

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

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

**TIMES/LOCATION/UNITS**

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

**GRADING SCHEME**

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

**DAYS OF THE WEEK**

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

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<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	Dabiri, J	A	A	P
			08	Daraio, C	A	A	P
			09	Shepherd, J	A	A	P
			10	Gharib, M	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Dimotakis, P	MWF 10:00 - 10:55	101 GUG	
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	101 GUG	G
Ae/APh 104C	0-6-3	Experimental Methods	01	McKeon, B	TR 10:30 - 11:55	Cann Lab GUG	G
Ae 105C	3-0-6	Aerospace Engineering	01	Davis, G / Kim, Y	TR 16:00 - 17:25	306 FIR	G
APh/Ph/Ae 116	3-0-9	Physics of Thermal and Mass Transport in Hydrodynamic Systems	01	Troian, S	TR 13:00 - 14:25	104 WAT	
Ae 121C	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	202 GUG	G
Ae 150C	1-0-0	Aerospace Engineering Seminar	01	McKeon, B	M 13:00 - 13:55	101 GUG	P
Ae 159	3-0-6	Space Optical System Engineering	01	Breckinridge, J	MW 14:00 - 15:25	202 GUG	
Ae/CE 165B	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	T 13:00 - 14:25	306 FIR	
					W 15:00 - 15:55	306 FIR	

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**Course Schedule SP 2013-14**

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>AEROSPACE</b>							
Ae 200	+	Advanced Research in Aerospace	01	Bellan, P	A	A	P
			02	Schneider, T	A	A	P
			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	Colonius, 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	Dabiri, J	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
Ae 205B	2-4-3	Advanced Space Project	01	Pellegrino, S	M 15:30 - 16:55 R 16:00 - 17:25	200 GUG 306 FIR	
Ae 208C	1-0-0	GALCIT Colloquium	01	Kochmann, D / Dabiri, J	F 15:00 - 15:55	101 GUG	P

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<b>AEROSPACE</b>							
Ae 235	3-0-6	Rarefied Gasdynamics	01	Pullin, D	TR 09:00 - 10:25	306 FIR	
Ae 240	+	Special Topics in Fluid Mechanics	01	McKeon, B	A	A	
		<i>Section 1: Educational Exchange (Pass-Fail only) // Section 2 taught concurrently with CDS 270</i>	02	Lavretsky, E	F 10:00 - 11:55	107 ANB	
Ae 241	3-3-3	Special Topics in Experimental Fluid and Solid Mechanics: Bioinspired Engineering	01	Gharib, M	TR 10:30 - 11:55	202 GUG	
<b>ANTHROPOLOGY</b>							
An 022	3-0-6	Introduction to Sociocultural Anthropology <i>Maximum Enrollment: 33 students</i>	01	Ensminger, J	MW 14:30 - 15:55	25 BAX	G
An 097	+	Undergraduate Research	01	Staff	A	A	P
An/PS 127	3-0-6	Corruption <i>Maximum Enrollment: 17 students</i>	01	Ensminger, J	TR 14:30 - 15:55	127 BAX	G
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM011	2-2-2	Introduction to Matlab and Mathematica	01	Hou, Y	OM,M 17:30 - 18:25	105 ANB	
ACM095C	4-0-8	Introductory Methods of Applied Mathematics	01	Rizza, G	MWF 11:00 - 11:55 T 10:00 - 10:55	22 GTS 11 DWN	
			02	Rizza, G	MWF 11:00 - 11:55	22 GTS	
			03	Rizza, G	MWF 11:00 - 11:55 T 13:30 - 14:25	22 GTS House STL	
			04	Rizza, G	MWF 11:00 - 11:55 W 19:00 - 19:55	22 GTS 142 KCK	
			05	Rizza, G	MWF 11:00 - 11:55 W 15:00 - 15:55	22 GTS 121 ANB	
			06	Rizza, G	MWF 11:00 - 11:55 T 15:00 - 15:55	22 GTS 119 DWN	

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<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM095C	4-0-8	Introductory Methods of Applied Mathematics	07	Rizza, G	MWF 11:00 - 11:55 W 16:00 - 16:55	22 GTS 107 DWN	
			08	Rizza, G	MWF 11:00 - 11:55 R 16:00 - 16:55	22 GTS 119 DWN	
			09	Rizza, G	MWF 11:00 - 11:55 R 10:00 - 10:55	22 GTS 107 ANB	
			10	Rizza, G	MWF 11:00 - 11:55 R 11:00 - 11:55	22 GTS 070 MRE	
			11	Rizza, G	MWF 11:00 - 11:55	22 GTS	
ACM100C	4-0-8	Introductory Methods of Applied Mathematics	01	Rizza, G	MWF 11:00 - 11:55 T 10:00 - 10:55	22 GTS 11 DWN	
			02	Rizza, G	MWF 11:00 - 11:55	22 GTS	
			03	Rizza, G	MWF 11:00 - 11:55 T 13:30 - 14:25	22 GTS House STL	
			04	Rizza, G	MWF 11:00 - 11:55 W 19:00 - 19:55	22 GTS 142 KCK	
			05	Rizza, G	MWF 11:00 - 11:55 W 15:00 - 15:55	22 GTS 121 ANB	
			06	Rizza, G	MWF 11:00 - 11:55 T 15:00 - 15:55	22 GTS 119 DWN	
			07	Rizza, G	MWF 11:00 - 11:55 W 16:00 - 16:55	22 GTS 107 DWN	
			08	Rizza, G	MWF 11:00 - 11:55 R 16:00 - 16:55	22 GTS 119 DWN	
			09	Rizza, G	MWF 11:00 - 11:55 R 10:00 - 10:55	22 GTS 107 ANB	
			10	Rizza, G	MWF 11:00 - 11:55 R 11:00 - 11:55	22 GTS 070 MRE	
			11	Rizza, G	MWF 11:00 - 11:55	22 GTS	
ACM101C	3-0-6	Methods of Applied Mathematics I	01	Bruno, O	TR 14:30 - 15:55	213 ANB	

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<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM106C	3-0-6	Introductory Methods of Computational Mathematics	01	Li, Q	MW 13:00 - 14:25	105 ANB	
ACM/CS 114B	3-0-6	Parallel Algorithms for Scientific Applications <i>Class cancelled</i>	01	Staff	A	A	
Ma/ACM 144C	3-0-6	Probability	01	Chipeniuk, K	TR 14:30 - 15:55	159 SLN	
ACM210B	3-0-6	Numerical Methods for PDEs	01	Hou, Y	MW 14:30 - 15:55	314 ANB	
ACM217	3-0-6	Advanced Topics in Stochastic Analysis <i>taught concurrently with CDS150 &amp; AM 125C</i>	01	Beck, J	TR 09:00 - 10:25	105 ANB	
ACM/CS/EE 218	3-0-6	Statistical Inference	01	Chandrasekaran, V	MWF 10:30 - 11:55	080 MRE	
ACM270	3-0-6	Advanced Topics in Applied and Computational Math	01	Ames, B	MW 09:00 - 10:25	107 ANB	
ACM290C	1-0-0	Applied and Computational Mathematics Colloquium <i>Open to graduate students only</i>	01	Tropp, J	M 16:00 - 17:25	105 ANB	P
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P
			03	Desbrun, M	A	A	P
			04	Hou, Y	A	A	P
			05	Tropp, J	A	A	P
			06	Meiron, D	A	A	P
			08	Owhadi, H	A	A	P
			09	Hassibi, B	A	A	P
			10	Schroeder, P	A	A	P
			12	Ho, T	A	A	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	Ortiz, M	TR 09:00 - 10:25	101 GUG	G
AM 125C	3-0-6	Engineering Mathematical Principles <i>taught concurrently with CDS150 &amp; ACM217</i>	01	Beck, J	TR 09:00 - 10:25	105 ANB	G
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Andrade, J	A	A	P
AM 250	+	Research in Applied Mechanics	01	Beck, J	A	A	P
			02	Bhattacharya, K	A	A	P
			04	Andrade, J	A	A	P
			05	Avouac, J	A	A	P
			08	Murray, R	A	A	P
			09	Ortiz, M	A	A	P
			10	Phillips, R	A	A	P
			11	Ravichandran, G	A	A	P
<b>APPLIED PHYSICS</b>							
APh024	0-4-2	Introductory Modern Optics Laboratory	01	Faraon, A	F 14:00 - 15:55	070 MRE	G
APh077C	0-9-0	Laboratory in Applied Physics	01	Bellan, P	OM,T 16:00 - 16:55	265 WAT	G
APh078C	0-9-0	Senior Thesis, Experimental	01	Atwater, H	A	A	G
			02	Painter, O	A	A	G
			03	Yung, Y	A	A	G
			04	Scherer, A	A	A	G
			05	Vahala, K	A	A	G
			06	Bellan, P	A	A	G
			07	Troian, S	A	A	G
			08	Phillips, R	A	A	G
APh079C	0-9-0	Senior Thesis, Theoretical	01	Phillips, R	OM,A	A	G
			02	Troian, S	A	A	G

