

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


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

**GRADING SCHEME**


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

**TIMES/LOCATION/UNITS**


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

**DAYS OF THE WEEK**


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

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<b>AEROSPACE</b>							
Ae 100	+	Research in Aerospace	01	Culick, F	A	A	P
			02	Ravichandran, G	A	A	P
			03	Rosakis, A	A	A	P
			04	Meiron, D	A	A	P
			05	Dimotakis, P	A	A	P
			06	McKeon, B	A	A	P
			07	Blanquart, G	A	A	P
			08	Daraio, C	A	A	P
			09	Shepherd, J	A	A	P
			10	Gharib, M	A	A	P
			11	Chung, S	A	A	P
			12	Pellegrino, S	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Pullin, D	MWF 10:00 - 10:55	A	G
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Ravichandran, G	MWF 09:00 - 10:25	A	G
Ae 103B	3-0-6	Aerospace Control Systems	01	Fragoso, A	TR 14:30 - 15:55	A	
Ae 105C	0-8-1	Space Engineering	01	Chung, S	TR 16:30 - 17:55	A	G
APh/Ph/Ae 116	3-0-6	Physics of Thermal and Mass Transport in Hydrodynamic Systems	01	Troian, S	A	A	
Ae/ME 120A	3-0-6	Combustion Fundamentals	01	Blanquart, G	MWF 14:00 - 14:55	A	G
Ae 121C	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	A	
Ae 150C	1-0-0	Aerospace Engineering Seminar	01	Meiron, D	M 13:00 - 13:55	A	P
Ae 200	+	Advanced Research in Aerospace	01	Bellan, P	A	A	P
			02	Schneider, T	A	A	P

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<b>AEROSPACE</b>							
Ae 200	+	Advanced Research in Aerospace	03	Pellegrino, S	A	A	P
			04	Dimotakis, P	A	A	P
			05	Gharib, M	A	A	P
			06	Hornung, H	A	A	P
			07	McKeon, B	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	Bhattacharya, K	A	A	P
			15	Colonus, T	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	Chung, S	A	A	P
			22	Blanquart, G	A	A	P
			23	Kochmann, D	A	A	P
			24	Greer, J	A	A	P
			25	Gurnis, M	A	A	P
			26	Minnich, A	A	A	P
			27	Johnson, J	A	A	P
			28	Austin, J	A	A	P
			29	Kulkarni, S	A	A	P
			30	Meiron, D	A	A	P
			31	Burdick, J	A	A	P
			32	Asimaki, 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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<b>AEROSPACE</b>							
Ae 200	+	Advanced Research in Aerospace	36	Dabiri, J	A	A	P
Ae 204B	3-0-6	Technical Fluid Mechanics	01	Gharib, M	MWF 09:00 - 09:55	A	
Ae 208C	1-0-0	GALCIT Colloquium	01	McKeon, B / Chung, S	F 15:00 - 15:55	A	P
ME/MS/Ae/AM 224	3-0-6	Multifunctional Materials	01	Bhattacharya, K	TR 13:00 - 14:25	A	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Pullin, D	MWF 08:00 - 08:55	A	
Ae 234B	3-0-6	Hypersonic Aerodynamics	01	Austin, J	MW 13:30 - 14:55	A	
Ae 240	+	Special Topics in Fluid Mechanics <i>Section 1: Educational Exchange (Pass-Fail only)</i>	01	Meiron, D	A	A	P
<b>ANTHROPOLOGY</b>							
An 016	3-0-6	World Archeology	01	Alex, B	TR 14:30 - 15:55	A	
An 097	+	Undergraduate Research	01	Staff	A	A	P
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM011	2-2-2	Introduction to Matlab and Mathematica	01	Qian, E	M 13:00 - 14:55	A	
ACM080C	+	Undergraduate Thesis	01	Staff	A	A	P
ACM081C	+	Undergraduate Projects in Applied and Computational Mathematics	01	Chandrasekaran, V	A	A	P

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<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM095B	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Meiron, D	MWF 11:00 - 12:15	A	
ACM100B	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Meiron, D	MWF 11:00 - 12:15	A	
ACM109	3-3-3	Mathematical Modelling <i>for undergraduates: instructor permission required prior to enrollment // maximum enrollment: 24 students</i>	01	Stuart, A	TR 09:00 - 10:25 TR 14:30 - 15:55	A A	
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	A	
ACM/EE/IDS 170	3-0-9	Mathematics of Signal Processing	01	Hassibi, B	TR 13:00 - 14:25	A	
ACM190	+	Reading and Independent Study	01	Staff	A	A	P
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Pullin, D	MWF 08:00 - 08:55	A	
ACM270	3-0-6	Advanced Topics in Applied and Computational Math: Point Processes and Stochastic Geometry	01	Tropp, J	TR 14:30 - 15:55	A	G
ACM300	+	Research in Applied and Computational Mathematics	01 02 03 04 05 06 07 08 09 10 11	Bruno, O Chandrasekaran, V Desbrun, M Hou, Y Tropp, J Meiron, D Stuart, A Owhadi, H Hassibi, B Schroeder, P Beck, J	A A A A A A A A A A A	A A A A A A A A A A A	P P P P P P P P P P P
<b>APPLIED MECHANICS</b>							

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<b>APPLIED MECHANICS</b>							
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Ravichandran, G	MWF 09:00 - 10:25	A	G
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	P
AM 201	3-0-6	Advanced Topics in Applied Mechanics <i>taught concurrently with ME 201 and CE 201</i>	01	Andrade, J	TR 15:00 - 16:25	A	
ME/MS/Ae/AM 224	3-0-6	Multifunctional Materials	01	Bhattacharya, K	TR 13:00 - 14:25	A	
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
<b>APPLIED PHYSICS</b>							
APh078C	0-9-0	Senior Thesis, Experimental	01	Atwater, H	A	A	
			02	Painter, O	A	A	
			03	Yung, Y	A	A	
			04	Scherer, A	A	A	
			05	Vahala, K	A	A	
			06	Bellan, P	A	A	
			07	Troian, S	A	A	
			08	Phillips, R	A	A	
			09	Faraon, A	A	A	
			10	Schwab, K	A	A	
			11	Endres, M	A	A	
			12	Hajimiri, S	A	A	

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<b>APPLIED PHYSICS</b>							
APh079C	0-9-0	Senior Thesis, Theoretical	01	Phillips, R	A	A	G
			02	Troian, S	A	A	G
			03	Kimble, H	A	A	G
APh100	+	Advanced Work in Applied Physics	01	Phillips, R	A	A	P
			02	Atwater, H	A	A	P
			03	Faraon, A	A	A	P
			04	Schwab, K	A	A	P
			05	Troian, S	A	A	P
			06	Faraon, A	A	A	P
			07	Bellan, P	A	A	P
			08	Scherer, A	A	A	P
			09	Minnich, A	A	A	P
			10	Painter, O	A	A	P
			11	Quartz, S	A	A	P
			12	Kimble, H	A	A	P
			13	Polk, J	A	A	P
			14	Hajimiri, S	A	A	P
			15	Hajimiri, S	A	A	P
			16	Falson, J	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Pullin, D	MWF 10:00 - 10:55	A	G
APh/MS 105C	3-0-6	States of Matter	01	Falson, J	TR 09:00 - 10:25	A	
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab <i>class cancelled</i>	01	Staff	A	A	
APh114C	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	A	
APh/Ph/Ae 116	3-0-6	Physics of Thermal and Mass Transport in Hydrodynamic Systems	01	Troian, S	A	A	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	A	P

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<b>APPLIED PHYSICS</b>							
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure	01	Ahn, C	A	A	
APh/Ph 138A	3-0-6	Quantum Hardware and Techniques	01	Endres, M / Faraon, A / Hsieh, D / Nad Perge, S	TR 09:00 - 10:25	A	
APh150	3-0-6	Topics in Applied Physics: Human Impacts by the Numbers <i>taught concurrently with Bi 270C</i>	01	Phillips, R	A	A	P
APh156C	3-0-6	Plasma Physics	01	Bellan, P	MW 14:30 - 15:55	A	
MS/APh 171	3-0-6	Inelastic Scattering of Materials, Molecules, and Condensed Matter	01	Fultz, B	MW 09:30 - 10:55	A	
APh/EE 183	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Nad Perge, S	TR 13:00 - 14:25	A	
APh200	+	Applied Physics Research	01	Desbrun, M	A	A	P
			02	Bellan, P	A	A	P
			03	Atwater, H	A	A	P
			04	Trojan, S	A	A	P
			05	Johnson, W	A	A	P
			06	Chen, Y	A	A	P
			07	Yariv, A	A	A	P
			08	Vahala, K	A	A	P
			09	Lewis, N	A	A	P
			10	Fultz, B	A	A	P
			11	Schwab, K	A	A	P
			12	Heath, J	A	A	P
			13	Refael, G	A	A	P
			14	Kimble, H	A	A	P
			15	Goddard, W	A	A	P
			16	Faraon, A	A	A	P
			17	Minnich, A	A	A	P
			18	Yang, C	A	A	P



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<b>APPLIED PHYSICS</b>							
APh200	+	Applied Physics Research	19	Motrunich, O	A	A	P
			20	Hsieh, D	A	A	P
			21	Preskill, J	A	A	P
			22	Painter, O	A	A	P
			23	Bernardi, M	A	A	P
			24	Roukes, M	A	A	P
			25	Alicea, J	A	A	P
			26	Gharib, M	A	A	P
			27	Nad Perge, S	A	A	P
			28	Rosenbaum, T	A	A	P
			29	Hutzler, N	A	A	P
			30	Rees, D	A	A	P
			31	Elowitz, M	A	A	P
			32	Yeh, N	A	A	P
			33	Falson, J	A	A	P
			34	Bock, J	A	A	P
			35	Marandi, A	A	A	P
			36	Endres, M	A	A	P
			37	Cushing, S	A	A	P
			39	Scherer, A	A	A	P
			40	Phillips, R	A	A	P
42	Adhikari, R	A	A	P			
43	Spiropulu, M	A	A	P			
Ph/APh 223B	3-0-6	Advanced Condensed-Matter Physics	01	Kitaev, A	MW 09:00 - 10:25	A	
APh300	+	Thesis Research in Applied Physics	01	Yariv, A	A	A	P
			02	Troian, S	A	A	P
			03	Vahala, K	A	A	P
			04	Schwab, K	A	A	P
			05	Bernardi, M	A	A	P
			06	Flagan, R	A	A	P
			07	Faraon, A	A	A	P

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<b>APPLIED PHYSICS</b>							
APh300	+	Thesis Research in Applied Physics	08	Hsieh, D	A	A	P
			09	Fultz, B	A	A	P
			10	Atwater, H	A	A	P
			11	Desbrun, M	A	A	P
			12	Daraio, C	A	A	P
			13	Refael, G	A	A	P
			14	Nad Perge, S	A	A	P
			15	Rosenbaum, T	A	A	P
			16	Vahala, K	A	A	P
			17	Hutzler, N	A	A	P
			18	Falson, J	A	A	P
			19	Marandi, A	A	A	P
			21	Roukes, M	A	A	P
			26	Scherer, A	A	A	P
			27	Chen, Y	A	A	P
			31	Phillips, R	A	A	P
			33	Bellan, P	A	A	P
			36	Painter, O	A	A	P
38	Zmuidzinas, J	A	A	P			
<b>ASTROPHYSICS</b>							
Ay 001	3-3-3	The Evolving Universe <i>not open to juniors or seniors</i>	01	Djorgovski, S	MWF 14:00 - 14:55	A	
Ge/Ay 011C	3-0-6	Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i>	01	Ingersoll, A	TR 13:00 - 14:25	A	
Ay 031	1-0-2	Writing in Astronomy <i>Open to declared Ay majors at the discretion of the instructor //Nonmajors who have taken Astronomy courses may be admitted, but must have prior approval of instructor. Maximum enrollment: 11 students</i>	01	Howard, A	F 15:00 - 15:55	A	G

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<b>ASTROPHYSICS</b>							
Ay 043	+	Reading in Astronomy and Astrophysics	01	Hillenbrand, L	A	A	P
Ay 078C	+	Senior Thesis	02	Hillenbrand, L	A	A	P
			03	Blake, G	A	A	P
			04	Steidel, C	A	A	P
			05	Cohen, J	A	A	P
			06	Scoville, N	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P
			11	Harrison, F	A	A	P
			12	Hallinan, G	A	A	P
			13	Phinney, E	A	A	P
			14	Hopkins, P	A	A	P
			15	Knutson, H	A	A	P
			16	Mawet, D	A	A	P
17	Kirby, E	A	A	P			
18	Kasliwal, M	A	A	P			
19	Djorgovski, S	A	A	P			
Ay 105	1-5-3	Optical Astronomy Instrumentation Lab	01	Mawet, D / Hillenbrand, L	A	A	
Ay 119	3-0-3	Astroinformatics	01	Djorgovski, S / Graham, M / Mahabal, A / Duev, D	A	A	
Ay 125	3-0-6	High-Energy Astrophysics	01	Kasliwal, M	TR 10:30 - 11:55	A	
Ay 126	3-0-6	Interstellar and Intergalactic Medium	01	Kulkarni, S	TR 14:30 - 15:55	A	G
Ay 141C	1-0-2	Research Conference in Astronomy	01	Ravi, V	F 16:00 - 16:55	A	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Ravi, V	A	A	P
			02	Blake, G	A	A	P

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<b>ASTROPHYSICS</b>										
Ay 142	+	Research in Astronomy and Astrophysics	03	Stevenson, D	A	A	P			
			04	Brown, M	A	A	P			
			05	Harrison, F	A	A	P			
			06	Djorgovski, S	A	A	P			
			07	Readhead, A	A	A	P			
			08	Golwala, S	A	A	P			
			09	Hillenbrand, L	A	A	P			
			11	Kulkarni, S	A	A	P			
			12	Martin, C	A	A	P			
			13	Zmuidzinas, J	A	A	P			
			14	Hallinan, G	A	A	P			
			15	Prince, T	A	A	P			
			16	Mawet, D	A	A	P			
			19	Sargent, A	A	A	P			
			20	Hopkins, P	A	A	P			
			21	Dore, O	A	A	P			
			22	Scoville, N	A	A	P			
			23	Steidel, C	A	A	P			
			24	Phinney, E	A	A	P			
			25	Rogers, L	A	A	P			
			26	Soifer, B	A	A	P			
			27	Knutson, H	A	A	P			
			28	Kasliwal, M	A	A	P			
			29	Kirby, E	A	A	P			
			30	Batygin, K	A	A	P			
			31	Batygin, K	A	A	P			
			32	Bock, J	A	A	P			
			33	Fuller, J	A	A	P			
			34	Howard, A	A	A	P			
			Ay 143	+	Reading and Independent Study	01	Steidel, C	A	A	P
						03	Kulkarni, S	A	A	P
						04	Hopkins, P	A	A	P
						05	Batygin, K	A	A	P

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<b>ASTROPHYSICS</b>							
Ay 143	+	Reading and Independent Study	06	Brown, M	A	A	P
			07	Blake, G	A	A	P
			08	Knutson, H	A	A	P
Ay 144	+	Independent Writing in Astronomy	01	Staff	A	A	P
Ay/Ge 198	2-0-4	Special Topics in the Planetary Sciences	01	Mawet, D / Howard, A	A	A	
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB/Ch 202C	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 12:00 - 12:55	A	P
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Deshaies, R	A	A	P
			03	Fraser, S	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			07	Baltimore, D	A	A	P
			08	Campbell, J	A	A	P
			09	Goddard, W	A	A	P
			10	Kennedy, M	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Tirrell, D	A	A	P
			13	Parker, C	A	A	P
			14	Greer, J	A	A	P
			15	Dervan, P	A	A	P
			16	Chan, D	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P
			19	Shan, S	A	A	P
			20	Jensen, G	A	A	P
			21	Elowitz, M	A	A	P

