and Topology	01	Chen, L	MWF 13:00 - 13:55	310 LINDE	
Ma 110B	3-0-6	Analysis	01	Makarov, N	MWF 11:00 - 11:55	255 LINDE	
Ma 111A	3-0-6	Topics in Analysis	01	Ivrii, O	MWF 12:00 - 12:55	187 LINDE	
Ma/CS 117B	3-0-6	Computability Theory	01	Panagiotopoulos, A	TR 13:00 - 14:25	387 LINDE	
Ma 120B	3-0-6	Abstract Algebra	01	Zhu, X	MWF 09:00 - 09:55	255 LINDE	
Ma 121B	3-0-6	Combinatorial Analysis	01	Katz, N	TR 13:00 - 14:25	255 LINDE	
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 080 Moore 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	B280 MRE	G
EE/Ma/CS/IDS 127	3-0-6	Error-Correcting Codes	01	Kostina, V	TR 14:30 - 15:55	106 ANB	
Ma 128	3-0-6	Homological Algebra	01	Qi, Y	MWF 14:00 - 14:55	387 LINDE	

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MATHEMATICS							
Ma 130B	3-0-6	Algebraic Geometry	01	Xu, D	MWF 13:00 - 13:55	255 LINDE	
Ma 132A	3-0-6	Topics in Algebraic Geometry	01	Graber, T	TR 14:30 - 15:55	255 LINDE	
Ma 145B	3-0-6	Representation Theory	01	Rains, E	MWF 11:00 - 11:55	387 LINDE	
Ma 147B	3-0-6	Dynamical Systems	01	Lazebnik, K	MWF 14:00 - 14:55	187 LINDE	
Ma 148	3-0-6	Topics in Mathematical Physics	01	Parikh, S	TR 09:00 - 10:25	255 LINDE	P
Ma 151B	3-0-6	Algebraic and Differential Topology	01	Qi, Y	MWF 10:00 - 10:55	255 LINDE	
Ma 157A	3-0-6	Riemannian Geometry	01	Smillie, P	MWF 13:00 - 13:55	187 LINDE	
Ma 160B	3-0-6	Number Theory	01	Campbell, C	MWF 15:00 - 15:55	387 LINDE	
Ma 191B	3-0-6	Selected Topics in Mathematics	01	Ni, Y	TR 10:30 - 11:55	289 LINDE	
		<i>Sec 1: The topology of smooth 4-manifolds //</i>	02	Burungale, A	TR 10:30 - 11:55	387 LINDE	
		<i>Sec 2: On the BSD conjecture and recent</i>	03	Flach, M	TR 13:00 - 14:25	289 LINDE	
		<i>developments //Sec 3: Algebraic K-theory (pass-</i>	04	Radziwill, M	TR 14:30 - 15:55	187 LINDE	
		<i>fail only)// Sec 4: Topics in analytic number</i>	05	Zhu, X	WF 10:30 - 11:55	289 LINDE	
		<i>theory // Sec 5: Topics in arithmetic geometry</i>					
SS/Ma 214	3-0-6	Mathematical Finance	01	Cvitanic, J	TR 17:00 - 18:25	125 BAX	
Ma 290	+	Reading	01	Cvitanic, J	A	A	P
			02	Flach, M	A	A	P
			03	Frank, R	A	A	P
			04	Graber, T	A	A	P
			05	Gukov, S	A	A	P
			06	Isett, P	A	A	P

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MATHEMATICS										
Ma 290	+	Reading	07	Katz, N	A	A	P			
			08	Kechris, A	A	A	P			
			09	Makarov, N	A	A	P			
			10	Mantovan, E	A	A	P			
			11	Marculli, M	A	A	P			
			12	Markovic, V	A	A	P			
			13	Ni, Y	A	A	P			
			14	Owhadi, H	A	A	P			
			15	Radziwill, M	A	A	P			
			16	Rains, E	A	A	P			
			17	Ramakrishnan, D	A	A	P			
			18	Tamuz, O	A	A	P			
			19	Zhu, X	A	A	P			
			Ma 390	+	Research	01	Cvitanić, J	A	A	P
						02	Flach, M	A	A	P
						03	Frank, R	A	A	P
						04	Graber, T	A	A	P
						05	Gukov, S	A	A	P
						06	Isett, P	A	A	P
07	Katz, N	A				A	P			
08	Kechris, A	A				A	P			
09	Makarov, N	A				A	P			
10	Mantovan, E	A				A	P			
11	Marculli, M	A				A	P			
12	Markovic, V	A				A	P			
13	Ni, Y	A				A	P			
14	Rains, E	A				A	P			
15	Radziwill, M	A				A	P			
16	Rains, E	A				A	P			
17	Ramakrishnan, D	A				A	P			
18	Tamuz, O	A				A	P			
19	Zhu, X	A				A	P			

