

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

ANB	Annenberg Center for Information Science and Technology	HAM	Hameetman Center
ARM	Arms Laboratory of Geological Sciences	JRG	Jorgensen Laboratory
AVE	Avery House	KCK	Keck Engineering Laboratory
BAC	Braun Athletic Center	KRK	Kerckhoff Laboratory of Biological Sciences
BAX	Baxter Hall of Humanities and Social Services	KSP	Keith Spaulding Building
BBB	Beckman Laboratory of Behavioral Biology	LAU	Lauritsen Physics Laboratory
BCK	Beckman Institute	LINDE	Ronald and Maxine Linde Hall of Mathematics and Physics
BCK AUD	Beckman Auditorium	LLB	Ronald and Maxine Linde Laboratory for Global Environmental Science
BRD	Broad Center	MLKN	Robert A. Millikan Memorial Building
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
CNRB	Tianqiao and Chrissy Chen Neuroscience Research Building	PWL/BTH	Powell/Booth Laboratory
CRL	Crellin Chemistry Laboratory	REMOTE	
CSS	Center for Student Services	SCH	Schlinger Laboratory
Caltech		SFL	Sherman Fairchild Library
DAB	Dabney Hall of Humanities	SMD	South Mudd Building of Geophysics and Planetary Sciences
DWN	Downs Physics Laboratory	SPL	Spaulding Laboratory of Chemical Engineering
FIR	Firestone Flight Science Laboratory	STL	Steele Laboratory of Electrical Engineering
GCL	Gates Chemical Laboratory	TCT	Theater Arts at Caltech (TACIT)
GTL	Gates-Thomas Engineering Laboratory	WAT	Watson Laboratory of Applied Physics
GUG	Guggenheim 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 100	+	Research in Aerospace	01	Gharib, M	A	A	P
			02	McKeon, B	A	A	P
			03	Chung, S	A	A	P
			04	Pellegrino, S	A	A	P
			05	Blanquart, G	A	A	P
			06	Shepherd, J	A	A	P
			07	Meiron, D	A	A	P
			08	Meiron, D	A	A	P
			09	Bae, H	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	115 GTL	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	MWF 09:00 - 09:55	135 GTL	
Ae 103A	3-0-6	Aerospace Control Systems <i>taught concurrently with CDS112</i>	01	Murray, R	MWF 14:00 - 14:55	213 ANB	
Ae/APh 104B	0-6-3	Experimental Methods	01	McKeon, B	A	A	G
Ae 105B	2-4-3	Space Engineering	01	Braun, R	TR 14:30 - 15:55	133 GUG	
Ae 121B	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	133 GUG	
Ae 150B	1-0-0	Aerospace Engineering Seminar	01	Austin, J	M 13:00 - 13:55	REMOTE	P
EE/Ae 157A	3-0-6	Introduction to the Physics of Remote Sensing	01	Rosen, P	TR 14:30 - 15:55	B280 MRE	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Lapusta, N	MW 14:30 - 15:55	115 GTL	
Ae 200	+	Advanced Research in Aerospace	01	Schneider, T	A	A	P
			02	Burdick, J	A	A	P

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Ae 200	+	Advanced Research in Aerospace	03	Colonus, T	A	A	P
			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	Dabiri, J	A	A	P
			32	Meiron, D	A	A	P
			33	Hunt, M	A	A	P
			34	Dickinson, M	A	A	P
			35	Mawet, D	A	A	P

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AEROSPACE							
Ae 200	+	Advanced Research in Aerospace	36	Bae, H	A	A	P
Ae 208B	1-0-0	GALCIT Colloquium	01	Austin, J	F 15:00 - 15:55	REMOTE	P
Ae/AM/CE/ME 214	3-5-1	Computational Solid Mechanics	01	Pellegrino, S	TR 16:30 - 17:55	133 GUG	
Ae/AM/ME 215	3-0-6	Dynamic Behavior of Materials	01	Ravichandran, G	TR 13:00 - 14:25	232 GUG	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Meiron, D	M 15:00 - 15:55 WF 13:00 - 13:55	133 GUG 133 GUG	
Ae 237A	3-0-6	Nonsteady Gasdynamics	01	Shepherd, J	MWF 14:00 - 14:55	133 GUG	P
Ae 240	+	Special Topics in Fluid Mechanics <i>Sec 1: Educational Exchange // Sec 2: class cancelled // Sec 3: class cancelled</i>	01 02 03	Austin, J Dimotakis, P Dabiri, J	A A A	A A A	P P P
MedE/BE/Ae 243	3-0-6	Physiological Mechanics <i>class cancelled</i>	01	Roh, C	A	A	G
ANTHROPOLOGY							
An 014	3-0-6	Introduction to Sociocultural Anthropology <i>maximum enrollment: 18 students</i>	01	Ensminger, J	TR 14:30 - 15:55	B125 BAX	G
An 097	+	Undergraduate Research	01	Staff	A	A	P
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 12 students // Designated as Writing Intensive Course</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
APPLIED & COMPUTATIONAL MATH							
ACM080B	+	Undergraduate Thesis	01	Saito, K	A	A	P

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APPLIED & COMPUTATIONAL MATH							
ACM081B	+	Undergraduate Projects in Applied and Computational Mathematics	01	Chandrasekaran, V	A	A	P
			02	Wierman, A	A	A	P
			03	Zuev, K	A	A	P
			04	Leong, O	A	A	P
ACM095A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Zuev, K	MWF 11:00 - 12:15	REMOTE	
ACM100A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Zuev, K	MWF 11:00 - 12:15	REMOTE	
ACM/IDS 101B	4-4-4	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	104 ANB	
ACM105	3-0-6	Applied Real and Functional Analysis	01	Leong, O	MW 10:30 - 11:55	106 ANB	
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	REMOTE	
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	Lecture Hall BAX	
ACM118	3-0-9	Stochastic Processes and Regression	01	Owhadi, H	MW 13:00 - 14:25	104 ANB	
Ma/ACM/IDS 140A	3-0-6	Probability	01	Vigneaux Ariztia, J	MWF 14:00 - 14:55	Hameetman Aud CHL	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations	01	Angelopoulos, I	TR 09:00 - 10:25	387 LINDE	
CS/ACM 177A	3-3-3	Discrete Differential Geometry: Theory and Applications	01	Schroeder, P	TR 10:30 - 11:55	213 ANB	
ACM190	+	Reading and Independent Study	01	Staff	A	A	P
ACM/IDS 204	3-0-6	Topics in Linear Algebra and Convexity	01	Tropp, J	TR 10:30 - 11:55	104 ANB	

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APPLIED & COMPUTATIONAL MATH							
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	M 15:00 - 15:55 WF 13:00 - 13:55	133 GUG 133 GUG	
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
			11	Beck, J	A	A	P
			12	Stuart, A	A	A	P
			13	Graber, T	A	A	P
APPLIED MECHANICS							
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	MWF 09:00 - 09:55	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 151	3-0-6	Dynamics and Vibration	01	Asimaki, D	TR 13:00 - 14:25	115 GTL	G
Ae/AM/CE/ME 214	3-5-1	Computational Solid Mechanics	01	Pellegrino, S	TR 16:30 - 17:55	133 GUG	
Ae/AM/ME 215	3-0-6	Dynamic Behavior of Materials	01	Ravichandran, G	TR 13:00 - 14:25	232 GUG	

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APPLIED MECHANICS							
AM 300	+	Research in Applied Mechanics	01	Lapusta, N	A	A	P
			02	Bhattacharya, K	A	A	P
			03	Andrade, J	A	A	P
			04	Avouac, J	A	A	P
			05	Murray, R	A	A	P
			06	Ortiz, M	A	A	P
			07	Phillips, R	A	A	P
			08	Ravichandran, G	A	A	P
			09	Fu, X	A	A	P
			10	Greer, J	A	A	P
APPLIED PHYSICS							
APh/EE 023	3-0-6	Demonstration Lectures in Classical and Quantum Photonics	01	Matsko, A	TR 09:00 - 10:25	133 STL	
APh/EE 024	3-0-6	Introductory Optics and Photonics Laboratory <i>class cancelled // to be offered spring term</i>	01	Staff	A	A	
APh078B	+	Senior Thesis, Experimental	01	Faraon, A	A	A	P
			02	Scherer, A	A	A	P
			03	Phillips, R	A	A	P
			04	Painter, O	A	A	P
			05	Vahala, K	A	A	P
			06	Atwater, H	A	A	P
			07	Bellan, P	A	A	P
			08	Troian, S	A	A	P
			09	Yung, Y	A	A	P
			10	Schwab, K	A	A	P
			11	Knutson, H	A	A	P
			12	Endres, M	A	A	P
			13	Hajimiri, S	A	A	P
			14	Fultz, B	A	A	P
APh079B	+	Senior Thesis, Theoretical	01	Goddard, W	A	A	P
			02	Troian, S	A	A	P

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APh079B	+	Senior Thesis, Theoretical	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
			14	Desbrun, M	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	McKeon, B	A	A	G
APh/MS 105B	3-0-6	States of Matter	01	Fultz, B	TR 09:00 - 10:25	104 WAT	
APh/EE 109	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	142 KCK	P
APh/Ph 112A	3-0-6	Noise and Stochastic Resonance	01	Troian, S	TR 14:30 - 15:55	142 KCK	
APh114B	3-0-6	Solid-State Physics	01	Nad Perge, S	MWF 09:00 - 09:55	104 WAT	

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APPLIED PHYSICS							
EE/APh 131	3-0-6	Light Interaction with Atomic Systems - Lasers	01	Vahala, K	TR 09:00 - 10:25	B270 MRE	
Ph/APh 137B	3-0-6	Atoms and Photons	01	Endres, M	TR 10:30 - 11:55	469 LAU	
APh156B	3-0-6	Plasma Physics	01	Bellan, P	MW 14:30 - 15:55	104 WAT	
EE/APh 158	3-0-6	Quantum Electrical Circuits	01	Mirhosseini, M	MW 10:30 - 11:55	B280 MRE	
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Counts towards 'total biology units' requirement in the Biology undergraduate option.</i>	01	Phillips, R	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
MS/APh 162	3-0-6	Electronic Materials	01	Falson, J	TR 10:30 - 11:55	104 WAT	
APh200	+	Applied Physics Research	01	Atwater, H	A	A	P
			02	Fultz, B	A	A	P
			03	Bellan, P	A	A	P
			04	Chen, Y	A	A	P
			05	Johnson, W	A	A	P
			06	Schwab, K	A	A	P
			07	Goddard, W	A	A	P
			08	Lewis, N	A	A	P
			09	Trojan, 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

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APh200	+	Applied Physics Research	19	Painter, O	A	A	P
			20	Phillips, R	A	A	P
			21	Bernardi, M	A	A	P
			22	Kimble, H	A	A	P
			23	Roukes, M	A	A	P
			24	Nad Perge, S	A	A	P
			25	Scherer, A	A	A	P
			26	Hutzler, N	A	A	P
			28	Yeh, N	A	A	P
			29	Endres, M	A	A	P
			30	Vahala, K	A	A	P
			31	Yariv, A	A	A	P
			32	Rosenbaum, T	A	A	P
			33	Adhikari, R	A	A	P
			34	Meiron, D	A	A	P
			35	Elowitz, M	A	A	P
			36	Bock, J	A	A	P
			37	Cushing, S	A	A	P
			38	Falson, J	A	A	P
			39	Motrunich, O	A	A	P
			40	Spiropulu, M	A	A	P
			41	Marandi, A	A	A	P
			42	Daraio, C	A	A	P
43	Mirhosseini, M	A	A	P			
Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	
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

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APPLIED PHYSICS							
APh300	+	Thesis Research in Applied Physics	07	Fultz, B	A	A	P
			08	Schwab, K	A	A	P
			09	Desbrun, M	A	A	P
			10	Hsieh, D	A	A	P
			11	Faber, K	A	A	P
			12	Hutzler, N	A	A	P
			13	Minnich, A	A	A	P
			15	Phillips, R	A	A	P
			16	Daraio, C	A	A	P
			17	Rosenbaum, T	A	A	P
			18	Roukes, M	A	A	P
			20	Scherer, A	A	A	P
			21	Chen, Y	A	A	P
			24	Vahala, K	A	A	P
			25	Yariv, A	A	A	P
			28	Painter, O	A	A	P
			29	Zmuidzinas, J	A	A	P
30	Atwater, H	A	A	P			
31	Bernardi, M	A	A	P			
32	Nad Perge, S	A	A	P			
33	Marandi, A	A	A	P			
ASTROPHYSICS							
Ay 021	3-0-6	Galaxies and Cosmology <i>Not open to seniors. Open to freshmen with instructor approval.</i>	01	Djorgovski, S	MWF 15:00 - 15:55	Hameetman Aud CHL	
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

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ASTROPHYSICS										
Ay 078B	+	Senior Thesis	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			
			19	Ravi, V	A	A	P			
			Ay 102	3-0-6	Physics of the Interstellar Medium	01	Hillenbrand, L	MWF 13:00 - 13:55	219 CHL	
			Ay 111B	3-0-0	Introduction to Current Astrophysics Research	01	Howard, A	F 11:00 - 11:55	219 CHL	P
			Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 14:00 - 14:55	269 LAU	
			Ay 122B	3-0-6	Astronomical Measurements and Instrumentation	01	Hallinan, G / Ravi, V	TR 13:00 - 14:25	219 CHL	
			Ay 123	3-0-6	Structure and Evolution of Stars	01	Fuller, J	TR 14:30 - 15:55	219 CHL	
Ay 124	3-0-6	Structure and Evolution of Galaxies	01	Hopkins, P	MW 10:30 - 11:55	219 CHL				
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 13:00 - 13:55	Salvatori Patio SMD				
Ay 141B	1-0-2	Research Conference in Astronomy	01	Phinney, E	F 16:00 - 16:55	Hameetman Aud CHL	P			

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ASTROPHYSICS										
Ay 142	+	Research in Astronomy and Astrophysics	01	Fuller, J	A	A	P			
			02	Blake, G	A	A	P			
			03	Harrison, F	A	A	P			
			04	Brown, M	A	A	P			
			05	Phinney, E	A	A	P			
			06	Djorgovski, S	A	A	P			
			07	Howard, A	A	A	P			
			08	Kasliwal, M	A	A	P			
			09	Hillenbrand, L	A	A	P			
			10	Fuller, J	A	A	P			
			11	Kulkarni, S	A	A	P			
			12	Hallinan, G	A	A	P			
			13	Martin, C	A	A	P			
			14	Bock, J	A	A	P			
			15	Golwala, S	A	A	P			
			16	Prince, T	A	A	P			
			17	Hopkins, P	A	A	P			
			18	Kirby, E	A	A	P			
			19	Sargent, A	A	A	P			
			20	Ravi, V	A	A	P			
			21	Readhead, A	A	A	P			
			22	Dore, O	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
						04	Hopkins, P	A	A	P
06	Brown, M	A				A	P			
07	Blake, G	A				A	P			