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	22	Ismagilov, R	A	A	P
			23	Heath, J	A	A	P
			24	Meyerowitz, E	A	A	P
			25	Hay, B	A	A	P
			26	Wold, B	A	A	P
			27	Davis, M	A	A	P
			28	Phillips, R	A	A	P
			29	Barton, J	A	A	P
			30	Clemons, W	A	A	P
			31	Leadbetter, J	A	A	P
			32	Murray, R	A	A	P
			33	Mazmanian, S	A	A	P
			34	Baltimore, D	A	A	P
			35	Wang, Z	A	A	P
			36	Gharib, M	A	A	P
			37	Rothenberg, E	A	A	P
			38	Lester, H	A	A	P
			39	Pierce, N	A	A	P
			40	Sternberg, P	A	A	P
			41	Roukes, M	A	A	P
			42	Gray, H	A	A	P
			43	Shapiro, 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	Meister, M	A	A	P
			51	Zinn, K	A	A	P
			52	Miller, T	A	A	P
			53	Dunphy, W	A	A	P
			54	Wagenaar, D	A	A	P

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	55	Voorhees, R	A	A	P
			56	Pachter, L	A	A	P
			57	Parker, J	A	A	P
			58	Semlow, D	A	A	P
			59	Thomson, M	A	A	P
<b>BIOENGINEERING</b>							
BE 098	+	Undergraduate Research in Bioengineering <i>If your research adviser does not appear below, please contact the Office of the Registrar.</i>	01	Arnold, F	A	A	P
			02	Mazmanian, S	A	A	P
			03	Burdick, J	A	A	P
			04	Sternberg, P	A	A	P
			05	Kennedy, M	A	A	P
			06	Gradinaru, V	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Aravin, A	A	A	P
			10	Lester, H	A	A	P
			11	Shimojo, S	A	A	P
			12	Pierce, N	A	A	P
			13	Shapiro, M	A	A	P
			14	Shan, S	A	A	P
			15	Qian, L	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	Mayo, S	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Wang, K	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P

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<b>BIOENGINEERING</b>							
BE 098	+	Undergraduate Research in Bioengineering <i>If your research adviser does not appear below, please contact the Office of the Registrar.</i>	28	Guttman, M	A	A	P
			29	Oka, Y	A	A	P
			30	Kornfield, J	A	A	P
			31	Baltimore, D	A	A	P
			33	Hay, B	A	A	P
			34	Beauchamp, J	A	A	P
			35	Bjorkman, P	A	A	P
			36	Adolphs, R	A	A	P
			37	Ismagilov, R	A	A	P
			38	Dickinson, M	A	A	P
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	A	P
BE 150	3-0-6	Biological Circuit Design <i>taught concurrently with Bi 250b</i>	01	Bois, J / Elowitz, M	MWF 11:00 - 11:55	A	
BE 153	3-0-6	Case Studies in Systems Physiology	01	Petrasek, D	TR 14:30 - 15:55	A	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Yang, C	TR 14:30 - 15:55	A	
BE/EE/MedE 189B	0-9-0	Design and Construction of Biodevices	01	Yang, C	TR 14:30 - 15:55	A	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Phillips, R	A	A	P
			03	Burdick, J	A	A	P
			04	Gradinaru, V	A	A	P
			05	Dervan, P	A	A	P
			06	Goentoro, L	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Heath, J	A	A	P
			10	Lester, H	A	A	P
			11	Ismagilov, R	A	A	P



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<b>BIOENGINEERING</b>							
BE 200	+	Research in Bioengineering	12	Pierce, N	A	A	P
			13	Meister, M	A	A	P
			14	Guttman, M	A	A	P
			15	Troian, S	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Rothemund, P	A	A	P
			22	Greer, J	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Goddard, W	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Shapiro, M	A	A	P
			29	Cai, L	A	A	P
			30	Sternberg, P	A	A	P
			31	Kornfield, J	A	A	P
			32	Andersen, R	A	A	P
			33	Qian, L	A	A	P
			34	Hong, E	A	A	P
			35	Mayo, S	A	A	P
			36	Dickinson, M	A	A	P
			37	Pachter, L	A	A	P
			38	Mazmanian, S	A	A	P
			39	Bjorkman, P	A	A	P
			40	Parker, J	A	A	P
			41	Greer, J	A	A	P
			42	Wang, K	A	A	P
			43	Thomson, M	A	A	P
			44	Meyerowitz, E	A	A	P

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<b>BIOENGINEERING</b>							
BE 200	+	Research in Bioengineering	45	Chan, D	A	A	P
			46	Newman, D	A	A	P
			47	Rutishauser, U	A	A	P
BE/Bi 205	3-0-6	Deep Learning for Biological Data	01	Van Valen, D	MW 13:00 - 14:25	A	
Bi/BE 222	2-0-4	The Structure of the Cytosol	01	Kennedy, M	W 19:00 - 20:55	A	
<b>BIOLOGY</b>							
Bi 001	4-0-5	Principles of Biology - The great theories of biology and their influence in the modern world <i>Sections 1 and 2 are reserved for students with no biology background // All students must complete a survey at <a href="http://registrar.caltech.edu/Bi1_SP2020-21">http://registrar.caltech.edu/Bi1_SP2020-21</a> prior to enrollment</i>	01	Hay, B / Corfas, R	TR 13:00 - 14:25 M 17:00 - 17:55	A A	G
			02	Hay, B / Corfas, R	TR 13:00 - 14:25 M 19:00 - 19:55	A A	G
			03	Hay, B / Corfas, R	TR 13:00 - 14:25 M 20:00 - 20:55	A A	G
			04	Hay, B / Corfas, R	TR 13:00 - 14:25 T 20:00 - 20:55	A A	G
			05	Hay, B / Corfas, R	TR 13:00 - 14:25 W 17:00 - 17:55	A A	G
			06	Hay, B / Corfas, R	TR 13:00 - 14:25 W 19:00 - 19:55	A A	G
			07	Hay, B / Corfas, R	TR 13:00 - 14:25 W 20:00 - 20:55	A A	G
			Bi 001X	0-6-3	The Great Ideas of Biology: Exploration through Experimentation <i>open by lottery only, see REGIS home page to enter before 8am February 24th // maximum enrollment: 30 students // Make-up classes will be on Thursdays from 7-10pm</i>	01	Bois, J
Bi 009	3-0-6	Cell Biology	01	Chan, D / Prober, D	TR 09:00 - 10:25	A	
					F 09:00 - 09:55	A	

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<b>BIOLOGY</b>							
Bi 021	+	Undergraduate Research with Presentation <i>minimum 12 units per term</i>	01	Staff	A	A	P
Bi 022	+	Undergraduate Research	01	Shan, S	A	A	P
			02	Bronner Hansen, M	A	A	P
			03	Van Valen, D	A	A	P
			04	Varshavsky, A	A	A	P
			05	Arnold, F	A	A	P
			06	Stathopoulos, A	A	A	P
			07	Zinn, K	A	A	P
			08	Bronner Hansen, M	A	A	P
			09	Mazmanian, S	A	A	P
			10	Strauss, J	A	A	P
			11	Newman, D	A	A	P
			12	Chan, D	A	A	P
			13	Leadbetter, J	A	A	P
			14	Tirrell, D	A	A	P
			16	Orphan, V	A	A	P
			17	Fraser, S	A	A	P
			18	Deshaies, R	A	A	P
			19	Kennedy, M	A	A	P
			20	Shimojo, S	A	A	P
			21	Adolphs, R	A	A	P
			22	Lester, H	A	A	P
			23	Prober, D	A	A	P
			24	Gradinaru, V	A	A	P
			25	Allman, J	A	A	P
			26	Wold, B	A	A	P
			27	Peter Lashgari Faghani, I	A	A	P
			28	Meyerowitz, E	A	A	P
			29	Shapiro, M	A	A	P
			30	Hong, E	A	A	P
			31	Rees, D	A	A	P
			32	Aravin, A	A	A	P

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<b>BIOLOGY</b>							
Bi 022	+	Undergraduate Research	33	Bjorkman, P	A	A	P
			34	Ondrus, A	A	A	P
			35	Meister, M	A	A	P
			36	Baltimore, D	A	A	P
			37	Wang, K	A	A	P
			38	Campbell, J	A	A	P
			39	Parker, C	A	A	P
			40	Winfree, E	A	A	P
			41	Hsiao, E	A	A	P
			42	Andersen, R	A	A	P
			43	Hay, B	A	A	P
			44	Jensen, G	A	A	P
			45	Goddard, W	A	A	P
			46	Elowitz, M	A	A	P
			47	Anderson, D	A	A	P
			48	Stathopoulos, A	A	A	P
			49	Rothenberg, E	A	A	P
			50	Sternberg, P	A	A	P
			51	Cai, L	A	A	P
			55	Sternberg, P	A	A	P
			56	Phillips, R	A	A	P
			57	Clemons, W	A	A	P
			58	Oka, Y	A	A	P
59	Dickinson, M	A	A	P			
60	Lois, C	A	A	P			
61	Ondrus, A	A	A	P			
62	Pachter, L	A	A	P			
63	Guttman, M	A	A	P			
Bi 090C	+	Undergraduate Thesis	02	Bjorkman, P / Siapas, A	A	A	P
			03	Bjorkman, P / Sternberg, P	A	A	P
			05	Bjorkman, P / Davis, M	A	A	P
			06	Bjorkman, P	A	A	P

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<b>BIOLOGY</b>							
Bi 090C	+	Undergraduate Thesis	07	Bjorkman, P / Aravin, A	A	A	P
			08	Bjorkman, P / Doyle, J	A	A	P
			09	Bjorkman, P / Newman, D	A	A	P
			10	Bjorkman, P / Baltimore, D	A	A	P
			11	Bjorkman, P / Rothenberg, E	A	A	P
			12	Wold, B / Bjorkman, P	A	A	P
			13	Bjorkman, P / Gradinaru, V	A	A	P
			14	Bjorkman, P / Newman, D	A	A	P
			15	Bjorkman, P / Hsieh-Wilson, L	A	A	P
CNS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society	01	O'Doherty, J	MW 14:30 - 15:55	A	
Bi/CNS/NB/Psy 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	R 10:00 - 10:55 MWF 10:00 - 10:55	A A	G
			02	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 13:00 - 13:55	A A	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 16:00 - 16:55	A A	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	A A	G
Bi/CNS/NB 152	2-0-4	Neural Circuits and Physiology of Appetite and Body Homeostasis	01	Oka, Y	TF 09:00 - 10:25	A	
Bi/CNS/NB 157	2-3-4	Comparative Nervous Systems	01	Allman, J	F 14:00 - 15:55	A	G
Bi 160	3-3-3	Molecular Basis of Animal Evolution <i>lab component not required spring term</i>	01	Parker, J	M 08:00 - 10:55	A	P
CNS/Bi/Psy 176	4-0-5	Cognition <i>class cancelled</i>	01	Staff	A	A	

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Bi 189	2-0-4	The Cell Cycle	01	Dunphy, W	R 14:30 - 16:25	A	
BE/Bi 205	3-0-6	Deep Learning for Biological Data	01	Van Valen, D	MW 13:00 - 14:25	A	
Bi 214	3-0-6	Stem Cells and Hematopoiesis	01	Rothenberg, E	T 15:00 - 16:55 F 14:00 - 15:55	A A	
Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	A	
Bi/BE 222	2-0-4	The Structure of the Cytosol	01	Kennedy, M	W 19:00 - 20:55	A	
Ge/Bi 244	3-0-3	Paleobiology Seminar	01	Kirschvink, J	A	A	
Bi 250B	3-0-6	Topics in Systems Biology <i>taught concurrently with BE 150</i>	01	Elowitz, M / Bois, J	MWF 11:00 - 11:55	A	
Bi/CNS/NB 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	A	
Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition	01	Mobbs, D	W 10:00 - 12:55	A	G
Bi 270C	2-0-4	Special Topics in Biology: Human Impacts by the Numbers <i>taught concurrently with APh150</i>	01	Phillips, R	A	A	P
Bi 299	+	Graduate Research	01 02 03 04 05 06 07 08 09	Stathopoulos, A Baltimore, D Allman, J Andersen, R Anderson, D Mazmanian, S Clemons, W Elowitz, M Thomson, M	A A A A A A A A A	A A A A A A A A A	P P P P P P P P P

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Bi 299	+	Graduate Research	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
			15	Deshaies, R	A	A	P
			16	Dickinson, M	A	A	P
			17	O'Doherty, J	A	A	P
			18	Dunphy, W	A	A	P
			19	Fraser, S	A	A	P
			20	Goddard, W	A	A	P
			21	Hay, B	A	A	P
			22	Kennedy, M	A	A	P
			23	Qian, L	A	A	P
			24	Pierce, N	A	A	P
			25	Burdick, J	A	A	P
			26	Tsao, D	A	A	P
			27	Orphan, V	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	Heath, J	A	A	P
			34	Prober, D	A	A	P
			35	Varshavsky, A	A	A	P
			36	Kirschvink, J	A	A	P
			37	Rothenberg, E	A	A	P
			38	Shapiro, M	A	A	P
			39	Shimojo, S	A	A	P
			40	Lester, H	A	A	P
			41	Sternberg, P	A	A	P
			42	Dougherty, D	A	A	P
			43	Shan, S	A	A	P

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Bi 299	+	Graduate Research	44	Winfree, E	A	A	P
			45	Wold, B	A	A	P
			46	Zinn, K	A	A	P
			47	Burdick, J	A	A	P
			48	Jensen, G	A	A	P
			49	Leadbetter, J	A	A	P
			50	Elowitz, M	A	A	P
			51	Adolphs, R	A	A	P
			52	Cai, L	A	A	P
			53	Siapas, A	A	A	P
			54	Gharib, M	A	A	P
			55	Hsieh-Wilson, L	A	A	P
			56	Aravin, A	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Tai, Y	A	A	P
			59	Murray, R	A	A	P
			60	Meister, M	A	A	P
			61	Arnold, F	A	A	P
			62	Gradinaru, V	A	A	P
			63	Scherer, A	A	A	P
			64	Guttman, M	A	A	P
			65	Goentoro, L	A	A	P
			66	Guttman, M	A	A	P
			67	Oka, Y	A	A	P
			68	Hsiao, E	A	A	P
			69	Ismagilov, R	A	A	P
			70	Hong, E	A	A	P
			71	Phillips, R	A	A	P
			72	Roukes, M	A	A	P
			73	Doyle, J	A	A	P
			74	Pachter, L	A	A	P
			75	Parker, J	A	A	P
			76	Voorhees, R	A	A	P



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Bi 299	+	Graduate Research	77	Van Valen, D	A	A	P
			78	Wang, K	A	A	P
			79	de Kleer, K	A	A	P
			80	Zernicka-Goetz, M	A	A	P
<b>BUSINESS, ECONOMICS, AND MANAGEMENT</b>							
BEM/Ec/PS 080	1-0-0	Frontiers in Social Sciences	01	Cvitanic, J	M 12:00 - 12:55	A	P
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Cvitanic, J	A	A	P
BEM104	3-0-6	Investments	01	Roll, R	TR 13:00 - 14:25	A	
BEM107	3-0-6	Corporate Finance	01	Ewens, M	TR 10:30 - 11:55	A	G
BEM108	3-0-6	Mathematical Models in Fintech	01	Cvitanic, J	MW 10:30 - 11:55	A	
BEM117	3-0-6	Behavioral Finance	01	Jin, J	MW 13:00 - 14:25	A	G
<b>CHEMICAL ENGINEERING</b>							
Ch/ChE 009	1-6-2	Chemical Synthesis and Characterization for Chemical Engineering <i>class cancelled</i>	01	Staff	A	A	
ChE063B	3-0-6	Chemical Engineering Thermodynamics	01	Ismagilov, R	TR 13:00 - 14:25	A	
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			02	Ravi, V	A	A	P
			03	Davis, M	A	A	P
			04	Giapis, K	A	A	P
			05	Lewis, N	A	A	P

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<b>CHEMICAL ENGINEERING</b>							
ChE080	+	Undergraduate Research	06	Haile, S	A	A	P
			07	Shapiro, M	A	A	P
			08	Brady, J	A	A	P
			09	Atwater, H	A	A	P
			10	Goddard, W	A	A	P
			11	Faber, K	A	A	P
			12	Heath, J	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			15	Hoelz, A	A	A	P
			16	Greer, J	A	A	P
			20	Kornfield, J	A	A	P
			21	Agapie, T	A	A	P
			34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			37	Ismagilov, R	A	A	P
			38	Daraio, C	A	A	P
ChE090B	0-4-5	Senior Thesis	01	Dickinson, M	A	A	
			02	Giapis, K	A	A	
			03	Seinfeld, J	A	A	
			04	Tirrell, D	A	A	
			05	Ravi, V	A	A	
			06	Flagan, R	A	A	
			07	Gavalas, G	A	A	
			08	Davis, M	A	A	
			09	Haile, S	A	A	
			10	Arnold, F	A	A	
			11	Brady, J	A	A	
			12	Kornfield, J	A	A	
			13	Greer, J	A	A	
			14	Lewis, N	A	A	
			15	Grubbs, R	A	A	
			16	Mayo, S	A	A	