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<b>APPLIED PHYSICS</b>							
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
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Dimotakis, P	MWF 10:00 - 10:55	101 GUG	
Ae/APh 104C	0-6-3	Experimental Methods	01	McKeon, B	TR 10:30 - 11:55	Cann Lab GUG	G
APh/MS 105C	3-0-6	States of Matter <i>offered concurrently with MS 106</i>	01	Fultz, B	TR 10:30 - 11:55	104 WAT	
APh109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Ghaffari, A / Troian, S	OM,M 17:00 - 17:55	104 WAT	
APh114C	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	104 WAT	
APh/Ph/Ae 116	3-0-9	Physics of Thermal and Mass Transport in Hydrodynamic Systems	01	Troian, S	TR 13:00 - 14:25	104 WAT	
Ph/APh/EE/BE 118C	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	P
MS/APh 122	0-3-0	Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i>	01	Fultz, B / Garland, C	A	A	
APh/EE 132	3-0-6	Special Topics in Photonics and Optoelectronics	01	Vahala, K	MW 14:30 - 15:55	104 WAT	
APh150	3-0-6	Topics in Applied Physics:Introduction to Nanophotonics	01	Atwater, H	TR 16:00 - 17:25	104 WAT	



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<b>APPLIED PHYSICS</b>							
APh156C	3-0-6	Plasma Physics	01	Bellan, P	TR 10:30 - 11:55	142 KCK	G
APh/EE 183	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Atwater, H	OM,M 12:00 - 12:55	104 WAT	
APh200	+	Applied Physics Research	01	Desbrun, M	A	A	P
			02	Bellan, P	A	A	P
			03	Atwater, H	A	A	P
			04	Troian, 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
			19	Motrunich, O	A	A	P
			20	Hsieh, D	A	A	P
			21	Preskill, J	A	A	P
			22	Painter, O	A	A	P
			24	Roukes, M	A	A	P
			25	Alicea, J	A	A	P
			39	Scherer, A	A	A	P
			40	Phillips, R	A	A	P
APh300	+	Thesis Research in Applied Physics	01	Yariv, A	A	A	P
			02	Troian, S	A	A	P

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<b>APPLIED PHYSICS</b>							
Aph300	+	Thesis Research in Applied Physics	03	Vahala, K	A	A	P
			04	Schwab, K	A	A	P
			05	Snyder, G	A	A	P
			06	Flagan, R	A	A	P
			07	Faraon, A	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
			16	Vahala, K	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>ART HISTORY</b>							
Art055	3-0-6	Art of the 19th Century <i>maximum enrollment: 26 students</i>	01	Bennett, S	MW 19:00 - 20:25	228 BAX	
Art/H 154	3-0-6	Collaborations between Art and Technology <i>maximum enrollment: 15 students</i>	01	Robbins, C	TR 14:30 - 15:55	19 BAX	
<b>ASTROPHYSICS</b>							
Ay 001	3-3-3	The Evolving Universe	01	Djorgovski, S	MWF 14:00 - 14:55	Hameetman Aud CHL	G
Ge/Ay 011C	3-0-6	Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i>	01	Brown, M	TR 10:30 - 11:55	162 SMD	
Ay 021	3-0-6	Galaxies and Cosmology <i>First class will meet Tuesday, April 1st.</i>	01	Scoville, N	MTF 09:00 - 09:55	219 CHL	

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<b>ASTROPHYSICS</b>							
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	Hillenbrand, L	OM,M 09:00 - 09:55	219 CHL	
Ay 043	+	Reading in Astronomy and Astrophysics	01	Hillenbrand, L	A	A	P
Ay 078C	+	Senior Thesis	01	Ellis, R	A	A	P
			02	Hillenbrand, L	A	A	P
			03	Readhead, A	A	A	P
			04	Steidel, C	A	A	P
			05	Cohen, J	A	A	P
			07	Ott, C	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P
			10	Readhead, A	A	A	P
			11	Harrison, F	A	A	P
			12	Hallinan, G	A	A	P
			13	Phinney, E	A	A	P
Ay 102	3-0-6	Physics of the Interstellar Medium	01	Ott, C	OM,M 09:00 - 09:55	219 CHL	
Ay 105	0-6-4	Optical Astronomy Instrumentation Lab	01	Hallinan, G / Martin, C	OM,M 09:00 - 09:55	219 CHL	
Ge/Ay 117	3-0-6	Statistics and Data Analysis	01	Knutson, H	MWF 13:00 - 13:55	162 SMD	
Ay 125	3-0-6	High-Energy Astrophysics	01	Phinney, E	OM,M 09:00 - 09:55	219 CHL	
Ay 127	3-0-6	Cosmology and Galaxy Formation	01	Hopkins, P	OM,M 09:00 - 09:55	219 CHL	

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<b>ASTROPHYSICS</b>							
Ay 141C	1-0-2	Research Conference in Astronomy	01	Ellis, R / Kulkarni, S	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Ott, C	A	A	P
			02	Blake, G	A	A	P
			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	Ellis, R	A	A	P
			08	Goldreich, P	A	A	P
			09	Hillenbrand, L	A	A	P
			10	Johnson, J	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
			17	Hirata, C	A	A	P
			18	Readhead, A	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
Ay 143	+	Reading and Independent Study	01	Steidel, C	A	A	P
			02	Ott, C	A	A	P
			03	Kulkarni, S	A	A	P
			04	Hopkins, P	A	A	P

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<b>ASTROPHYSICS</b>							
Ay 211	3-0-6	Contemporary Extragalactic Astronomy	01	Ellis, R / Kulkarni, S	OM,M 09:00 - 09:55	219 CHL	
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB/Bi/Ch 170C	3-1-5	Biochemistry and Biophysics of Macromolecules and Molecular Assemblies	01	Shan, S / Hoelz, A	TR 10:30 - 11:55	151 CRL	G
BMB/Ch 202C	1-0-0	Biochemistry Seminar Course <i>Students will meet with the BMB seminar speaker in a discussion section for an hour and then attend the seminar at 4pm. BMB seminars are offered once a month on any given Thursday.</i>	01	Clemons, W	R 12:00 - 12:55	370 BRN	P
Bi/BMB 251C	1-0-0	Current Research in Cellular and Molecular Biology	01	Hay, B	W 12:00 - 13:25	24 BBB	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	Davidson, E	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	19	Shan, S	A	A	P
			20	Jensen, G	A	A	P
			21	Elowitz, M	A	A	P
			22	Patterson, P	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

**BIOENGINEERING**

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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>	01	Arnold, F	A	A	P			
			02	Davidson, E	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	Heath, J	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			
			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			
			22	Guo, C	A	A	P			
			23	Elowitz, M	A	A	P			
			24	Murray, R	A	A	P			
			26	Leadbetter, J	A	A	P			
			27	Winfrey, E	A	A	P			
			28	Guttman, M	A	A	P			
			30	Kornfield, J	A	A	P			
			31	Baltimore, D	A	A	P			
			32	Dabiri, J	A	A	P			
			33	Hay, B	A	A	P			
			34	Beauchamp, J	A	A	P			
			35	Bjorkman, P	A	A	P			
			Ph/APh/EE/BE 118C	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	P

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<b>BIOENGINEERING</b>							
BE 150	3-0-6	Systems Biology	01	Murray, R / Elowitz, M	MWF 11:00 - 11:55	200 BRD	
BE 159	3-0-6	Signal Transduction and Biomechanics in Eukaryotic Cell Morphogenesis	01	Bois, J	TR 14:30 - 15:55	200 BRD	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices	01	Yang, C	MW 13:00 - 14:25	108 KCK	
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation	01	Winfree, E	R 19:30 - 21:55	106 ANB	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Phillips, R	A	A	P
			03	Burdick, J	A	A	P
			04	Dabiri, J	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
			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	Fraser, S	A	A	P
			22	Guo, C	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P