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ASTROPHYSICS							
Ay 143	+	Reading and Independent Study	08	Knutson, H	A	A	P
			09	Batygin, K	A	A	P
Ay 144	+	Independent Writing in Astronomy	01	Golwala, S	A	A	P
			02	Mawet, D	A	A	P
Ge/Ay 159	3-0-6	Astrobiology	01	Yung, Y	MWF 11:00 - 11:55	155 ARM	
Ay 215	3-0-6	Seminar in Theoretical Astrophysics <i>class cancelled</i>	01	Staff	A	A	P
BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	R 12:00 - 12:55	320 BRN	P
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology	01	Hay, B	A	A	P
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Pachter, L	A	A	P
			03	Rothmund, P	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			07	Greer, J	A	A	P
			08	Campbell, J	A	A	P
			09	Phillips, R	A	A	P
			10	Hay, B	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Phillips, R	A	A	P
			13	Parker, C	A	A	P
			14	Barton, J	A	A	P
			15	Heath, J	A	A	P
			17	Anderson, D	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	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	Chong, S	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
			49	Guttman, M	A	A	P
			50	Shapiro, M	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	51	Ismagilov, R	A	A	P
			52	Meister, M	A	A	P
			53	Chan, D	A	A	P
			54	Zinn, K	A	A	P
			55	Ondrus, A	A	A	P
			56	Voorhees, R	A	A	P
			57	Winfree, E	A	A	P
			58	Wagenaar, D	A	A	P
			60	Parker, J	A	A	P
			61	Thomson, M	A	A	P
			62	Semlow, D	A	A	P
			BIOENGINEERING				
BE 025	3-0-6	Biophysical Chemistry	01	Bois, J	TR 09:00 - 10:25	100 - Rock Auditorium BRD	
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
			14	Ondrus, A	A	A	P
			15	Guttman, M	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P

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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>	19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Shan, S	A	A	P
			22	Adolphs, R	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Bjorkman, P	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Ismagilov, R	A	A	P
			29	Oka, Y	A	A	P
			30	Kornfield, J	A	A	P
			31	Baltimore, D	A	A	P
			32	Davis, M	A	A	P
			33	Sternberg, P	A	A	P
			34	Meister, M	A	A	P
			35	Aravin, A	A	A	P
			36	Qian, L	A	A	P
			37	Shapiro, M	A	A	P
			38	Mazmanian, S	A	A	P
			39	Van Valen, D	A	A	P
			40	Thomson, M	A	A	P
			41	Dickinson, M	A	A	P
			42	Wang, K	A	A	P
			43	Chou, T	A	A	P
			44	Pachter, L	A	A	P
			45	Goentoro, L	A	A	P
			46	Hay, B	A	A	P
BE 099B	+	Senior Thesis in Bioengineering	01	Gradinaru, V	A	A	P
			02	Murray, R	A	A	P
			03	Elowitz, M	A	A	P

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BIOENGINEERING							
BE/Bi 103B	1-3-5	Statistical Inference in the Biological Sciences	01	Bois, J	T 13:00 - 15:55	130 CNRB	
					W 09:00 - 09:55	100 CNRB	
			02	Bois, J	T 19:00 - 21:55	130 CNRB	
					W 09:00 - 09:55	100 CNRB	
BE/Bi 106	3-0-6	Comparative Biomechanics <i>class cancelled</i>	01	Dickinson, M	A	A	
ChE/BE/MedE 112	3-0-6	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	151 CRL	
Bi/BE 129	3-0-6	The Biology and Treatment of Cancer	01	Campbell, J / Zinn, K	MWF 10:00 - 10:55	130 CNRB	
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Counts towards 'total biology units' requirement in the Biology undergraduate option.</i>	01	Phillips, R	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
MedE/EE/BE 168A	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 15:30 - 17:25	142 KCK	
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	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	100 CNRB	G
BE/CS 196A	3-6-3	Design and Construction of Programmable Molecular Systems <i>class full // contact instructor regarding class enrollment</i>	01	Qian, L	TR 13:00 - 13:55	B122 GCL	
					TR 14:00 - 15:55	108 KCK	
			02	Qian, L	TR 13:00 - 13:55	B122 GCL	
					MW 19:00 - 20:55	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

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	08	Hajimiri, S	A	A	P
			09	Newman, D	A	A	P
			10	Lester, H	A	A	P
			11	Guttman, M	A	A	P
			12	Pierce, N	A	A	P
			13	Meister, M	A	A	P
			14	Goddard, W	A	A	P
			15	Ismagilov, R	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Thomson, M	A	A	P
			22	Dickinson, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Lois, C	A	A	P
			26	Leadbetter, J	A	A	P
			27	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

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	41	Mazmanian, S	A	A	P
			42	Wang, K	A	A	P
			44	Van Valen, D	A	A	P
			45	Heath, J	A	A	P
			46	Rutishauser, U	A	A	P
			47	Chan, D	A	A	P
			48	Fejes Toth, K	A	A	P
BE 201	+	Reading the Bioengineering Literature <i>Required for first and second year BE grad students // class meets on Mondays, 12-1:30pm in CNRB 100</i>	01	Wang, K	A	A	P
Bi/BE 227	2-6-4	Methods in Modern Microscopy	01	Collazo, A	MW 10:00 - 10:55	152 BRN	
MedE/BE/Ae 243	3-0-6	Physiological Mechanics <i>class cancelled</i>	01	Roh, C	A	A	G
BIOLOGY							
Bi 008	3-0-6	Foundational Principles of Molecular Biology <i>Maximum enrollment: 30 students per section</i>	01	Guttman, M / Hong, E	TR 13:00 - 14:25	100 CNRB	
					W 15:00 - 15:55	130 CNRB	
			02	Guttman, M / Hong, E	TR 13:00 - 14:25	100 CNRB	
					R 19:00 - 19:55	130 CNRB	
03	Guttman, M / Hong, E	TR 13:00 - 14:25	100 CNRB				
		F 14:00 - 14:55	130 CNRB				
Bi 021	+	Undergraduate Research with Presentation <i>minimum 12 units per term</i>	01	Dunphy, W	A	A	P
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

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BIOLOGY							
Bi 022	+	Undergraduate Research	08	Sternberg, P	A	A	P
			09	Lester, H	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Leadbetter, J	A	A	P
			13	Adolphs, R	A	A	P
			14	Shapiro, M	A	A	P
			15	Rothenberg, E	A	A	P
			16	Hay, B	A	A	P
			17	Cai, L	A	A	P
			18	Shan, S	A	A	P
			19	Campbell, J	A	A	P
			20	Clemons, W	A	A	P
			21	Stevenson, D	A	A	P
			22	Orphan, V	A	A	P
			23	Varshavsky, A	A	A	P
			24	Meyerowitz, E	A	A	P
			25	Meister, M	A	A	P
			26	Winfrey, E	A	A	P
			27	Mazmanian, S	A	A	P
			28	Tirrell, D	A	A	P
			29	Shimojo, S	A	A	P
			30	Wold, B	A	A	P
			31	Sternberg, P	A	A	P
			32	Kennedy, M	A	A	P
			33	Newman, D	A	A	P
			34	Hsiao, E	A	A	P
			35	Gradinaru, V	A	A	P
			36	Peter Lashgari Faghani, I	A	A	P
			37	Thomson, M	A	A	P
			38	Chou, T	A	A	P
			39	Goentoro, L	A	A	P
			40	Goddard, W	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	41	Stathopoulos, A	A	A	P
			42	Zinn, K	A	A	P
			43	Rangel, A	A	A	P
			44	Parker, J	A	A	P
			45	Davis, M	A	A	P
			46	Murray, R	A	A	P
			47	Jensen, G	A	A	P
			48	Elowitz, M	A	A	P
			49	Prober, D	A	A	P
			50	Bronner Hansen, M	A	A	P
			51	Aravin, A	A	A	P
			52	Aravin, A	A	A	P
			53	Clemons, W	A	A	P
			54	Mazmanian, S	A	A	P
			55	Newman, D	A	A	P
			56	Shan, S	A	A	P
			57	Guttman, M	A	A	P
			58	Ondrus, A	A	A	P
			59	Hong, E	A	A	P
			60	Pachter, L	A	A	P
			61	Zernicka-Goetz, M	A	A	P
			62	Wang, K	A	A	P
			63	Andersen, R	A	A	P
			64	Van Valen, D	A	A	P
			65	Glover, D	A	A	P
			66	Dunphy, W	A	A	P
Bi 023	1-0-2	Biology Tutorials <i>See course syllabus link for each section's tutorial title // section 3 OM will be held January 13th // section 2 cancelled</i>	01	Hallgrimsdottir, I / Huang, A	F 15:00 - 15:55	240A CNRB	P
			02	Stagkourakis, A / Huang, A	A	A	P
			03	Brueckner, A / Huang, A / Kanwal, J	OM,T 16:00 - 16:55	152 BRN	P
			04	Huang, A	R 16:00 - 17:55	REMOTE	P
			05	Huang, A	OM,W 16:00 - 16:55	200 BRD	P

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BIOLOGY							
Bi 023	1-0-2	Biology Tutorials <i>See course syllabus link for each section's tutorial title // section 3 OM will be held January 13th // section 2 cancelled</i>	06	Huang, A	OM,W 16:00 - 16:55	B101 BBB	P
			07	Bronner Hansen, M	A	A	P
Bi 090B	+	Undergraduate Thesis	01	Doyle, J / Kennedy, M	A	A	P
			02	Wold, B / Kennedy, M	A	A	P
			03	Sternberg, P / Kennedy, M	A	A	P
			04	Lester, H / Kennedy, M	A	A	P
			05	Kennedy, M / Newman, D	A	A	P
			06	Anderson, D / Kennedy, M	A	A	P
			07	Wold, B / Kennedy, M	A	A	P
			09	Allman, J / Kennedy, M	A	A	P
			10	Rothenberg, E / Kennedy, M	A	A	P
			11	Rangel, A / Kennedy, M	A	A	P
			12	Gradinaru, V / Kennedy, M	A	A	P
			13	Davis, M / Kennedy, M	A	A	P
			14	Baltimore, D / Kennedy, M	A	A	P
			15	Rothenberg, E / Kennedy, M	A	A	P
			16	Hassibi, B / Kennedy, M	A	A	P
			17	Kennedy, M / Hsieh-Wilson, L	A	A	P
			18	Siapas, A / Kennedy, M	A	A	P
			19	Kennedy, M / Mazmanian, S	A	A	P
			20	Bronner Hansen, M / Kennedy, M	A	A	P
			21	Kennedy, M / Hong, E	A	A	P
			22	Kennedy, M / Lester, H	A	A	P

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BIOLOGY							
Bi 090C	+	Undergraduate Thesis	01	Bronner Hansen, M / Kennedy, M	A	A	P
CNS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 CNRB	
BE/Bi 103B	1-3-5	Statistical Inference in the Biological Sciences	01	Bois, J	T 13:00 - 15:55 W 09:00 - 09:55	130 CNRB 100 CNRB	
			02	Bois, J	T 19:00 - 21:55 W 09:00 - 09:55	130 CNRB 100 CNRB	
Bi/Ge/ESE 105	3-4-5	Evolution <i>open by application only</i>	01	Phillips, R / Orphan, V	MW 13:00 - 14:25	100 - Rock Auditorium BRD	
BE/Bi 106	3-0-6	Comparative Biomechanics <i>class cancelled</i>	01	Dickinson, M	A	A	
Ch/Bi 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C / Semlow, D	W 14:00 - 15:55 TR 11:00 - 11:55	152 BRN B122 GCL	
Bi 116	3-0-6	Microbial Genetics <i>maximum enrollment: 20 students</i>	01	Newman, D / Mazmanian, S	TR 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 10:30 - 11:55	200 BRD	
Bi/BE 129	3-0-6	The Biology and Treatment of Cancer	01	Campbell, J / Zinn, K	MWF 10:00 - 10:55	130 CNRB	
Bi 145B	3-0-6	Tissue and Organ Physiology	01	Tydell, C	MW 19:00 - 20:25	152 BRN	
NB/Bi/CNS 163	3-0-3	The Biological Basis of Neural Disorders	01	Lester, H / Lois, C	MW 09:00 - 10:25	B101 BBB	G
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Pachter, L	TR 10:30 - 11:55	119 KRK	

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BIOLOGY							
CNS/Bi/EE/CS/NB 186 4-4-4		Vision: From Computational Theory to Neuronal Mechanisms	01	Shimojo, S / Perona, P / Meister, M / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	100 CNRB	G
Bi 214	3-0-6	Stem Cells and Hematopoiesis	01	Rothenberg, E	T 19:00 - 20:55 F 14:00 - 15:55	152 BRN 152 BRN	
Bi/BE 227	2-6-4	Methods in Modern Microscopy	01	Collazo, A	MW 10:00 - 10:55	152 BRN	
Ge/ESE/Bi 248	2-0-4	Environmental Justice <i>taught concurrently with Hum 61</i>	01	Orphan, V / Mushkin, H	T 13:00 - 14:55	151 ARM	
Bi 250D	3-0-6	Topics in Developmental, Stem Cell and Evolutionary Biology	01	Bronner Hansen, M / Rothenberg, E / Zernicka-Goetz, M	TR 14:30 - 15:55	100 - Rock Auditorium BRD	
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology	01	Hay, B	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

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BIOLOGY							
Bi 299	+	Graduate Research	17	Clemons, W	A	A	P
			18	Dunphy, W	A	A	P
			19	Voorhees, R	A	A	P
			20	Goddard, W	A	A	P
			21	Hay, B	A	A	P
			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

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BIOLOGY							
Bi 299	+	Graduate Research	50	de Kleer, K	A	A	P
			51	Elowitz, M	A	A	P
			52	Prober, D	A	A	P
			53	Adolphs, R	A	A	P
			54	Aravin, A	A	A	P
			55	Dougherty, D	A	A	P
			56	Tai, Y	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Burdick, J	A	A	P
			59	Meister, M	A	A	P
			60	Siapas, A	A	A	P
			61	Murray, R	A	A	P
			62	Gradinaru, V	A	A	P
			63	Qian, L	A	A	P
			64	Oka, Y	A	A	P
			65	Hsiao, E	A	A	P
			66	Shapiro, M	A	A	P
			67	Hong, E	A	A	P
			68	Ismagilov, R	A	A	P
			69	Phillips, R	A	A	P
			70	Parker, J	A	A	P
			71	Roukes, M	A	A	P
			72	Van Valen, D	A	A	P
			73	Wang, K	A	A	P
			74	Zernicka-Goetz, M	A	A	P
			75	Newman, H	A	A	P
			76	Schulman, L	A	A	P
77	Chong, S	A	A	P			
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM/Ec/PS 080	1-0-2	Frontiers in Social Sciences	01	Cvitanic, J	T 12:00 - 12:55	127 BAX	P

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BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
BEM103	3-0-6	Introduction to Finance	01	Jin, J	MW 13:00 - 14:25	Lecture Hall BAX	G
BEM110	3-0-6	Venture Capital	01	Ewens, M	TR 10:30 - 11:55	B270 MRE	G
BEM111	3-0-6	Quantitative Risk and Portfolio Management	01	Winston, K	TR 19:00 - 20:25	B125 BAX	
CHEMICAL ENGINEERING							
ChE015	1-4-4	Introduction to Chemical Engineering Computation	01	Flagan, R	TR 09:00 - 10:55	B101 BBB	
ChE062	3-0-6	Separation Processes	01	Seinfeld, J	MWF 13:00 - 13:55	106 SPL	G
ChE070	0-0-0	Special Topics in Chemical Engineering: ChemE Car	01	Brady, J / Vicic, M	OM,T 12:00 - 12:55	122 SPL	P
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			02	Giapis, K	A	A	P
			03	Kornfield, J	A	A	P
			04	Haile, S	A	A	P
			05	Ismagilov, R	A	A	P
			06	Lewis, N	A	A	P
			07	Davis, M	A	A	P
			09	Shapiro, M	A	A	P
			10	Goddard, W	A	A	P
			11	Hoelz, A	A	A	P
			12	Greer, J	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			15	Shapiro, M	A	A	P

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CHEMICAL ENGINEERING							
ChE080	+	Undergraduate Research	34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			37	Heath, J	A	A	P
			38	Agapie, T	A	A	P
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
			17	Fu, G	A	A	P
18	Atwater, H	A	A	P			
ChE090B	0-4-5	Senior Thesis	01	Giapis, K	A	A	
			02	Tirrell, D	A	A	
			03	Kornfield, J	A	A	
			04	Cai, L / Arnold, F	A	A	
			05	Lewis, N	A	A	
			06	Flagan, R	A	A	
			07	Atwater, H	A	A	
			08	Mayo, S	A	A	
			09	Ismagilov, R	A	A	
			10	Seinfeld, J	A	A	
			11	Wang, Z	A	A	
			12	Greer, J	A	A	