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<b>CHEMICAL ENGINEERING</b>							
ChE090B	0-4-5	Senior Thesis	17	Fu, G	A	A	
			18	Wang, Z	A	A	
			19	Cai, L	A	A	
			20	Atwater, H	A	A	
			21	Ismagilov, R	A	A	
			22	Cai, L / Arnold, F	A	A	
ChE090C	+	Senior Thesis	01	Giapis, K	A	A	P
			02	Tirrell, D	A	A	P
			03	Kornfield, J	A	A	P
			04	Cai, L / Arnold, F	A	A	P
			05	Lewis, N	A	A	P
			06	Flagan, R	A	A	P
			07	Mayo, S	A	A	P
			08	Ismagilov, R	A	A	P
			09	Seinfeld, J	A	A	P
			10	Wang, Z	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Weitekamp, D	M 14:00 - 15:55	A	G
ChE103C	3-0-6	Transport Phenomena	01	Shapiro, M / Kornfield, J	MWF 10:00 - 10:55	A	
ChE105	3-0-6	Dynamics and Control of Chemical Systems <i>taught concurrently with CDS110</i>	01	Seinfeld, J	MWF 14:00 - 14:55	A	G
ChE120	1-6-2	Optimal Design of Chemical Systems <i>If unable to register, please contact instructor.</i>	01	Vicic, M	A	A	
ChE130	1-5-3	Biomolecular Engineering Laboratory <i>Maximum enrollment: 14 students // If unable to register, please contact instructor.</i>	01	Vicic, M	A	A	
ChE142	1-0-8	Challenges in Data Science for Chemical Systems	01	Vicic, M	A	A	
ChE/Ch 148	3-0-6	Polymer Physics	01	Wang, Z	TR 10:30 - 11:55	A	

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<b>CHEMICAL ENGINEERING</b>							
ChE151B	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 09:00 - 09:55	A	G
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Murray, R	A	A	P
			03	Atwater, H	A	A	P
			04	Haile, S	A	A	P
			05	Pierce, N	A	A	P
			06	Troian, S	A	A	P
			07	Brady, J	A	A	P
			08	Stoltz, B	A	A	P
			09	Ismagilov, R	A	A	P
			10	Davis, M	A	A	P
			11	Greer, J	A	A	P
			12	Dougherty, D	A	A	P
			13	Flagan, R	A	A	P
			14	Fraser, S	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	Fultz, B	A	A	P
			19	Snyder, G	A	A	P
			20	Guttman, M	A	A	P
			21	Kornfield, J	A	A	P
			22	Miller, T	A	A	P
			23	Lewis, N	A	A	P
			24	Shapiro, M	A	A	P
			25	Elowitz, M	A	A	P
			26	Hoffmann, M	A	A	P
			27	See, K	A	A	P
			28	Robb, M	A	A	P
			29	Parker, C	A	A	P
			30	Wei, L	A	A	P
			31	Chan, G	A	A	P

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<b>CHEMICAL ENGINEERING</b>							
ChE280	+	Chemical Engineering Research	32	Pachter, L	A	A	P
			33	Wang, K	A	A	P
			36	Tirrell, D	A	A	P
			37	Wang, Z	A	A	P
			40	Seinfeld, J	A	A	P
			41	Yung, Y	A	A	P
			42	Heath, J	A	A	P
<b>CHEMISTRY</b>							
Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>All Ch 3a and Ch 3x students will be enrolled in Ch 3a with combined experiments. // Maximum enrollment: 8 students per section // Seniors who entered in 2017 must take course on Letter Grades, all others pass-fail</i>	01	Mendez, J	A T 09:00 - 10:55	A A	P
			02	Mendez, J	A T 13:00 - 14:55	A A	P
			03	Mendez, J	A T 16:00 - 17:55	A A	P
			04	Mendez, J	A W 13:00 - 14:55	A A	P
			05	Mendez, J	A W 16:00 - 17:55	A A	P
			06	Mendez, J	A R 09:00 - 10:55	A A	P
			07	Mendez, J	A R 16:00 - 17:55	A A	P
			Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Ch 3x is not offered but is combined with Ch 3a this term. All Ch 3a and Ch 3x students will be enrolled in Ch 3a with combined experiments.</i>	01	Staff
Ch 004B	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>class cancelled</i>	01	Staff	A	A	
Ch 006A	1-5-3	Physical and Biophysical Chemistry Laboratory <i>Students are expected to attend one lab a week</i>	01	Okumura, M	OM,M 11:00 - 11:55	A	
					A	A	

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<b>CHEMISTRY</b>							
Ch/ChE 009	1-6-2	Chemical Synthesis and Characterization for Chemical Engineering <i>class cancelled</i>	01	Staff	A	A	
Ch 010C	1-4-1	Frontiers in Chemistry <i>Must have instructor's permission prior to registering for course // open to freshmen and sophomores only</i>	01	Hoelz, A	R 12:00 - 12:55	A	P
Ch 021C	3-0-6	Physical Chemistry	01	Beauchamp, J	MWF 13:00 - 13:55	A	G
Ch 041C	4-0-5	Organic Chemistry	01	Reisman, S	MWF 09:00 - 09:55 W 20:00 - 20:55	A A	
			02	Reisman, S	MWF 09:00 - 09:55 R 15:00 - 15:55	A A	
			03	Reisman, S	MWF 09:00 - 09:55 R 20:00 - 20:55	A A	
Ch 080	+	Chemical Research	01	Arnold, F	A	A	P
			02	Dervan, P	A	A	P
			03	Hsieh-Wilson, L	A	A	P
			04	Beauchamp, J	A	A	P
			05	Chan, G	A	A	P
			06	Clemons, W	A	A	P
			07	Reisman, S	A	A	P
			08	Campbell, J	A	A	P
			09	Shan, S	A	A	P
			10	Rees, D	A	A	P
			11	Heath, J	A	A	P
			12	Agapie, T	A	A	P
			13	Davis, M	A	A	P
			14	Asimow, P	A	A	P
			15	Dougherty, D	A	A	P
			16	Goddard, W	A	A	P
			17	Gray, H	A	A	P

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<b>CHEMISTRY</b>							
Ch 080	+	Chemical Research	18	Shapiro, M	A	A	P
			19	Shapiro, M	A	A	P
			20	Kornfield, J	A	A	P
			21	Yue, Y	A	A	P
			22	Fu, G	A	A	P
			23	Rossman, G	A	A	P
			24	Katz, N	A	A	P
			25	Virgil, S	A	A	P
			26	Gao, W	A	A	P
			27	Okumura, M	A	A	P
			28	See, K	A	A	P
			29	Peters, J	A	A	P
			30	Blake, G	A	A	P
			31	Ondrus, A	A	A	P
			32	Wei, L	A	A	P
			33	Hoffmann, M	A	A	P
			34	Greer, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Grubbs, R	A	A	P
			38	Lewis, N	A	A	P
			39	Barton, J	A	A	P
			40	Hoelz, A	A	A	P
			41	Eiler, J	A	A	P
			42	Rossman, G	A	A	P
43	Blake, G	A	A	P			
44	Cushing, S	A	A	P			
45	Miller, T	A	A	P			
Ch 081	+	Independent Reading in Chemistry	01	Stoltz, B	A	A	P
			02	Lewis, N	A	A	P
			03	Chandy, K	A	A	P
			04	Peters, J	A	A	P
			05	Adolphs, R	A	A	P

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<b>CHEMISTRY</b>							
Ch 081	+	Independent Reading in Chemistry	06	Agapie, T	A	A	P
			17	Gray, H	A	A	P
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01	Rees, D / Agapie, T	A	A	P
			02	Hoelz, A / Agapie, T	A	A	P
			03	Grubbs, R / Agapie, T	A	A	P
			04	Gray, H / Agapie, T	A	A	P
			05	Agapie, T	A	A	P
			06	Peters, J / Agapie, T	A	A	P
			07	Stoltz, B / Agapie, T	A	A	P
			08	Tirrell, D / Agapie, T	A	A	P
			09	Agapie, T / Asimow, P	A	A	P
			10	Agapie, T / Reisman, S	A	A	P
			11	Rossmann, G / Agapie, T	A	A	P
			12	Dougherty, D / Agapie, T	A	A	P
			13	Goddard, W / Agapie, T	A	A	P
			14	Hsieh-Wilson, L / Agapie, T	A	A	P
			15	Wei, L / Agapie, T	A	A	P
			16	Chan, G / Agapie, T	A	A	P
			17	Arnold, F / Agapie, T	A	A	P
			18	Hadt, R / Agapie, T	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Weitekamp, D	M 14:00 - 15:55	A	G
Ch 101	1-0-2	Chemistry Tutorials	01	Stoltz, B / See, K	A	A	G
Ch 102	4-0-5	Introduction to Inorganic Chemistry	01	See, K / Hadt, R	TR 10:30 - 11:55	151 CRL	
Ch 120B	1-1-7	Nature of the Chemical Bond	01	Goddard, W	W 15:00 - 15:55	A	
Ch 121A	3-0-6	Atomic-Level Simulations of Materials and Molecules	01	Goddard, W	MWF 14:00 - 14:55	A	



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<b>CHEMISTRY</b>							
Ge/Ch 127	3-0-6	Nuclear Chemistry	01	Burnett, D	TR 14:30 - 15:55	A	
Ch 143	3-0-6	NMR Spectroscopy for Structural Identification	01	Virgil, S	MWF 11:00 - 11:55	A	
ChE/Ch 148	3-0-6	Polymer Physics	01	Wang, Z	TR 10:30 - 11:55	A	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	A	
ESE/Ch 177	3-0-6	Environmental Physical Organic Chemistry Part II	01	Hoffmann, M	MWF 10:00 - 10:55	A	
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
BMB/Ch 202C	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 12:00 - 12:55	A	P
Ch 213C	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	A	G
Ch 226	3-0-6	Optical and Nonlinear Spectroscopy	01	Blake, G / Cushing, S	TR 13:00 - 14:25	A	
Ch 279	+	Rotations in Chemistry	01	Agapie, T	A	A	P
			02	Arnold, F	A	A	P
			03	Atwater, H	A	A	P
			04	Barton, J	A	A	P
			05	Beauchamp, J	A	A	P
			06	Bjorkman, P	A	A	P
			07	Blake, G	A	A	P
			08	Blanquart, G	A	A	P
			09	Campbell, J	A	A	P
			10	Chan, G	A	A	P
			11	Clemons, W	A	A	P
			12	Cushing, S	A	A	P

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

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<b>CHEMISTRY</b>							
Ch 279	+	Rotations in Chemistry	47	Sternberg, P	A	A	P
			48	Stoltz, B	A	A	P
			49	Tirrell, D	A	A	P
			50	Wang, Z	A	A	P
			51	Wei, L	A	A	P
			52	Weitekamp, D	A	A	P
			53	Wennberg, P	A	A	P
Ch 280	+	Chemical Research	01	Arnold, F	A	A	P
			02	Agapie, T	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	Shan, S	A	A	P
			08	Bjorkman, P	A	A	P
			09	Cai, L	A	A	P
			10	Davis, M	A	A	P
			11	Dervan, P	A	A	P
			12	Dougherty, D	A	A	P
			13	Eiler, J	A	A	P
			14	Miller, T	A	A	P
			15	Giapis, K	A	A	P
			16	Goddard, W	A	A	P
			17	Gray, H	A	A	P
			18	Grubbs, R	A	A	P
			19	Hsieh-Wilson, L	A	A	P
			20	Kornfield, J	A	A	P
			21	Reisman, S	A	A	P
			22	Lewis, N	A	A	P
			23	Wang, Z	A	A	P
			24	Marcus, R	A	A	P
			25	Mayo, S	A	A	P
			26	Goentoro, L	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	27	Okumura, M	A	A	P
			28	Clemons, W	A	A	P
			29	Peters, J	A	A	P
			30	Rees, D	A	A	P
			31	Ismagilov, R	A	A	P
			32	Hoelz, A	A	A	P
			33	Haile, S	A	A	P
			34	Seinfeld, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Fu, G	A	A	P
			38	Weitekamp, D	A	A	P
			39	Chan, G	A	A	P
			40	Robb, M	A	A	P
			41	Atwater, H	A	A	P
			42	Pierce, N	A	A	P
			43	Hoffmann, M	A	A	P
			44	Heath, J	A	A	P
			45	Sternberg, P	A	A	P
			46	Adkins, J	A	A	P
			47	Lester, H	A	A	P
			48	Wennberg, P	A	A	P
			49	Campbell, J	A	A	P
			50	Hoffmann, M	A	A	P
			51	Wei, L	A	A	P
			52	Tirrell, D	A	A	P
			53	Deshaies, R	A	A	P
			54	Shapiro, M	A	A	P
			55	Jensen, G	A	A	P
			56	Newman, D	A	A	P
			57	Greer, J	A	A	P
			58	Blanquart, G	A	A	P
			59	Ondrus, A	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	60	Yeh, N	A	A	P
			61	Asimow, P	A	A	P
			62	Elowitz, M	A	A	P
			63	See, K	A	A	P
			64	Tai, Y	A	A	P
			65	Cushing, S	A	A	P
			66	Hadt, R	A	A	P
			67	Parker, J	A	A	P
			68	Voorhees, R	A	A	P
			69	Van Valen, D	A	A	P
			70	Faber, K	A	A	P
<b>CIVIL ENGINEERING</b>							
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Pullin, D	MWF 10:00 - 10:55	A	G
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Ravichandran, G	MWF 09:00 - 10:25	A	G
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	P
CE 200	+	Advanced Work in Civil Engineering	01	Staff	A	A	P
CE 201	3-0-6	Advanced Topics in Civil Engineering <i>taught concurrently with AM 201 and ME 201</i>	01	Andrade, J	TR 15:00 - 16:25	A	
CE 300	+	Research in Civil Engineering	01	Pellegrino, S	A	A	P
			04	Andrade, J	A	A	P
			05	Lapusta, N	A	A	P
			06	Asimaki, D	A	A	P
			07	Daraio, C	A	A	P
			08	Fu, X	A	A	P
<b>COMPUTATION &amp; NEURAL SYS</b>							

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<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society	01	O'Doherty, J	MW 14:30 - 15:55	A	
EE/CNS/CS 148	3-0-6	Selected Topics in Computational Vision	01	Perona, P	TR 10:30 - 11:55	A	
Bi/CNS/NB/Psy 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	R 10:00 - 10:55 MWF 10:00 - 10:55	A A	G
			02	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 13:00 - 13:55	A A	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 16:00 - 16:55	A A	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	A A	G
Bi/CNS/NB 152	2-0-4	Neural Circuits and Physiology of Appetite and Body Homeostasis	01	Oka, Y	TF 09:00 - 10:25	A	
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	A	
Bi/CNS/NB 157	2-3-4	Comparative Nervous Systems	01	Allman, J	F 14:00 - 15:55	A	G
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	A	
CS/CNS 174	3-6-3	Computer Graphics Projects	01	Barr, A	MWF 13:00 - 13:55	A	
CNS/Bi/Psy 176	4-0-5	Cognition <i>class cancelled</i>	01	Staff	A	A	
CNS180	+	Research in Computation and Neural Systems	01	Anandkumar, A	A	A	P
			02	Anderson, D	A	A	P
			03	Pierce, N	A	A	P
			04	Andersen, R	A	A	P
			05	Burdick, J	A	A	P
			06	O'Doherty, J	A	A	P