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<b>BIOENGINEERING</b>							
BE 200	+	Research in Bioengineering	25	Goddard, W	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfrey, 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
<b>BIOLOGY</b>							
Bi 001	4-0-5	Principles of Biology <i>Maximum enrollment: 12 students per section // Section #1 is a Special Section for students with little or no Biology background.</i>	01	Newman, D / Kern, S	TR 13:00 - 14:25 R 19:00 - 19:55	119 KRK 3 BBB	G
			02	Newman, D / Kern, S	TR 13:00 - 14:25 R 19:00 - 19:55	119 KRK 27 GTS	G
			03	Newman, D / Kern, S	TR 13:00 - 14:25 R 19:00 - 19:55	119 KRK 135 L+R	G
			04	Newman, D / Kern, S	TR 13:00 - 14:25 F 11:00 - 11:55	119 KRK 3 BBB	G
			05	Newman, D / Kern, S	TR 13:00 - 14:25 F 11:00 - 11:55	119 KRK 27 GTS	G
			06	Newman, D / Kern, S	TR 13:00 - 14:25 F 13:00 - 13:55	119 KRK 3 BBB	G
			07	Newman, D / Kern, S	TR 13:00 - 14:25 F 13:00 - 13:55	119 KRK 27 GTS	G
			08	Newman, D / Kern, S	TR 13:00 - 14:25 F 13:00 - 13:55	119 KRK 215 NMD	G
			09	Newman, D / Kern, S	TR 13:00 - 14:25 F 15:00 - 15:55	119 KRK 3 BBB	G
Bi 001X	0-6-3	The Great Ideas of Biology: An Introduction through Experimentation <i>Maximum enrollment: 24 students // Make-up classes will be on Thursdays from 7-10pm</i>	01	Phillips, R / Bois, J	M 19:00 - 21:55 T 09:00 - 11:55	17 & 18 BRN 17 & 18 BRN	G

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<b>BIOLOGY</b>							
Bi 009	3-0-6	Cell Biology	01	Aravin, A / Deshaies, R	TR 09:00 - 10:25 F 09:00 - 09:55	100 - Rock Auditorium BRD 100 - Rock Auditorium BRD	
Bi 010	1-3-2	Cell Biology Laboratory <i>Maximum enrollment: 16 students per section</i>	01	Deshaies, R / Bertani, L	M 15:00 - 15:55 T 14:00 - 16:55	119 KRK 317 KRK	
			02	Deshaies, R / Bertani, L	M 15:00 - 15:55 W 14:00 - 16:55	119 KRK 317 KRK	
			03	Deshaies, R / Bertani, L	M 15:00 - 15:55 R 14:00 - 16:55	119 KRK 317 KRK	
Bi 022	+	Undergraduate Research	01	Shan, S	A	A	P
			02	Bronner Hansen, M	A	A	P
			03	Davidson, E	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
			15	Patterson, P	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

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<b>BIOLOGY</b>							
Bi 022	+	Undergraduate Research	25	Allman, J	A	A	P
			28	Meyerowitz, E	A	A	P
			31	Rees, D	A	A	P
			32	Aravin, A	A	A	P
			33	Bjorkman, P	A	A	P
			36	Baltimore, D	A	A	P
			39	Parker, C	A	A	P
			40	Winfree, E	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
55	Sternberg, P	A	A	P			
56	Phillips, R	A	A	P			
57	Clemons, W	A	A	P			
Bi 090C	+	Undergraduate Thesis	01	Patterson, P	A	A	P
			02	Winfree, E	A	A	P
			03	Sternberg, P	A	A	P
			04	Davidson, E	A	A	P
			05	Davis, M	A	A	P
			06	Bjorkman, P	A	A	P
			07	Aravin, A	A	A	P
			09	Newman, D	A	A	P
			10	Baltimore, D	A	A	P
			CNS/SS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society	01	Camerer, C
Bi/Ch 113	4-0-8	Biochemistry of the Cell	01	Chan, D / Hoelz, A	TR 11:00 - 11:55	100 - Rock Auditorium BRD 200 BRD	
					W 14:00 - 15:55		

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<b>BIOLOGY</b>							
Bi/Ch 113	4-0-8	Biochemistry of the Cell	02	Chan, D / Hoelz, A	TR 11:00 - 11:55 R 19:00 - 20:55	100 - Rock Auditorium BRD 101 KRK	
Bi 115	3-0-6	Attack and Repulsion: Viruses and their Hosts	01	Baltimore, D	TR 10:30 - 11:55	24 BBB	
Bi/CNS 158	3-0-6	Vertebrate Evolution	01	Allman, J	F 14:00 - 15:55	24 BBB	
BMB/Bi/Ch 170C	3-1-5	Biochemistry and Biophysics of Macromolecules and Molecular Assemblies	01	Shan, S / Hoelz, A	TR 10:30 - 11:55	151 CRL	G
Bi/CNS/NB 185	2-0-4	Large Scale Brain Networks	01	Tsao, D	M 10:00 - 11:55	100 - Rock Auditorium BRD	
Bi 189	2-0-4	The Cell Cycle	01	Dunphy, W	R 14:00 - 15:55	151 BRN	
Bi 190	2-0-4	Systems Genetics	01	Sternberg, P	MW 11:00 - 11:55	101 KRK	
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation	01	Winfree, E	R 19:30 - 21:55	106 ANB	
Bi 206	2-0-4	Biochemical and Genetic Methods in Biological Research	01	Varshavsky, A	T 13:00 - 14:55	100 - Rock Auditorium BRD	P
Ch/Bi 231	2-0-4	Advanced Topics in Biochemistry <i>Class times TBD - contact professor</i>	01	Campbell, J / Parker, C	A	A	
Ge/Bi 244	3-0-3	Paleobiology Seminar <i>OM will meet Monday, April 7th // Monday evening class sessions at instructor's home.</i>	01	Kirschvink, J	OM,M 09:30 - 09:55 M 19:30 - 20:55	267 ARM A	
Bi 250B	3-0-6	Topics in Systems Biology	01	Elowitz, M / Murray, R	MW 11:00 - 11:55 F 11:00 - 11:55	200 BRD 100 - Rock Auditorium BRD	
Bi/CNS/NB 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	101 KRK	

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<b>BIOLOGY</b>							
Bi/BMB 251C	1-0-0	Current Research in Cellular and Molecular Biology	01	Hay, B	W 12:00 - 13:25	24 BBB	P
Bi 252	2-0-2	Responsible Conduct of Research	01	Sternberg, P / Meyerowitz, E	M 14:00 - 15:55	100 - Rock Auditorium BRD	P
CNS/Bi/NB 256	2-0-4	Decision Making	01	Andersen, R	R 14:00 - 15:55	333 BBB	
Bi 299	+	Graduate Research	01	Stathopoulos, A	A	A	P
			02	Baltimore, D	A	A	P
			03	Allman, J	A	A	P
			04	Andersen, R	A	A	P
			05	Anderson, D	A	A	P
			06	Mazmanian, S	A	A	P
			07	Clemons, W	A	A	P
			08	Elowitz, M	A	A	P
			09	Dabiri, J	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Campbell, J	A	A	P
			13	Chan, D	A	A	P
			14	Davidson, E	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
			24	Pierce, N	A	A	P
			25	Burdick, J	A	A	P
			26	Tsao, D	A	A	P
			27	Orphan, V	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	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	Patterson, P	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
			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
			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

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	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
<b>BUSINESS ECONOMICS &amp; MANAGEMENT</b>							
BEM097	+	Undergraduate Research	01	Staff	A	A	P
BEM104	3-0-6	Investments	01	Gillen, B	TR 13:00 - 14:25	25 BAX	
BEM107	3-0-6	Applied Corporate Finance and Investment Banking <i>Maximum Enrollment: 35 Students</i>	01	Cornell, B	M 18:00 - 20:55	25 BAX	P
BEM111	3-0-6	Quantitative Risk Management	01	Winston, K	W 18:30 - 21:25	128 BAX	
BEM/PS 126	3-0-6	Business and Public Policy	01	Georgiadis, G	TR 14:30 - 15:55	25 BAX	
BEM/EC 146	3-0-6	Organization Design	01	Georgiadis, G	TR 10:30 - 11:55	125 BAX	
BEM/EC 150	3-0-6	Business Analytics	01	Camerer, C / Lin, A	TR 19:00 - 20:25	25 BAX	
BEM190	+	Undergraduate Research Project	01	Rosenthal, J	A	A	P
			02	Pickar, K	A	A	P
			03	Bossaerts, P	A	A	P
			04	Cvitanic, J	A	A	P
<b>CHEMICAL ENGINEERING</b>							
Ch/ChE 009	1-6-2	Chemical Synthesis and Characterization for Chemical Engineering <i>Open to ChE students only during online</i>	01	Mendez, J	OM,M 15:00 - 15:55	153 NYS	