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CHEMICAL ENGINEERING							
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	Vicic, M	TR 14:30 - 15:55	106 SPL	
ChE103B	3-0-6	Transport Phenomena	01	Shapiro, M	MWF 10:00 - 10:55	106 SPL	
ChE/ESE/ME/MS 111	3-0-6	Sustainable Engineering	01	Kornfield, J	TR 11:30 - 12:55	153 NYS	
ChE/BE/MedE 112	3-0-6	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	151 CRL	
ChE114	3-3-3	Solid State NMR Spectroscopy for Materials Chemistry	01	Hwang, S	TR 14:30 - 15:55	102 SPL	
ChE118	3-0-6	Introduction to the Design of Chemical Systems	01	Vicic, M	MWF 15:00 - 15:55	102 SPL	
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
ChE151A	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 09:00 - 09:55	106 SPL	G
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z / Chan, G	TR 13:00 - 14:25	106 SPL	
ESE/ME/EST/EC/ChE/	3-0-0	Climate Change Impacts, Mitigation and Adaptation	01	Wennberg, P	MW 13:00 - 13:55	119 KRK	
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

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	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
			14	See, K	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	Miller, T	A	A	P
			19	Shapiro, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Kornfield, J	A	A	P
			22	Robb, M	A	A	P
			23	Lewis, N	A	A	P
			24	Wei, L	A	A	P
			25	Chan, G	A	A	P
			26	Pachter, L	A	A	P
			27	Wang, K	A	A	P
28	Hadt, R	A	A	P			
36	Tirrell, D	A	A	P			
37	Wang, Z	A	A	P			
40	Seinfeld, J	A	A	P			
41	Heath, J	A	A	P			
46	Ismagilov, R	A	A	P			
47	Guttman, M	A	A	P			
CHEMISTRY							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	01	Chan, G / Robb, M	MTR 11:00 - 11:55	REMOTE	P
					W 14:00 - 14:55	B122 GCL	
			02	Chan, G / Robb, M	MTR 11:00 - 11:55	REMOTE	P

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CHEMISTRY							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	02	Chan, G / Robb, M	W 14:00 - 14:55	106 SPL	P
			03	Chan, G / Robb, M	MTR 11:00 - 11:55 W 15:00 - 15:55	REMOTE 106 SPL	P
			04	Chan, G / Robb, M	MTR 11:00 - 11:55 W 14:00 - 14:55	REMOTE 147 NYS	P
			05	Chan, G / Robb, M	MTR 11:00 - 11:55 W 16:00 - 16:55	REMOTE 151 CRL	P
			06	Chan, G / Robb, M	MTR 11:00 - 11:55 W 14:00 - 14:55	REMOTE 153 NYS	P
			07	Chan, G / Robb, M	MTR 11:00 - 11:55 W 16:00 - 16:55	REMOTE 147 NYS	P
			08	Chan, G / Robb, M	MTR 11:00 - 11:55 R 14:00 - 14:55	REMOTE 147 NYS	P
			09	Chan, G / Robb, M	MTR 11:00 - 11:55 R 16:00 - 16:55	REMOTE 147 NYS	P
			10	Chan, G / Robb, M	MTR 11:00 - 11:55 W 15:00 - 15:55	REMOTE 147 NYS	P
			11	Chan, G / Robb, M	MTR 11:00 - 11:55 W 15:00 - 15:55	REMOTE 153 NYS	P
			12	Chan, G / Robb, M	MTR 11:00 - 11:55 R 14:00 - 14:55	REMOTE 153 NYS	P
			13	Chan, G / Robb, M	MTR 11:00 - 11:55 R 16:00 - 16:55	REMOTE 153 NYS	P
			14	Chan, G / Robb, M	MTR 11:00 - 11:55 R 16:00 - 16:55	REMOTE REMOTE	P
			Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>Open to Ch and ChE students only / Maximum enrollment: 10 students / Students entering 2020 and before must take Ch 3 in their 1st 9 terms of residence in order to be graded pass/fail. Frosh entering 2021 must take Ch 3 in their first six terms of residence in order to be graded pass/fail</i>	01	Mendez, J

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CHEMISTRY							
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Max enroll: 22 students per sec // Students entering 2020 and before must take Ch 3 in their first 9 terms of residence in order to be graded pass/fail. Frosh entering 2021 must take Ch 3 in their first six terms of residence in order to be graded pass/fail</i>	01	Mendez, J	F 09:00 - 09:55 T 08:00 - 10:55	119 KRK B157 CRL	P
			02	Mendez, J	OM,M 09:00 - 09:55 F 09:00 - 09:55 T 13:00 - 15:55	119 KRK B157 CRL	P
			03	Mendez, J	OM,M 09:00 - 09:55 F 09:00 - 09:55 W 13:00 - 15:55	119 KRK B157 CRL	P
			04	Mendez, J	OM,M 09:00 - 09:55 F 09:00 - 09:55 R 08:00 - 10:55 OM,M 09:00 - 09:55	119 KRK B157 CRL 119 KRK	P
Ch 004A	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>maximum enrollment: 10 students</i>	01	Mendez, J	F 15:00 - 15:55 T 08:00 - 10:55 R 08:00 - 10:55	Patio GCL 130 CHR 130 CHR	
			02	Mendez, J	F 15:00 - 15:55 TR 13:00 - 15:55	Patio GCL 130 CHR	
Ch 004B	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>maximum enrollment: 10 students</i>	01	Mendez, J	F 11:00 - 11:55 T 13:00 - 15:55 R 13:00 - 15:55	Patio GCL 130 CHR 130 CHR	
Ch 005A	1-9-2	Advanced Techniques of Synthesis and Analysis <i>maximum enrollment: 10 students</i>	01	Stoltz, B	A	A	
Ch 010B	1-0-0	Frontiers in Chemistry <i>Lab Hours TBA // open to freshmen and sophomores only</i>	01	Hoelz, A	R 12:00 - 12:55	147 NYS	P
Ch 014	3-0-6	Chemical Equilibrium and Analysis	01	Rees, D	MWF 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 W 15:00 - 15:55	B122 GCL 151 CRL	

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CHEMISTRY							
Ch 041B	4-0-5	Organic Chemistry	02	Hsieh-Wilson, L	MWF 09:00 - 09:55 W 20:00 - 20:55	B122 GCL 151 CRL	
			03	Hsieh-Wilson, L	MWF 09:00 - 09:55 T 15:00 - 15:55	B122 GCL 151 CRL	
			04	Hsieh-Wilson, L	MWF 09:00 - 09:55 T 20:00 - 20:55	B122 GCL 151 CRL	
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
			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
			19	Robb, M	A	A	P
			20	Kornfield, J	A	A	P
			21	Rossmann, G	A	A	P
22	Wei, L	A	A	P			
27	Okumura, M	A	A	P			
29	Peters, J	A	A	P			
30	Gao, W	A	A	P			
35	Stoltz, B	A	A	P			
36	Tirrell, D	A	A	P			
37	Reisman, S	A	A	P			

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CHEMISTRY							
Ch 080	+	Chemical Research	38	Weitekamp, D	A	A	P
			39	Lewis, N	A	A	P
			40	Rees, D	A	A	P
			41	Hoelz, A	A	A	P
			42	Fu, G	A	A	P
			43	Dougherty, D	A	A	P
			44	Hoffmann, M	A	A	P
			45	Holst, M	A	A	P
			46	Clemons, W	A	A	P
			47	Blake, G	A	A	P
			48	Ondrus, A	A	A	P
49	Cushing, S	A	A	P			
Ch 081	+	Independent Reading in Chemistry	02	Reisman, S	A	A	P
			03	Hoelz, A	A	A	P
			04	Gray, H	A	A	P
			06	Goddard, W	A	A	P
			22	Lewis, N	A	A	P
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
			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
			10	Asimow, P / Okumura, M	A	A	P
			11	Dougherty, D / Okumura, M	A	A	P
			12	Wei, L / Okumura, M	A	A	P
			13	Rossmann, G / Okumura, M	A	A	P
			14	Reisman, S / Okumura, M	A	A	P

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CHEMISTRY							
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	15	Hsieh-Wilson, L / Okumura, M	A	A	P
			16	Hoelz, A / Okumura, M	A	A	P
			17	Chan, G / Okumura, M	A	A	P
			18	Arnold, F / Okumura, M	A	A	P
			19	Hadt, R / Okumura, M	A	A	P
			20	Okumura, M / Clemons, W	A	A	P
			21	Okumura, M / Reisman, S	A	A	P
			22	Ondrus, A / Goddard, W / 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	101 SCH	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 10:00 - 11:55	147 NYS	
Ch/Bi 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C / Semlow, D	W 14:00 - 15:55 TR 11:00 - 11:55	152 BRN B122 GCL	
Ch 120A	3-0-6	Nature of the Chemical Bond	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch 125B	3-0-6	The Elements of Quantum Chemistry <i>class cancelled</i>	01	Weitekamp, D	A	A	
Ch 153A	3-0-6	Advanced Inorganic Chemistry	01	Gray, H / Winkler, J	F 10:00 - 11:55	134 (Auditorium) BCK	
Ch 154A	3-0-6	Organometallic Chemistry	01	Peters, J	TR 13:00 - 14:25	101 SCH	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z / Chan, G	TR 13:00 - 14:25	106 SPL	

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CHEMISTRY							
ESE/Ch 176	3-0-6	Environmental Physical Organic Chemistry Part I	01	Hoffmann, M	MWF 10:00 - 10:55	107 DWN	
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
			02	Gray, H	A	A	P
			03	Giapis, K	A	A	P
			04	Goddard, W	A	A	P
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	R 12:00 - 12:55	320 BRN	P
Ch 213B	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	134 (Auditorium) BCK	
Ch 242B	3-0-6	Chemical Synthesis	01	Reisman, S	MWF 10:00 - 10:55	147 NYS	
Ch 252	2-0-7	Advanced Topics in Chemical Physics: Reaction Dynamics	01	Okumura, M	T 14:00 - 14:55	B204 NYS	
					R 12:00 - 12:55	B204 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
			15	Dougherty, D	A	A	P
			16	Elowitz, M	A	A	P

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

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CHEMISTRY							
Ch 279	+	Rotations in Chemistry	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
			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
			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

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CHEMISTRY							
Ch 280	+	Chemical Research	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
			61	Voorhees, R	A	A	P
			62	Eiler, J	A	A	P
			63	Van Valen, D	A	A	P
			64	Minnich, A	A	A	P
			65	Faber, K	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	66	Bernardi, M	A	A	P
			67	Nelson, H	A	A	P
			68	Pachter, L	A	A	P
			69	Semlow, D	A	A	P
CIVIL ENGINEERING							
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	115 GTL	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	MWF 09:00 - 09:55	135 GTL	
ME/CE/Ge/ESE 146	3-0-6	Computational Methods for Flow in Porous Media	01	Fu, X	T 16:00 - 17:25 F 10:00 - 11:25	115 GTL 135 GTL	P
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151	3-0-6	Dynamics and Vibration	01	Asimaki, D	TR 13:00 - 14:25	115 GTL	G
CE 200	+	Advanced Work in Civil Engineering	01	Asimaki, D	A	A	P
Ae/AM/CE/ME 214	3-5-1	Computational Solid Mechanics	01	Pellegrino, S	TR 16:30 - 17:55	133 GUG	
CE 300	+	Research in Civil Engineering	01	Asimaki, D	A	A	P
			02	Heaton, T	A	A	P
			03	Daraio, C	A	A	P
			04	Pellegrino, S	A	A	P
			05	Lapusta, N	A	A	P
			06	Andrade, J	A	A	P
			07	Fu, X	A	A	P
COMPUTATION & NEURAL SYS							

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COMPUTATION & NEURAL SYS							
CNS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 CNRB	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	BCK AUD	
NB/Bi/CNS 163	3-0-3	The Biological Basis of Neural Disorders	01	Lester, H / Lois, C	MW 09:00 - 10:25	B101 BBB	G
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	South Tent ANB	
CNS180	+	Research in Computation and Neural Systems	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Perona, P	A	A	P
			04	Fraser, S	A	A	P
			05	Oka, Y	A	A	P
			06	Hoffmann, M	A	A	P
			07	Allman, J	A	A	P
			08	Lester, H	A	A	P
			09	Hong, E	A	A	P
			10	Pachter, L	A	A	P
			11	Murray, R	A	A	P
			12	Allman, J	A	A	P
			13	Gradinaru, V	A	A	P
			14	Shimojo, S	A	A	P
			15	Tsao, D	A	A	P
			16	Wold, B	A	A	P
			17	Winfrey, E	A	A	P
			18	Rangel, A	A	A	P
			19	Siapas, A	A	A	P
			20	Prober, D	A	A	P
			22	Andersen, R	A	A	P
			23	Elowitz, M	A	A	P
			24	Anderson, D	A	A	P
			25	Adolphs, R	A	A	P

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COMPUTATION & NEURAL SYS							
CNS180	+	Research in Computation and Neural Systems	26	Kennedy, M	A	A	P
			27	Quartz, S	A	A	P
			28	O'Doherty, J	A	A	P
			29	Camerer, C	A	A	P
			30	Meister, M	A	A	P
			31	Shapiro, M	A	A	P
			32	Yue, Y	A	A	P
			33	Thomson, M	A	A	P
			34	Anandkumar, A	A	A	P
			35	Dickinson, M	A	A	P
			36	Rutishauser, U	A	A	P
			37	Ames, A	A	A	P
			38	Lois, C	A	A	P
CNS/Bi/EE/CS/NB 186 4-4-4		Vision: From Computational Theory to Neuronal Mechanisms	01	Shimojo, S / Perona, P / Meister, M / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	100 CNRB	G
CNS251	2-1-6	Human Brain Mapping: Theory and Practice <i>maximum enrollment: 20 students</i>	01	O'Doherty, J	R 13:30 - 15:25	B105 BAX	G
CNS280	+	Research in Computation and Neural Systems	01	Meister, M	A	A	P
			02	Elowitz, M	A	A	P
			03	Andersen, R	A	A	P
			04	Oka, Y	A	A	P
			05	Winfree, E	A	A	P
			06	Siapas, A	A	A	P
			07	Quartz, S	A	A	P
			08	Adolphs, R	A	A	P
			09	Murray, R	A	A	P
			10	Tsao, D	A	A	P
			12	Scherer, A	A	A	P
			13	Camerer, C	A	A	P

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COMPUTATION & NEURAL SYS							
CNS280	+	Research in Computation and Neural Systems	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
			21	Shimojo, S	A	A	P
			22	Lester, H	A	A	P
			23	Wold, B	A	A	P
			24	Dickinson, M	A	A	P
			25	Hoffmann, M	A	A	P
			26	Rangel, A	A	A	P
			28	O'Doherty, J	A	A	P
			29	Thomson, M	A	A	P
			30	Lois, C	A	A	P
31	Mobbs, D	A	A	P			
SS/Psy/CNS 285	1.5-0-1.5	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L	M 17:00 - 17:55	B125 BAX	P
COMPUTER SCIENCE							
CS 002	3-5-1	Introduction to Programming Methods <i>maximum enrollment: 25 students per section</i>	01	Blank, A	MWF 14:00 - 14:55 T 13:00 - 13:55	BCK AUD 102 STL	P
			02	Blank, A	MWF 14:00 - 14:55 T 14:00 - 14:55	BCK AUD 102 STL	P
			03	Blank, A	MWF 14:00 - 14:55 T 15:00 - 15:55	BCK AUD 102 STL	P
			04	Blank, A	MWF 14:00 - 14:55 T 16:00 - 16:55	BCK AUD 102 STL	P
			05	Blank, A	MWF 14:00 - 14:55 T 17:00 - 17:55	BCK AUD 102 STL	P
			06	Blank, A	MWF 14:00 - 14:55 T 18:00 - 18:55	BCK AUD 102 STL	P