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<b>COMPUTATION &amp; NEURAL SYS</b>										
CNS180	+	Research in Computation and Neural Systems	07	Tsao, D	A	A	P			
			08	Lester, H	A	A	P			
			09	Dickinson, M	A	A	P			
			10	Elowitz, M	A	A	P			
			11	Rutishauser, U	A	A	P			
			12	Murray, R	A	A	P			
			14	Quartz, S	A	A	P			
			15	Perona, P	A	A	P			
			16	Allman, J	A	A	P			
			17	Murray, R	A	A	P			
			18	Shimojo, S	A	A	P			
			19	Siapas, A	A	A	P			
			20	Shapiro, M	A	A	P			
			21	Winfrey, E	A	A	P			
			22	Wold, B	A	A	P			
			23	Kennedy, M	A	A	P			
			24	Adolphs, R	A	A	P			
			25	Camerer, C	A	A	P			
			26	Rangel, A	A	A	P			
			27	Thomson, M	A	A	P			
			28	Gradinaru, V	A	A	P			
			29	Prober, D	A	A	P			
			30	Yue, Y	A	A	P			
			31	Meister, M	A	A	P			
			32	Hong, E	A	A	P			
			33	Ames, A	A	A	P			
			Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	A	
			Bi/CNS/NB 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	A	
			Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition	01	Mobbs, D	W 10:00 - 12:55	A	G

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<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS280	+	Research in Computation and Neural Systems	01	Abu-Mostafa, Y	A	A	P
			02	Elowitz, M	A	A	P
			03	Burdick, J	A	A	P
			04	Andersen, R	A	A	P
			05	Bruck, J	A	A	P
			06	Hoffmann, M	A	A	P
			07	Tsao, D	A	A	P
			08	Murray, R	A	A	P
			09	Meister, M	A	A	P
			11	Camerer, C	A	A	P
			12	Perona, P	A	A	P
			13	Adolphs, R	A	A	P
			14	Scherer, A	A	A	P
			15	Shimojo, S	A	A	P
			16	Siapas, A	A	A	P
			17	Sternberg, P	A	A	P
			18	Wold, B	A	A	P
			19	Winfrey, E	A	A	P
			20	Lester, H	A	A	P
			21	Dickinson, M	A	A	P
			22	Quartz, S	A	A	P
			23	O'Doherty, J	A	A	P
			24	Allman, J	A	A	P
			25	Oka, Y	A	A	P
			26	Rangel, A	A	A	P
			27	Gradinaru, V	A	A	P
			28	Lois, C	A	A	P
			29	Thomson, M	A	A	P
			30	Mobbs, D	A	A	P
			SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L

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<b>COMPUTER SCIENCE</b>							
CS 003	1-6-2	Introduction to Software Design <i>maximum enrollment: 20 students per section</i>	01	Blank, A	M 13:00 - 13:55 T 13:00 - 13:55	A A	G
			02	Blank, A	M 13:00 - 13:55 T 14:00 - 14:55	A A	G
			03	Blank, A	M 13:00 - 13:55 T 15:00 - 15:55	A A	G
			04	Blank, A	M 13:00 - 13:55 T 16:00 - 16:55	A A	G
			05	Blank, A	M 13:00 - 13:55 T 17:00 - 17:55	A A	G
Ma/CS 006C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma 106c</i>	01	Kechris, A	TR 13:00 - 14:25	A	
EE/CS 010B	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 15:00 - 15:55	A	
CS 038	3-0-6	Algorithms	01	Schroeder, P	TR 10:30 - 11:55	A	
CS 042	2-2-2	Computer Science Education in K-14 Settings	01	Ralph, C / Wierman, A	OM,M 17:00 - 17:55	A	P
CS 080C	+	Undergraduate Thesis	01	Schroeder, P	A	A	P
			02	Murray, R	A	A	P
			03	Winfree, E	A	A	P
			04	Barr, A	A	A	P
			05	Katz, N	A	A	P
			06	Perona, P	A	A	P
			07	Yue, Y	A	A	P
			08	Bruck, J	A	A	P
			09	Desbrun, M	A	A	P
			10	Schulman, L	A	A	P
			11	Umans, C	A	A	P
			12	Bouman, K	A	A	P
			13	Wierman, A	A	A	P

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

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<b>COMPUTER SCIENCE</b>										
CS 081C	+	Undergraduate Projects in Computer Science	32	Blank, A	A	A	P			
			33	Anandkumar, A	A	A	P			
			34	Van Valen, D	A	A	P			
			35	Tamuz, O	A	A	P			
			36	Bouman, K	A	A	P			
			37	Pachter, L	A	A	P			
			CS 090	+	Undergraduate Reading in Computer Science	01	Winfree, E	A	A	P
02	Barr, A	A				A	P			
03	Low, S	A				A	P			
04	Umans, C	A				A	P			
05	Bruck, J	A				A	P			
06	Pinkston, D	A				A	P			
07	Desbrun, M	A				A	P			
08	Arnold, F	A				A	P			
09	Schulman, L	A				A	P			
10	Perona, P	A				A	P			
11	Schroeder, P	A				A	P			
12	Wierman, A	A				A	P			
13	Yue, Y	A				A	P			
14	Abu-Mostafa, Y	A				A	P			
15	Vidick, T	A				A	P			
18	Ralph, C	A				A	P			
19	Anderson, D	A				A	P			
CS 101	+	Special Topics in Computer Science: Web Development				01	Hovik, M	TR 14:30 - 15:55	A	
CS 102C	+	Seminar in Computer Science				01	Staff	A	A	
CS 103C	+	Reading in Computer Science	01	Staff	A	A	P			
Ma/CS 106C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 006c</i>	01	Kechris, A	TR 13:00 - 14:25	A				

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<b>COMPUTER SCIENCE</b>							
CS 115	3-4-2	Functional Programming	01	Vanier, M	MWF 14:00 - 14:55	A	
Ma/CS 117C	3-0-6	Computability Theory	01	Vidnyanszky, Z	TR 13:00 - 14:25	A	
EE/CS 119C	3-3-3	Advanced Digital Systems Design	01	George, G	OM,M 16:00 - 16:55	A	
CS 124	3-6-3	Operating Systems	01	Pinkston, D	MWF 13:00 - 13:55	A	
EE/CS/MedE 125	3-6-0	Digital Electronics and Design with FPGAs and VHDL	01	Pedroni, V	OM,T 16:00 - 16:55	A	
CS 131	3-0-6	Programming Languages <i>maximum enrollment: 30 students // CS 4 (in OCaml) is a hard prerequisite (i.e. CS 4 starting in Winter 2016) // CS majors get top priority</i>	01	Vanier, M	MWF 15:00 - 15:55	A	
ME/CS/EE 134	3-6-0	Robotic Systems	01	Niemeyer, G	MWF 15:00 - 15:55	A	
CS 137	2-9-1	Algorithms in the Real World	01	Blank, A	TR 13:00 - 14:25	A	
CS 138	3-0-6	Computer Algorithms	01	Schroeder, P	TR 10:30 - 11:55	A	
CS/EE 145	0-0-9	Projects in Networking	01	Wierman, A	OM,M 13:00 - 13:55	A	
CS/EE 146	3-3-3	Control and Optimization of Networks	01	Low, S	MWF 14:00 - 14:55	A	
EE/CNS/CS 148	3-0-6	Selected Topics in Computational Vision	01	Perona, P	TR 10:30 - 11:55	A	
CS/IDS 150B	3-0-6	Probability and Algorithms	01	Schulman, L	MWF 10:00 - 10:55	A	

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<b>COMPUTER SCIENCE</b>										
CS 151	3-0-9	Complexity Theory	01	Umans, C	TR 13:00 - 14:25	A				
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	A				
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	A				
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	A				
CMS/CS/IDS 166	3-6-3	Computatonal Cameras	01	Bouman, K	TR 10:30 - 11:55	A				
CS/CNS 174	3-6-3	Computer Graphics Projects	01	Barr, A	MWF 13:00 - 13:55	A				
CS 179	3-3-3	GPU Programming	01	Barr, A	MWF 15:00 - 15:55	A				
CS 180	+	Master's Thesis Research	01	Abu-Mostafa, Y	A	A	P			
			02	Desbrun, M	A	A	P			
			03	Chandy, K	A	A	P			
			04	Wierman, A	A	A	P			
			05	Perona, P	A	A	P			
			07	Low, S	A	A	P			
			08	Martin, A	A	A	P			
			09	Kitaev, A	A	A	P			
			11	Schroeder, P	A	A	P			
			13	Winfree, E	A	A	P			
			14	Umans, C	A	A	P			
			15	Wold, B	A	A	P			
			16	Siapas, A	A	A	P			
			17	Ligett, K	A	A	P			
			CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
						02	Barr, A	A	A	P

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<b>COMPUTER SCIENCE</b>										
CS 280	+	Research in Computer Science	03	Cvitanic, J	A	A	P			
			04	Umans, C	A	A	P			
			05	Desbrun, M	A	A	P			
			06	Winfree, E	A	A	P			
			07	Low, S	A	A	P			
			08	Martin, A	A	A	P			
			09	Chandy, K	A	A	P			
			10	Perona, P	A	A	P			
			11	Schroeder, P	A	A	P			
			12	Ligett, K	A	A	P			
			13	Kitaev, A	A	A	P			
			14	Wierman, A	A	A	P			
			15	Winfree, E	A	A	P			
			16	Doyle, J	A	A	P			
			17	Vidick, T	A	A	P			
			18	Yue, Y	A	A	P			
			CS 287	+	Center for the Mathematics of Information Seminar	01	Staff	T 16:00 - 16:55	A	P
			<b>COMPUTING AND MATHEMATICAL SCIENCES</b>							
CMS/CS/IDS 166	3-6-3	Computatonal Cameras	01	Bouman, K	TR 10:30 - 11:55	A				
CMS290C	1-0-0	Computing and Mathematical Sciences Colloquium	01	Hou, Y	M 16:00 - 16:55	A	P			
CMS300	+	Research in Computing and Mathematical Sciences	01	Wierman, A	A	A	P			
			02	Vidick, T	A	A	P			
			03	Beck, J	A	A	P			
			04	Burdick, J	A	A	P			
			05	Doyle, J	A	A	P			
			06	Murray, R	A	A	P			
			07	Owhadi, H	A	A	P			
			08	Barr, A	A	A	P			

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<b>COMPUTING AND MATHEMATICAL SCIENCES</b>							
CMS300	+	Research in Computing and Mathematical Sciences	09	Chandrasekaran, V	A	A	P
			10	Desbrun, M	A	A	P
			11	Low, S	A	A	P
			12	Perona, P	A	A	P
			13	Schroeder, P	A	A	P
			14	Schulman, L	A	A	P
			15	Umans, C	A	A	P
			16	Winfrey, E	A	A	P
			17	Yue, Y	A	A	P
			18	Pachter, L	A	A	P
			19	Anandkumar, A	A	A	P
			20	Thomson, M	A	A	P
			21	Stuart, A	A	A	P
			22	Van Valen, D	A	A	P
23	Bouman, K	A	A	P			
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS090C	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Burdick, J	A	A	
			02	Chung, S	A	A	
			03	Murray, R	A	A	
CDS110	3-3-3	Introduction to Feedback Control Systems <i>taught concurrently with ChE105</i>	01	Seinfeld, J	MWF 14:00 - 14:55	A	G
CDS141	3-2-4	Network Control Systems	01	Doyle, J	TR 13:00 - 14:25	A	P
CDS190	+	Independent Work in Control and Dynamical Systems	01	Staff	A	A	P
CDS233	3-0-6	Nonlinear Control	01	Ames, A	MWF 11:00 - 12:25	A	
CDS244	2-0-2	System Identification	01	Lavretsky, E	F 10:00 - 11:55	A	

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<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>										
CDS300C	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P			
			02	Doyle, J	A	A	P			
			03	Goentoro, L	A	A	P			
			04	Beck, J	A	A	P			
			05	Dickinson, M	A	A	P			
			06	Murray, R	A	A	P			
			07	Owhadi, H	A	A	P			
			08	Quartz, S	A	A	P			
			09	Elowitz, M	A	A	P			
			11	Desbrun, M	A	A	P			
			12	Ortiz, M	A	A	P			
			13	Adolphs, R	A	A	P			
			14	Siapas, A	A	A	P			
			16	Ames, A	A	A	P			
			17	Chung, S	A	A	P			
			<b>ECONOMICS</b>							
			BEM/Ec/PS 080	1-0-0	Frontiers in Social Sciences	01	Cvitanic, J	M 12:00 - 12:55	A	P
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P			
Ec 098C	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P			
Ec 117	3-0-6	Matching Markets	01	Pomatto, L	MW 09:00 - 10:25	A	G			
Ec 136	3-0-6	Behavioral Decision Theory	01	Sprenger, C	TR 14:30 - 15:55	A				
Ec/PS 160C	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Completion of Ec/PS 160AB required.//Maximum</i>	01	Plott, C	TR 09:00 - 10:25	A	G			



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<b>ECONOMICS</b>							
PS/Ec 172	3-0-6	Game Theory	01	Tamuz, O	TR 13:00 - 14:25	A	
<b>ELECTRICAL ENGINEERING</b>							
EE 001	3-0-6	The Science of Data, Signals, and Information	01	Vaidyanathan, P	TR 14:30 - 15:55	A	
FS/EE 005	1-5-0	Freshman Seminar: Introduction to Waves <i>maximum enrollment: 24 students // see course syllabus link for class description and experiments lined up</i>	01	Yang, C	T 10:30 - 11:25	A	P
EE/CS 010B	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 15:00 - 15:55	A	
EE 045	3-3-6	Electronics Systems and Laboratory	01	Emami, A	TR 09:00 - 10:25	A	
EE 080C	+	Senior Thesis	01 02 03 04 05 06 07 08 09 10 11 12	Vaidyanathan, P Scherer, A Hajimiri, S Hassibi, B Tai, Y Effros, M Doyle, J Abbott, R Emami, A George, G Choo, H Van Valen, D	A A A A A A A A A A A A	A A A A A A A A A A A A	P P P P P P P P P P P P
EE 090	1-8-0	Analog Electronics Project Laboratory	01	Kalantar Ohanian, R	OM,T 17:00 - 17:55	A	G
EE 099	+	Advanced Work in Electrical Engineering	01 02 03	George, G Perona, P Scherer, A	A A A	A A A	P P P

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<b>ELECTRICAL ENGINEERING</b>										
EE 099	+	Advanced Work in Electrical Engineering	04	Meyerowitz, E	A	A	P			
			05	Marandi, A	A	A	P			
			06	Murray, R	A	A	P			
			07	Low, S	A	A	P			
			08	Yang, C	A	A	P			
			09	Martin, A	A	A	P			
			10	Chandy, K	A	A	P			
			11	Tai, Y	A	A	P			
			12	Hajimiri, S	A	A	P			
			13	Emami, A	A	A	P			
			14	Klement, L	A	A	P			
			15	Yariv, A	A	A	P			
			16	Bruck, J	A	A	P			
			17	Doyle, J	A	A	P			
			18	Atwater, H	A	A	P			
			EE 105C	1-0-0	Electrical Engineering Seminar	01	Staff	A	A	P
			APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab <i>class cancelled</i>	01	Staff	A	A	
			EE 110C	3-4-2	Embedded Systems Design Laboratory	01	George, G	OM,T 04:00 - 04:55	A	
EE 113	3-3-3	Feedback and Control Circuits	01	George, G	TF 13:00 - 14:25	A				
EE/MedE 114B	4-0-8	Analog Circuit Design	01	Hajimiri, S	TR 09:00 - 10:55	A				
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	A	P			
EE/CS 119C	3-3-3	Advanced Digital Systems Design	01	George, G	OM,M 16:00 - 16:55	A				

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<b>ELECTRICAL ENGINEERING</b>							
EE/MedE 124	3-0-6	Mixed-mode Integrated Circuits	01	Staff	A	A	
EE/CS/MedE 125	3-6-0	Digital Electronics and Design with FPGAs and VHDL	01	Pedroni, V	OM,T 16:00 - 16:55	A	
ME/CS/EE 134	3-6-0	Robotic Systems	01	Niemeyer, G	MWF 15:00 - 15:55	A	
CS/EE 145	0-0-9	Projects in Networking	01	Wierman, A	OM,M 13:00 - 13:55	A	
CS/EE 146	3-3-3	Control and Optimization of Networks	01	Low, S	MWF 14:00 - 14:55	A	
EE/CNS/CS 148	3-0-6	Selected Topics in Computational Vision	01	Perona, P	TR 10:30 - 11:55	A	
EE 151	3-0-6	Electromagnetic Engineering	01	Yang, C	TR 13:00 - 14:25	A	
EE 153	3-2-7	Microwave Circuits and Antennas	01	Antsos, D	T 15:00 - 16:55 R 15:00 - 15:55	A A	
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	A	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	A	A	
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	A	
ACM/EE/IDS 170	3-0-9	Mathematics of Signal Processing	01	Hassibi, B	TR 13:00 - 14:25	A	
APh/EE 183	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Nad Perge, S	TR 13:00 - 14:25	A	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Yang, C	TR 14:30 - 15:55	A	