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<b>CHEMICAL ENGINEERING</b>							
ChE063B	3-0-6	Chemical Engineering Thermodynamics	01	Ismagilov, R	TR 13:00 - 14:25	106 SPL	G
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
			06	Haile, S	A	A	P
			07	Shapiro, M	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			20	Kornfield, J	A	A	P
34	Seinfeld, J	A	A	P			
36	Tirrell, D	A	A	P			
ChE090B	0-4-5	Senior Thesis	01	Dickinson, M	A	A	G
			02	Giapis, K	A	A	G
			03	Seinfeld, J	A	A	G
			04	Tirrell, D	A	A	G
			05	Ravi, V	A	A	G
			06	Flagan, R	A	A	G
			07	Gavalas, G	A	A	G
			08	Davis, M	A	A	G
			09	Haile, S	A	A	G
			10	Arnold, F	A	A	G
			11	Brady, J	A	A	G
			12	Kornfield, J	A	A	G
			13	Greer, J	A	A	G
			14	Lewis, N	A	A	G
			15	Grubbs, R	A	A	G
			16	Mayo, S	A	A	G
			17	Fu, G	A	A	G
			18	Wang, Z	A	A	G



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<b>CHEMICAL ENGINEERING</b>							
ChE103C	3-0-6	Transport Phenomena	01	Kraynik, A	MWF 10:00 - 10:55	106 SPL	G
ChE105	3-0-6	Dynamics and Control of Chemical Systems	01	Seinfeld, J	MWF 14:00 - 14:55	106 SPL	G
ChE120	1-6-2	Optimal Design of Chemical Systems	01	Vicic, M	OM,M 15:00 - 15:55	122 SPL	
ChE130	1-5-3	Biomolecular Engineering Laboratory	01	Tirrell, D / Vicic, M	W 15:00 - 15:55	102 SPL	
					MF 13:00 - 15:55	16/17 BRN	
			02	Tirrell, D / Vicic, M	W 15:00 - 15:55	102 SPL	
					TR 13:00 - 15:55	16/17 BRN	
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

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<b>CHEMICAL ENGINEERING</b>							
ChE280	+	Chemical Engineering Research	23	Lewis, N	A	A	P
			24	Shapiro, M	A	A	P
			29	Parker, C	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>Maximum enrollment: 20 students per section</i>	01	Mendez, J	F 13:00 - 13:55 T 08:00 - 10:55	153 NYS 107 MEAD	P
			02	Mendez, J	F 13:00 - 13:55 T 13:00 - 15:55	153 NYS 107 MEAD	P
			03	Mendez, J	F 13:00 - 13:55	153 NYS	P
					W 19:30 - 22:25	107 MEAD	
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Limit 20 students per section</i>	01	Mendez, J	F 09:00 - 09:55 W 13:00 - 15:55	147 NYS 107 MEAD	P
			02	Mendez, J	F 09:00 - 09:55	147 NYS	P
					R 08:00 - 10:55	107 MEAD	
Ch 004B	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>OM to decide lecture time. // Each student must select 2 section times - Sec 1: T 8-11am / Sec 2: W 1-4pm / Sec 3: R 8-11am / Instructor will contact student via e-mail before the first day of classes to select two sections.</i>	01	Mendez, J	OM,M 14:00 - 14:55 A	151 CRL 105 MEAD	
Ch 006B	1-6-3	Physical and Biophysical Chemistry Laboratory	01	Beauchamp, J / Weitekamp, D	OM,W 15:00 - 15:55	33 NYS	
Ch/ChE 009	1-6-2	Chemical Synthesis and Characterization for Chemical Engineering <i>Open to ChE students only during online registration. // OM to decide lecture time. //</i>	01	Mendez, J	OM,M 15:00 - 15:55	153 NYS	

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<b>CHEMISTRY</b>							
Ch 010C	1-6-1	Frontiers in Chemistry <i>Must have instructor's permission prior to registering for course.</i>	01	Dervan, P / Hoelz, A	R 12:00 - 12:55	115 BCK	P
Ch 014	2-0-4	Chemical Equilibrium and Analysis	01	Richards, J / Shahgholi, M	TR 11:00 - 11:55	147 NYS	G
Ch 021C	3-0-6	Physical Chemistry	01	Miller, T	MWF 13:00 - 13:55	147 NYS	G
Ch 025	3-0-6	Introduction to Biophysical Chemistry: Thermodynamics	01	Rees, D	TR 13:00 - 14:25	147 NYS	G
Ch 041C	3-0-6	Organic Chemistry	01	Fu, G	MWF 09:00 - 09:55	153 NYS	
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	Marcus, R	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
			18	Shapiro, M	A	A	P
			19	Shapiro, M	A	A	P
			20	Kornfield, J	A	A	P
			27	Okumura, M	A	A	P

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<b>CHEMISTRY</b>							
Ch 080	+	Chemical Research	29	Peters, 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
Ch 081	+	Independent Reading in Chemistry	01	Bercaw, J	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
			17	Gray, H	A	A	P
Ch 082	+	Senior Thesis Research	01	Rees, D	A	A	P
Ch 102	3-0-6	Introduction to Inorganic Chemistry	01	Agapie, T	TR 13:00 - 14:25	153 NYS	
Bi/Ch 113	4-0-8	Biochemistry of the Cell	01	Chan, D / Hoelz, A	TR 11:00 - 11:55	100 - Rock Auditorium BRD 200 BRD	
			02		TR 11:00 - 11:55		
					R 19:00 - 20:55	100 - Rock Auditorium BRD 101 KRK	
Ch 120B	1-1-7	Nature of the Chemical Bond <i>Maximum 10 students with Ch 121A</i>	01	Goddard, W	W 15:00 - 15:55	115 BCK	
Ch 121A	3-0-6	Atomic-Level Simulations of Materials and Molecules	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch 126	3-0-6	Molecular Spectra and Molecular Structure	01	Okumura, M	TR 09:00 - 10:25	147 NYS	
Ge/Ch 128	3-0-6	Cosmochemistry	01	Blake, G	TWF 15:00 - 15:55	162 SMD	

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<b>CHEMISTRY</b>							
Ch 143	3-0-6	NMR Spectroscopy for Structural Identification	01	Virgil, S	MWF 11:00 - 11:55	151 CRL	
BMB/Bi/Ch 170C	3-1-5	Biochemistry and Biophysics of Macromolecules and Molecular Assemblies	01	Shan, S / Hoelz, A	TR 10:30 - 11:55	151 CRL	G
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	102 SPL	
Ch 180	+	Chemical Research	01	Gray, H	A	A	P
			02	Agapie, T	A	A	P
			16	Goddard, W	A	A	P
BMB/Ch 202C	1-0-0	Biochemistry Seminar Course <i>Students will meet with the BMB seminar speaker in a discussion section for an hour and then attend the seminar at 4pm. BMB seminars are offered once a month on any given Thursday.</i>	01	Clemons, W	R 12:00 - 12:55	370 BRN	P
Ch 212	3-0-6	Bioinorganic Chemistry	01	Agapie, T / Winkler, J	MW 10:30 - 11:55	115 BCK	
Ch 213C	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	G
Ch 224	2-0-7	Advanced Topics in Magnetic Resonance	01	Weitekamp, D	TR 10:30 - 11:25	153 NYS	
Ch 227A	3-0-6	Advanced Topics in Chemical Physics	01	Heath, J	TR 16:00 - 17:25	16 NYS	
Ch 228	3-0-6	Dynamics and Complexity in Physical and Life Sciences	01	Zewail, A	TR 16:00 - 17:25	113 NYS	G
Ch/Bi 231	2-0-4	Advanced Topics in Biochemistry <i>Class times TBD - contact professor</i>	01	Campbell, J / Parker, C	A	A	
Ch 280	+	Chemical Research	01	Arnold, F	A	A	P
			02	Agapie, T	A	A	P
			03	Barton, J	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	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
			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

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	37	Fu, G	A	A	P
			38	Weitekamp, D	A	A	P
			39	Zewail, A	A	A	P
			40	Fraser, S	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
			50	Hoffmann, M	A	A	P
			51	Smolke, C	A	A	P
			52	Tirrell, D	A	A	P
53	Deshaies, R	A	A	P			
<b>CIVIL ENGINEERING</b>							
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Dimotakis, P	MWF 10:00 - 10:55	101 GUG	
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	101 GUG	G
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Andrade, J	A	A	P
ME/CE 163	3-0-6	Mechanics and Rheology of Fluid-Infiltrated Porous Media	01	Andrade, J	TR 13:00 - 14:25	110 STL	
Ae/CE 165B	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	T 13:00 - 14:25 W 15:00 - 15:55	306 FIR 306 FIR	
CE 181B	3-0-6	Engineering Seismology	01	Heaton, T	MWF 10:00 - 10:55	119 DWN	