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COMPUTER SCIENCE							
CS 002	3-5-1	Introduction to Programming Methods <i>maximum enrollment: 25 students per section</i>	07	Blank, A	MWF 14:00 - 14:55 T 19:00 - 19:55	BCK AUD 102 STL	P
CS 004	3-4-2	Fundamentals of Computer Programming	01	Vanier, M	MWF 15:00 - 15:55	Lecture Hall BAX	G
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Schuelke, B	MWF 13:00 - 13:55	310 LINDE	
EE/CS 010A	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 15:00 - 15:55	B270 MRE	
CS 011	0-3-0	Computer Language Lab <i>CS 1 or instructor's permission is required. // Sec 1: C, Sec 4: cancelled, Sec 11: Special Topics, Sec 12: Projects, Sec 15: Rust (max enroll: 20)</i>	01	Vanier, M	OM,M 21:00 - 21:55	BCK AUD	P
			04	Staff	A	A	P
			11	Vanier, M	OM,M 21:00 - 21:55	BCK AUD	P
			12	Vanier, M	OM,M 21:00 - 21:55	BCK AUD	P
			15	Vanier, M	OM,M 21:00 - 21:55	BCK AUD	P
CS 012	0-3-0	Student-Taught Topics in Computing: TensorFlow	01	Blank, A	OM,M 20:00 - 20:55	105 ANB	P
CS 019B	1-0-1	Introduction to Computer Science in Industry <i>class cancelled</i>	01	Ralph, C	A	A	P
CS 021	3-0-6	Decidability and Tractability	01	Umans, C	MWF 13:00 - 13:55	BCK AUD	G
CS 022	3-0-6	Data Structures and Parallelism <i>maximum enrollment: 50 students</i>	01	Blank, A	MWF 11:00 - 11:55	105 ANB	
CS 042	2-2-2	Computer Science Education in K-14 Settings <i>enrollment by application instructor permission required to add</i>	01	Ralph, C / Wierman, A	F 12:00 - 15:55	106 ANB	P
CS 080B	+	Undergraduate Thesis	01	Chandy, K	A	A	P
			02	Wierman, A	A	A	P
			03	Schroeder, P	A	A	P
			04	Winfrey, E	A	A	P
			05	Barr, A	A	A	P
			06	Murray, R	A	A	P

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COMPUTER SCIENCE							
CS 080B	+	Undergraduate Thesis	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
			17	Anandkumar, A	A	A	P
			18	Adolphs, R	A	A	P
			19	Rangel, A	A	A	P
20	Bouman, K	A	A	P			
21	Bruno, O	A	A	P			
CS 081B	+	Undergraduate Projects in Computer Science	01	Pinkston, D	A	A	P
			02	Winfrey, 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

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COMPUTER SCIENCE							
CS 081B	+	Undergraduate Projects in Computer Science	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
			31	Thomson, M	A	A	P
			32	Chung, S	A	A	P
			33	Qian, L	A	A	P
			34	Blank, A	A	A	P
			35	Ames, A	A	A	P
			36	Bruck, J	A	A	P
			37	Rangel, A	A	A	P
			38	Tamuz, O	A	A	P
			39	Anandkumar, A	A	A	P
			40	Van Valen, D	A	A	P
			41	Bouman, K	A	A	P
			42	Parker, J	A	A	P
			43	Stalzer, M	A	A	P
44	Bruno, O	A	A	P			
45	Alvarez, R	A	A	P			
CS 090	+	Undergraduate Reading in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Low, S	A	A	P
			03	Blank, A	A	A	P
			04	Schroeder, P	A	A	P
			05	Winfrey, E	A	A	P
			06	Umans, C	A	A	P

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COMPUTER SCIENCE							
CS 090	+	Undergraduate Reading in Computer Science	07	Desbrun, M	A	A	P
			08	Barr, A	A	A	P
			10	Perona, P	A	A	P
			11	Chandy, K	A	A	P
			13	Murray, R	A	A	P
			14	Wierman, A	A	A	P
			15	Vanier, M	A	A	P
			16	Yue, Y	A	A	P
			17	Ralph, C	A	A	P
			18	Schulman, L	A	A	P
			19	Anderson, D	A	A	P
			20	Bouman, K	A	A	P
21	Chung, S	A	A	P			
CS 101	3-0-6	Special Topics in Computer Science <i>Interactive Theorem Proving, unit breakdown (3-4-2), prerequisite CS 4</i>	01	Vanier, M	MWF 10:00 - 10:55	104 ANB	G
CS 102B	+	Seminar in Computer Science	01	Staff	A	A	
CS 103B	+	Reading in Computer Science	01	Staff	A	A	P
Ma/CS 106B	3-0-6	Introduction to Discrete Mathematics	01	Schuelke, B	MWF 13:00 - 13:55	310 LINDE	
CS 111	0-3-0	Graduate Programming Practicum <i>Sec 1: C, Sec 4: cancelled, Sec 11: Special Topics, Sec 12: Projects, Sec 15: Rust</i>	01	Vanier, M	OM,M 21:00 - 21:55	BCK AUD	P
			04	Staff	A	A	P
			11	Vanier, M	OM,M 21:00 - 21:55	BCK AUD	P
			12	Vanier, M	OM,M 21:00 - 21:55	BCK AUD	P
			15	Vanier, M	OM,M 21:00 - 21:55	BCK AUD	P
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	Lecture Hall BAX	
CS 118	3-3-3	Automata-Theoretic Software Analysis	01	Holzmann, G	TR 13:00 - 14:25	106 ANB	G

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COMPUTER SCIENCE							
CS/IDS 121	3-0-6	Relational Databases	01	Hovik, M	TR 09:00 - 10:25	REMOTE	
CS 130	3-3-3	Software Engineering	01	Pinkston, D	MWF 11:00 - 11:55	104 ANB	
ME/CS/EE 133B	3-3-3	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
ME/CS/EE 134	3-6-0	Robotic Systems	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Vidick, T	MW 10:30 - 11:55	213 ANB	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Wierman, A	MWF 13:00 - 14:25	105 ANB	
CS/EE 146	3-3-3	Control and Optimization of Networks	01	Low, S	TR 10:30 - 11:55	314 ANB	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	BCK AUD	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B280 MRE	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	South Tent ANB	
CS/ACM 177A	3-3-3	Discrete Differential Geometry: Theory and Applications	01	Schroeder, P	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

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
COMPUTER SCIENCE							
CS 180	+	Master's Thesis Research	09	Yariv, A	A	A	P
			10	Barr, A	A	A	P
			11	Schroeder, P	A	A	P
			12	Wierman, A	A	A	P
			13	Winfree, E	A	A	P
			14	Wold, B	A	A	P
			15	Krause, R	A	A	P
			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	Pachter, L	TR 10:30 - 11:55	119 KRK	
CNS/Bi/EE/CS/NB 186 4-4-4		Vision: From Computational Theory to Neuronal Mechanisms	01	Shimojo, S / Perona, P / Meister, M / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	100 CNRB	G
BE/CS 196A	3-6-3	Design and Construction of Programmable Molecular Systems <i>class full // contact instructor regarding class enrollment</i>	01	Qian, L	TR 13:00 - 13:55 TR 14:00 - 15:55	B122 GCL 108 KCK	
			02	Qian, L	TR 13:00 - 13:55 MW 19:00 - 20:55	B122 GCL 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

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COMPUTER SCIENCE							
CS 280	+	Research in Computer Science	11	Perona, P	A	A	P
			12	Schroeder, P	A	A	P
			13	Chandrasekaran, V	A	A	P
			14	Kitaev, A	A	A	P
			15	Wierman, A	A	A	P
			16	Ligett, K	A	A	P
			17	Doyle, J	A	A	P
			18	Murray, R	A	A	P
			19	Vidick, T	A	A	P
			20	Yue, Y	A	A	P
CS 287	+	Center for the Mathematics of Information Seminar <i>class cancelled</i>	01	Staff	A	A	P
COMPUTING AND MATHEMATICAL SCIENCES							
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Vidick, T	MW 10:30 - 11:55	213 ANB	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Wierman, A	MWF 13:00 - 14:25	105 ANB	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	BCK AUD	
CMS290B	1-0-0	Computing and Mathematical Sciences Colloquium	01	Hou, Y	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

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COMPUTING AND MATHEMATICAL SCIENCES							
CMS300	+	Research in Computing and Mathematical Sciences	10	Desbrun, M	A	A	P
			11	Low, S	A	A	P
			12	Perona, P	A	A	P
			13	Schroeder, P	A	A	P
			14	Schulman, L	A	A	P
			15	Umans, C	A	A	P
			16	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
			23	Van Valen, D	A	A	P
			24	Bouman, K	A	A	P
			25	Bruck, J	A	A	P
CONTROL & DYNAMICAL SYSTEMS							
CDS090B	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Murray, R	A	A	G
CDS112	3-0-6	Optimal Control and Estimation <i>taught concurrently with Ae 103A</i>	01	Murray, R	MWF 14:00 - 14:55	213 ANB	
CDS190	+	Independent Work in Control and Dynamical Systems	01	Staff	A	A	P
CDS231	3-2-4	Robust Control Theory <i>taught concurrently with CDS270</i>	01	Doyle, J	TR 13:00 - 14:25	104 ANB	P
CDS232	3-0-6	Nonlinear Dynamics	01	Niemeyer, G	TR 14:30 - 15:55	105 ANB	
ME/CDS/EE 234A	3-3-3	Advanced Robotics	01	Burdick, J	TR 16:30 - 17:55	115 GTL	

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CONTROL & DYNAMICAL SYSTEMS							
CDS270	+	Advanced Topics in Systems and Control <i>taught concurrently with CDS231</i>	01	Doyle, J	TR 13:00 - 14:25	104 ANB	P
CDS300B	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P
			02	Adolphs, R	A	A	P
			03	Doyle, J	A	A	P
			04	Owhadi, H	A	A	P
			05	Siapas, A	A	A	P
			06	Goentoro, L	A	A	P
			07	Dickinson, M	A	A	P
			08	Murray, R	A	A	P
			11	Elowitz, M	A	A	P
			12	Desbrun, M	A	A	P
			13	Ortiz, M	A	A	P
			14	Beck, J	A	A	P
			16	Ames, A	A	A	P
			17	Chung, S	A	A	P
ECONOMICS							
Ec 011	3-2-4	Introduction to Economics	01	Rangel, A	T 13:00 - 14:25 R 13:00 - 14:25	BCK AUD REMOTE	
BEM/Ec/PS 080	1-0-2	Frontiers in Social Sciences	01	Cvitanic, J	T 12:00 - 12:55	127 BAX	P
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P
Ec 098B	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Agranov, M	A	A	P
			02	Camerer, C	A	A	P
			03	Echenique, F	A	A	P
Ec 109	3-0-6	Frontier in Behavioral Economics	01	Nielsen, K	MWF 10:00 - 10:55	B105 BAX	

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ECONOMICS							
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	Lecture Hall BAX	
Ec 121B	3-0-6	Theory of Value	01	Saito, K	TR 13:00 - 14:25	228 BAX	G
Ec 135	3-0-6	Economics of Uncertainty and Information	01	Agranov, M	MW 10:30 - 11:55	B125 BAX	
Ec 140	3-0-6	Economic Progress <i>designated as writing intensive course</i>	01	Hoffman, P	TR 09:00 - 10:25	B125 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	MW 12:30 - 13:55	B115 BAX	G
ESE/ME/EST/Ec/ChE/	3-0-0	Climate Change Impacts, Mitigation and Adaptation	01	Wennberg, P	MW 13:00 - 13:55	119 KRK	
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	TF 15:00 - 15:55	B270 MRE	
APh/EE 023	3-0-6	Demonstration Lectures in Classical and Quantum Photonics	01	Matsko, A	TR 09:00 - 10:25	133 STL	
APh/EE 024	3-0-6	Introductory Optics and Photonics Laboratory <i>class cancelled // to be offered spring term</i>	01	Staff	A	A	
EE 040	3-0-6	Physics of Electrical Engineering	01	Marandi, A	MW 13:00 - 14:25	B280 MRE	
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

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ELECTRICAL ENGINEERING							
EE 080B	+	Senior Thesis	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	Yue, Y	A	A	P
			10	Van Valen, D	A	A	P
			11	Scherer, A	A	A	P
			12	Marandi, A	A	A	P
EE 085	2-3-4	Analog and RF Circuits Laboratory <i>class cancelled</i>	01	Kalantar Ohanian, R	A	A	
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Perona, P	A	A	P
			03	George, G	A	A	P
			04	Atwater, H	A	A	P
			05	Murray, R	A	A	P
			06	Emami, A	A	A	P
			07	Gharib, M	A	A	P
			08	Low, S	A	A	P
			09	Yang, C	A	A	P
			10	Hajimiri, S	A	A	P
			11	Burdick, J	A	A	P
			12	Tai, Y	A	A	P
			13	Yariv, A	A	A	P
			14	Bruck, J	A	A	P
			15	Marandi, A	A	A	P
			16	Hassibi, B	A	A	P
			17	Wang, L	A	A	P
			18	Gao, W	A	A	P
			19	Kalantar Ohanian, R	A	A	P
EE 105B	1-0-0	Electrical Engineering Seminar	01	Emami, A	A	A	P

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ELECTRICAL ENGINEERING							
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	REMOTE	
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	OM,R 16:00 - 16:55	104 WAT	
EE 110B	3-4-2	Embedded Systems Design Laboratory	01	George, G	TR 13:00 - 14:25	B280 MRE	
EE 112	3-0-6	Introduction to Signal Processing from Data <i>maximum enrollment: 46 students</i>	01	Vaidyanathan, P	TR 13:00 - 14:25	B270 MRE	
EE/APh 131	3-0-6	Light Interaction with Atomic Systems - Lasers	01	Vahala, K	TR 09:00 - 10:25	B270 MRE	
ME/CS/EE 133B	3-3-3	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
ME/CS/EE 134	3-6-0	Robotic Systems	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Wierman, A	MWF 13:00 - 14:25	105 ANB	
CS/EE 146	3-3-3	Control and Optimization of Networks	01	Low, S	TR 10:30 - 11:55	314 ANB	
EE 154A	2-3-4	Practical Electronics for Space Applications	01	Klesh, A	T 16:00 - 17:55	B270 MRE	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	BCK AUD	
EE/Ae 157A	3-0-6	Introduction to the Physics of Remote Sensing	01	Rosen, P	TR 14:30 - 15:55	B280 MRE	
EE/APh 158	3-0-6	Quantum Electrical Circuits	01	Mirhosseini, M	MW 10:30 - 11:55	B280 MRE	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B280 MRE	

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ELECTRICAL ENGINEERING							
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	South Tent ANB	
MedE/EE/BE 168A	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 15:30 - 17:25	142 KCK	
ESE/ME/EST/EC/ChE/	3-0-0	Climate Change Impacts, Mitigation and Adaptation	01	Wennberg, P	MW 13:00 - 13:55	119 KRK	
CNS/Bi/EE/CS/NB 186	4-4-4	Vision: From Computational Theory to Neuronal Mechanisms	01	Shimojo, S / Perona, P / Meister, M / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
ME/CDS/EE 234A	3-3-3	Advanced Robotics	01	Burdick, J	TR 16:30 - 17:55	115 GTL	
EE 291	+	Advanced Work in Electrical Engineering	01	Abu-Mostafa, Y	A	A	P
			02	Kostina, V	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Heath, J	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Vahala, K	A	A	P
			09	George, G	A	A	P
			10	Yeh, N	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hassibi, B	A	A	P
			13	Zmuidzinas, J	A	A	P
			14	Low, S	A	A	P
			15	Anderson, D	A	A	P
			16	Atwater, H	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Gharib, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Mirhosseini, M	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	22	Phillips, R	A	A	P
			23	Cvitanic, J	A	A	P
			24	Quartz, S	A	A	P
			25	Spiropulu, M	A	A	P
			26	Scherer, A	A	A	P
			27	Vidick, T	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
44	Yue, Y	A	A	P			
46	Shapiro, M	A	A	P			
47	Wang, L	A	A	P			
48	Tsao, D	A	A	P			
49	Marandi, A	A	A	P			
50	Greer, J	A	A	P			
ENERGY SCIENCE AND TECHNOLOGY							
ESE/ME/EST/EC/ChE/	3-0-0	Climate Change Impacts, Mitigation and Adaptation	01	Wennberg, P	MW 13:00 - 13:55	119 KRK	
ENGINEERING							