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MECHANICAL ENGINEERING							
ME 011B	3-0-6	Thermal Science	01	Hunt, M	MWF 14:00 - 14:55	135 GTL	G
ME 012B	3-0-6	Mechanics	01	Asimaki, D	TR 13:00 - 14:25	135 GTL	G
ME 013	0-4-0	Mechanical Prototyping <i>maximum enrollment of 25 students between ME 13/113</i>	01	Dominguez, B / Van Deusen, J	OM,M 18:00 - 18:55	B224 SPL	P
ME 050A	0-6-3	Experiments and Modeling in Mechanical Engineering	01	Mello, M	MWF 11:00 - 11:55	115 GTL	G
ME 072B	1-8-0	Engineering Design Laboratory	01	Mello, M / Van Deusen, J	TR 15:00 - 16:25	115 GTL	G
CS/EE/ME 075B	+	Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2- 9-1)</i>	01	Burdick, J	OM,M 19:30 - 20:25	135 GTL	
ME 090B	0-9-0	Senior Thesis, Experimental	01	Minnich, A	A	A	G
ME 100	+	Independent Studies in Mechanical Engineering	01	Colonius, T	A	A	P
			02	Burdick, J	A	A	P
			03	Scherer, A	A	A	P
			04	Phillips, R	A	A	P
			05	Ames, A	A	A	P
			06	Pickar, K	A	A	P
			07	Tai, Y	A	A	P
			08	Hunt, M	A	A	P
			09	Minnich, A	A	A	P
			10	Rutledge, D	A	A	P
			11	Blanquart, G	A	A	P
			12	Perona, P	A	A	P
			13	Doyle, J	A	A	P
			14	Daraio, C	A	A	P
			15	Hall, J	A	A	P

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MECHANICAL ENGINEERING							
ME 100	+	Independent Studies in Mechanical Engineering	16	Murray, R	A	A	P
			17	McKeon, B	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	135 GTL	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Hall, J	TR 09:00 - 10:25	135 GTL	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Shepherd, J	A	A	
			02	Scherer, A	A	A	
			03	Ravichandran, G	A	A	
			04	Burdick, J	A	A	
ME 113	0-4-0	Mechanical Prototyping <i>maximum enrollment of 25 students between ME 13/113</i>	01	Dominguez, B / Van Deusen, J	OM,M 18:00 - 18:55	B224 SPL	P
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
Ae/ME 120A	3-0-6	Combustion Fundamentals	01	Blanquart, G	MWF 14:00 - 14:55	115 GTL	
ME/CS 133B	3-0-6	Robotics	01	Burdick, J	MWF 15:00 - 15:55	135 GTL	
CS/EE/ME 134	3-0-6	Autonomy	01	Ames, A / Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/ME 165	3-0-6	Finite Elasticity	01	Bhattacharya, K	TR 14:30 - 15:55	135 GTL	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Ravichandran, G	A	A	P
			05	Brady, J	A	A	P

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MECHANICAL ENGINEERING							
Ae/AM/CE/ME 214A	3-5-1	Computational Solid Mechanics	01	Ortiz, M	MWF 09:00 - 09:55	384 FIR	
Ae/AM/ME 223	3-0-6	Plasticity <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Meiron, D	TR 10:30 - 11:55	232 GUG	
ME 300	+	Research in Mechanical Engineering	01	Blanquart, G	A	A	P
			02	Fultz, B	A	A	P
			03	Burdick, J	A	A	P
			04	Colonus, T	A	A	P
			05	Adkins, J	A	A	P
			06	Hunt, M	A	A	P
			07	Murray, R	A	A	P
			08	Lewis, N	A	A	P
			09	Bhattacharya, K	A	A	P
			10	Shepherd, J	A	A	P
			11	Andrade, J	A	A	P
			12	Bellan, P	A	A	P
			13	Leonard, A	A	A	P
			14	Ortiz, M	A	A	P
			15	Haile, S	A	A	P
			16	Greer, J	A	A	P
			17	Lapusta, N	A	A	P
			18	Gharib, M	A	A	P
			19	Troian, S	A	A	P
			20	Brady, J	A	A	P
			21	Daraio, C	A	A	P
			22	Dickinson, M	A	A	P
			23	Ravichandran, G	A	A	P
			24	Atwater, H	A	A	P
			25	Adkins, J	A	A	P
			26	Kochmann, D	A	A	P