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<b>CIVIL ENGINEERING</b>							
CE 200	+	Advanced Work in Civil Engineering	01	Heaton, T	A	A	P
CE 300	+	Research in Civil Engineering	01	Beck, J	A	A	P
			02	Hall, J	A	A	P
			03	Heaton, T	A	A	P
			04	Andrade, J	A	A	P
			05	Lapusta, N	A	A	P
<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS/SS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society	01	Camerer, C	TR 13:00 - 14:25	127 BAX	
CNS/SS/Psy 110A	1.5-0-3.5	Cognitive Neuroscience Tools <i>Undergraduates need instructor's permission to enroll</i>	01	Rangel, A	F 12:00 - 13:55	33 BAX	P
EE/CNS/CS 148B	3-0-6	Selected Topics in Computational Vision	01	Perona, P	TR 13:00 - 14:25	080 MRE	
CS/CNS/EE 156B	3-0-6	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	269 LAU	
Bi/CNS 158	3-0-6	Vertebrate Evolution	01	Allman, J	F 14:00 - 15:55	24 BBB	
CS/CNS 174	3-6-3	Computer Graphics Projects	01	Barr, A	MWF 13:00 - 13:55	107 ANB	
CNS180	+	Research in Computation and Neural Systems	01	Fraser, S	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
			07	Tsao, D	A	A	P
			08	Lester, H	A	A	P
			09	Dickinson, M	A	A	P



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<b>COMPUTATION &amp; NEURAL SYS</b>										
CNS180	+	Research in Computation and Neural Systems	10	Elowitz, M	A	A	P			
			11	Rutishauser, U	A	A	P			
			12	Murray, R	A	A	P			
			13	Patterson, P	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	Winfree, 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	Bossaerts, P	A	A	P			
			28	Gradinaru, V	A	A	P			
			29	Prober, D	A	A	P			
			Bi/CNS/NB 185	2-0-4	Large Scale Brain Networks	01	Tsao, D	M 10:00 - 11:55	100 - Rock Auditorium BRD	
			BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation	01	Winfree, E	R 19:30 - 21:55	106 ANB	
			Bi/CNS/NB 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	101 KRK	
			CNS/Bi/NB 256	2-0-4	Decision Making	01	Andersen, R	R 14:00 - 15:55	333 BBB	
			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

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<b>COMPUTATION &amp; NEURAL SYS</b>										
CNS280	+	Research in Computation and Neural Systems	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			
			10	Konishi, M	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	Winfree, 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			
			<b>COMPUTER SCIENCE</b>							
			CS 003	2-4-3	Introduction to Software Engineering	01	Billock, J	WF 14:00 - 14:55	213 ANB	P
			Ma/CS 006C	3-0-6	Introduction to Discrete Mathematics	01	Marks, A	TR 13:00 - 14:25	153 SLN	
			CS 011	0-3-0	Computer Language Shop <i>CS 1 or instructor's permission is required.</i>	01	Pinkston, D / Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
CS 024	3-3-3	Introduction to Computing Systems	01	Pinkston, D	MWF 11:00 - 11:55	105 ANB				
CS 038	3-0-6	Introduction to Algorithms	01	Umans, C	TR 10:30 - 11:55	105 ANB				

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<b>COMPUTER SCIENCE</b>							
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:30 - 17:25	070 MRE	
CS 080C	+	Undergraduate Thesis	01	Schroeder, P	A	A	P
			02	Chandy, K	A	A	P
			03	Winfree, E	A	A	P
			04	Barr, A	A	A	P
			05	Ho, T	A	A	P
			06	Perona, P	A	A	P
CS 081C	+	Undergraduate Projects in Computer Science	01	Ho, T	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	Winfree, 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
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
			07	Desbrun, M	A	A	P
			08	Arnold, F	A	A	P
			10	Perona, P	A	A	P
			11	Schroeder, P	A	A	P

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<b>COMPUTER SCIENCE</b>							
CS 090	+	Undergraduate Reading in Computer Science	12	Wierman, A	A	A	P
ACM/CS 114B	3-0-6	Parallel Algorithms for Scientific Applications <i>Class cancelled</i>	01	Staff	A	A	
CS 115	3-4-2	Functional Programming	01	Vanier, M	MWF 15:00 - 15:55	105 ANB	G
EE/Ma/CS 127	3-0-6	Error-Correcting Codes	01	Andrews, K	MWF 15:00 - 15:55	142 KCK	
CS/EE 145	0-0-9	Projects in Networking	01	Low, S / Wierman, A	MWF 10:00 - 11:55	213 ANB	
EE/CNS/CS 148B	3-0-6	Selected Topics in Computational Vision	01	Perona, P	TR 13:00 - 14:25	080 MRE	
CS/CNS/EE 156B	3-0-6	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	269 LAU	
CS/CNS 174	3-6-3	Computer Graphics Projects	01	Barr, A	MWF 13:00 - 13:55	107 ANB	
CS 179	3-3-3	GPU Programming	01	Barr, A / Desbrun, M	OM,T 17:00 - 17:55	105 ANB	
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	Winfrey, E	A	A	P
			14	Umans, C	A	A	P
			15	Wold, B	A	A	P

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<b>COMPUTER SCIENCE</b>							
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation	01	Winfree, E	R 19:30 - 21:55	106 ANB	
ACM/CS/EE 218	3-0-6	Statistical Inference	01	Chandrasekaran, V	MWF 10:30 - 11:55	080 MRE	
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Barr, A	A	A	P
			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
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS090C	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Murray, R	A	A	G
CDS140B	3-0-6	Introduction to Dynamics <i>Updated class time</i>	01	Murray, R / MacMartin, D	MWF 13:00 - 13:55	314 ANB	
CDS150	3-0-6	Stochastic System Analysis and Bayesian Updating <i>taught concurrently with ACM217 &amp; AM 125C</i>	01	Beck, J	TR 09:00 - 10:25	105 ANB	
CDS190	+	Independent Work in Control and Dynamical Systems	01	Staff	A	A	P

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<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS212	3-0-6	Introduction to Modern Control	01	Doyle, J	TR 14:30 - 15:55	314 ANB	
CDS270	2-0-4	Advanced Topics in Systems and Control: Adaptive Control <i>taught concurrently with Ae 240, section 2</i>	01	Lavretsky, E	F 10:00 - 11:55	106 ANB	
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
			10	Dabiri, J	A	A	P
			11	Desbrun, M	A	A	P
			12	Ortiz, M	A	A	P
			13	Adolphs, R	A	A	P
<b>ECONOMICS</b>							
Ec 097	+	Undergraduate Research	01	Staff	A	A	P
Ec 098C	+	Senior Research and Thesis	01	Rangel, A	A	A	P
			02	Ledyard, J	A	A	P
			03	Camerer, C	A	A	P
BEM/Ec 146	3-0-6	Organization Design	01	Georgiadis, G	TR 10:30 - 11:55	125 BAX	
BEM/Ec 150	3-0-6	Business Analytics	01	Camerer, C / Lin, A	TR 19:00 - 20:25	25 BAX	
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	MW 10:30 - 11:55	127 BAX	G

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<b>ECONOMICS</b>							
Ec 190	+	Undergraduate Research	01	Ensminger, J	A	A	P
			02	Border, K	A	A	P
			03	Kiewiet, D	A	A	P
<b>ELECTRICAL ENGINEERING</b>							
EE 005	2-3-1	Introduction to Embedded Systems	01	George, G	MW 15:00 - 15:55	070 MRE	P
EE 040	3-0-6	Introduction to Semiconductors Devices	01	Tai, Y	MW 13:00 - 14:25	080 MRE	
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:30 - 17:25	070 MRE	
EE 080C	+	Senior Thesis	01	Potter, K	A	A	P
			02	Scherer, A	A	A	P
EE 090	1-8-0	Analog Electronics Project Laboratory	01	Megdal, B	OM,T 16:00 - 16:55	070 MRE	G
EE 099	+	Advanced Work in Electrical Engineering	01	George, G	A	A	P
			02	Perona, P	A	A	P
			03	Scherer, A	A	A	P
			04	Meyerowitz, E	A	A	P
			05	Megdal, B	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	Choo, H	A	A	P
EE 105C	1-0-0	Electrical Engineering Seminar	01	Hassibi, B	A	A	P