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ENGINEERING							
E 100	0-0-0	Special Topics in Engineering & Applied Science <i>only open to students who participated in the Freshman Summer Research Institute // 1 unit</i>	01	Hunt, M / Blank, A	R 12:00 - 12:55	115 GTL	P
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>class cancelled - will be taught spring term</i>	01	Staff	A	A	P
ENGLISH							
Hum/En 020	3-0-6	Ancient Epic <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	125 BAX	
Hum/En 022	3-0-6	Inequality <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students per section</i>	01 02	Haugen, K Haugen, K	M 19:00 - 21:55 T 19:00 - 21:55	127 BAX 128 BAX	
Hum/En 028	3-0-6	Killing Kings and Popish Plots: Literature in Revolutionary <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Koch, J	TR 14:30 - 15:55	115 DAB	
Hum/En 034	3-0-6	Literature and Deception <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Holland, J	TR 09:00 - 10:25	128 BAX	
En 086	3-0-6	Fiction Writing <i>Maximum enrollment: 14 students</i>	01	Lepucki, E	T 19:00 - 21:55	228 BAX	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01 02	Jahner, J Holland, J	A A	A A	P P
En 099A	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Staff	A	A	G
En 099B	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Gilmartin, K	A	A	G

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ENGLISH							
En 101	3-0-6	Recalling the Wild <i>maximum enrollment: 15 students</i>	01	Holland, J	TR 10:30 - 11:55	9th Floor Caltech Hall	
En 113	3-0-6	Shakespeare's Career: Comedies and Histories <i>maximum enrollment: 15 students</i>	01	Pigman, G	TR 13:00 - 14:25	125 BAX	
En 131	3-0-6	Poe's Afterlife <i>maximum enrollment: 15 students</i>	01	Weinstein, C	TR 14:30 - 15:55	B133 BAX	G
En 134	3-0-6	The Career of Herman Melville <i>maximum enrollment: 15 students</i>	01	Weinstein, C	TR 13:00 - 14:25	TR DAB	G
En 164	3-0-6	Contemporary Black Diasporic Literature and Culture <i>maximum enrollment: 15 students</i>	01	Murphy, D	T 19:00 - 21:55	117 DAB	
En 165	3-0-6	Black Feminist and Womanist Literature and Thought <i>maximum enrollment: 15 students // class closed, see instructor for waitlist</i>	01	Murphy, D	R 19:00 - 21:55	125 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	G
ENGLISH AS A SECOND LANGUAGE							
ESL101B	3-0-0	Oral Communication and Pronunciation	01	Ashleigh, S	MW 17:00 - 18:25	104 WAT	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Leadbetter, J	A	A	P
			02	Flagan, R	A	A	P
			03	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Newman, D	A	A	P
			06	Thompson, A	A	A	P
			07	Bordoni, S	A	A	P
			08	Adkins, J	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	09	Frankenberg, C	A	A	P
			10	Yung, Y	A	A	P
			11	Wennberg, P	A	A	P
ESE100	+	Special Problems in Environmental Engineering Science <i>up to 12 units by arrangement</i>	01	Schneider, T	A	A	P
			02	Ingersoll, A	A	A	P
			03	Wennberg, P	A	A	P
			04	Hoffmann, M	A	A	P
			05	Adkins, J	A	A	P
			06	Leadbetter, J	A	A	P
			07	Bordoni, S	A	A	P
			08	Yung, Y	A	A	P
			09	Seinfeld, J	A	A	P
			10	Orphan, V	A	A	P
			11	Thompson, A	A	A	P
			12	Sessions, A	A	A	P
ESE103	3-0-6	Earth's Biogeochemical Cycles	01	Yin, Y	MWF 13:00 - 13:55	155 ARM	
Bi/Ge/ESE 105	3-4-5	Evolution <i>open by application only</i>	01	Phillips, R / Orphan, V	MW 13:00 - 14:25	100 - Rock Auditorium BRD	
ESE106	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P
			02	Blake, G	A	A	P
			03	Bordoni, S	A	A	P
			04	Eiler, J	A	A	P
			05	Flagan, R	A	A	P
			06	Hoffmann, M	A	A	P
			07	Ingersoll, A	A	A	P
			08	Lamb, M	A	A	P
			09	Leadbetter, J	A	A	P
			10	Newman, D	A	A	P
			11	Okumura, M	A	A	P
			12	Orphan, V	A	A	P
			13	Schneider, T	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE106	+	Research in Environmental Science and Engineering	14	Seinfeld, J	A	A	P
			15	Sessions, A	A	A	P
			16	Wennberg, P	A	A	P
			17	Yung, Y	A	A	P
			18	Thompson, A	A	A	P
			19	Frankenberg, C	A	A	P
			20	Callies, J	A	A	P
ESE110B	1-0-0	Seminar in Environmental Science and Engineering	01	Callies, J	W 16:00 - 16:55	Circle Patio ARM	P
ChE/ESE/ME/MS 111	3-0-6	Sustainable Engineering	01	Kornfield, J	TR 11:30 - 12:55	153 NYS	
ESE130	3-0-6	Introduction to Atmosphere and Ocean Dynamics	01	Callies, J	MWF 11:00 - 11:55	162 SMD	
ME/CE/Ge/ESE 146	3-0-6	Computational Methods for Flow in Porous Media	01	Fu, X	T 16:00 - 17:25 F 10:00 - 11:25	115 GTL 135 GTL	P
Ge/ESE 149	3-0-6	Marine Geochemistry	01	Adkins, J	MWF 14:00 - 14:55	251 ARM	
Ge/ESE 154	+	Readings in Paleoclimate <i>class meets Fridays, 15:00-15:55, 136 LLB</i>	01	Adkins, J	A	A	P
ESE/Ch 176	3-0-6	Environmental Physical Organic Chemistry Part I	01	Hoffmann, M	MWF 10:00 - 10:55	107 DWN	
ESE/ME/EST/Ec/ChE/	3-0-0	Climate Change Impacts, Mitigation and Adaptation	01	Wennberg, P	MW 13:00 - 13:55	119 KRK	
Ge/ESE/Bi 248	2-0-4	Environmental Justice <i>taught concurrently with Hum 61</i>	01	Orphan, V / Mushkin, H	T 13:00 - 14:55	151 ARM	
Ge/ESE 298	+	Mentoring and Outreach	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J / Bucholz, C	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
Ge/ESE 298	+	Mentoring and Outreach	05	Thompson, A	A	A	P
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 002	2-0-4	Freshman Seminar: The Evolution of Information Systems: From Life to Artificial <i>class cancelled</i>	01	Bruck, J	A	A	P
FS/Ph 011B	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
GEOLOGY							
Ge 010	2-0-0	Frontiers in Geological and Planetary Sciences	01	Thompson, A	F 12:00 - 12:55	151 ARM	P

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GEOLOGY							
Ge 011D	3-0-6	Introduction to Earth and Planetary Sciences: Geophysics <i>taught concurrently with Ge 102</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	162 SMD	
Ge 040	+	Special Problems for Undergraduates	01	Kirschvink, J	A	A	P
			02	Orphan, V	A	A	P
			03	Lamb, M	A	A	P
			04	Ingersoll, A	A	A	P
			05	Adkins, J	A	A	P
			06	Rossmann, G	A	A	P
			07	Sessions, A	A	A	P
			08	Stevenson, D	A	A	P
			09	Yung, Y	A	A	P
			10	Jackson, J	A	A	P
			11	Fischer, W	A	A	P
			12	Tsai, V	A	A	P
			13	Brown, M	A	A	P
			14	de Kleer, K	A	A	P
			15	Eiler, J	A	A	P
			16	Asimow, P	A	A	P
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	01	Rossmann, G	A	A	P
			02	Kirschvink, J	A	A	P
			03	Grotzinger, J	A	A	P
			04	Orphan, V	A	A	P
			05	Stolper, E	A	A	P
			06	Stock, J	A	A	P
			07	Grotzinger, J	A	A	P
			08	Asimow, P	A	A	P
			09	Brown, M	A	A	P
			10	Fischer, W	A	A	P
			11	Eiler, J	A	A	P
			12	Ingersoll, A	A	A	P
			13	Sessions, A	A	A	P
			14	Leadbetter, J	A	A	P

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GEOLOGY							
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	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</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	162 SMD	
Bi/Ge/ESE 105	3-4-5	Evolution <i>open by application only</i>	01	Phillips, R / Orphan, V	MW 13:00 - 14:25	100 - Rock Auditorium BRD	
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 // Sections 2-4: Geobiology</i>	01	Jackson, J	T 12:00 - 12:55	155 ARM	P
			02	Sessions, A	A	A	P
			03	Orphan, V	A	A	P
			04	Leadbetter, J	A	A	P
Ge 111A	3-3-0	Applied Geophysics Seminar and Field Course	01	Clayton, R / Simons, M	TR 09:00 - 09:55	162 SMD	G
Ge 115A	3-3-3	Petrology and Petrography: Igneous Petrology	01	Stolper, E	MWF 10:00 - 10:55	267 ARM	
Ge 116	1-4-4	Analytical Techniques Laboratory <i>Lab- 4 hours per week, scheduling will vary over the quarter</i>	01	Asimow, P / Jackson, J / Rossman, G	T 11:00 - 11:55	251 ARM	
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 14:00 - 14:55	269 LAU	
Ge 121B	0-9-3	Advanced Field Geology <i>Field Trip dates: Jan 20-23; Feb 3-6 and Feb 17-20</i>	01	Stock, J	OM,M 14:00 - 14:55	215 NMD	G
Ge 123	1-0-2	Continental Crust Seminar	01	Bucholz, C	T 15:00 - 16:25	Salvatori Patio SMD	
Ge 126	2-0-4	Topics in Earth Surface Processes	01	Lamb, M	T 15:00 - 17:55	251 ARM	

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GEOLOGY							
Ge 136B	1-0-2	Regional Field Geology of the Southwestern United States	01	Kirschvink, J	OM,M 15:00 - 15:55	REMOTE	P
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 13:00 - 13:55	Salvatori Patio SMD	
Ge 140B	3-0-6	Radiogenic Isotope Geochemistry	01	Tissot, F	TR 09:00 - 10:25	215 NMD	
ME/CE/Ge/ESE 146	3-0-6	Computational Methods for Flow in Porous Media	01	Fu, X	T 16:00 - 17:25 F 10:00 - 11:25	115 GTL 135 GTL	P
Ge/ESE 149	3-0-6	Marine Geochemistry	01	Adkins, J	MWF 14:00 - 14:55	251 ARM	
Ge/ESE 154	+	Readings in Paleoclimate <i>class meets Fridays, 15:00-15:55, 136 LLB</i>	01	Adkins, J	A	A	P
Ge/Ay 159	3-0-6	Astrobiology	01	Yung, Y	MWF 11:00 - 11:55	155 ARM	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Lapusta, N	MW 14:30 - 15:55	115 GTL	
Ge 162	3-0-6	Seismology	01	Zhan, Z	MWF 10:00 - 10:55	256 SMD	G
Ge 164	3-0-6	Mineral Physics	01	Jackson, J	TR 13:00 - 14:25	254 SMD	
Ge 167	3-0-6	Tectonic Geodesy <i>class cancelled, to be offered spring term</i>	01	Simons, M	A	A	
Ge 190	0-0-0	The Nature and Evolution of the Earth <i>class cancelled</i>	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J	A	A	P
			05	Bucholz, C	A	A	P
Ge 218	3-0-3	Stable Isotopes Seminar	01	Eiler, J	TR 13:00 - 14:25	Circle Patio ARM	

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GEOLOGY							
Ge/ESE/Bi 248	2-0-4	Environmental Justice <i>taught concurrently with Hum 61</i>	01	Orphan, V / Mushkin, H	T 13:00 - 14:55	151 ARM	
Ge 271	3-0-6	Dynamics of Seismicity <i>class cancelled</i>	01	Ross, Z	A	A	
Ge 277	2-0-4	Active Tectonics Seminar	01	Avouac, J	W 11:00 - 11:55	215 NMD	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
			10	Avouac, J	A	A	P
			11	Gurnis, M	A	A	P
			12	Saleeby, J	A	A	P
			14	Ingersoll, A	A	A	P
			15	Jackson, J	A	A	P
			16	Kirschvink, J	A	A	P
			17	Farley, K	A	A	P
			18	Newman, D	A	A	P
			19	Ampuero Saenz, J	A	A	P
			20	Fischer, W	A	A	P
			21	Lamb, M	A	A	P
			22	Rossmann, 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

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GEOLOGY							
Ge 297	+	Advanced Study	28	Stolper, E	A	A	P
			29	Kulkarni, S	A	A	P
			30	Miller, T	A	A	P
			31	Batygin, K	A	A	P
			32	Wennberg, P	A	A	P
			33	Wernicke, B	A	A	P
			34	Aharonson, O	A	A	P
			35	Yung, Y	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Orphan, V	A	A	P
			39	Tsai, V	A	A	P
			40	Knutson, H	A	A	P
			41	Leadbetter, J	A	A	P
			42	Zhan, Z	A	A	P
			43	Bucholz, C	A	A	P
			44	Leadbetter, J	A	A	P
			45	Tissot, F	A	A	P
46	Ross, Z	A	A	P			
47	de Kleer, K	A	A	P			
Ge/ESE 298	+	Mentoring and Outreach	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J / Bucholz, C	A	A	P
			05	Thompson, A	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

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GEOLOGY							
Ge 299	+	Thesis Research	09	Farley, K	A	A	P
			10	Grotzinger, J	A	A	P
			11	Heaton, T	A	A	P
			13	Gurnis, M	A	A	P
			14	Kirschvink, J	A	A	P
			15	Fischer, W	A	A	P
			16	Newman, D	A	A	P
			17	Orphan, V	A	A	P
			18	Knutson, H	A	A	P
			19	Rossman, G	A	A	P
			20	Saleeby, J	A	A	P
			21	Lamb, M	A	A	P
			22	Schneider, T	A	A	P
			23	Sessions, A	A	A	P
			24	Bucholz, C	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Stock, J	A	A	P
			28	Stolper, E	A	A	P
			29	Leadbetter, J	A	A	P
			30	Zhan, Z	A	A	P
			31	Yung, Y	A	A	P
			32	Batygin, K	A	A	P
			33	Wennberg, P	A	A	P
			34	Wernicke, B	A	A	P
			35	Ampuero Saenz, J	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Jackson, J	A	A	P
			39	Ingersoll, A	A	A	P
			40	Tsai, V	A	A	P
			41	Bordoni, S	A	A	P
			42	Ross, Z	A	A	P