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	27	McKeon, B	A	A	P
			28	Hoffmann, M	A	A	P
			29	Asimaki, D	A	A	P
			30	Minnich, A	A	A	P
			31	van de Walle, A	A	A	P
			32	Scherer, A	A	A	P
			33	Ames, A	A	A	P
			34	Pellegrino, S	A	A	P
			35	Heath, J	A	A	P
			36	Heaton, T	A	A	P
			37	Schneider, T	A	A	P
MEDICAL ENGINEERING							
MedE 099	+	Undergraduate Research in Medical Engineering	01	Petrasek, D	A	A	P
			02	Shapiro, M	A	A	P
			03	Tai, Y	A	A	P
			04	Gao, W	A	A	P
			05	Pickar, K	A	A	P
			06	Wang, L	A	A	P
MedE 100B	1-0-0	Medical Engineering Seminar	01	Tai, Y / Gao, W	R 16:00 - 16:55	105 ANB	P
ChE/BE/MedE 112	3-0-6	Design, Invention, and Fundamentals of Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	102 SPL	
EE/MedE 114A	4-0-8	Analog Circuit Design	01	Hajimiri, S	TR 09:00 - 10:55	B280 MRE	
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
MedE/EE/BE 168A	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 10:30 - 12:25	142 KCK	G

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MEDICAL ENGINEERING							
ChE/BE/MedE 188	3-0-6	Molecular Imaging	01	Shapiro, M	W 19:00 - 21:55	113 SPL	
MedE 201A	3-0-6	Principles and Design of Medical Devices	01	Gao, W / Tai, Y	MW 13:00 - 14:25	B280 MRE	G
MedE 202	3-0-6	Sensors in Medicine	01	Gao, W	MW 09:00 - 10:25	B270 MRE	G
MedE/BE/Ae 243	3-0-6	Biological Flows: Transport and Circulatory Systems	01	Roh, C	MW 15:00 - 16:25	232 GUG	
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	A	A	P
			03	Gao, W	A	A	P
			04	Emami, A	A	A	P
			05	Faraon, A	A	A	P
			06	Gharib, M	A	A	P
			07	Greer, J	A	A	P
			08	Hajimiri, S	A	A	P
			09	Scherer, A	A	A	P
			10	Tai, Y	A	A	P
			11	Yang, C	A	A	P
			12	Chandy, K	A	A	P
			13	Pickar, K	A	A	P
			14	Colonius, T	A	A	P
			15	Grubbs, R	A	A	P
			16	Ismagilov, R	A	A	P
			17	Shapiro, M	A	A	P
			18	Wang, L	A	A	P
			19	Pachter, L	A	A	P
			20	Gradinaru, V	A	A	P
			21	Daraio, C	A	A	P
			22	Kornfield, J	A	A	P

MUSIC

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MUSIC							
Mu 058	3-0-6	Harmony I <i>maximum enrollment: 20 students</i>	01	Neenan, T	TR 10:30 - 11:55	B133 BAX	
Mu 138	3-0-6	History II: Music History from 1750 to 1850 <i>maximum enrollment: 20 students</i>	01	Neenan, T	TR 13:00 - 14:25	B133 BAX	
NEUROBIOLOGY							
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	B136 KRK	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>maximum enrollment: 20 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	128 BAX	G
Bi/CNS/NB 162	2-4-6	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 18 students</i>	01	Bremner, L	M 13:00 - 16:25	B160 CHR	
Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	101 KRK	
CNS/Bi/NB 247	2-0-4	Cerebral Cortex	01	Andersen, R	TR 13:00 - 13:55	330 BBB	
PERFORMING AND VISUAL ARTS							
PVA030B	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	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
PVA031B	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano four-hands // Sec 3: Guitar Ensemble</i>	01	Jasper White, M	OM,A	A	P
			02	Ward, R	OM,A	A	P
			03	Elgart, M	OM,A	A	P
PVA032B	0-3-0	Symphony Orchestra	01	Gross, A	T 19:30 - 22:15	A	P
PVA033B	0-3-0	Wind Orchestra	01	Price, G	R 19:30 - 21:45	Ramo Auditorium BAX	P
PVA034B	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	M 19:30 - 21:15	Ramo Auditorium BAX	P