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<b>ELECTRICAL ENGINEERING</b>							
BE/EE/MedE 189B	0-9-0	Design and Construction of Biodevices	01	Yang, C	TR 14:30 - 15:55	A	
MedE/EE 268	4-0-5	Medical Imaging	01	Wang, L	WF 15:30 - 17:25	A	
EE 291	+	Advanced Work in Electrical Engineering	01	Atwater, H	A	A	P
			02	Wang, L	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Abu-Mostafa, Y	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Heath, J	A	A	P
			09	George, G	A	A	P
			10	Weinreb, S	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hassibi, B	A	A	P
			13	Campbell, J	A	A	P
			14	Low, S	A	A	P
			15	Phillips, R	A	A	P
			16	Choo, H	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Vahala, K	A	A	P
			20	Gharib, M	A	A	P
			21	Psaltis, D	A	A	P
			22	Haile, S	A	A	P
			23	Quartz, S	A	A	P
			24	Roukes, M	A	A	P
			25	Tsao, D	A	A	P
			26	Scherer, A	A	A	P
			27	Cvitanic, J	A	A	P
			28	Tai, Y	A	A	P

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<b>ELECTRICAL ENGINEERING</b>							
EE 291	+	Advanced Work in Electrical Engineering	29	Vaidyanathan, P	A	A	P
			30	Yariv, A	A	A	P
			31	Hoffmann, M	A	A	P
			32	Yang, C	A	A	P
			33	Chandrasekaran, V	A	A	P
			34	Martin, A	A	A	P
			35	Avouac, J	A	A	P
			36	Bridges, W	A	A	P
			37	Zmuidzinis, J	A	A	P
			38	Emami, A	A	A	P
			39	Painter, O	A	A	P
			40	Faraon, A	A	A	P
			41	Pellegrino, S	A	A	P
			42	Hallinan, G	A	A	P
			43	Lahouti, F	A	A	P
			44	Minnich, A	A	A	P
			45	Kostina, V	A	A	P
			47	Yue, Y	A	A	P
			48	Shapiro, M	A	A	P
			49	Yeh, N	A	A	P
			50	Marandi, A	A	A	P
			51	Anderson, D	A	A	P
52	Mirhosseini Niri, S	A	A	P			
<b>ENGINEERING</b>							
E 100	0-0-0	Special Topics in Engineering & Applied Science: Careers in STEAM <i>(1-0-0) units // taught concurrently with Hum 75</i>	01	Mushkin, H	R 12:00 - 12:55	A	P
E/SEC 102	3-0-6	Scientific and Technology Entrepreneurship <i>maximum enrollment: 40 students // juniors and above only</i>	01	Wilson, N	F 13:00 - 15:55	A	G

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<b>ENGINEERING</b>							
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>maximum enrollment: 20 students // open to upperclass undergrads and graduate students only</i>	01	Horii, C	W 10:00 - 11:55	A	P
<b>ENGLISH</b>							
Hum/En 021	3-0-6	Monsters and Marvels <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Jahner, J	TR 14:30 - 15:55	A	
Hum/En 022	3-0-6	Inequality <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Haugen, K	R 19:00 - 21:55	A	
Hum/En 023	3-0-6	Literature and Medicine <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Gilmore, D	TR 14:30 - 15:55	A	
Hum/En 026	3-0-6	What Is Imagination? <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Holland, J	TR 09:00 - 10:25	A	
Hum/En 027	3-0-6	Literature and the Problem of Belief <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Koch, J	TR 09:00 - 10:25	A	
En/Wr 084	3-0-6	Communicating Science to Non-Experts <i>maximum enrollment: 15 students // graduate students can only enroll with instructor's permission</i>	01	Hall, S	TR 13:00 - 14:25	A	
En 085	3-0-6	Poetry Writing <i>maximum enrollment: 12 students</i>	01	Factor, J	TR 13:00 - 14:25	A	
En 089	3-0-6	Writing the News - Journalistic Writing <i>maximum enrollment: 12 students</i>	01	Kipling, R	T 19:00 - 21:55	A	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P

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<b>ENGLISH</b>							
En 099B	1-0-8	Senior Tutorial for English Majors	01	Jurca, C	A	A	G
		<i>Instructor permission required prior to registering</i>	02	Weinstein, C	A	A	G
En 106	3-0-6	Poetry and the Project of Justice <i>maximum enrollment: 15 students</i>	01	Jahner, J	TR 10:30 - 11:55	A	
En 123	3-0-6	The 19th-Century English Novel <i>maximum enrollment: 20 students</i>	01	Gilmore, D	TR 10:30 - 11:55	A	
En 137	3-0-6	African American Literature <i>maximum enrollment: 15 students</i>	01	Weinstein, C	OM,M 13:00 - 13:55	A	G
En 151	3-0-6	Keeping Time <i>maximum enrollment: 15 students</i>	01	Holland, J	TR 13:00 - 14:25	A	
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	A	
<b>ENGLISH AS A SECOND LANGUAGE</b>							
ESL/Wr 107	3-0-3	Graduate Writing Seminar <i>maximum enrollment: 15 students</i>	01	Daley, C	MW 16:00 - 17:25	A	P
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE001	3-0-6	Earth's Climate <i>maximum enrollment: 30 students</i>	01	Wennberg, P	MWF 14:00 - 14:55	A	
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P
			03	Thompson, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Bordoni, S	A	A	P
			06	Leadbetter, J	A	A	P
			07	Adkins, J	A	A	P
			08	Flagan, R	A	A	P
			09	Frankenberg, C	A	A	P

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE100	+	Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i>	01	Adkins, J	A	A	P
			02	Flagan, R	A	A	P
			03	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Thompson, A	A	A	P
			06	Kornfield, J / Diallo, M	A	A	P
			07	Diallo, M	A	A	P
			08	Yung, Y	A	A	P
			09	Seinfeld, J	A	A	P
			10	Wennberg, P	A	A	P
			11	Diallo, M / Kornfield, J	A	A	P
			12	Schneider, T	A	A	P
			13	Leadbetter, J	A	A	P
ESE106	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P
			02	Blake, G	A	A	P
			03	Bordoni, S	A	A	P
			04	Eiler, J	A	A	P
			05	Flagan, R	A	A	P
			06	Hoffmann, M	A	A	P
			07	Ingersoll, A	A	A	P
			08	Lamb, M	A	A	P
			09	Leadbetter, J	A	A	P
			10	Newman, D	A	A	P
			11	Okumura, M	A	A	P
			12	Orphan, V	A	A	P
			13	Schneider, T	A	A	P
			14	Seinfeld, J	A	A	P
			15	Sessions, A	A	A	P
			16	Wennberg, P	A	A	P
			17	Yung, Y	A	A	P
18	Thompson, A	A	A	P			
19	Frankenberg, C	A	A	P			
20	Callies, J	A	A	P			



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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE110C	1-0-0	Seminar in Environmental Science and Engineering	01	Callies, J	W 16:00 - 16:55	A	P
ESE131	3-0-6	Ocean Dynamics	01	Callies, J	MWF 13:00 - 13:55	A	
ESE132	3-0-6	Tropical Atmosphere Dynamics	01	Schneider, T	TR 09:00 - 10:25	A	
ESE/Ge 142	3-0-6	Aquatic Chemistry of Natural Waters	01	Adkins, J	MWF 13:00 - 13:55	A	
Ge/ESE 143	3-2-4	Organic Geochemistry	01	Sessions, A	MWF 11:00 - 11:55	A	
ESE144	3-0-6	Climate From Space	01	Teixeira, J / Thompson, A	TR 10:30 - 11:55	A	
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Knutson, H	MWF 14:00 - 14:55	A	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	A	A	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	A	
ESE/Ch 177	3-0-6	Environmental Physical Organic Chemistry Part II	01	Hoffmann, M	MWF 10:00 - 10:55	A	
ESE300	+	Thesis Research	01	Adkins, J	A	A	P
			02	Sessions, A	A	A	P
			03	Okumura, M	A	A	P
			04	Hoffmann, M	A	A	P
			05	Ingersoll, A	A	A	P
			06	Leadbetter, J	A	A	P
			07	Flagan, R	A	A	P
			08	Orphan, V	A	A	P
			09	Seinfeld, J	A	A	P

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE300	+	Thesis Research	10	Wennberg, P	A	A	P
			11	Yung, Y	A	A	P
			12	Schneider, T	A	A	P
			13	Bordoni, S	A	A	P
			14	Thompson, A	A	A	P
			15	Callies, J	A	A	P
			16	Frankenberg, C	A	A	P
<b>FRESHMAN SEMINARS</b>							
FS/EE 005	1-5-0	Freshman Seminar: Introduction to Waves <i>maximum enrollment: 24 students // see course syllabus link for class description and experiments lined up</i>	01	Yang, C	T 10:30 - 11:25	A	P
FS/Ph 011C	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
<b>GEOLOGY</b>							
Ge 001	3-3-3	Earth and Environment <i>Field Trip Dates: TBD // Labs: TBD</i>	01	Asimow, P	MWF 14:00 - 14:55	A	G
Ge/Ay 011C	3-0-6	Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i>	01	Ingersoll, A	TR 13:00 - 14:25	A	
Ge 040	+	Special Problems for Undergraduates	01	Kirschvink, J	A	A	P
			02	Knutson, H	A	A	P
			03	Lamb, M	A	A	P
			04	Adkins, J	A	A	P
			05	Rossman, G	A	A	P
			06	Ingersoll, A	A	A	P
			07	Asimow, P	A	A	P
			08	Clayton, R	A	A	P
			09	Sessions, A	A	A	P
			10	Yung, Y	A	A	P
			11	Eiler, J	A	A	P

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<b>GEOLOGY</b>							
Ge 040	+	Special Problems for Undergraduates	12	Jackson, J	A	A	P
			13	Brown, M	A	A	P
			14	Fischer, W	A	A	P
			15	Orphan, V	A	A	P
			16	Ehlmann, B	A	A	P
			17	de Kleer, K	A	A	P
			Ge 041C	+	Undergraduate Research and Bachelor's Thesis	01	Grotzinger, J
02	Newman, D	A				A	P
03	Kirschvink, J	A				A	P
04	Stock, J	A				A	P
05	Ingersoll, A	A				A	P
06	Orphan, V	A				A	P
07	Fischer, W	A				A	P
08	Jackson, J	A				A	P
09	Sessions, A	A				A	P
10	Leadbetter, J	A				A	P
11	Asimow, P	A				A	P
12	Rossmann, G	A				A	P
13	Adkins, J	A				A	P
14	Lamb, M	A				A	P
15	Ehlmann, B	A				A	P
16	Simons, M	A				A	P
17	Ingersoll, A	A				A	P
Ge 103	3-0-6	Introduction to the Solar System <i>Taught concurrently with Ge/Ay 011C</i>	01	Ingersoll, A	TR 13:00 - 14:25	A	
Ge 109	+	Oral Presentation <i>Section 1: Geochemistry // Section 2: Geobiology</i>	01	Rossmann, G	R 17:15 - 18:15	A	P
			02	Sessions, A	A	A	P
Ge 111B	0-3-6	Applied Geophysics Seminar and Field Course <i>class cancelled</i>	01	Staff	A	A	G
Ge 120A	1-6-2	Introduction to Field Geology	01	Bucholz, C	OM,M 10:00 - 10:55	A	

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<b>GEOLOGY</b>							
Ge 121A	0-9-3	Advanced Field Geology	01	Avouac, J	A	A	
Ge 121C	0-9-3	Advanced Field Geology	01	Stock, J	A	A	G
Ge 124A	0-0-6	Paleomagnetism and Magnetostratigraphy <i>class cancelled</i>	01	Kirschvink, J	A	A	
Ge 124B	3-3-3	Paleomagnetism and Magnetostratigraphy	01	Kirschvink, J	A	A	
Ge/Ch 127	3-0-6	Nuclear Chemistry	01	Burnett, D	TR 14:30 - 15:55	A	
Ge 131	3-0-6	Planetary Structure and Evolution	01	Stevenson, D	MWF 10:00 - 10:55	A	
Ge 136C	1-0-2	Regional Field Geology of the Southwestern United States <i>class cancelled</i>	01	Kirschvink, J	A	A	P
ESE/Ge 142	3-0-6	Aquatic Chemistry of Natural Waters	01	Adkins, J	MWF 13:00 - 13:55	A	
Ge/ESE 143	3-2-4	Organic Geochemistry	01	Sessions, A	MWF 11:00 - 11:55	A	
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Knutson, H	MWF 14:00 - 14:55	A	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	A	A	
Ge 163	3-0-6	Geodynamics	01	Gurnis, M	MWF 09:00 - 09:55	A	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	A	
Ge 190	0-0-0	The Nature and Evolution of the Earth <i>Outreach and mentoring // 3 units</i>	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P

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<b>GEOLOGY</b>							
Ge 190	0-0-0	The Nature and Evolution of the Earth <i>Outreach and mentoring // 3 units</i>	03	Fischer, W	A	A	P
			04	Avouac, J	A	A	P
			05	Bucholz, C	A	A	P
Ay/Ge 198	2-0-4	Special Topics in the Planetary Sciences	01	Mawet, D / Howard, A	A	A	
Ge 214	3-0-6	Spectroscopy of Minerals	01	Rossmann, G	MWF 15:00 - 15:55	A	
Ge 219	2-0-4	Non-traditional Isotopes Seminar	01	Tissot, F	TR 15:00 - 15:55	A	
Ge/Bi 244	3-0-3	Paleobiology Seminar	01	Kirschvink, J	A	A	
Ge 261	3-0-6	Advanced Seismology	01	Zhan, Z	MWF 15:00 - 15:55	A	
Ge 264	3-0-6	Machine Learning in Geophysics	01	Ross, Z	TR 13:00 - 14:25	A	
Ge 270	3-0-6	Continental Tectonics	01	Wernicke, B	A	A	
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Clayton, R	A	A	P
			03	Stock, J	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	Eiler, J	A	A	P
			09	Jackson, J	A	A	P
			10	Farley, K	A	A	P
			11	Gurnis, M	A	A	P
			12	Saleeby, J	A	A	P
			14	Ingersoll, A	A	A	P

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

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<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Batygin, K	A	A	P
			03	Fischer, W	A	A	P
			04	Kirschvink, J	A	A	P
			05	Asimow, P	A	A	P
			06	Blake, G	A	A	P
			07	Brown, M	A	A	P
			08	Clayton, R	A	A	P
			09	Eiler, J	A	A	P
			10	Farley, K	A	A	P
			11	Gurnis, M	A	A	P
			12	Heaton, T	A	A	P
			14	Schneider, T	A	A	P
			15	Grotzinger, J	A	A	P
			16	Simons, M	A	A	P
			17	Avouac, J	A	A	P
			18	Newman, D	A	A	P
			19	Ampuero Saenz, J	A	A	P
			20	Ehlmann, B	A	A	P
			21	Orphan, V	A	A	P
			22	Fischer, W	A	A	P
			23	Saleeby, J	A	A	P
			24	Kulkarni, S	A	A	P
			25	Lamb, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Stock, J	A	A	P
			28	Stolper, E	A	A	P
			29	Knutson, H	A	A	P
			30	Bucholz, C	A	A	P
			31	Zhan, Z	A	A	P
			32	Yung, Y	A	A	P
			33	Wernicke, B	A	A	P
			34	Rossman, G	A	A	P

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<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	35	Sessions, A	A	A	P
			36	Lapusta, N	A	A	P
			37	Jackson, J	A	A	P
			38	Ingersoll, A	A	A	P
			39	Bordoni, S	A	A	P
			40	Tsai, V	A	A	P
			41	Leadbetter, J	A	A	P
			42	Ross, Z	A	A	P
			43	de Kleer, K	A	A	P
<b>HISTORY</b>							
Hum/H 002	3-0-6	Twentieth Century African American History <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Wiggins, D	TR 14:30 - 15:55	A	
Hum/H 008A	3-0-6	Civilization, Science, and Archaeology: Before Greece: The Origins of Civilization in Mesopotamia <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	A	
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	A	
Hum/H 009C	3-0-6	European Civilization: Modern Europe <i>Attendance at the first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Kormos-Buchwald, D	T 19:00 - 21:55	A	
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	A	
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
H 099C	1-0-8	Research Tutorial <i>Instructor permission required prior to</i>	01	Gronningsater, S	A	A	
			02	Brown, W	A	A	