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GEOLOGY							
Ge 299	+	Thesis Research	43	Tissot, F	A	A	P
			44	de Kleer, K	A	A	P
HISTORY							
Hum/H 005	3-0-6	The History of the Chinese Empire <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Dykstra, M	TR 14:30 - 15:55	128 BAX	
Hum/H 006	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	TR DAB	
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Brown, W	TR 14:30 - 15:55	117 DAB	
Hum/H 013	3-0-6	Brave New Worlds: Race, Human Rights and the Age of Discovery <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	125 BAX	
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Rand, L	TR 13:00 - 14:25	Lounge 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	125 BAX	
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Wiggins, D	A	A	P
H 099B	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01	Dykstra, M	A	A	
H 111	3-0-6	The Medieval Church <i>maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	Lounge DAB	

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HISTORY							
H 138	3-0-6	The Way <i>maximum enrollment: 20 students // first class session is mandatory</i>	01	Dykstra, M	T 19:00 - 21:55	Lounge DAB	
H/HPS 154	3-0-6	Feminist Science Studies <i>maximum enrollment: 15 students</i>	01	LeBlanc, H	W 19:00 - 21:55	127 BAX	
HPS/H 158	3-0-6	From World to Earth: Spaceflight and the Making of a Planet <i>maximum enrollment: 15 students // class will also meet on Wed, Jan 19, 7-10pm in Bax 128</i>	01	Geppert, A	M 19:00 - 21:55	125 BAX	
VC/H/HPS 163	3-0-6	Science on Screen <i>maximum enrollment: 15 students</i>	01	Shell, H	TR 10:30 - 11:55	128 BAX	
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	125 BAX	
HPS/H 173	3-0-6	Carving Nature's Joints: Histories of Nature's Order <i>maximum enrollment: 15 students</i>	01	Kollmer, C	TR 14:30 - 15:55	200 BRD	
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	G
HISTORY AND PHILOSOPHY OF SCIENCE							
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Rand, L	TR 13:00 - 14:25	Lounge DAB	
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	125 BAX	
HPS102B	2-0-10	Senior Research Seminar <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P

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HISTORY AND PHILOSOPHY OF SCIENCE							
HPS103	1-0-0	Public Lecture Series	01	Kormos-Buchwald, D	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>maximum enrollment: 15 students</i>	01	Sebens, C	TR 10:30 - 11:55	125 BAX	
HPS/PI 123	3-0-6	Introduction to the Philosophy of Physics <i>maximum enrollment: 20 students</i>	01	Sebens, C	TR 14:30 - 15:55	Lounge DAB	
H/HPS 154	3-0-6	Feminist Science Studies <i>maximum enrollment: 15 students</i>	01	LeBlanc, H	W 19:00 - 21:55	127 BAX	
HPS/H 158	3-0-6	From World to Earth: Spaceflight and the Making of a Planet <i>maximum enrollment: 15 students // class will also meet on Wed, Jan 19, 7-10pm in Bax 128</i>	01	Geppert, A	M 19:00 - 21:55	125 BAX	
VC/H/HPS 163	3-0-6	Science on Screen <i>maximum enrollment: 15 students</i>	01	Shell, H	TR 10:30 - 11:55	128 BAX	
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	125 BAX	
HPS/H 173	3-0-6	Carving Nature's Joints: Histories of Nature's Order <i>maximum enrollment: 15 students</i>	01	Kollmer, C	TR 14:30 - 15:55	200 BRD	
HUMANITIES							
Hum/H 005	3-0-6	The History of the Chinese Empire <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Dykstra, M	TR 14:30 - 15:55	128 BAX	
Hum/H 006	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	TR DAB	

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HUMANITIES							
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Brown, W	TR 14:30 - 15:55	117 DAB	
Hum/H 013	3-0-6	Brave New Worlds: Race, Human Rights and the Age of Discovery <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	125 BAX	
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Rand, L	TR 13:00 - 14:25	Lounge 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	125 BAX	
Hum/En 020	3-0-6	Ancient Epic <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	125 BAX	
Hum/En 022	3-0-6	Inequality <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01 02	Haugen, K Haugen, K	M 19:00 - 21:55 T 19:00 - 21:55	127 BAX 128 BAX	
Hum/En 028	3-0-6	Killing Kings and Popish Plots: Literature in Revolutionary <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Koch, J	TR 14:30 - 15:55	115 DAB	
Hum/En 034	3-0-6	Literature and Deception <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Holland, J	TR 09:00 - 10:25	128 BAX	
Hum/PI 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	Quartz, S Quartz, S	TR 13:00 - 14:25 TR 14:30 - 15:55	127 BAX 127 BAX	
Hum/PI 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	127 BAX 9th Floor Caltech Hall	

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HUMANITIES							
Hum/VC 051	3-0-6	Icons and Iconoclasm <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Jacobson, B	TR 09:00 - 10:25	TR DAB	
Hum061	2-0-4	Environmental Justice <i>taught concurrently with Ge/ESE/Bi 248 // maximum enrollment: 8 students</i>	01	Mushkin, H / Orphan, V	T 13:00 - 14:55	151 ARM	
Hum105	3-0-6	Topics in French Literature <i>taught concurrently with L 105</i>	01	Orcel, C	M 15:00 - 15:55 WF 13:00 - 13:55	115 DAB 115 DAB	
Hum114	3-0-6	Spanish Language Literature and its Film Adaptations <i>taught concurrently with L 114 // maximum enrollment: 10 students</i>	01	Arjona, G	MW 17:00 - 18:25	Lounge DAB	
INFORMATION AND DATA SCIENCES							
ACM/IDS 101B	4-4-4	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	104 ANB	
CS/IDS 121	3-0-6	Relational Databases	01	Hovik, M	TR 09:00 - 10:25	REMOTE	
CMS/CS/IDS 139	3-0-9	Analysis and Design of Algorithms	01	Vidick, T	MW 10:30 - 11:55	213 ANB	
Ma/ACM/IDS 140A	3-0-6	Probability	01	Vigneaux Ariztia, J	MWF 14:00 - 14:55	Hameetman Aud CHL	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Wierman, A	MWF 13:00 - 14:25	105 ANB	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	BCK AUD	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B280 MRE	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	South Tent ANB	

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INFORMATION AND DATA SCIENCES							
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Staff	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01	Wierman, A	A	A	P
			02	Zuev, K	A	A	P
			03	Murray, R	A	A	P
			04	Abu-Mostafa, Y	A	A	P
			05	Chandrasekaran, V	A	A	P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Perona, P	A	A	P
ACM/IDS 204	3-0-6	Topics in Linear Algebra and Convexity	01	Tropp, J	TR 10:30 - 11:55	104 ANB	
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	115 DAB	G
L 103B	3-0-6	Intermediate French <i>maximum enrollment: 15 students</i>	01	Merrill, T	M 15:00 - 15:55 TR 16:00 - 16:55	117 DAB 117 DAB	
L 105	3-0-6	Topics in French Literature <i>taught concurrently with Hum105</i>	01	Orcel, C	M 15:00 - 15:55 WF 13:00 - 13:55	115 DAB 115 DAB	
L 106B	4-0-5	Elementary Japanese <i>maximum enrollment: 15 students in section 1, 20 students in section 2</i>	01	Fujio, M	MTWR 15:00 - 15:55	B180 BBB	
			02	Fujio, M	MTWR 16:00 - 16:55	B180 BBB	
L 107B	3-0-6	Intermediate Japanese <i>maximum enrollment: 15 students // Taught by Dr. Hirai</i>	01	Toner, R	MW 16:00 - 17:25	115 DAB	
L 108B	3-0-6	Advanced Japanese <i>maximum enrollment: 15 students // Taught by Dr. Hirai</i>	01	Toner, R	TR 13:00 - 14:25	115 DAB	

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LANGUAGES							
L 110B	3-0-6	Elementary Spanish <i>maximum enrollment: 15 students per section</i>	01	Arjona, G	MW 19:00 - 20:25	Lounge DAB	
			02	Garcia, D	MWR 12:00 - 12:55	127 BAX	
L 112B	3-0-6	Intermediate Spanish <i>maximum enrollment: 15 students</i>	01	Garcia, D	TR 10:00 - 11:25	117 DAB	
L 114	3-0-6	Spanish Language Literature and its Film Adaptations <i>taught concurrently with Hum114 // maximum enrollment: 10 students</i>	01	Arjona, G	MW 17:00 - 18:25	Lounge DAB	
L 130B	3-0-6	Elementary German <i>maximum enrollment: 15 students</i>	01	Aebi, A	MWR 13:00 - 13:55	117 DAB	
L 132B	3-0-6	Intermediate German <i>maximum enrollment: 15 students</i>	01	Aebi, A	MWR 12:00 - 12:55	117 DAB	
L 170B	3-0-6	Introduction to Chinese <i>maximum enrollment: 15 students</i>	01	Wang, X	MTW 12:00 - 12:55	125 BAX	
L 171B	3-0-6	Elementary Chinese for Heritage Learners <i>maximum enrollment: 15 students</i>	01	Ming, F	MTW 16:00 - 16:55	125 BAX	
L 172B	3-0-6	Intermediate Chinese <i>maximum enrollment: 15 students</i>	01	Wang, X	MW 14:30 - 15:55	125 BAX	
L 173B	3-0-6	Advanced Chinese <i>maximum enrollment: 15 students</i>	01	Ming, F	MW 17:00 - 18:25	125 BAX	
MATERIALS SCIENCE							
MS 078B	+	Senior Thesis	01	Johnson, W	A	A	P
			02	Falson, J	A	A	P
			03	Greer, J	A	A	P
			04	Atwater, H	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			
			12	Daraio, C	A	A	P			
MS 078C	+	Senior Thesis	01	Ravichandran, G	A	A	P			
MS 100	+	Advanced Work in Materials Science	01	Faber, K	A	A	P			
			02	Fultz, B	A	A	P			
			03	Falson, J	A	A	P			
			04	Davis, M	A	A	P			
			07	Johnson, W	A	A	P			
			08	Minnich, A	A	A	P			
			09	Greer, J	A	A	P			
			10	Atwater, H	A	A	P			
			APh/MS 105B	3-0-6	States of Matter	01	Fultz, B	TR 09:00 - 10:25	104 WAT	
			MS 110B	1-0-0	Materials Research Lectures	01	Faber, K	W 16:00 - 16:55	153 NYS	P
ChE/ESE/ME/MS 111	3-0-6	Sustainable Engineering	01	Kornfield, J	TR 11:30 - 12:55	153 NYS				
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 <i>class closed // contact instructor for waitlist</i>	01	Ahn, C	OM,T 13:00 - 13:55	111 KCK				
MS 131	3-0-6	Structure and Bonding in Materials	01	Bernardi, M	TR 13:00 - 14:25	104 WAT				
MS 150B	3-0-6	Topics in Materials Science <i>class cancelled</i>	01	Staff	A	A				

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MATERIALS SCIENCE							
MS/APh 162	3-0-6	Electronic Materials	01	Falson, J	TR 10:30 - 11:55	104 WAT	
MS 200	+	Advanced Work in Materials Science	01	Ortiz, M	A	A	P
			02	Kornfield, J	A	A	P
			03	Atwater, H	A	A	P
			04	Minnich, A	A	A	P
			05	Fultz, B	A	A	P
			06	Goddard, W	A	A	P
			07	Gao, W	A	A	P
			08	Johnson, W	A	A	P
			09	Blake, G	A	A	P
			10	Greer, J	A	A	P
			11	Cushing, S	A	A	P
			12	Daraio, C	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
MS 300	+	Thesis Research	15	Faber, K	A	A	P
			16	Faraon, A	A	A	P
			17	Bernardi, M	A	A	P
			19	Yeh, N	A	A	P
			20	Ahn, C	A	A	P
			21	See, K	A	A	P
			22	Falson, J	A	A	P
			01	Atwater, H	A	A	P
02	Ortiz, M	A	A	P			
03	Rosakis, A	A	A	P			
04	Fultz, B	A	A	P			
05	Goddard, W	A	A	P			
06	See, K	A	A	P			
07	Johnson, W	A	A	P			
09	Greer, J	A	A	P			
11	Cross, M	A	A	P			

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MATERIALS SCIENCE							
MS 300	+	Thesis Research	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
			18	Falson, J	A	A	P
MATHEMATICS							
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1-5 Practical Track -- Sections 6-9 Analytical Track // maximum enrollment: 45 students per section</i>	01	Kechris, A	MWF 10:00 - 10:55 R 09:00 - 09:55	Ramo Auditorium BAX 107 DWN	P
			02	Kechris, A	MWF 10:00 - 10:55 R 10:00 - 10:55	Ramo Auditorium BAX 134 (Auditorium) BCK	P
			03	Kechris, A	MWF 10:00 - 10:55 R 13:00 - 13:55	Ramo Auditorium BAX Hameetman Aud CHL	P
			04	Kechris, A	MWF 10:00 - 10:55 R 14:00 - 14:55	Ramo Auditorium BAX 102 STL	P
			05	Kechris, A	MWF 10:00 - 10:55 R 10:00 - 10:55	Ramo Auditorium BAX 107 DWN	P
			06	Graber, T	MWF 10:00 - 10:55 R 13:00 - 13:55	119 KRK 119 KRK	P
			07	Graber, T	MWF 10:00 - 10:55 R 14:00 - 14:55	119 KRK 119 KRK	P
			08	Graber, T	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK Hameetman Aud CHL	P
			09	Graber, T	MWF 10:00 - 10:55 R 16:00 - 16:55	119 KRK 119 KRK	P
			Ma 001D	2-0-2	Series	01	Demiroglu, Y

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MATHEMATICS							
Ma 003	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 103 // maximum enrollment: 50 students per section</i>	01	Cvitanic, J	MWF 10:00 - 10:55 R 09:00 - 09:55	BCK AUD 102 STL	
			02	Cvitanic, J	MWF 10:00 - 10:55 R 10:30 - 11:25	BCK AUD 102 STL	
			03	Cvitanic, J	MWF 10:00 - 10:55 R 13:00 - 13:55	BCK AUD 107 DWN	
			04	Cvitanic, J	MWF 10:00 - 10:55 R 14:30 - 15:25	BCK AUD Hameetman Aud CHL	
			05	Cvitanic, J	MWF 10:00 - 10:55 R 09:00 - 09:55	BCK AUD 103 DWN	
			06	Cvitanic, J	MWF 10:00 - 10:55 R 10:30 - 11:25	BCK AUD 103 DWN	
			07	Cvitanic, J	MWF 10:00 - 10:55 R 13:00 - 13:55	BCK AUD 103 DWN	
			08	Cvitanic, J	MWF 10:00 - 10:55 R 14:30 - 15:25	BCK AUD B111 DWN	
Ma 005B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105b</i>	01	Aluffi, P	MWF 09:00 - 09:55	Hameetman Aud CHL	
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Schuelke, B	MWF 13:00 - 13:55	310 LINDE	
Ma 013	2-0-0	Problem Solving in Vector Calculus	01	Demiroglu, Y	TR 19:30 - 20:55	Hameetman Aud CHL	P
Ma 092B	+	Senior Thesis	01	Mantovan, E	A	A	P
			02	Marcolli, M	A	A	P
			03	Burungale, A	A	A	P
			04	Zhu, X	A	A	P
			05	Katz, N	A	A	P
Ma 097	+	Research in Mathematics	01	Burungale, A	A	A	P
			02	Mantovan, E	A	A	P
			03	Szumowicz, A	A	A	P
			04	Conlon, D	A	A	P