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PERFORMING AND VISUAL ARTS							
PVA034B	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	M 21:30 - 22:55	Ramo Auditorium BAX	P
PVA035B	0-3-0	Glee Club	01	Sulahian, N	M 19:30 - 21:25 W 17:00 - 17:55	Basement BCK Basement BCK	P
PVA037B	0-3-0	Chamber Singers	01	Sulahian, N	A	A	P
PVA040B	2-0-1	Theater Production	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA041B	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA042B	2-0-1	Improvisation for Scientists	01	Brophy, B	W 20:30 - 21:55	Ramo Auditorium BAX	P
PVA061B	0-3-0	Silkscreen and Silk Painting	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PVA062B	0-3-0	Drawing and Painting	01	Barry, J	T 19:00 - 21:55	Garage TCT	P
PVA063B	0-3-0	Ceramics <i>maximum enrollment: 15 students</i>	01	Plunkett, L	W 19:00 - 21:55 F 19:00 - 21:55	Ceramic Room POLY Ceramic Room POLY	P
PHILOSOPHY							
Hum/Pl 040	3-0-6	Right and Wrong <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01 02	Hay, R Hay, R	T 19:00 - 21:55 R 19:00 - 21:55	115 DAB 115 DAB	
Hum/Pl 041	3-0-6	Knowledge and Reality <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01 02	Hitchcock, C Hitchcock, C	TR 09:00 - 10:25 TR 14:30 - 15:55	TR DAB TR DAB	
Hum/Pl 043	3-0-6	Meaning in Life <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Quartz, S	TR 14:30 - 15:55	B119 BAX	

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PHILOSOPHY							
PI 090B	1-0-8	Senior Thesis	01	Quartz, S	A	A	
		<i>Instructor permission required prior to registering</i>	02	Eberhardt, F	A	A	
			03	Sebens, C	A	A	
PI 098	+	Reading in Philosophy	01	Eberhardt, F	A	A	P
HPS/PI 122	3-0-6	Probability, Evidence, and Belief <i>maximum enrollment: 15 students</i>	01	Babic, B	R 19:00 - 21:55	TR DAB	
HPS/PI 138	3-0-6	Human Nature and Society <i>open by lottery; see link on the REGIS home page to enter by Nov 21st // maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	B119 BAX	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>maximum enrollment: 20 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	128 BAX	G
PHYSICAL EDUCATION							
PE 001	3-0-0	Student Designed Fitness	01	Houck, T	MW 09:00 - 10:25	BAC	P
PE 002	3-0-0	Healthier Living	01	Alway, S	TR 09:00 - 22:25	BAC	P
PE 003	3-0-0	Hiking	01	Bonafede, J / Raphelson, B	F 09:00 - 12:55	BAC	P
PE 006	3-0-0	Core Training, Beginning/Intermediate	01	Morgan, H	MW 09:00 - 10:25	BAC	P
PE 007	3-0-0	Speed and Agility Training, Intermediate/Advanced	01	Murray, P	TR 10:30 - 11:55	BAC	P
PE 008	3-0-0	Fitness Training, Beginning	01	Reyes, B	MW 10:00 - 11:25	BAC	P
PE 010	3-0-0	Aerobic Dance <i>class cancelled</i>	01	Staff	A	A	P