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<b>ELECTRICAL ENGINEERING</b>							
EE 113	4-4-4	Feedback and Control Circuits	01	George, G	TR 14:00 - 15:55	070 MRE	
EE/MedE 114B	4-0-8	Analog Circuit Design	01	Hajimiri, S	WF 10:00 - 11:55	070 MRE	
Ph/APh/EE/BE 118C	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	P
EE/Ma/CS 127	3-0-6	Error-Correcting Codes	01	Andrews, K	MWF 15:00 - 15:55	142 KCK	
APh/EE 132	3-0-6	Special Topics in Photonics and Optoelectronics	01	Vahala, K	MW 14:30 - 15:55	104 WAT	
CS/EE 145	0-0-9	Projects in Networking	01	Low, S / Wierman, A	MWF 10:00 - 11:55	213 ANB	
EE/CNS/CS 148B	3-0-6	Selected Topics in Computational Vision	01	Perona, P	TR 13:00 - 14:25	080 MRE	
EE 151	3-0-6	Electromagnetic Engineering	01	Yang, C	MWF 15:00 - 16:25	080 MRE	
EE 153	3-2-7	Microwave Circuits and Antennas	01	Antsos, D	T 15:00 - 16:55 R 15:00 - 15:55	106 ANB 106 ANB	
CS/CNS/EE 156B	3-0-6	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	269 LAU	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications <i>Field Trip Dates: May 23-25</i>	01	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
EE 163B	3-0-6	Communication Theory <i>class cancelled</i>	01	Srinivasan, M / Quirk, K	A	A	
EE 164	3-0-6	Stochastic and Adaptive Signal Processing	01	Hassibi, B	TR 10:30 - 11:55	080 MRE	
APh/EE 183	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Atwater, H	OM,M 12:00 - 12:55	104 WAT	



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<b>ELECTRICAL ENGINEERING</b>							
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices	01	Yang, C	MW 13:00 - 14:25	108 KCK	
ACM/CS/EE 218	3-0-6	Statistical Inference	01	Chandrasekaran, V	MWF 10:30 - 11:55	080 MRE	
EE 291	+	Advanced Work in Electrical Engineering	01	Atwater, H	A	A	P
			02	Ho, T	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	Rutledge, 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	Zmuidzinas, 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
<b>ENERGY SCIENCE AND TECHNOLOGY</b>							
EST002	3-2-4	Energy and Society	01	Rutledge, D	TR 14:30 - 15:55	104 WAT	G
<b>ENGINEERING</b>							
E 010	1-0-2	Technical Seminar Presentations <i>Maximum enrollment: 6 students per section</i>	01	Fender, A	OM,T 19:30 - 20:25 M 09:00 - 09:55	142 KCK	G
			02	Fender, A	OM,T 19:30 - 20:25 M 10:00 - 10:55	142 KCK	G
			03	Fender, A	OM,T 19:30 - 20:25 M 11:00 - 11:55	142 KCK	G
			04	Fender, A	OM,T 19:30 - 20:25 W 09:00 - 09:55	142 KCK	G
			05	Fender, A	OM,T 19:30 - 20:25 W 10:00 - 10:55	142 KCK	G
			06	Fender, A	OM,T 19:30 - 20:25 W 11:00 - 11:55	142 KCK	G
			07	Fender, A	OM,T 19:30 - 20:25 F 09:00 - 09:55	142 KCK	G

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<b>ENGINEERING</b>							
E 010	1-0-2	Technical Seminar Presentations <i>Maximum enrollment: 6 students per section</i>	08	Fender, A	OM,T 19:30 - 20:25	142 KCK	G
			09	Fender, A	F 10:00 - 10:55 OM,T 19:30 - 20:25 F 11:00 - 11:55	142 KCK 142 KCK 142 KCK	G
E 011	1-0-2	Written Technical Communication in Engineering and Applied Science <i>Open to E&amp;AS seniors only // Maximum enrollment: 20 students per section</i>	01	Pierce, G	T 10:30 - 11:25	308 FIR	
			02	Readhead, C / Smith, D	R 15:00 - 15:55	308 FIR	
			03	Dabiri, M	T 09:30 - 10:25	142 KCK	
E 102	3-0-6	Entrepreneurial Development	01	Pickar, K / Holloway, C / Zschau, E / Chess, R	MW 13:00 - 14:25	070 MRE	G
E/ME 105B	3-2-4	Product Design for the Developing World	01	Pickar, K	M 18:00 - 19:25	070 MRE	
					W 19:00 - 20:25	070 MRE	
E 120	2-0-4	Data Visualization Projects <i>Maximum enrollment: 20 students</i>	01	Mushkin, H / Lombeyda, S	M 19:00 - 20:55	120 PWL/BTH	
<b>ENGLISH</b>							
Hum/En 005	3-0-6	Major British Authors <i>Attendance at the first class is required. // Maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	117 DAB	G
Hum/En 006	3-0-6	American Literature and Culture <i>Attendance at the first class is required.//Maximum enrollment: 15 students</i>	01	Hunter, C	TR 14:30 - 15:55	115 DAB	G
Hum/En 007	3-0-6	Modern European Literature <i>Attendance at first class is required.//Maximum enrollment: 15 students</i>	01	Gilmartin, K	TR 09:00 - 10:25	TR DAB	
En/Wr 084	3-0-6	Writing About Science <i>maximum enrollment: 15 students</i>	01	Hall, S	TR 13:00 - 14:25	19 BAX	
En 085	3-0-6	Writing Poetry <i>Maximum Enrollment: 15 students</i>	01	Hall, J	TR 14:30 - 15:55	TR DAB	
En 089	3-0-6	Writing the News - Journalistic Writing <i>maximum enrollment: 12 students</i>	01	Kipling, R	M 19:00 - 21:55	128 BAX	

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<b>ENGLISH</b>							
En 098	+	Reading in English	01	Haugen, K	A	A	P
			02	Gilmartin, K	A	A	P
			03	Ming, F	A	A	P
En 099B	1-0-8	Senior Tutorial for English Majors	01	Gilmartin, K	A	A	G
			02	Jurca, C	A	A	G
			03	Weinstein, C	A	A	G
			04	Haugen, K	A	A	G
En 115	3-0-6	Shakespeare's Contemporaries <i>maximum enrollment: 15 students</i>	01	Pigman, G	TR 13:00 - 14:25	117 DAB	G
En 119	3-0-6	Displacement <i>maximum enrollment: 15 students</i>	01	Haugen, K	T 19:00 - 21:55	228 BAX	G
En 128	3-0-6	Modern and Contemporary Irish Literature <i>Open by lottery only - see REGIS home page for details // maximum enrollment: 20 students</i>	01	Gilmartin, K	T 19:00 - 21:55	TR DAB	
En 137	3-0-6	African American Literature <i>maximum enrollment: 15 students</i>	01	Spires, D	TR 13:00 - 14:25	TR DAB	G
En 182	3-0-6	Literature and the First Amendment <i>maximum enrollment: 15 students</i>	01	Hunter, C	TR 10:30 - 11:55	115 DAB	G
<b>ENGLISH AS A SECOND LANGUAGE</b>							
ESL107	0-0-0	Introductory Writing and Oral Presentation	01	Geasland, J	MW 17:00 - 18:55	127 BAX	P
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE001	3-0-6	Introduction to Environmental Science and Engineering	01	Leadbetter, J	MWF 14:00 - 14:55	162 SMD	G
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
			06	Leadbetter, J	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
			09	Seinfeld, J	A	A	P
			10	Wennberg, P	A	A	P
			12	Schneider, T	A	A	P
ESE105	+	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
ESE110C	1-0-0	Seminar in Environmental Science and Engineering	01	Adkins, J	W 16:00 - 16:55	365 SMD	P
ESE138	3-0-6	Ocean Turbulence and Wave Dynamics	01	Thompson, A	TR 10:30 - 11:55	135 L+R	
ESE/Ge 139	3-0-6	Atmospheric Radiation	01	Yung, Y	MWF 14:00 - 14:55	176 SMD	