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<b>HISTORY</b>							
H 099C	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	03	Dennison, T	A	A	
			04	Dykstra, M	A	A	
			05	Hoffman, P	A	A	
			06	Kousser, J	A	A	
			07	Wey-Gomez, N	A	A	
H 108B	3-0-6	The High Middle Ages <i>open by lottery only, see REGIS home page to enter before 8am February 24th // maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	A	
H 132	3-0-6	Humanistic Ecology <i>maximum enrollment: 15 students</i>	01	Lewis, D	T 19:00 - 21:55	A	
H 152	3-0-6	Where Do We Go From Here? Black America in the Post-Civil Rights Era <i>maximum enrollment: 20 students</i>	01	Wiggins, D	W 19:00 - 21:55	A	
H/HPS 155B	3-0-6	Mortality Crises and Social Change: Epidemic Disease from 1300 to the Present <i>maximum enrollment: 15 students</i>	01	Kormos-Buchwald, D	W 19:00 - 21:55	A	
HPS/H 162	3-0-6	Social Studies of Science <i>maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	A	
HPS/H 168	3-0-6	History of Electromagnetism and Heat Science <i>maximum enrollment: 15 students</i>	01	Buchwald, J	TR 10:30 - 11:55	A	
HPS/H 174	3-0-6	Economies of Nature: Global History of Biotechnology <i>maximum enrollment: 15 students</i>	01	Kollmer, C	TR 14:30 - 15:55	A	G
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	A	
<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	A	

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<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
HPS098	+	Reading in History and Philosophy of Science	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 13:00 - 14:25	A	
HPS/PI 125	3-0-6	Philosophical Issues in Quantum Physics <i>maximum enrollment: 20 students</i>	01	Hubert, M	TR 14:30 - 15:55	A	
H/HPS 155B	3-0-6	Mortality Crises and Social Change: Epidemic Disease from 1300 to the Present <i>maximum enrollment: 15 students</i>	01	Kormos-Buchwald, D	W 19:00 - 21:55	A	
HPS/H 162	3-0-6	Social Studies of Science <i>maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	A	
HPS/H 168	3-0-6	History of Electromagnetism and Heat Science <i>maximum enrollment: 15 students</i>	01	Buchwald, J	TR 10:30 - 11:55	A	
HPS/H 174	3-0-6	Economies of Nature: Global History of Biotechnology <i>maximum enrollment: 15 students</i>	01	Kollmer, C	TR 14:30 - 15:55	A	G
<b>HUMANITIES</b>							
Hum/H 002	3-0-6	Twentieth Century African American History <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Wiggins, D	TR 14:30 - 15:55	A	
Hum/H 008A	3-0-6	Civilization, Science, and Archaeology: Before Greece: The Origins of Civilization in Mesopotamia <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	A	
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	A	
Hum/H 009C	3-0-6	European Civilization: Modern Europe <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students</i>	01	Kormos-Buchwald, D	T 19:00 - 21:55	A	

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<b>HUMANITIES</b>							
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	A	
Hum/En 021	3-0-6	Monsters and Marvels <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Jahner, J	TR 14:30 - 15:55	A	
Hum/En 022	3-0-6	Inequality <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Haugen, K	R 19:00 - 21:55	A	
Hum/En 023	3-0-6	Literature and Medicine <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Gilmore, D	TR 14:30 - 15:55	A	
Hum/En 026	3-0-6	What Is Imagination? <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Holland, J	TR 09:00 - 10:25	A	
Hum/En 027	3-0-6	Literature and the Problem of Belief <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Koch, J	TR 09:00 - 10:25	A	
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	T 09:00 - 10:25 T 14:30 - 15:55	A A	
Hum/PI 044	3-0-6	Philosophy Through Science Fiction <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>	01	Sebens, C	TR 09:00 - 10:25	A	
Hum075	0-0-0	Selected Topics in Humanities: Careers in STEAM <i>(0-0-1) units // taught concurrently with E 100</i>	01	Mushkin, H	R 12:00 - 12:55	A	P
Hum114C	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 15 students</i>	01	Garcia, D	OM,M 17:00 - 17:55	A	
L/Hum 150B	3-0-6	Japanese Literature in Translation <i>taught by Dr. Hirai // maximum enrollment: 15 students</i>	01	Toner, R	TR 16:00 - 17:25	A	

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<b>HUMANITIES</b>							
L/Hum 152B	3-0-6	French Literature in Translation: Classical and Modern <i>maximum enrollment: 15 students</i>	01	Merrill, T	OM,T 14:00 - 14:55	A	
Hum174	3-0-6	Topics in Chinese Literature <i>maximum enrollment: 10 students</i>	01	Ming, F	MW 17:00 - 18:25	A	
<b>INFORMATION AND DATA SCIENCES</b>							
CS/IDS 150B	3-0-6	Probability and Algorithms	01	Schulman, L	MWF 10:00 - 10:55	A	
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	A	
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	A	
CMS/CS/IDS 166	3-6-3	Computational Cameras	01	Bouman, K	TR 10:30 - 11:55	A	
ACM/EE/IDS 170	3-0-9	Mathematics of Signal Processing	01	Hassibi, B	TR 13:00 - 14:25	A	
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Staff	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01	Murray, R	A	A	P
			02	Low, S	A	A	P
			03	Chandrasekaran, V	A	A	P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Perona, P	A	A	P
<b>LANGUAGES</b>							
L 102C	3-0-6	Elementary French	01	Orcel, C	OM,M 13:00 - 13:55	A	G
L 103C	3-0-6	Intermediate French	01	Orcel, C	OM,M 14:00 - 14:55	A	

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<b>LANGUAGES</b>							
L 106C	4-0-5	Elementary Japanese <i>maximum enrollment: 15 students per section</i>	01	Fujio, M	MTWR 15:00 - 15:55	A	
			02	Fujio, M	MTWR 16:00 - 16:55	A	
L 107C	3-0-6	Intermediate Japanese <i>Prerequisite: L 106abc or equivalent // Taught by Dr. Hirai // maximum enrollment: 15 students</i>	01	Toner, R	MW 16:00 - 17:25	A	
L 110C	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students per section</i>	01	Arjona, G	OM,M 12:00 - 12:55	A	
			02	Garcia, D	MWR 12:00 - 12:55	A	
L 112C	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Arjona, G	M 17:00 - 17:55	A	
L 114C	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 5 students</i>	01	Garcia, D	OM,M 17:00 - 17:55	A	
L 130C	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	A	
L 132C	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	A	
L/Hum 150B	3-0-6	Japanese Literature in Translation <i>taught by Dr. Hirai // maximum enrollment: 15 students</i>	01	Toner, R	TR 16:00 - 17:25	A	
L/Hum 152B	3-0-6	French Literature in Translation: Classical and Modern <i>maximum enrollment: 15 students</i>	01	Merrill, T	OM,T 14:00 - 14:55	A	
L 167	3-0-6	Latin Literature <i>maximum enrollment: 15 students</i>	01	Pigman, G	OM,M 13:00 - 13:55	A	
L 170C	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	MTW 12:00 - 12:55	A	
L 171C	3-0-6	Elementary Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MTW 16:00 - 16:55	A	
L 172C	3-0-6	Intermediate Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	TR 09:00 - 10:25	A	

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<b>LANGUAGES</b>							
L 174	3-0-6	Topics in Chinese Literature <i>maximum enrollment: 10 students</i>	01	Ming, F	MW 17:00 - 18:25	A	
L 175	3-0-3	French Conversation	01	Orcel, C	OM,M 12:00 - 12:55	A	P
<b>MATERIALS SCIENCE</b>							
MS 078C	+	Senior Thesis	01	Gharib, M	A	A	P
			02	Johnson, W	A	A	P
			03	Ravichandran, G	A	A	P
			04	Greer, J	A	A	P
			05	Goddard, W	A	A	P
			06	Minnich, A	A	A	P
			07	Fultz, B	A	A	P
			08	Faber, K	A	A	P
			09	Daraio, C	A	A	P
MS 090	1-6-2	Materials Science Laboratory	01	Hofmann, D	M 12:00 - 12:55	A	
MS 100	+	Advanced Work in Materials Science	01	Minnich, A	A	A	P
			02	Fultz, B	A	A	P
			03	Lewis, N	A	A	P
			04	Davis, M	A	A	P
			05	Johnson, W	A	A	P
			06	Greer, J	A	A	P
			07	Faber, K	A	A	P
			08	Falson, J	A	A	P
			09	Gao, W	A	A	P
APh/MS 105C	3-0-6	States of Matter	01	Falson, J	TR 09:00 - 10:25	A	
MS 110C	1-0-0	Materials Research Lectures	01	Bernardi, M	W 16:00 - 16:55	A	P

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<b>MATERIALS SCIENCE</b>							
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure	01	Ahn, C	A	A	
MS 133	3-0-6	Kinetic Processes in Materials	01	Faber, K	TR 10:30 - 11:55	A	
MS 141	3-0-6	Introduction to Computational Methods for Science and Engineering	01	Bernardi, M	MWF 11:00 - 11:55	A	
MS/ME 161	3-0-6	Imperfections in Crystals	01	Greer, J	TR 14:30 - 15:55	A	
MS/APh 171	3-0-6	Inelastic Scattering of Materials, Molecules, and Condensed Matter	01	Fultz, B	MW 09:30 - 10:55	A	
MS 200	+	Advanced Work in Materials Science	01	Johnson, W	A	A	P
			02	Goddard, W	A	A	P
			03	Blake, G	A	A	P
			04	Fultz, B	A	A	P
			05	Daraio, C	A	A	P
			06	Heath, J	A	A	P
			07	Bhattacharya, K	A	A	P
			08	Lewis, N	A	A	P
			09	Yeh, N	A	A	P
			10	Atwater, H	A	A	P
			11	Ahn, C	A	A	P
			12	Greer, J	A	A	P
			13	Minnich, A	A	A	P
			14	Bernardi, M	A	A	P
			15	Ortiz, M	A	A	P
			16	Kochmann, D	A	A	P
			17	Faber, K	A	A	P
			18	Rees, D	A	A	P
			19	See, K	A	A	P
			20	Kornfield, J	A	A	P
			21	Falson, J	A	A	P

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<b>MATERIALS SCIENCE</b>							
MS 200	+	Advanced Work in Materials Science	22	Gao, W	A	A	P
ME/MS/Ae/AM 224	3-0-6	Multifunctional Materials	01	Bhattacharya, K	TR 13:00 - 14:25	A	
MS 300	+	Thesis Research	01	Johnson, W	A	A	P
			02	Faber, K	A	A	P
			03	Atwater, H	A	A	P
			04	Goddard, W	A	A	P
			05	Fultz, B	A	A	P
			06	Greer, J	A	A	P
			07	Haile, S	A	A	P
			08	Lewis, N	A	A	P
			09	Bhattacharya, K	A	A	P
			10	Rosakis, A	A	A	P
			11	Minnich, A	A	A	P
			12	Snyder, G	A	A	P
			13	Bernardi, M	A	A	P
			14	Ortiz, M	A	A	P
			15	Falson, J	A	A	P
			16	Cross, M	A	A	P
			17	Rees, D	A	A	P
			18	Gao, W	A	A	P
<b>MATHEMATICS</b>							
Ma 001C	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-6 // Analytical Track: Sections 7-9</i>	01	Flach, M	MWF 10:00 - 10:55 R 09:00 - 09:55	A A	G
			02	Flach, M	MWF 10:00 - 10:55 R 10:00 - 10:55	A A	G
			03	Flach, M	MWF 10:00 - 10:55 R 13:00 - 13:55	A A	G
			04	Flach, M	MWF 10:00 - 10:55 R 14:00 - 14:55	A A	G



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<b>MATHEMATICS</b>							
Ma 001C	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-6 // Analytical Track: Sections 7-9</i>	05	Flach, M	MWF 10:00 - 10:55 R 18:00 - 18:55	A A	G
			06	Flach, M	MWF 10:00 - 10:55 R 10:00 - 10:55	A A	G
			07	Ni, Y	MWF 10:00 - 10:55 R 10:00 - 10:55	A A	G
			08	Ni, Y	MWF 10:00 - 10:55 R 16:00 - 16:55	A A	G
			09	Ni, Y	MWF 10:00 - 10:55 R 15:00 - 15:55	A A	G
Ma 004	3-0-6	Introduction to Mathematical Chaos <i>taught concurrently with Ma 104</i>	01	Parikh, S	TR 10:30 - 11:55	A	
Ma 005C	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105c</i>	01	Mantovan, E	MWF 09:00 - 09:55	A	
Ma/CS 006C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma 106c</i>	01	Kechris, A	TR 13:00 - 14:25	A	
Ma 007	3-0-6	Number Theory for Beginners <i>taught concurrently with Ma 107</i>	01	Campbell, C	TR 10:30 - 11:55	A	
Ma 011	0-0-3	Mathematical Writing <i>class is taught as individually scheduled meetings after the OM</i>	01	Ni, Y	A	A	G
Ma 092C	+	Senior Thesis	01	Mantovan, E	A	A	P
			02	Kechris, A	A	A	P
			03	Marculli, M	A	A	P
			04	Burungale, A	A	A	P
			05	Zhu, X	A	A	P
			06	Burungale, A	A	A	P
Ma 097	+	Research in Mathematics	01	Ni, Y	A	A	P
			02	Burungale, A	A	A	P
Ma 098	+	Independent Reading <i>Faculty permission required to register for</i>	01	Graber, T	A	A	P
			02	Katz, N	A	A	P

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<b>MATHEMATICS</b>							
Ma 104	3-0-6	Introduction to Mathematical Chaos <i>taught concurrently with Ma 4</i>	01	Parikh, S	TR 10:30 - 11:55	A	
Ma 105C	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5c</i>	01	Mantovan, E	MWF 09:00 - 09:55	A	
Ma/CS 106C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 006c</i>	01	Kechris, A	TR 13:00 - 14:25	A	
Ma 107	3-0-6	Number Theory for Beginners <i>taught concurrently with Ma 7</i>	01	Campbell, C	TR 10:30 - 11:55	A	G
Ma 108C	3-0-6	Classical Analysis	01	Karpukhin, M	MWF 11:00 - 11:55	A	
Ma 109C	3-0-6	Introduction to Geometry and Topology	01	Park, J	MWF 13:00 - 13:55	A	
Ma 110C	3-0-6	Analysis, I	01	Angelopoulos, I	MWF 11:00 - 11:55	A	
Ma 111C	3-0-6	Topics in Analysis	01	Makarov, N	TR 10:30 - 11:55	A	
Ma/CS 117C	3-0-6	Computability Theory	01	Vidnyanszky, Z	TR 13:00 - 14:25	A	
Ma 120C	3-0-6	Abstract Algebra	01	Flach, M	MWF 09:00 - 09:55	A	
Ma 121B	3-0-6	Combinatorial Analysis	01	Conlon, D	TR 13:00 - 14:25	A	
Ma 130C	3-0-6	Algebraic Geometry	01	Campbell, C	MWF 13:00 - 13:55	A	
Ma 151C	3-0-6	Algebraic and Differential Topology	01	Chen, L	MWF 10:00 - 10:55	A	
Ma 160C	3-0-6	Number Theory	01	Dunn, A	MWF 14:00 - 14:55	A	