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PHYSICAL EDUCATION							
PE 024	3-0-0	Yoga, Beginning	01	Alvarado-Orozco, J	MW 10:00 - 11:25	BAC	P
PE 030	3-0-0	Golf, Beginning and Intermediate	01	Becker, M	MW 10:00 - 11:25	NOF BAC	P
PE 036	3-0-0	Swimming, Beginning/Intermediate <i>Intermediate swimmers only, those who can swim 50 yards continuously already</i>	01	Brabson, A	MW 13:00 - 14:25	Pool BRW	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate	01	Gardner, T	TR 10:30 - 11:55	BAC	P
PE 056	3-0-0	Squash, Beginning, Intermediate, Advanced	01	Bresanello, S	MW 09:00 - 10:25	BAC	P
PE 060	3-0-0	Tennis, Beginning and Intermediate	01	Cohen, J	MW 10:00 - 11:25	TCT BAC	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate <i>Section 1: beginning, for students who are new to the weight room and strength training // Section 2: for students with some experience lifting, ready for a tougher workout and advanced techniques</i>	01 02	Whitehead, K Eslinger, O	MW 13:00 - 14:25 TR 09:00 - 10:25	BAC BAC	P P
PE 081	3-0-0	Bouldering	01	Murphy, T	TR 10:30 - 11:55	BRW	P
PE 082	3-0-0	Rock Climbing, Beginning and Intermediate	01	Murphy, T	TR 13:00 - 14:25	BRW	P
PE 084	3-0-0	Table Tennis, Beginning, Intermediate, and Advanced	01	Gamble, M	MW 13:00 - 14:25	BRW	P
PE 085A	3-0-0	Intercollegiate Track and Field Teams	01	Raphelson, B	MTWRFS 16:00 - 17:55	BAC	P
PE 087B	3-0-0	Intercollegiate Swimming and Diving Teams	01	Brabson, A	MTWRFS 16:00 - 17:55	POOL BRN	P

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PHYSICAL EDUCATION							
PE 089B	3-0-0	Intercollegiate Fencing Teams	01	Corbit, C	MTWRFS 16:00 - 17:55	BRW	P
PE 090B	3-0-0	Intercollegiate Water Polo Teams	01	Bonafede, J	MTWRFS 16:00 - 17:55	POOL BAC	P
PE 091B	3-0-0	Intercollegiate Basketball Teams	01	Reyes, B / Eslinger, O	MTWRFS 16:00 - 17:55	BAC	P
PE 093A	3-0-0	Intercollegiate Baseball Team	01	Mark, M	MTWRFS 16:00 - 17:55	BAC	P
PE 095A	3-0-0	Intercollegiate Tennis Teams	01	Gamble, M / Cohen, J	MTWRFS 16:00 - 17:55	TCT BAC	P
PHYSICS							
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	01	Refael, G	F 15:00 - 15:55	201 BRG	P
					MWR 13:00 - 13:55	119 DWN	
			02	Refael, G	F 15:00 - 15:55	201 BRG	P
					MWR 13:00 - 13:55	103 DWN	
			03	Refael, G	F 15:00 - 15:55	201 BRG	P
					MWR 15:00 - 15:55	B111 DWN	
			04	Refael, G	F 15:00 - 15:55	201 BRG	P
					MWR 15:00 - 15:55	119 KRK	
			05	Refael, G	F 15:00 - 15:55	201 BRG	P
					MWR 15:00 - 15:55	B127 GCL	
			06	Hsieh, D	WF 11:00 - 11:55	201 BRG	P
					MR 15:00 - 15:55	151 CRL	
			07	Hsieh, D	WF 11:00 - 11:55	201 BRG	P
					MR 13:00 - 13:55	269 LAU	
			08	Hsieh, D	WF 11:00 - 11:55	201 BRG	P
					MR 15:00 - 15:55	B122 GCL	
			09	Hsieh, D	WF 11:00 - 11:55	201 BRG	P
					MR 13:00 - 13:55	155 ARM	
			10	Hsieh, D	WF 11:00 - 11:55	201 BRG	P
					MR 15:00 - 15:55	119 DWN	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
PHYSICS							
Ph 002B	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section // section 1 cancelled</i>	01	Staff	A	A	G
			02	Cheung, C	TR 11:00 - 11:55	201 BRG	G
					WF 11:00 - 11:55	B111 DWN	
			03	Cheung, C	TR 11:00 - 11:55	201 BRG	G
			04	Cheung, C	WF 13:00 - 13:55	269 LAU	
				TR 11:00 - 11:55	201 BRG	G	
				WF 15:00 - 15:55	107 DWN		
Ph 003	0-3-3	Introductory Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	OM,M 13:00 - 13:55	201 BRG	
					W 13:00 - 15:55	308 BRG	
			02	Black, E / Libbrecht, K	OM,M 13:00 - 13:55	201 BRG	
				R 13:00 - 15:55	308 BRG		
03	Black, E / Libbrecht, K	OM,M 13:00 - 13:55	201 BRG				
				F 13:00 - 15:55	308 BRG		
Ph 006	0-9-0	Physics Laboratory	01	Rice, F / Politzer, H	OM,T 15:00 - 15:55	201 BRG	
Ph 008B	0-3-0	Experiments in Electromagnetism <i>Maximum enrollment: 13 students</i>	01	Spiropulu, M	OM,M 15:00 - 15:55	201 BRG	P
FS/Ph 011B	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
Ph 012B	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Filippone, B	TR 10:30 - 11:55	269 LAU	G
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	304 BRG	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	304 BRG	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	304 BRG	P
Ph 050B	1-0-3	Caltech Physics League	01	Patterson, R / Refael, G	A	A	