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MATHEMATICS							
Ma 097	+	Research in Mathematics	05	Tamuz, O	A	A	P
Ma 098	+	Independent Reading	01	Katz, N	A	A	P
			02	Chen, L	A	A	P
			03	Flach, M	A	A	P
Ma 103	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 3</i>	01	Cvitanic, J	MWF 10:00 - 10:55 R 13:00 - 13:55	BCK AUD 107 DWN	
Ma 105B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5b</i>	01	Aluffi, P	MWF 09:00 - 09:55	Hameetman Aud CHL	
Ma/CS 106B	3-0-6	Introduction to Discrete Mathematics	01	Schuelke, B	MWF 13:00 - 13:55	310 LINDE	
Ma 108B	3-0-6	Classical Analysis	01	Wu, S	MWF 11:00 - 11:55	Hameetman Aud CHL	
Ma 109B	3-0-6	Introduction to Geometry and Topology	01	Karpukhin, M	MWF 10:00 - 10:55	Hameetman Aud CHL	
Ma 110B	3-0-6	Analysis	01	Rains, E	MWF 11:00 - 11:55	387 LINDE	
Ma 116B	3-0-6	Mathematical Logic and Axiomatic Set Theory	01	Vidnyanszky, Z	TR 13:00 - 14:25	310 LINDE	
Ma 120B	3-0-6	Abstract Algebra	01	Zhu, X	MWF 09:00 - 09:55	387 LINDE	
Ma 130B	3-0-6	Algebraic Geometry	01	Oswal, A	MWF 13:00 - 13:55	289 LINDE	
Ma/ACM/IDS 140A	3-0-6	Probability	01	Vigneaux Ariztia, J	MWF 14:00 - 14:55	Hameetman Aud CHL	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations	01	Angelopoulos, I	TR 09:00 - 10:25	387 LINDE	

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MATHEMATICS							
Ma 151B	3-0-6	Algebraic and Differential Topology	01	Ni, Y	MWF 10:00 - 10:55	387 LINDE	
Ma 157B	3-0-6	Riemannian Geometry	01	Smillie, P	MWF 13:00 - 13:55	255 LINDE	
Ma 160B	3-0-6	Number Theory	01	Burungale, A	TR 13:00 - 14:25	187 LINDE	
Ma 191B	3-0-6	Selected Topics in Mathematics <i>Section 1: An introduction to Shimura varieties</i> <i>// Section 2: Bruhat-Tits buildings</i>	01	Zhu, X	MW 10:30 - 11:55	289 LINDE	
			02	Szumowicz, A	TR 14:30 - 15:55	289 LINDE	
Ma 290	+	Reading	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P
			03	Graber, T	A	A	P
			04	Hutcherof, T	A	A	P
			05	Isett, P	A	A	P
			06	Katz, N	A	A	P
			07	Kechris, A	A	A	P
			08	Makarov, N	A	A	P
			09	Mantovan, E	A	A	P
			10	Marcolli, M	A	A	P
			12	Ni, Y	A	A	P
			13	Radziwill, M	A	A	P
			14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Yu, T	A	A	P
			17	Zhu, X	A	A	P
			18	Gukov, S	A	A	P
			19	Kapustin, A	A	A	P
			20	Kitaev, A	A	A	P
			21	Oguri, H	A	A	P
			22	Tamuz, O	A	A	P
			23	Cvitanic, J	A	A	P
			24	Owhadi, H	A	A	P

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MATHEMATICS							
Ma 290	+	Reading	25	Burungale, A	A	A	P
Ma 390	+	Research	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P
			03	Hutchcroft, T	A	A	P
			04	Graber, T	A	A	P
			05	Isett, P	A	A	P
			06	Katz, N	A	A	P
			07	Kechris, A	A	A	P
			08	Makarov, N	A	A	P
			09	Mantovan, E	A	A	P
			10	Marcolli, M	A	A	P
			12	Ni, Y	A	A	P
			13	Radziwill, M	A	A	P
			14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Yu, T	A	A	P
			17	Zhu, X	A	A	P
			18	Gukov, S	A	A	P
			19	Kapustin, A	A	A	P
			20	Kitaev, A	A	A	P
			21	Oguri, H	A	A	P
			22	Tamuz, O	A	A	P
			23	Cvitanic, J	A	A	P
			24	Owhadi, H	A	A	P
			25	Burungale, A	A	A	P
			26	Wang, L	A	A	P
MECHANICAL ENGINEERING							
ME 011B	3-0-6	Thermal Science	01	Blanquart, G	MWF 14:00 - 14:55	135 GTL	G

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MECHANICAL ENGINEERING							
ME 012B	3-0-6	Mechanics	01	Daraio, C	TR 13:00 - 14:25	135 GTL	
ME 013	0-4-0	Mechanical Prototyping <i>Max enrollment: 36 students between ME13 and 113. // Class meets in B224 SPL // Students must submit a questionnaire at https://registrar.caltech.edu/ME13-113WI2022 // Students will be notified of acceptance on Nov 29 // OM will be Zoom meeting, NOT in person</i>	01	Stovall, P	OM,W 15:00 - 15:55	REMOTE	P
ME 050A	0-6-3	Experiments and Modeling in Mechanical Engineering	01	Mello, M	MW 10:30 - 11:55	135 GTL	
ME 072B	1-8-0	Engineering Design Laboratory	01	Mello, M / Stovall, P	TR 15:00 - 16:25	135 GTL	G
ME 090B	0-9-0	Senior Thesis, Experimental	01	Minnich, A	A	A	G
ME 100	+	Independent Studies in Mechanical Engineering	01	Colonus, 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
			07	Tai, Y	A	A	P
			08	Hunt, M	A	A	P
			09	Minnich, A	A	A	P
			10	Fu, X	A	A	P
			11	Blanquart, G	A	A	P
			12	Perona, P	A	A	P
			13	Doyle, J	A	A	P
			14	Daraio, C	A	A	P
			15	Gharib, M	A	A	P
			16	Murray, R	A	A	P
			17	McKeon, B	A	A	P
			18	Mawet, D	A	A	P

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MECHANICAL ENGINEERING							
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	115 GTL	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	MWF 09:00 - 09:55	135 GTL	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01 02 03 04 05	Shepherd, J Scherer, A Ravichandran, G Burdick, J Ames, A	A A A A A	A A A A A	
ChE/ESE/ME/MS 111	3-0-6	Sustainable Engineering	01	Kornfield, J	TR 11:30 - 12:55	153 NYS	
ME 113	0-4-0	Mechanical Prototyping <i>Max enrollment: 36 students between ME13 and 113. // Class meets in B224 SPL // Students must submit a questionnaire at https://registrar.caltech.edu/ME13-113WI2022 // Students will be notified of acceptance on Nov 29 // OM will be Zoom meeting, NOT in person</i>	01	Stovall, P	OM,W 15:00 - 15:55	REMOTE	P
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
ME 119	3-0-6	Heat and Mass Transfer	01	Hunt, M	TR 09:00 - 10:25	135 GTL	
ME/CS/EE 133B	3-3-3	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
ME/CS/EE 134	3-6-0	Robotic Systems	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
ME/CE/Ge/ESE 146	3-0-6	Computational Methods for Flow in Porous Media	01	Fu, X	T 16:00 - 17:25 F 10:00 - 11:25	115 GTL 135 GTL	P
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P

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MECHANICAL ENGINEERING							
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Lapusta, N	MW 14:30 - 15:55	115 GTL	
ESE/ME/EST/Ec/ChE/	3-0-0	Climate Change Impacts, Mitigation and Adaptation	01	Wennberg, P	MW 13:00 - 13:55	119 KRK	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Ravichandran, G	A	A	P
			05	Brady, J	A	A	P
Ae/AM/CE/ME 214	3-5-1	Computational Solid Mechanics	01	Pellegrino, S	TR 16:30 - 17:55	133 GUG	
Ae/AM/ME 215	3-0-6	Dynamic Behavior of Materials	01	Ravichandran, G	TR 13:00 - 14:25	232 GUG	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Meiron, D	M 15:00 - 15:55 WF 13:00 - 13:55	133 GUG 133 GUG	
ME/CDS/EE 234A	3-3-3	Advanced Robotics	01	Burdick, J	TR 16:30 - 17:55	115 GTL	
ME 300	+	Research in Mechanical Engineering	01	Blanquart, G	A	A	P
			02	Fultz, B	A	A	P
			03	Burdick, J	A	A	P
			04	Colonus, T	A	A	P
			05	Chung, S	A	A	P
			06	Hunt, M	A	A	P
			07	Murray, R	A	A	P
			08	Lewis, N	A	A	P
			09	Bhattacharya, K	A	A	P
			10	Shepherd, J	A	A	P
			11	Andrade, J	A	A	P
			12	Bellan, P	A	A	P
			13	Leonard, A	A	A	P
			14	Ortiz, M	A	A	P
			15	Pachter, L	A	A	P

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	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
			27	McKeon, B	A	A	P
			28	Hoffmann, M	A	A	P
			29	Asimaki, D	A	A	P
			30	Minnich, A	A	A	P
			31	van de Walle, A	A	A	P
			32	Scherer, A	A	A	P
			33	Ames, A	A	A	P
			34	Pellegrino, S	A	A	P
			35	Heath, J	A	A	P
			37	Schneider, T	A	A	P
			38	Stuart, A	A	A	P
			39	Rosakis, A	A	A	P
			40	Dabiri, J	A	A	P
41	Fu, X	A	A	P			
42	Heaton, T	A	A	P			
43	Bae, H	A	A	P			
44	Avouac, J	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

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MEDICAL ENGINEERING							
MedE 099	+	Undergraduate Research in Medical Engineering	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	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	151 CRL	
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 15:30 - 17:25	142 KCK	
MedE 201A	3-0-6	Principles and Design of Medical Devices	01	Gao, W	MW 13:00 - 14:25	142 KCK	G
MedE 202	3-0-6	Sensors in Medicine	01	Gao, W	MW 09:00 - 10:25	142 KCK	G
MedE/BE/Ae 243	3-0-6	Physiological Mechanics <i>class cancelled</i>	01	Roh, C	A	A	G
MedE 291	+	Research in Medical Engineering	01	Burdick, J	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

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MEDICAL ENGINEERING							
MedE 291	+	Research in Medical Engineering	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
			23	Pachter, L	A	A	P
			24	Thomson, M	A	A	P
MUSIC							
Mu 058	3-0-6	Harmony I <i>maximum enrollment: 20 students</i>	01	Brown, R	MW 11:00 - 12:25	Lounge DAB	
Mu 138	3-0-6	History II: Music History from 1750 to 1850 <i>maximum enrollment: 25 students</i>	01	Brown, R	MW 14:00 - 15:25	Lounge DAB	
NEUROBIOLOGY							
NB/Bi/CNS 163	3-0-3	The Biological Basis of Neural Disorders	01	Lester, H / Lois, C	MW 09:00 - 10:25	B101 BBB	G
CNS/Bi/EE/CS/NB 186 4-4-4		Vision: From Computational Theory to Neuronal Mechanisms	01	Shimojo, S / Perona, P / Meister, M / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P
			03	Andersen, R	A	A	P
			04	Anderson, D	A	A	P
			05	Bronner Hansen, M	A	A	P
			06	Dickinson, M	A	A	P
			07	Gradinaru, V	A	A	P
			08	Hong, E	A	A	P
			09	Kennedy, M	A	A	P
			10	Lester, H	A	A	P
			11	Lois, C	A	A	P

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NEUROBIOLOGY							
NB 299	+	Graduate Research	12	Meister, M	A	A	P
			13	Oka, Y	A	A	P
			14	Prober, D	A	A	P
			15	Roukes, M	A	A	P
			16	Shapiro, M	A	A	P
			17	Shimojo, S	A	A	P
			18	Siapas, A	A	A	P
			19	Sternberg, P	A	A	P
			20	Tsao, D	A	A	P
			21	Wagenaar, D	A	A	P
			22	Zinn, K	A	A	P
			23	Parker, J	A	A	P
			24	Yue, Y	A	A	P
PERFORMING AND VISUAL ARTS							
PVA030B	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	Fr Rehearsal Hall HAM	P
			02	Elgart, M	T 15:30 - 16:25	Fr Rehearsal Hall HAM	P
			03	Elgart, M	T 17:30 - 18:25	Fr Rehearsal Hall HAM	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	Fr Rehearsal Hall HAM	P
			02	Ward, R	OM,A	Fr Rehearsal Hall HAM	P
			03	Elgart, M	OM,A	Fr Rehearsal Hall HAM	P
PVA032B	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:15	Fr Rehearsal Hall HAM	P
PVA033B	0-3-0	Wind Orchestra	01	Price, G	R 19:30 - 21:45	Fr Rehearsal Hall HAM	P
PVA034B	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:30 - 21:15	Fr Rehearsal Hall HAM	P
					W 21:30 - 22:55	Fr Rehearsal Hall HAM	

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PERFORMING AND VISUAL ARTS							
PVA035B	0-3-0	Glee Club	01	Sulahian, N	M 19:00 - 20:25 W 17:05 - 18:35	Fr Rehearsal Hall HAM Fr Rehearsal Hall HAM	P
PVA037B	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 21:55	Fr Rehearsal Hall HAM	P
PVA040B	2-0-1	Moth to the Flame	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 <i>max enrollment: 20 students</i>	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PVA062B	0-3-0	Drawing and Painting <i>max enrollment: 17 students in section 1 and 20 students in section 2</i>	01 02	Barry, J Barry, J	T 19:00 - 21:55 W 19:00 - 21:55	Garage TCT Garage TCT	P P
PVA063B	0-3-0	Ceramics <i>maximum enrollment: 10 students</i>	01	Plunkett, L	R 19:00 - 21:55	POLY	P
PHILOSOPHY							
Hum/PI 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	Quartz, S Quartz, S	TR 13:00 - 14:25 TR 14:30 - 15:55	127 BAX 127 BAX	
Hum/PI 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	127 BAX 9th Floor Caltech Hall	
PI 090A	1-0-8	Senior Thesis	01	Quartz, S	A	A	G
PI 090B	1-0-8	Senior Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	

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PHILOSOPHY							
PI 098	+	Reading in Philosophy	01	Staff	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>maximum enrollment: 15 students</i>	01	Sebens, C	TR 10:30 - 11:55	125 BAX	
HPS/PI 123	3-0-6	Introduction to the Philosophy of Physics <i>maximum enrollment: 20 students</i>	01	Sebens, C	TR 14:30 - 15:55	Lounge DAB	
PHYSICAL EDUCATION							
PE 001	3-0-0	Wellness <i>maximum enrollment: 18 students</i>	01	Beene, S	TR 10:30 - 11:55	BAC	P
PE 002	3-0-0	Student Designed Fitness <i>may only be taken once // maximum enrollment: 18 students</i>	01	Gillis, D	TR 14:30 - 15:55	BAC	P
PE 003	3-0-0	Hiking <i>may only be taken once // maximum enrollment: 18 students</i>	01	Gould, E	F 09:00 - 12:55	BAC	P
PE 005	3-0-0	Beginning Running <i>maximum enrollment: 12 students</i>	01	Blake, K	MW 09:00 - 10:25	BAC	P
PE 006	3-0-0	Core Training, Beginning/Intermediate <i>class cancelled</i>	01	Gamble, M	A	A	P
PE 010	3-0-0	Aerobic Dance <i>maximum enrollment: 12 students</i>	01	Waterman, D	MW 15:00 - 16:25	BAC	P
PE 024	3-0-0	Yoga, Beginning <i>maximum enrollment: 12 students per section</i>	01	Chiang, N	MW 11:00 - 12:25	BAC	P
			02	Chiang, N	TR 09:00 - 10:25	BAC	P
PE 027	3-0-0	Frisbee Golf <i>maximum enrollment: 18 students // Ultimate Frisbee</i>	01	Jordan, J	MW 14:00 - 15:25	BAC	P
PE 031	3-0-0	Indoor/Outdoor Cycling <i>maximum enrollment: 12 students</i>	01	Morgan, H	TR 09:00 - 10:25	BAC	P