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<b>MATHEMATICS</b>							
Ma 191C	3-0-6	Selected Topics in Mathematics <i>Sec 1: cancelled// Sec 2: TBA // Sec 3: Representations of <math>GL_2(F)</math> for a local non- Archimedean field <math>F</math></i>	01	Karpukhin, M	A	A	P
			02	Smillie, P	TR 13:00 - 14:25	A	P
			03	Szumowicz, A	TR 14:30 - 15:55	A	P
Ma 290	+	Reading <i>Faculty permission required to register for course.</i>	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P
			03	Frank, R	A	A	P
			04	Graber, T	A	A	P
			05	Isett, P	A	A	P
			06	Katz, N	A	A	P
			07	Kechris, A	A	A	P
			08	Makarov, N	A	A	P
			09	Mantovan, E	A	A	P
			10	Marcolli, M	A	A	P
			11	Markovic, V	A	A	P
			12	Ni, Y	A	A	P
			13	Radziwill, M	A	A	P
			14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Wang, L	A	A	P
			17	Zhu, X	A	A	P
			18	Gukov, S	A	A	P
			19	Kapustin, A	A	A	P
			20	Kapustin, A	A	A	P
			21	Kitaev, A	A	A	P
			22	Tamuz, O	A	A	P
			23	Cvitanic, J	A	A	P
			24	Owhadi, H	A	A	P
			26	Burungale, A	A	A	P
			Ma 390	+	Research <i>Faculty permission required to register for research.</i>	01	Conlon, D
02	Flach, M	A				A	P
03	Frank, R	A				A	P
04	Graber, T	A				A	P

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<b>MATHEMATICS</b>										
Ma 390	+	Research <i>Faculty permission required to register for research.</i>	05	Isett, P	A	A	P			
			06	Katz, N	A	A	P			
			07	Kechris, A	A	A	P			
			08	Makarov, N	A	A	P			
			09	Mantovan, E	A	A	P			
			10	Marcolli, M	A	A	P			
			11	Markovic, V	A	A	P			
			12	Ni, Y	A	A	P			
			13	Radziwill, M	A	A	P			
			14	Rains, E	A	A	P			
			15	Ramakrishnan, D	A	A	P			
			16	Wang, L	A	A	P			
			17	Zhu, X	A	A	P			
			18	Gukov, S	A	A	P			
			19	Kapustin, A	A	A	P			
			20	Kitaev, A	A	A	P			
			21	Oguri, H	A	A	P			
			22	Tamuz, O	A	A	P			
			23	Cvitanić, J	A	A	P			
			24	Owhadi, H	A	A	P			
			<b>MECHANICAL ENGINEERING</b>							
			ME 011C	3-0-6	Thermal Science	01	Colonius, T	MWF 14:00 - 14:55	A	G
			ME 012C	3-0-6	Mechanics	01	Fu, X	TR 13:00 - 14:25	A	
			ME 014	3-5-1	Design and Fabrication <i>Maximum enrollment: 30 students // Limited to ME or Ae students // Not open to freshmen</i>	01	Van Deusen, J / Mello, M	TR 14:30 - 15:55	A	G
ME 050B	0-6-3	Experiments and Modeling in Mechanical Engineering	01	Mello, M	MW 09:00 - 10:25	A	G			

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<b>MECHANICAL ENGINEERING</b>							
ME 090C	0-9-0	Senior Thesis, Experimental	01	Minnich, A	A	A	
ME 100	+	Independent Studies in Mechanical Engineering	01	Kochmann, D	A	A	P
			02	Hunt, M	A	A	P
			03	Burdick, J	A	A	P
			04	Blanquart, G	A	A	P
			05	Minnich, A	A	A	P
			06	Scherer, A	A	A	P
			07	Colonus, T	A	A	P
			08	Murray, R	A	A	P
			09	Mawet, D	A	A	P
			10	Perona, P	A	A	P
			11	Doyle, J	A	A	P
			12	Daraio, C	A	A	P
			13	Ames, A	A	A	P
			14	Mello, M	A	A	P
			15	McKeon, B	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Pullin, D	MWF 10:00 - 10:55	A	G
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Ravichandran, G	MWF 09:00 - 10:25	A	G
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Murray, R	A	A	P
			02	Burdick, J	A	A	P
			05	Ravichandran, G	A	A	P
			06	Shepherd, J	A	A	P
			07	Scherer, A	A	A	P
Ae/ME 120A	3-0-6	Combustion Fundamentals	01	Blanquart, G	MWF 14:00 - 14:55	A	G
ME/CS/EE 134	3-6-0	Robotic Systems	01	Niemeyer, G	MWF 15:00 - 15:55	A	

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<b>MECHANICAL ENGINEERING</b>							
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	P
MS/ME 161	3-0-6	Imperfections in Crystals	01	Greer, J	TR 14:30 - 15:55	A	
ME 200	+	Advanced Work in Mechanical Engineering	01	Lapusta, N	A	A	P
			02	Ravichandran, G	A	A	P
			03	Burdick, J	A	A	P
			05	Bhattacharya, K	A	A	P
ME 201	3-0-6	Advanced Topics in Mechanical Engineering <i>taught concurrently with AM 201 and CE 201</i>	01	Andrade, J	TR 15:00 - 16:25	A	
ME/MS/Ae/AM 224	3-0-6	Multifunctional Materials	01	Bhattacharya, K	TR 13:00 - 14:25	A	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Pullin, D	MWF 08:00 - 08:55	A	
ME 300	+	Research in Mechanical Engineering	01	Ames, A	A	A	P
			02	Bellan, P	A	A	P
			03	Bhattacharya, K	A	A	P
			04	Burdick, J	A	A	P
			05	Colonus, T	A	A	P
			06	Adkins, J	A	A	P
			07	Gharib, M	A	A	P
			08	Kochmann, D	A	A	P
			09	Stuart, A	A	A	P
			10	Hunt, M	A	A	P
			11	Lapusta, N	A	A	P
			12	Leonard, A	A	A	P
			13	Murray, R	A	A	P
			14	Ortiz, M	A	A	P
			15	Shepherd, J	A	A	P
			17	Brady, J	A	A	P
			18	Scherer, A	A	A	P

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<b>MECHANICAL ENGINEERING</b>							
ME 300	+	Research in Mechanical Engineering	19	Troian, S	A	A	P
			20	Greer, 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	Fultz, B	A	A	P
			26	Blanquart, G	A	A	P
			27	Andrade, J	A	A	P
			28	McKeon, B	A	A	P
			29	Hoffmann, M	A	A	P
			30	Asimaki, D	A	A	P
			31	Minnich, A	A	A	P
			32	Lewis, N	A	A	P
			33	Schneider, T	A	A	P
			34	Pachter, L	A	A	P
			35	Rosakis, A	A	A	P
			36	Dabiri, J	A	A	P
			37	Chung, S	A	A	P
38	Ismagilov, R	A	A	P			
39	Fu, X	A	A	P			
<b>MEDICAL ENGINEERING</b>							
MedE 099	+	Undergraduate Research in Medical Engineering	01	Gao, W	A	A	P
			02	Shapiro, M	A	A	P
			03	Wang, L	A	A	P
MedE 100C	1-0-0	Medical Engineering Seminar	01	Staff	A	A	P
EE/MedE 114B	4-0-8	Analog Circuit Design	01	Hajimiri, S	TR 09:00 - 10:55	A	
EE/MedE 124	3-0-6	Mixed-mode Integrated Circuits	01	Staff	A	A	

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<b>MEDICAL ENGINEERING</b>							
EE/CS/MedE 125	3-6-0	Digital Electronics and Design with FPGAs and VHDL	01	Pedroni, V	OM,T 16:00 - 16:55	A	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Yang, C	TR 14:30 - 15:55	A	
BE/EE/MedE 189B	0-9-0	Design and Construction of Biodevices	01	Yang, C	TR 14:30 - 15:55	A	
MedE 201B	3-0-6	Principles and Design of Medical Devices <i>class will focus on Neural Medical Devices</i>	01	Gao, W / Tai, Y	MW 13:00 - 14:25	A	G
MedE 205	2-0-4	New Frontiers in Medical Technologies	01	Nikzad, S	TR 12:00 - 12:55	A	P
MedE/EE 268	4-0-5	Medical Imaging	01	Wang, L	WF 15:30 - 17:25	A	
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	A	A	P
			03	Gao, W	A	A	P
			04	Emami, A	A	A	P
			05	Faraon, A	A	A	P
			06	Gharib, M	A	A	P
			07	Greer, J	A	A	P
			08	Hajimiri, S	A	A	P
			09	Scherer, A	A	A	P
			10	Tai, Y	A	A	P
			11	Yang, C	A	A	P
			12	Chandy, K	A	A	P
			13	Pickar, K	A	A	P
			14	Colonus, T	A	A	P
			15	Grubbs, R	A	A	P
			16	Ismagilov, R	A	A	P
			17	Shapiro, M	A	A	P
			18	Wang, L	A	A	P
			19	Gradinaru, V	A	A	P



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<b>MEDICAL ENGINEERING</b>							
MedE 291	+	Research in Medical Engineering	20	Daraio, C	A	A	P
			21	Kornfield, J	A	A	P
			22	Pachter, L	A	A	P
			23	Thomson, M	A	A	P
<b>MUSIC</b>							
Mu 055	3-0-6	The Great Orchestras: Their History, Conductors and Repertoire <i>maximum enrollment: 25 students</i>	01	Neenan, T	MW 11:00 - 12:25	A	
Mu 139	3-0-6	History III: Music History from 1850 to the Present <i>maximum enrollment: 20 students</i>	01	Neenan, T	MW 14:00 - 15:25	A	
<b>NEUROBIOLOGY</b>							
Bi/CNS/NB/Psy 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	R 10:00 - 10:55	A	G
					MWF 10:00 - 10:55	A	
			02	Adolphs, R / Lester, H	MWF 10:00 - 10:55	A	G
					R 13:00 - 13:55	A	
03	Adolphs, R / Lester, H	MWF 10:00 - 10:55	A	G			
		R 16:00 - 16:55	A				
04	Adolphs, R / Lester, H	MWF 10:00 - 10:55	A	G			
		R 19:00 - 19:55	A				
Bi/CNS/NB 152	2-0-4	Neural Circuits and Physiology of Appetite and Body Homeostasis	01	Oka, Y	TF 09:00 - 10:25	A	
Bi/CNS/NB 157	2-3-4	Comparative Nervous Systems	01	Allman, J	F 14:00 - 15:55	A	G
Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	A	
Bi/CNS/NB 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	A	

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<b>NEUROBIOLOGY</b>							
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P
			03	Andersen, R	A	A	P
			04	Anderson, D	A	A	P
			05	Bronner Hansen, M	A	A	P
			06	Dickinson, M	A	A	P
			07	Gradinaru, V	A	A	P
			08	Hong, E	A	A	P
			09	Kennedy, M	A	A	P
			10	Lester, H	A	A	P
			11	Lois, C	A	A	P
			12	Meister, M	A	A	P
			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
<b>PERFORMING AND VISUAL ARTS</b>							
PVA030C	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	A	P
			02	Elgart, M	T 15:30 - 16:25	A	P
			03	Elgart, M	T 17:30 - 18:25	A	P
PVA031C	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano Four- Hands // Sec 3: Guitar Ensemble</i>	01	Jasper White, M	OM,A	A	P
			02	Ward, R	OM,A	A	P
			03	Elgart, M	OM,A	A	P

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<b>PERFORMING AND VISUAL ARTS</b>							
PVA032C	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:15	A	P
PVA033C	0-3-0	Wind Orchestra	01	Price, G	R 19:30 - 21:45	A	P
PVA034C	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:15 - 20:55 W 21:15 - 22:45	A A	P
PVA035C	0-3-0	Glee Club	01	Sulahian, N	M 19:00 - 20:25 W 17:05 - 18:35	A A	P
PVA037C	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 21:55	A	P
PVA040C	2-0-1	Long Form Storytelling	01	Brophy, B	W 19:00 - 20:25	A	P
PVA041C	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	A	P
PVA042C	2-0-1	Improvisation for Scientists <i>course cancelled</i>	01	Staff	A	A	P
PVA061C	0-3-0	Silkscreen and Silk Painting	01 02	Barry, J Barry, J	M 19:00 - 21:55 R 19:00 - 21:55	A A	P P
PVA062C	0-3-0	Drawing and Painting <i>Section 3: Drawing and Painting for Geologists - open to GPS students only</i>	01 02 03	Barry, J Barry, J Barry, J	T 19:00 - 21:55 W 19:00 - 21:55 R 16:00 - 18:55	A A A	P P P
PVA063C	0-3-0	Ceramics <i>course cancelled</i>	01	Staff	A	A	P
<b>PHILOSOPHY</b>							
Hum/PI 041	3-0-6	Knowledge and Reality <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students per section</i>	01 02	Hitchcock, C Hitchcock, C	T 09:00 - 10:25 T 14:30 - 15:55	A A	

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<b>PHILOSOPHY</b>							
Hum/PI 044	3-0-6	Philosophy Through Science Fiction <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>	01	Sebens, C	TR 09:00 - 10:25	A	
PI 090B	1-0-8	Senior Thesis <i>Instructor permission required prior to registering</i>	01	Eberhardt, F	A	A	
			02	Quartz, S	A	A	
			03	Sebens, C	A	A	
PI 098	+	Reading in Philosophy	01	Staff	A	A	P
			02	Hitchcock, C	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>maximum enrollment: 15 students</i>	01	Sebens, C	TR 13:00 - 14:25	A	
HPS/PI 125	3-0-6	Philosophical Issues in Quantum Physics <i>maximum enrollment: 20 students</i>	01	Hubert, M	TR 14:30 - 15:55	A	
PI 185	3-0-6	Moral Philosophy <i>maximum enrollment: 15 students</i>	01	Pham, A	TR 13:00 - 14:25	A	
<b>PHYSICAL EDUCATION</b>							
PE 001	3-0-0	Wellness <i>maximum enrollment: 18 students per section</i>	01	Morgan, H	TR 09:00 - 10:25	A	P
			02	Eslinger, O	MW 13:00 - 14:25	A	P
			03	Whitehead, K	TR 14:30 - 15:55	A	P
PE 002	3-0-0	Student Designed Fitness <i>may only be taken once // maximum enrollment: 18 students per section</i>	01	Cohen, J	TR 10:30 - 11:55	A	P
			02	Gardner, T	MW 14:30 - 15:55	A	P
			03	Rensing, D	MW 10:00 - 11:25	A	P
PE 003	3-0-0	Hiking <i>may only be taken once // maximum enrollment: 24 students</i>	01	Brabson, A	F 16:00 - 18:55	A	P
PE 004	3-0-0	Introduction to Power Walking <i>maximum enrollment: 18 students</i>	01	Gamble, M	TR 09:00 - 10:25	A	P
PE 005	3-0-0	Beginning Running <i>maximum enrollment: 18 students</i>	01	Raphelson, B	MW 09:00 - 10:25	A	P

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<b>PHYSICAL EDUCATION</b>							
PE 006	3-0-0	Core Training, Beginning/Intermediate <i>maximum enrollment: 18 students</i>	01	Bonafede, J	MW 11:00 - 12:25	A	P
PE 024	3-0-0	Yoga, Beginning <i>maximum enrollment: 24 students per section</i>	01	Chiang, N	MW 13:00 - 14:25	A	P
			02	Chiang, N	MW 15:00 - 16:25	A	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate <i>maximum enrollment: 18 students per section</i>	01	Gould, E	MWF 10:00 - 10:55	A	P
			02	Reyes, B	TR 13:00 - 14:25	A	P
PE 085B	3-0-0	Intercollegiate Track and Field Teams <i>Open to NCAA eligible students only // men and women</i>	01	Raphelson, B	A	A	P
PE 087B	3-0-0	Intercollegiate Swimming and Diving Teams <i>Open to NCAA eligible students only // men and women</i>	01	Brabson, A	A	A	P
PE 090C	3-0-0	Intercollegiate Water Polo Teams <i>class cancelled</i>	01	Staff	A	A	P
PE 092	3-0-0	Intercollegiate Soccer Teams <i>Open to NCAA eligible students only // men and women</i>	01	Rensing, D / Gould, E	A	A	P
PE 093B	3-0-0	Intercollegiate Baseball Team <i>Open to NCAA eligible students only</i>	01	Whitehead, K	A	A	P
PE 095B	3-0-0	Intercollegiate Tennis Teams <i>Open to NCAA eligible students only // men and women</i>	01	Gamble, M / Cohen, J	A	A	P
PE 099	3-0-0	Intercollegiate Volleyball Team <i>Open to NCAA eligible students only</i>	01	Gardner, T	A	A	P
<b>PHYSICS</b>							
Ph 001C	4-0-5	Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track -- Sections 6-10 Analytical Track</i>	01	Alicea, J	WF 15:00 - 15:55	A	
					MR 13:00 - 13:55	A	
			02	Alicea, J	WF 15:00 - 15:55	A	
					MR 13:00 - 13:55	A	
			03	Alicea, J	WF 15:00 - 15:55	A	