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PHYSICS							
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 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 078B	+	Senior Thesis Experimental	01	Stone, E	A	A	P
Ph 079B	+	Senior Thesis Theoretical	01	Stone, E	A	A	P
Ph 106B	4-0-5	Topics in Classical Physics	01	Chen, Y / Golwala, S	TR 10:30 - 11:55	107 DWN	
APh/Ph 115	3-0-9	Physics of Momentum Transport in Hydrodynamic Systems <i>Supplementary lectures and instructional movies on Fridays 1-2:25pm in 104 WAT</i>	01	Troian, S	TR 13:00 - 14:25 F 13:00 - 14:25	104 WAT 104 WAT	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	P
Ph 121B	0-6-0	Computational Physics Lab	01	Simmons-Duffin, D	OM,T 10:30 - 11:25 T 10:30 - 11:25	304 BRG 304 BRG	P
			02	Simmons-Duffin, D	OM,T 10:30 - 11:25 R 10:30 - 11:25	304 BRG 304 BRG	P
Ph 125B	4-0-5	Quantum Mechanics	01	Wise, M	MWF 10:00 - 10:55	107 DWN	
Ph 127B	4-0-5	Statistical Physics	01	Motrunich, O	MW 13:00 - 14:25	107 DWN	
Ph 129B	4-0-5	Mathematical Methods of Physics <i>Group Theory</i>	01	Chen, X	TR 09:00 - 10:25	107 DWN	

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PHYSICS							
Ph 136B	3-0-6	Applications of Classical Physics	01	Phinney, E	TR 14:30 - 15:55	269 LAU	
Ph 137B	3-0-6	Atoms and Photons	01	Endres, M	TR 10:30 - 11:55	469 LAU	
Ph 171	+	Reading and Independent Study	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P

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

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

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PHYSICS							
Ph 172	+	Research in Physics	38	Simmons-Duffin, D	A	A	P
			39	Refael, G	A	A	P
			40	Preskill, J	A	A	P
			41	Bernardi, M	A	A	P
			42	Hopkins, P	A	A	P
			43	Kapustin, A	A	A	P
			44	Gukov, S	A	A	P
			45	Cheung, C	A	A	P
			46	Chen, Y	A	A	P
			47	Chen, X	A	A	P
			48	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			49	Faraon, A	A	A	P
			50	Alicea, J	A	A	P
51	Bellan, P	A	A	P			
Ph 177	0-4-5	Advanced Experimental Physics	01	Hutzler, N / Rice, F	OM,T 14:00 - 14:55	201 BRG	
Ph 205B	3-0-6	Relativistic Quantum Field Theory	01	Gukov, S	MW 10:30 - 11:55	103 DWN	
Ph/CS 219B	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	103 DWN	P
Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	
Ph 242B	2-0-1	Physics Seminar	01	Stone, E	F 12:00 - 13:55	B157 BRG	P
Ph 250B	3-0-6	Introduction to String Theory	01	Kapustin, A	MW 10:30 - 11:55	469 LAU	
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P

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PHYSICS							
Ph 300	+	Thesis Research	05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P

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PHYSICS							
Ph 300	+	Thesis Research	37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
55	Yue, Y	A	A	P			
56	Zmuidzinas, J	A	A	P			
57	Marcolli, M	A	A	P			
58	Scoville, N	A	A	P			
POLITICAL SCIENCE							
PS 020	3-0-6	Political-Economic Development and Material Culture <i>course counts as additional HSS, not intro SS // maximum enrollment: 30 students</i>	01	Ordeshook, P	TR 14:30 - 15:55	127 BAX	G
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course //</i>	01	Staff	A	A	