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PHYSICAL EDUCATION							
PE 036	3-0-0	Swimming, Beginning/Intermediate <i>Beginning Swimming // maximum enrollment: 12 students</i>	01	Morgan, H	TR 13:00 - 14:25	BAC	P
PE 050	3-0-0	Badminton, Beginning/Intermediate <i>maximum enrollment: 12 students</i>	01	Whitehead, K	MW 11:00 - 12:25	BAC	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate <i>maximum enrollment: 12 students</i>	01	Gardner, T	TR 10:30 - 11:55	BAC	P
PE 056	3-0-0	Squash, Beginning, Intermediate, Advanced <i>maximum enrollment: 8 students</i>	01	Cohen, J	MW 13:00 - 14:25	BAC	P
PE 060	3-0-0	Tennis, Beginning and Intermediate <i>Beginning Tennis // maximum enrollment: 12 students</i>	01	Becker, M	TR 10:30 - 11:55	BAC	P
PE 077	3-0-0	Volleyball, Beginning and Intermediate <i>maximum enrollment: 18 students</i>	01	Gardner, T	TR 13:00 - 14:25	BAC	P
PE 085A	3-0-0	Intercollegiate Track and Field Teams <i>Open to NCAA eligible students only // men and women</i>	01	Blake, K	MTWRFS 16:00 - 17:55	BAC	P
PE 087B	3-0-0	Intercollegiate Swimming and Diving Teams <i>Open to NCAA eligible students only</i>	01	Brabson, A	MTWRFS 16:00 - 17:55	BAC	P
PE 090B	3-0-0	Intercollegiate Water Polo Teams <i>Open to NCAA eligible students only // men and women</i>	01	Bonafede, J	MTWRFS 16:00 - 17:55	BAC	P
PE 091B	3-0-0	Intercollegiate Basketball Teams <i>Open to NCAA eligible students only</i>	01	Reyes, B / Eslinger, O	MTWRFS 16:00 - 17:55	BAC	P
PE 093A	3-0-0	Intercollegiate Baseball Team <i>Open to NCAA eligible students only</i>	01	Whitehead, K	MTWRFS 16:00 - 17:55	BAC	P
PE 095A	3-0-0	Intercollegiate Tennis Teams <i>Open to NCAA eligible students only</i>	01	Gamble, M / Cohen, J	MTWRFS 16:00 - 17:55	BAC	P
PHYSICS							

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PHYSICS										
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	01	Refael, G	WF 15:00 - 15:55	BCK AUD	P			
					MR 13:00 - 13:55	102 STL				
			02	Refael, G	WF 15:00 - 15:55	BCK AUD	P			
					MR 13:00 - 13:55	269 LAU				
			03	Refael, G	WF 15:00 - 15:55	BCK AUD	P			
					MR 15:00 - 15:55	REMOTE				
			04	Refael, G	WF 15:00 - 15:55	BCK AUD	P			
					MR 15:00 - 15:55	102 STL				
			05	Refael, G	WF 15:00 - 15:55	BCK AUD	P			
					MR 15:00 - 15:55	310 LINDE				
Ph 002B	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Cheung, C	TR 11:00 - 11:55	BCK AUD	G			
					WF 11:00 - 11:55	103 DWN				
			02	Cheung, C	TR 11:00 - 11:55	BCK AUD	G			
					WF 13:00 - 13:55	102 STL				
			03	Cheung, C	TR 11:00 - 11:55	BCK AUD	G			
					WF 15:00 - 15:55	102 STL				
			Ph 003	0-3-3	Introductory Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	W 13:00 - 15:55	308 BRG	
						02	Black, E / Libbrecht, K	R 13:00 - 15:55	308 BRG	
						03	Black, E / Libbrecht, K	F 13:00 - 15:55	308 BRG	
						04	Black, E / Libbrecht, K	M 13:00 - 15:55	308 BRG	
05	Black, E / Libbrecht, K	T 13:00 - 15:55				308 BRG				

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PHYSICS							
Ph 006	0-9-0	Physics Laboratory <i>maximum enrollment: 40 students</i>	01	Rice, F / Politzer, H	OM,T 16:00 - 16:55	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	201 BRG	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 070	2-0-4	Oral and Written Communication	01	Hitlin, D	T 14:00 - 15:55	469 LAU	G
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 078B	+	Senior Thesis (Experiment)	01	Libbrecht, K	A	A	P
Ph 079B	+	Senior Thesis (Theory)	01	Libbrecht, K	A	A	P
Ph 106B	4-0-5	Topics in Classical Physics	01	Golwala, S	MWF 11:00 - 11:55	201 BRG	

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PHYSICS							
APh/Ph 112A	3-0-6	Noise and Stochastic Resonance	01	Troian, S	TR 14:30 - 15:55	142 KCK	
Ph 121B	0-6-0	Computational Physics Lab	01	Simmons-Duffin, D	OM,T 10:30 - 11:25	187 LINDE	P
Ph 125B	4-0-5	Quantum Mechanics	01	Porter, F	MWF 10:00 - 10:55	201 BRG	
Ph 127B	4-0-5	Statistical Physics of Interacting Systems, Phases, and Phase Transitions	01	Motrunich, O	MW 13:00 - 14:25	201 BRG	
Ph 129B	4-0-5	Mathematical Methods of Physics <i>Analytic Methods</i>	01	Chatziaoannou, K	MW 14:30 - 15:55	201 BRG	
Ph/APh 137B	3-0-6	Atoms and Photons	01	Endres, M	TR 10:30 - 11:55	469 LAU	
Ph 139	3-0-6	Introduction to Elementary Particle Physics	01	Weinstein, A	TR 14:00 - 15:25	103 DWN	
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 Lins Brandao, F	A	A	P
			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

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PHYSICS							
Ph 171	+	Reading and Independent Study	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
			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

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PHYSICS							
Ph 171	+	Reading and Independent Study	50	Teukolsky, S	A	A	P
			51	Trojan, 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
			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

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PHYSICS							
Ph 172	+	Research in Physics	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
			38	Simmons-Duffin, D	A	A	P
			39	Refael, G	A	A	P
			40	Preskill, J	A	A	P
			41	Bernardi, M	A	A	P
			42	Hopkins, P	A	A	P
			43	Kapustin, A	A	A	P
			44	Gukov, S	A	A	P
			45	Cheung, C	A	A	P
			46	Chen, Y	A	A	P
			47	Chen, X	A	A	P
			48	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			49	Faraon, A	A	A	P
			50	Alicea, J	A	A	P
			51	Bellan, P	A	A	P
			52	Teukolsky, S	A	A	P
			53	Ravi, V	A	A	P
54	Zurek, K	A	A	P			
56	Chan, G	A	A	P			
57	Chatzioannou, K	A	A	P			
58	Dore, O	A	A	P			

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PHYSICS							
Ph 172	+	Research in Physics	61	Bradford, C	A	A	P
Ph 177	0-4-5	Advanced Experimental Physics	01	Hutzler, N / Rice, F	OM,M 16:00 - 16:55	304 BRG	
Ph 205B	3-0-6	Relativistic Quantum Field Theory	01	Zurek, K	MW 10:30 - 11:55	269 LAU	
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 229B	3-0-6	Advanced Mathematical Methods of Physics <i>class cancelled - to be offered spring term</i>	01	Kapustin, A	A	A	P
Ph 236B	3-0-6	Relativity	01	Teukolsky, S	TR 14:30 - 15:55	269 LAU	P
Ph 242B	2-0-2	Physics Seminar	01	Patterson, R	F 11:00 - 12:15	269 LAU	P
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P

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PHYSICS							
Ph 300	+	Thesis Research	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
			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

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PHYSICS							
Ph 300	+	Thesis Research	47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P
			56	Zmuidzinas, J	A	A	P
			57	Marcolli, M	A	A	P
			58	Ravi, V	A	A	P
			59	Chatziaoannou, K	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: 15 students</i>	01	Ordeshook, P	TR 14:30 - 15:55	B119 BAX	G
BEM/Ec/PS 080	1-0-2	Frontiers in Social Sciences	01	Cvitanic, J	T 12:00 - 12:55	127 BAX	P
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
PS 099A	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Alvarez, R	A	A	
			02	Ordeshook, P	A	A	
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Alvarez, R	A	A	

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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 19:30 - 21:30	REMOTE	G
PS 125	3-0-6	Analyzing Political Conflict and Violence	01	Gibilisco, M	TR 10:30 - 11:55	B119 BAX	
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 12 students // Designated as Writing Intensive Course</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
PS 132	3-0-6	Formal Theories in Political Science	01	Agranov, M	MW 13:00 - 14:25	128 BAX	
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	T 14:30 - 16:30	REMOTE	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	MW 12:30 - 13:55	B115 BAX	G
PSYCHOLOGY							
CNS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 CNRB	
Psy120	3-0-6	Metascience: The Science of Being an Impactful Scientist <i>class closed // contact instructor for waitlist</i>	01	Mobbs, D	F 10:30 - 13:25	B125 BAX	
Psy283B	1.5-0-1.5	Graduate Proseminar in Social and Decision Neuroscience <i>this course is only open to graduate students in the Social and Decision Neuroscience, Computational and Neural Systems and Social Science PhD programs</i>	01	Rangel, A	F 13:00 - 14:25	128 BAX	P

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PSYCHOLOGY							
SS/Psy/CNS 285	1.5-0-1.5	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L	M 17:00 - 17:55	B125 BAX	P
SCIENTIFIC AND ENGINEERING COMMUNICATION							
SEC010	3-0-0	Technical Seminar Presentations <i>maximum enrollment: 18 students per section //</i> <i>http://registrar.caltech.edu/SEC10WaitlistForm</i>	01	Javier, R / Dabiri, M	MWF 09:00 - 09:55	B270 MRE	G
			02	Javier, R / Dabiri, M	MWF 10:00 - 10:55	B270 MRE	G
			03	Javier, R / Dabiri, M	MWF 11:00 - 11:55	B270 MRE	G
SEC011	1-0-2	Written Academic Communication in Engineering and Applied Science <i>Limited to seniors in E&AS only // maximum enrollment: 20 students // go to</i> <i>http://registrar.caltech.edu/SEC11-12-13WaitlistForm to be added to waitlist when class is full</i>	01	Meyer, V	R 12:00 - 12:55	104 WAT	G
SEC012	1-0-2	Written Professional Communication in Engineering and Applied Science <i>Limited to seniors in E&AS only // maximum enrollment: 20 students // go to</i> <i>http://registrar.caltech.edu/SEC11-12-13WaitlistForm to be added to waitlist when class is full</i>	01	Alex, B	F 13:00 - 13:55	104 WAT	G
SEC013	1-0-2	Written Communication about Engineering and Applied Science to Non-Specialists <i>Limited to seniors in E&AS only // maximum enrollment: 20 students // go to</i> <i>http://registrar.caltech.edu/SEC11-12-13WaitlistForm to be added to waitlist when class is full</i>	01	Burkett, E	W 11:00 - 11:55	104 WAT	G
SOCIAL SCIENCE							
SS 201B	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only</i>	01	Saito, K	TR 10:30 - 11:55	228 BAX	G

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SOCIAL SCIENCE							
SS 202B	3-0-6	Political Theory <i>Open to Social Science graduate students only</i>	01	Katz, J	F 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	Tamuz, O	MW 14:30 - 15:55	237 BAX	G
SS 210B	3-0-6	Foundations of Political Economy	01	Gibilisco, M	W 09:00 - 11:55	127 BAX	G
SS 211B	3-0-6	Advanced Economic Theory	01	Pomatto, L	TR 09:00 - 10:25	228 BAX	G
SS 212B	3-0-6	Experimental Economics	01	Nielsen, K	TR 10:30 - 11:55	B105 BAX	
SS 213B	3-0-6	Financial Economics	01	Jin, J	M 09:00 - 11:55	127 BAX	G
SS 222B	3-0-6	Econometrics	01	Sherman, R	TR 13:00 - 14:25	B125 BAX	G
SS 223B	3-0-6	Topics in Theoretical and Applied Econometrics <i>Open to graduate students only</i>	01	Shum, M	F 14:00 - 16:55	125 BAX	G
SS 229A	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Hoffman, P	TR 11:00 - 12:25	B133 BAX	G
SS 231B	3-0-6	American and Comparative Politics	01	Alvarez, R	T 13:00 - 15:55	103 BAX	G
SS 260	3-3-3	Experimental Methods of Political Economy <i>Taught concurrently with Ec/PS 160B // Maximum 10 students for both Ec 160 & SS 260 //sec a required for secs b & c</i>	01	Plott, C	MW 12:30 - 13:55	B115 BAX	G
SS 282B	1.5-0-1.5	Graduate Proseminar in Social Science	01	Gibilisco, M	M 14:30 - 15:55	B125 BAX	P
SS/Psy/CNS 285	1.5-0-1.5	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L	M 17:00 - 17:55	B125 BAX	P

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SOCIAL SCIENCE							
SS 300	+	Research in Social Science	01	Adolphs, R	A	A	P
			02	Palfrey, T	A	A	P
			03	Gillen, B	A	A	P
			04	O'Doherty, J	A	A	P
			05	Jin, J	A	A	P
			06	Katz, J	A	A	P
			07	Kiewiet, D	A	A	P
			08	Echenique, F	A	A	P
			09	Tamuz, O	A	A	P
			10	Plott, C	A	A	P
			11	Alvarez, R	A	A	P
			12	Camerer, C	A	A	P
			13	Agranov, M	A	A	P
			14	Cvitanic, J	A	A	P
			15	Snowberg, E	A	A	P
			16	Rosenthal, J	A	A	P
			17	Hirsch, A	A	A	P
			18	Shum, M	A	A	P
			19	Rangel, A	A	A	P
			20	Yariv, L	A	A	P
			21	Perona, P	A	A	P
			22	Sprenger, C	A	A	P
			23	Hoffman, P	A	A	P
			24	O'Doherty, J	A	A	P
			25	O'Doherty, J	A	A	P
			26	Lester, H	A	A	P
			27	Mobbs, D	A	A	P
			28	Sherman, R	A	A	P
STUDENT ACTIVITIES							
SA 016B	0-3-0	Cooking Basics <i>class cancelled</i>	01	Staff	A	A	P

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STUDENT ACTIVITIES							
SA 042	0-2-2	Computer Science Education in K-14 Settings Practicum <i>enrollment by application instructor permission required to add</i>	01	Ralph, C / Wierman, A	F 12:00 - 15:55	106 ANB	P
SA 080B	1-1-1	Health Advocates <i>maximum enrollment: 24 students per section</i>	01	Stapf, M	W 19:00 - 21:55	132 YHC	P
			02	Stapf, M	R 19:00 - 21:55	132 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
VISUAL CULTURE							
Hum/VC 051	3-0-6	Icons and Iconoclasm <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Jacobson, B	TR 09:00 - 10:25	TR DAB	
VC 054	3-0-3	Relative to You: Representing Scale in Art and Science <i>maximum enrollment: 15 students // class closed, see instructor for waitlist</i>	01	Halloran, E	TR 09:00 - 10:25	Lounge DAB	
VC 150	3-0-6	Art Museum Futures <i>maximum enrollment: 15 students</i>	01	Decemvirale, J	T 19:00 - 21:55	127 BAX	
VC 159	3-0-6	Los Angeles As Artwork <i>maximum enrollment: 15 students // class closed, see instructor for waitlist</i>	01	Decemvirale, J	R 19:00 - 21:55	127 BAX	

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VISUAL CULTURE							
VC/H/HPS 163	3-0-6	Science on Screen <i>maximum enrollment: 15 students</i>	01	Shell, H	TR 10:30 - 11:55	128 BAX	
VC 175	3-0-6	The Art of Science <i>maximum enrollment: 15 students // class closed, see instructor for waitlist</i>	01	Jacobson, B	TR 14:30 - 15:55	254 SMD	
WRITING							
Wr 004	1-0-2	Principles and Practices of Academic Writing <i>instructor permission required before enrolling</i>	01	Hall, S	W 09:00 - 09:55	B125 BAX	P
Wr 050	+	Tutorial in Writing <i>individually scheduled class times</i>	01	Daley, C	A	A	P
			02	Hall, S	A	A	P