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<b>PHYSICS</b>							
Ph 001C	4-0-5	Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track -- Sections 6-10 Analytical Track</i>	03	Alicea, J	MR 15:00 - 15:55	A	
			04	Alicea, J	WF 15:00 - 15:55	A	
					MR 15:00 - 15:55	A	
			05	Alicea, J	WF 15:00 - 15:55	A	
					MR 15:00 - 15:55	A	
			06	Hsieh, D	WF 11:00 - 11:55	A	
					MR 15:00 - 15:55	A	
			07	Hsieh, D	WF 11:00 - 11:55	A	
					MR 13:00 - 13:55	A	
			08	Hsieh, D	WF 11:00 - 11:55	A	
		MR 15:00 - 15:55	A				
09	Hsieh, D	WF 11:00 - 11:55	A				
		MR 13:00 - 13:55	A				
10	Hsieh, D	WF 11:00 - 11:55	A				
		MR 15:00 - 15:55	A				
Ph 002C	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Adhikari, R	TR 11:00 - 11:55	A	
					WF 11:00 - 11:55	A	
			02	Adhikari, R	TR 11:00 - 11:55	A	
					WF 13:00 - 13:55	A	
03	Adhikari, R	TR 11:00 - 11:55	A				
		WF 15:00 - 15:55	A				
Ph 003	0-3-3	Introductory Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	W 13:00 - 15:55	A	
					OM,M 14:00 - 14:55	A	
			02	Black, E / Libbrecht, K	OM,M 14:00 - 14:55	A	
					R 13:00 - 15:55	A	
03	Black, E / Libbrecht, K	F 13:00 - 15:55	A				
		OM,M 14:00 - 14:55	A				
Ph 008C	0-3-0	Experiments in Electromagnetism	01	Spiropulu, M	A	A	P
FS/Ph 011C	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P

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<b>PHYSICS</b>							
Ph 012C	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Patterson, R	TR 10:30 - 11:55	A	G
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	A	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	A	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	A	P
Ph 070	2-0-4	Oral and Written Communication <i>maximum enrollment: 9 students</i>	01	Hitlin, D	T 14:00 - 15:55	A	G
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	A	A	
Ph 077B	0-5-4	Advanced Physics Laboratory <i>class cancelled</i>	01	Black, E / Libbrecht, K	A	A	
Ph 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	A	A	
Ph 078C	9-0-0	Senior Thesis (Experiment)	01	Libbrecht, K	A	A	
Ph 079C	+	Senior Thesis (Theory)	01	Libbrecht, K	A	A	P
Ph 101	3-0-6	Order-of-Magnitude Physics	01	Phinney, E	MW 13:00 - 14:25	A	
Ph 106C	4-0-5	Topics in Classical Physics	01	Hutzler, N / Golwala, S	MWF 11:00 - 11:55	A	
APh/Ph/Ae 116	3-0-6	Physics of Thermal and Mass Transport in Hydrodynamic Systems	01	Troian, S	A	A	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	A	P

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<b>PHYSICS</b>							
Ph 121C	0-6-0	Computational Physics Lab	01	Refael, G	OM,T 10:30 - 11:25 TR 10:30 - 11:25	A A	P
Ph 125C	4-0-5	Quantum Mechanics	01	Chen, Y	MWF 10:00 - 10:55	A	
Ph 136C	3-0-6	Applications of Classical Physics	01	Teukolsky, S	TR 13:00 - 14:25	A	
APh/Ph 138A	3-0-6	Quantum Hardware and Techniques	01	Endres, M / Faraon, A / Hsieh, D / Nad Perge, S	TR 09:00 - 10:25	A	
Ph 171	+	Reading and Independent Study	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos 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
			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



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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	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
			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

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<b>PHYSICS</b>							
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	Kirby, E	A	A	P
			15	Knutson, H	A	A	P
			16	Libbrecht, K	A	A	P
			17	Martin, C	A	A	P
			18	Mawet, D	A	A	P
			19	Nad Perge, S	A	A	P
			20	Newman, H	A	A	P
			21	Oguri, H	A	A	P
			22	Painter, O	A	A	P
			23	Patterson, R	A	A	P
			24	Phillips, R	A	A	P
			25	Porter, F	A	A	P
			26	Prince, T	A	A	P
			27	Rosenbaum, T	A	A	P
			28	Roukes, M	A	A	P
			29	Scherer, A	A	A	P
			30	Schwab, K	A	A	P
			31	Spiropulu, M	A	A	P
			32	Stone, E	A	A	P
			33	Weinstein, A	A	A	P

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<b>PHYSICS</b>							
Ph 172	+	Research in Physics	34	Yeh, N	A	A	P
			35	Zmuidzinas, J	A	A	P
			36	Yue, Y	A	A	P
			37	Bellan, P	A	A	P
			38	Wise, M	A	A	P
			39	Bernardi, M	A	A	P
			40	Chen, X	A	A	P
			41	Chen, Y	A	A	P
			42	Cheung, C	A	A	P
			43	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			44	Gukov, S	A	A	P
			45	Hopkins, P	A	A	P
			46	Kapustin, A	A	A	P
			47	Preskill, J	A	A	P
			48	Refael, G	A	A	P
			49	Simmons-Duffin, D	A	A	P
			50	Ravi, V	A	A	P
			51	Zurek, K	A	A	P
			52	Faraon, A	A	A	P
53	Alicea, J	A	A	P			
54	Chan, G	A	A	P			
55	Teukolsky, S	A	A	P			
Ph 198	3-0-6	Special Topics in Physics: Nuclear Physics	01	Filippone, B	TR 10:30 - 11:55	A	P
Ph 201	3-0-6	Candidacy Physics Fitness	01	Endres, M	F 14:30 - 16:25	A	P
Ph 205C	3-0-6	Relativistic Quantum Field Theory	01	Kapustin, A	MW 10:30 - 11:55	A	P
Ph/APh 223B	3-0-6	Advanced Condensed-Matter Physics	01	Kitaev, A	MW 09:00 - 10:25	A	

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<b>PHYSICS</b>							
Ph 230B	3-0-6	Elementary Particle Theory	01	Oguri, H	MW 09:00 - 10:25	A	
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Marcolli, M	A	A	P
			28	Martin, C	A	A	P
			29	Mawet, D	A	A	P
			30	Motrunich, O	A	A	P

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<b>PHYSICS</b>							
Ph 300	+	Thesis Research	31	Nad Perge, S	A	A	P
			32	Newman, H	A	A	P
			33	Oguri, H	A	A	P
			34	Painter, O	A	A	P
			35	Patterson, R	A	A	P
			36	Phillips, R	A	A	P
			37	Phinney, E	A	A	P
			38	Politzer, H	A	A	P
			39	Porter, F	A	A	P
			40	Preskill, J	A	A	P
			41	Prince, T	A	A	P
			42	Refael, G	A	A	P
			43	Rosenbaum, T	A	A	P
			44	Roukes, M	A	A	P
			45	Scherer, A	A	A	P
			46	Schwab, K	A	A	P
			47	Schwarz, J	A	A	P
			48	Scoville, N	A	A	P
			49	Simmons-Duffin, D	A	A	P
			50	Spiropulu, M	A	A	P
			51	Stone, E	A	A	P
			52	Teukolsky, S	A	A	P
			53	Troian, S	A	A	P
			54	Weinstein, A	A	A	P
			55	Wise, M	A	A	P
			56	Yeh, N	A	A	P
			57	Yue, Y	A	A	P
			58	Zmuidzinas, J	A	A	P
			59	Ravi, V	A	A	P
<b>POLITICAL SCIENCE</b>							
PS 012	3-0-6	Introduction to Political Science <i>maximum enrollment: 54 students</i>	01	Kiewiet, D	MWF 13:00 - 13:55	A	

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<b>POLITICAL SCIENCE</b>							
BEM/Ec/PS 080	1-0-0	Frontiers in Social Sciences	01	Cvitanic, J	M 12:00 - 12:55	A	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	Staff	A	A	
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Alvarez, R	A	A	
PS 120	3-0-6	American Electoral Behavior and Party Strategy <i>Designated as Writing Intensive Course</i>	01	Alvarez, R	MW 10:30 - 11:55	A	G
PS 139	3-0-6	Comparative Politics	01	Lopez-Moctezuma Jassan, G	MW 09:00 - 10:25	A	G
PS 141B	3-0-6	A History of Budgetary Politics in the United States <i>designated as Writing Intensive course // maximum enrollment: 75 students</i>	01	Kiewiet, D	TR 14:30 - 15:55	A	
Ec/PS 160C	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Completion of Ec/PS 160AB required.//Maximum enrollment: 10 students</i>	01	Plott, C	TR 09:00 - 10:25	A	G
PS/Ec 172	3-0-6	Game Theory	01	Tamuz, O	TR 13:00 - 14:25	A	
<b>PSYCHOLOGY</b>							
Psy013	3-0-6	Introduction to Cognitive Neuroscience <i>maximum enrollment: 100 students</i>	01	Mobbs, D	TR 10:30 - 11:55	A	

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<b>PSYCHOLOGY</b>							
CNS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society	01	O'Doherty, J	MW 14:30 - 15:55	A	
Bi/CNS/NB/Psy 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	R 10:00 - 10:55 MWF 10:00 - 10:55	A A	G
			02	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 13:00 - 13:55	A A	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 16:00 - 16:55	A A	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	A A	G
CNS/Bi/Psy 176	4-0-5	Cognition <i>class cancelled</i>	01	Staff	A	A	
Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition	01	Mobbs, D	W 10:00 - 12:55	A	G
Psy283C	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	Mobbs, D	T 14:30 - 15:55	A	P
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L	M 19:00 - 19:55	A	P
<b>SCIENTIFIC AND ENGINEERING COMMUNICATION</b>							
SEC010	3-0-0	Technical Seminar Presentations <i>Open to E&amp;AS Seniors only // Maximum enrollment: 18 students per section // to be added to the waitlist after class fills, go to <a href="http://registrar.caltech.edu/SEC10WaitlistForm">http://registrar.caltech.edu/SEC10WaitlistForm</a></i>	01	Javier, R	MWF 09:00 - 09:55	A	G
			02	Javier, R	MWF 10:00 - 10:55	A	G
			03	Javier, R	MWF 11:00 - 11:55	A	G
SEC011	1-0-2	Written Academic Communication in Engineering and Applied Science <i>Open to E&amp;AS seniors only // Maximum</i>	01	Staff	A	A	G
			02	Meyer, V	W 09:00 - 09:55	A	G

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<b>SCIENTIFIC AND ENGINEERING COMMUNICATION</b>							
SEC012	1-0-2	Written Professional Communication in Engineering and Applied Science <i>Open to E&amp;AS seniors only // Maximum enrollment: 20 students // to be added to the waitlist after class fills, go to <a href="http://registrar.caltech.edu/SEC11-12-13WaitlistForm">http://registrar.caltech.edu/SEC11-12-13WaitlistForm</a></i>	01	Voong, L	T 11:00 - 11:55	A	G
SEC013	1-0-2	Written Communication about Engineering and Applied Sciences to Non-Experts <i>Open to E&amp;AS seniors only // Maximum enrollment: 20 students // to be added to the waitlist after class fills, go to <a href="http://registrar.caltech.edu/SEC11-12-13WaitlistForm">http://registrar.caltech.edu/SEC11-12-13WaitlistForm</a></i>	01	Burkett, E	W 16:00 - 16:55	A	
E/SEC 102	3-0-6	Scientific and Technology Entrepreneurship <i>maximum enrollment: 40 students // juniors and above only</i>	01	Wilson, N	F 13:00 - 15:55	A	G
<b>SOCIAL SCIENCE</b>							
SS 201C	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i>	01	Pomatto, L	TR 10:30 - 11:55	A	G
SS 202C	3-0-6	Political Theory <i>Open to Social Science graduate students only.</i>	01	Lopez-Moctezuma Jassan, G	TR 13:00 - 14:25	A	G
SS 205C	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Palfrey, T	MW 10:30 - 11:55	A	G
SS 210C	3-0-6	Foundations of Political Economy	01	Hirsch, A	TR 14:30 - 15:55	A	G
SS 211C	3-0-6	Advanced Economic Theory	01	Saito, K	MW 17:00 - 18:25	A	G
SS 212C	3-0-6	Experimental Economics	01	Agranov, M	MW 09:00 - 10:25	A	G



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<b>SOCIAL SCIENCE</b>							
SS 222C	3-0-6	Econometrics	01	Sherman, R	MW 13:00 - 14:25	A	G
SS 223C	3-0-6	Topics in Theoretical and Applied Econometrics <i>Open to graduate students only</i>	01	Xin, Y	R 13:00 - 15:55	A	G
SS 228C	3-0-6	Applied Empirical Methods in the Social Sciences	01	Lopez-Moctezuma Jassan, G	MW 13:00 - 14:25	A	G
SS 229B	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Rosenthal, J	MWF 10:00 - 10:55	A	G
SS 260	3-3-3	Experimental Methods of Political Economy	01	Plott, C	TR 09:00 - 10:25	A	G
SS 282C	1.5-0-1.5	Graduate Proseminar in Social Science	01	Lopez-Moctezuma Jassan, G	M 14:30 - 15:55	A	P
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L	M 19:00 - 19:55	A	P
SS 300	+	Research in Social Science	01	Cvitanic, J	A	A	P
			02	Snowberg, E	A	A	P
			03	Echenique, F	A	A	P
			04	Hoffman, P	A	A	P
			05	Jin, J	A	A	P
			06	Katz, J	A	A	P
			07	Hoffman, P	A	A	P
			08	Tamuz, O	A	A	P
			09	Camerer, C	A	A	P
			10	Lester, H	A	A	P
			11	Palfrey, T	A	A	P
			12	Kiewiet, D	A	A	P
			13	Wilkie, S	A	A	P
			14	Alvarez, R	A	A	P
			15	Plott, C	A	A	P
			16	Hirsch, A	A	A	P
			17	Agranov, M	A	A	P

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<b>SOCIAL SCIENCE</b>							
SS 300	+	Research in Social Science	18	Rosenthal, J	A	A	P
			19	Shum, M	A	A	P
			20	Rangel, A	A	A	P
			21	Yariv, L	A	A	P
			22	Gillen, B	A	A	P
			23	O'Doherty, J	A	A	P
			24	Perona, P	A	A	P
			25	Adolphs, R	A	A	P
			26	Shimojo, S	A	A	P
			27	Jin, J	A	A	P
			28	Mobbs, D	A	A	P
<b>STUDENT ACTIVITIES</b>							
SA 016C	0-3-0	Cooking Basics	01	Mannion, T	R 18:30 - 21:25	A	P
SA 042	0-2-2	Computer Science Education in K-14 Settings Practicum	01	Ralph, C / Wierman, A	OM,M 17:00 - 17:55	A	P
SA 080C	1-1-1	Health Advocates <i>maximum enrollment: 24 students per section</i>	01	Stapf, M	W 19:00 - 21:55	A	P
			02	Stapf, M	R 19:00 - 21:55	A	P
SA 081A	1-1-1	Peer Advocates <i>open only to Peer Advocates // maximum enrollment: 40 students</i>	01	Coleman, L	R 16:00 - 17:55	A	P
<b>STUDY ABROAD</b>							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
<b>VISUAL CULTURE</b>							
VC 070	3-0-6	Traditions of Japanese Art <i>maximum enrollment: 15 students</i>	01	Wolfgram, J	MWF 11:00 - 11:55	A	

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**Course Schedule SP 2020-21**

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>VISUAL CULTURE</b>							
VC 175	3-0-6	The Art of Science <i>maximum enrollment: 15 students</i>	01	Jacobson, B	TR 10:30 - 11:55	A	
<b>WRITING</b>							
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P
En/Wr 084	3-0-6	Communicating Science to Non-Experts <i>maximum enrollment: 15 students // graduate students can only enroll with instructor's permission</i>	01	Hall, S	TR 13:00 - 14:25	A	
ESL/Wr 107	3-0-3	Graduate Writing Seminar <i>maximum enrollment: 15 students</i>	01	Daley, C	MW 16:00 - 17:25	A	P