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POLITICAL SCIENCE							
PS 123	3-0-6	Regulation and Politics <i>designated as Writing Intensive course // maximum enrollment: 35 students</i>	01	Kiewiet, D	W 19:00 - 21:55	B125 BAX	G
PS 125	3-0-6	Analyzing Political Conflict and Violence	01	Gibilisco, M	TR 10:30 - 11:55	125 BAX	G
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 15 students // Designated as Writing Intensive Course</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
PS 141A	3-0-6	A History of Budgetary Politics in the United States <i>designated as Writing Intensive course // maximum enrollment: 75 students</i>	01	Kiewiet, D	TR 14:30 - 15:55	B180 BBB	G
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	127 BAX	G
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260// Completion of Ec/PS 160A required for b and c classes //Max of 10 students for both Ec 160 & SS 260</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
PSYCHOLOGY							
Psy101	3-0-6	Selected Topics in Psychology: Scientometrics: The Science of Being An Impactful Scientist <i>maximum enrollment: 12 students</i>	01	Mobbs, D	W 13:00 - 15:55	B119 BAX	G
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
PI/CNS/NB/Bi/Psy 161	3-0-6	Consciousness <i>maximum enrollment: 20 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	128 BAX	G
SS/Psy 283B	1.5-0-1.5	Graduate Proseminar in Social and Decision Neuroscience	01	Rangel, A	F 13:00 - 14:25	B125 BAX	P
SOCIAL SCIENCE							

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SOCIAL SCIENCE							
SS 098	+	Reading in Social Science <i>Instructor permission required prior to registering</i>	01	Kousser, J	A	A	P
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
Ec/SS 124	3-0-6	Identification Problems in the Social Sciences <i>maximum enrollment: 30 students</i>	01	Sherman, R	TR 13:00 - 14:25	125 BAX	
CS/SS/Ec 149	3-0-6	Algorithmic Economics	01	Echenique, F / Pomatto, L	MWF 10:00 - 10:55	127 BAX	G
SS 201B	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only</i>	01	Saito, K	MW 10:30 - 11:55	228 BAX	G
SS 202B	3-0-6	Political Theory <i>Open to Social Science graduate students only</i>	01	Katz, J	R 13:00 - 15:55	237 BAX	G
SS 205B	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Echenique, F	MWF 09:00 - 09:55	127 BAX	G
SS 210B	3-0-6	Foundations of Political Economy	01	Gibilisco, M	W 09:00 - 11:55	B119 BAX	G
SS 211B	3-0-6	Advanced Economic Theory	01	Echenique, F / Pomatto, L	TR 10:30 - 11:55	B119 BAX	G
SS/Ma 214	3-0-6	Mathematical Finance	01	Cvitanic, J	TR 17:00 - 18:25	125 BAX	
SS 222B	3-0-6	Econometrics <i>Open to graduate students only; if undergrads are instructor approved, their grade scheme is P/F</i>	01	Xin, Y	TW 13:00 - 14:25	B125 BAX	G
SS 223B	3-0-6	Advanced Topics in Econometric Theory <i>Open to graduate students only</i>	01	Shum, M	F 10:00 - 12:55	125 BAX	G
SS 228B	3-0-6	Applied Empirical Methods in the Social Sciences	01	Ewens, M	W 13:00 - 15:55	125 BAX	G

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SOCIAL SCIENCE							
SS 300	+	Research in Social Science	21	Perona, P	A	A	P
			23	Hoffman, P	A	A	P
			24	O'Doherty, J	A	A	P
			25	O'Doherty, J	A	A	P
			26	Lester, H	A	A	P
			27	Mobbs, D	A	A	P
STUDENT ACTIVITIES							
SA 016B	0-3-0	Cooking Basics <i>maximum enrollment: 16 students // location: 400 S. Hill</i>	01	Staff	R 18:30 - 21:25	A	P
SA 080B	1-1-1	Health Advocates <i>maximum enrollment: 24 students per section</i>	01	Stapf, M	W 19:00 - 21:55	YHC	P
			02	Stapf, M	R 19:00 - 21:55	YHC	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
WRITING							
Wr 003	+	Reading and Composing Academic Writing <i>Class is taught as individually scheduled meetings // Organizational meeting Wednesday at noon</i>	01	Daley, C	A	A	P
Wr 004	1-0-2	Principles and Practices of Academic Writing	01	Hall, S	W 12:00 - 12:55	127 BAX	P

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WRITING							
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P