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
Ge/ESE 146	3-0-6	Stable Isotope Biogeochemistry	01	Sessions, A	MWF 10:00 - 10:55	215 NMD	
Ge/ESE 155	3-0-6	Paleoceanography	01	Adkins, J	MWF 13:00 - 13:55	135 L+R	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications <i>Field Trip Dates: May 23-25</i>	01	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
Ge/ESE 170	3-2-4	Microbial Ecology	01	Orphan, V	MWF 11:00 - 11:55	267 ARM	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	102 SPL	
ESE176	3-0-6	Physical Organic Chemistry of Natural Waters	01	Hoffmann, M	MWF 10:00 - 10:55	135 L+R	
ESE300	+	Thesis Research	01	Adkins, J	A	A	P
			02	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Ingersoll, A	A	A	P
			06	Leadbetter, J	A	A	P
			09	Seinfeld, J	A	A	P
			10	Wennberg, P	A	A	P
			11	Yung, Y	A	A	P
			12	Schneider, T	A	A	P
			13	Bordoni, S	A	A	P
			14	Thompson, A	A	A	P
<b>FRESHMAN SEMINARS</b>							
FS/Ph 011C	2-0-4	Freshman Seminar: Research Tutorial	01	Tombrello, T	A	201 SLN	P
<b>GEOLOGY</b>							

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<b>GEOLOGY</b>							
Ge 001	3-3-3	Earth and Environment <i>Field Trip Dates: April 25-27, May 2-4</i>	01	Asimow, P	MWF 14:00 - 14:55	155 ARM	G
Ge/Ay 011C	3-0-6	Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i>	01	Brown, M	TR 10:30 - 11:55	162 SMD	
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	Rossmann, G	A	A	P
			06	Ingersoll, A	A	A	P
			07	Asimow, P	A	A	P
Ge 041C	+	Undergraduate Research and Bachelor's Thesis	01	Grotzinger, J	A	A	P
			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
			11	Asimow, P	A	A	P
Ge 103	3-0-6	Introduction to the Solar System <i>Taught concurrently with Ge/Ay 011C</i>	01	Brown, M	TR 10:30 - 11:55	162 SMD	
Ge 109	1-0-2	Oral Presentation	01	Bikle, K / Rossmann, G	R 17:15 - 18:55	151 ARM	P
Ge 111B	0-3-6	Applied Geophysics Seminar and Field Course <i>Field Trip Dates: TBA</i>	01	Clayton, R / Simons, M	R 10:30 - 11:55	162 SMD	G
Ge 115B	3-0-3	Petrology and Petrography: Metamorphic Petrology	01	Eiler, J	TR 09:00 - 10:25	215 NMD	
Ge 115C	0-4-2	Petrology and Petrography: Petrography Laboratory	01	Liu, Y	T 10:30 - 11:55 F 09:00 - 10:55	267 ARM 267 ARM	

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<b>GEOLOGY</b>							
Ge/Ay 117	3-0-6	Statistics and Data Analysis	01	Knutson, H	MWF 13:00 - 13:55	162 SMD	
Ge 120A	1-5-0	Introduction to Field Geology <i>Field Trip Dates: 4/26, 5/17-18</i>	01	Saleeby, J	F 14:00 - 15:55	215 NMD	
Ge 121C	0-9-3	Advanced Field Geology <i>class cancelled</i>	01	Stock, J	OM,M 09:30 - 09:55	251 ARM	G
Ge/Ch 128	3-0-6	Cosmochemistry	01	Blake, G	TWF 15:00 - 15:55	162 SMD	
Ge 131	3-0-6	Planetary Structure and Evolution	01	Stevenson, D	MWF 10:00 - 10:55	162 SMD	
Ge 136C	1-0-2	Regional Field Geology of the Southwestern United States <i>OM will meet Monday, April 7th // Field Trip Dates: May 22-26</i>	01	Kirschvink, J	OM,M 09:00 - 09:25	267 ARM	P
ESE/Ge 139	3-0-6	Atmospheric Radiation	01	Yung, Y	MWF 14:00 - 14:55	176 SMD	
Ge/ESE 146	3-0-6	Stable Isotope Biogeochemistry	01	Sessions, A	MWF 10:00 - 10:55	215 NMD	
Ge/ESE 155	3-0-6	Paleoceanography	01	Adkins, J	MWF 13:00 - 13:55	135 L+R	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications <i>Field Trip Dates: May 23-25</i>	01	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
Ge 163	3-0-6	Geodynamics	01	Gurnis, M	MWF 09:00 - 09:55	256 SMD	
Ge/ESE 170	3-2-4	Microbial Ecology	01	Orphan, V	MWF 11:00 - 11:55	267 ARM	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	102 SPL	





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<b>GEOLOGY</b>							
Ge 297	+	Advanced Study	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
			28	Stolper, E	A	A	P
			32	Wernicke, B	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			
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Aharonson, O	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
			13	Helmberger, D	A	A	P
			14	Schneider, T	A	A	P
			15	Grotzinger, J	A	A	P

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<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	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
			32	Yung, Y	A	A	P
			33	Wernicke, B	A	A	P
			34	Rossman, G	A	A	P
			35	Sessions, A	A	A	P
			36	Lapusta, N	A	A	P
			37	Jackson, J	A	A	P
38	Ingersoll, A	A	A	P			
<b>HISTORY</b>							
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Brewer, J	TR 09:00 - 10:25	115 DAB	G
Hum/H 003C	3-0-6	European Civilization: Modern Europe <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Kormos-Buchwald, D	TR 14:30 - 15:55	House EINSTEIN	
Hum/H 004B	3-0-6	The Development of Science from Babylon through the Renaissance <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Buchwald, J	W 19:00 - 21:55	TR DAB	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HISTORY</b>							
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	128 BAX	
H 098	+	Reading in History	03	Buchwald, J	A	A	P
			04	Kousser, J	A	A	P
H 099C	1-0-8	Research Tutorial	01	Hoffman, P	A	A	
			02	Brown, W	A	A	
			03	Dennison, T	A	A	
			04	Buchwald, J	A	A	
			05	Wey-Gomez, N	A	A	
H 108B	3-0-6	The High Middle Ages <i>maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	125 BAX	
Law/PS/H 148B	3-0-6	The Supreme Court in U.S. History <i>Maximum enrollment: 30 students</i>	01	Kousser, J	T 19:30 - 22:25	127 BAX	G
Art/H 154	3-0-6	Collaborations between Art and Technology <i>maximum enrollment: 15 students</i>	01	Robbins, C	TR 14:30 - 15:55	19 BAX	
HPS/H 158	3-0-6	The Scientific Revolution <i>maximum enrollment: 15 students</i>	01	Jardine, L	T 19:00 - 21:55	19 BAX	
HPS/H 160A	3-0-6	Einstein and His Generation: The History of Modern Physical Sciences <i>maximum enrollment: 15 students</i>	01	Kormos-Buchwald, D	W 19:00 - 21:55	House EINSTEIN	
H 161	3-0-6	Selected Topics in History: The Aerospace Century in California <i>maximum enrollment: 15 students</i>	01	Westwick, P	W 19:00 - 21:55	127 BAX	
HPS/H 162	3-0-6	Social Studies of Science <i>maximum enrollment: 15 students</i>	01	Feingold, M	W 19:00 - 21:55	115 DAB	
HPS/H 168	3-0-6	History of Electromagnetism and Heat Science <i>maximum enrollment: 12 students</i>	01	Buchwald, J	TR 10:30 - 11:55	117 DAB	G
H 184	3-0-6	Travel, Mobility, Migration <i>maximum enrollment: 15 students</i>	01	Brewer, J	TR 13:00 - 14:25	125 BAX	G

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<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	128 BAX	
HPS103	1-0-0	Public Lecture Series	01	Feingold, M	A	A	P
HPS/PI 136	3-0-6	Happiness and the Good Life <i>maximum enrollment: 15 students</i>	01	Quartz, S	T 13:00 - 15:55	33 BAX	
HPS/H 158	3-0-6	The Scientific Revolution <i>maximum enrollment: 15 students</i>	01	Jardine, L	T 19:00 - 21:55	19 BAX	
HPS/H 160A	3-0-6	Einstein and His Generation: The History of Modern Physical Sciences <i>maximum enrollment: 15 students</i>	01	Kormos-Buchwald, D	W 19:00 - 21:55	House EINSTEIN	
HPS/H 162	3-0-6	Social Studies of Science <i>maximum enrollment: 15 students</i>	01	Feingold, M	W 19:00 - 21:55	115 DAB	
HPS/H 168	3-0-6	History of Electromagnetism and Heat Science <i>maximum enrollment: 12 students</i>	01	Buchwald, J	TR 10:30 - 11:55	117 DAB	G
PI/HPS 183	3-0-6	Bioethics <i>maximum enrollment: 15 students per section</i>	01	Cowie, F	M 19:00 - 21:55	115 DAB	G
			02	Cowie, F	T 19:00 - 21:55	115 DAB	G
<b>HUMANITIES</b>							
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Brewer, J	TR 09:00 - 10:25	115 DAB	G
Hum/H 003C	3-0-6	European Civilization: Modern Europe <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Kormos-Buchwald, D	TR 14:30 - 15:55	House EINSTEIN	
Hum/H 004B	3-0-6	The Development of Science from Babylon through the Renaissance <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Buchwald, J	W 19:00 - 21:55	TR DAB	

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<b>HUMANITIES</b>							
Hum/En 005	3-0-6	Major British Authors <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	117 DAB	G
Hum/En 006	3-0-6	American Literature and Culture <i>Attendance at the first class is required.//Maximum enrollment: 15 students</i>	01	Hunter, C	TR 14:30 - 15:55	115 DAB	G
Hum/En 007	3-0-6	Modern European Literature <i>Attendance at first class is required.//Maximum enrollment: 15 students</i>	01	Gilmartin, K	TR 09:00 - 10:25	TR DAB	
Hum/PI 009	3-0-6	Knowledge and Reality <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01 02	Hitchcock, C Hitchcock, C	TR 09:00 - 10:25 TR 14:30 - 15:55	125 BAX 125 BAX	
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	128 BAX	
<b>INFORMATION SCIENCE AND TECHNOLOGY</b>							
IST004	3-0-6	Information and Logic <i>Open to freshmen and E&amp;AS (CNS) students only.</i>	01	Bruck, J	TR 14:30 - 15:55	105 ANB	G
<b>LANGUAGES</b>							
L 102C	3-0-6	Elementary French	01	Orcel, C	MWF 17:00 - 17:55	125 BAX	
L 103C	3-0-6	Intermediate French	01	Orcel, C	TWF 12:00 - 12:55	125 BAX	
L 106C	5-0-4	Elementary Japanese <i>Taught by Dr. Hirai</i>	01 02	Toner, R Toner, R	MTWR 15:00 - 15:55 MTWR 16:00 - 16:55	228 BAX 228 BAX	
L 107C	5-1-4	Intermediate Japanese <i>Prerequisite: L 106abc or equivalent</i>	01	Hirata, K	TWR 12:00 - 12:55	117 DAB	G
L 108C	3-1-6	Advanced Japanese	01	Hirata, K	T 09:30 - 10:25 WR 16:00 - 16:55	33 BAX 33 BAX	G

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<b>LANGUAGES</b>							
L 110C	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students per section</i>	01	Garcia, D	MWR 12:00 - 12:55	128 BAX	
			02	Arjona, G	MR 19:00 - 20:25	TR DAB	
L 112C	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Garcia, D	M 19:00 - 19:55	127 BAX	
					T 12:00 - 12:55	127 BAX	
					F 12:00 - 12:55	228 BAX	
L 114C	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 20 students</i>	01	Arjona, G	M 16:00 - 17:25	115 DAB	
					R 14:30 - 15:55	33 BAX	
L 130C	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	115 DAB	
L 132C	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	115 DAB	
L 152A	3-0-6	French Literature in Translation: Classical and Modern <i>**May not be taken more than once for credit**</i>	01	Merrill, T	M 17:00 - 18:25	19 BAX	
					W 18:00 - 19:25	19 BAX	
L 170C	4-1-5	Introduction to Chinese	01	Wang, X	MW 19:00 - 20:25	117 DAB	
L 171C	5-0-4	Elementary Chinese	01	Ming, F	MTW 19:00 - 19:55	125 BAX	
L 172C	4-1-5	Intermediate Chinese	01	Wang, X	TR 19:00 - 20:25	117 DAB	
L 174	3-0-6	Topics in Chinese Literature	01	Ming, F	MT 20:00 - 21:25	125 BAX	
L 175	3-0-3	French Conversation	01	Orcel, C	MR 08:30 - 09:55	33 BAX	P
<b>LAW</b>							
Law134	3-0-6	Law and Technology	01	McCaffery, E	MW 13:00 - 14:25	25 BAX	

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<b>LAW</b>							
Law/PS/H 148B	3-0-6	The Supreme Court in U.S. History <i>Maximum enrollment: 30 students</i>	01	Kousser, J	T 19:30 - 22:25	127 BAX	G
<b>MATERIALS SCIENCE</b>							
MS 078C	+	Senior Thesis	01	Haile, S	A	A	P
			02	Johnson, W	A	A	P
			03	Snyder, G	A	A	P
			04	Greer, J	A	A	P
			05	Goddard, W	A	A	P
MS 090	1-6-2	Materials Science Laboratory <i>Maximum Enrollment: 12 students</i>	01	Hofmann, D	WF 09:00 - 11:55 M 12:00 - 12:55	A 102 STL	
MS 100	+	Advanced Work in Materials Science	01	Haile, S	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	Snyder, G	A	A	P
APh/MS 105C	3-0-6	States of Matter <i>offered concurrently with MS 106</i>	01	Fultz, B	TR 10:30 - 11:55	104 WAT	
MS 106	3-0-6	Phase Transformations <i>offered concurrently with APh/MS 105C</i>	01	Fultz, B	TR 10:30 - 11:55	104 WAT	
MS 110C	1-0-0	Materials Research Lectures	01	Snyder, G	W 16:00 - 16:55	106 SPL	P
MS/APh 122	0-3-0	Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i>	01	Fultz, B / Garland, C	A	A	
MS 133	3-0-6	Kinetic Processes in Materials	01	Greer, J	TR 14:30 - 15:55	142 KCK	
MS 200	+	Advanced Work in Materials Science	01	Johnson, W	A	A	P
			02	Goddard, W	A	A	P
			03	van de Walle, A	A	A	P



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<b>MATERIALS SCIENCE</b>										
MS 200	+	Advanced Work in Materials Science	04	Fultz, B	A	A	P			
			05	Snyder, G	A	A	P			
			06	Heath, J	A	A	P			
			07	Bhattacharya, K	A	A	P			
			08	Lewis, N	A	A	P			
			09	Haile, S	A	A	P			
			10	Atwater, H	A	A	P			
			11	Daraio, C	A	A	P			
			12	Greer, J	A	A	P			
			13	Minnich, A	A	A	P			
			15	Ortiz, M	A	A	P			
			ME/MS 260A	3-0-9	Micromechanics <i>Class meets in 211 Keith Spaulding</i>	01	Bhattacharya, K	TR 13:00 - 14:25	A	
			MS 300	+	Thesis Research	01	Johnson, W	A	A	P
						02	van de Walle, A	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	Snyder, G	A				A	P			
08	Lewis, N	A				A	P			
10	Rosakis, A	A				A	P			
13	Haile, S	A				A	P			
14	Heath, J	A				A	P			
16	Cross, M	A				A	P			
<b>MATHEMATICS</b>										
Ma 001C	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-5, 10-13 // Analytical Track: Sections 6-9 // Maximum Enrollment: 30 students per section</i>				01	Ni, Y	MWF 10:00 - 10:55 R 09:00 - 09:55	119 KRK 151 SLN	G
						02	Ni, Y	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 3 BBB	G
						03	Ni, Y	MWF 10:00 - 10:55	119 KRK	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 1-5, 10-13 // Analytical Track: Sections 6-9 // Maximum Enrollment: 30 students per section</i>	03	Ni, Y	R 10:00 - 10:55	119 DWN	G
			04	Ni, Y	MWF 10:00 - 10:55	119 KRK	G
					R 13:00 - 13:55	3 BBB	
			05	Ni, Y	MWF 10:00 - 10:55	119 KRK	G
					R 14:00 - 14:55	3 BBB	
			06	Kechris, A	MWF 10:00 - 10:55	151 SLN	G
					R 09:00 - 09:55	159 SLN	
			07	Kechris, A	MWF 10:00 - 10:55	151 SLN	G
					R 10:00 - 10:55	11 DWN	
			08	Kechris, A	MWF 10:00 - 10:55	151 SLN	G
					R 13:00 - 13:55	11 DWN	
			09	Kechris, A	MWF 10:00 - 10:55	151 SLN	G
					R 14:00 - 14:55	103 DWN	
			10	Ni, Y	MWF 10:00 - 10:55	119 KRK	G
					R 11:00 - 11:55	33 BAX	
			11	Ni, Y	MWF 10:00 - 10:55	119 KRK	G
					R 13:00 - 13:55	27 GTS	
			12	Ni, Y	MWF 10:00 - 10:55	119 KRK	G
					R 09:00 - 09:55	11 DWN	
			13	Ni, Y	MWF 10:00 - 10:55	119 KRK	G
					R 14:00 - 14:55	11 DWN	
Ma 004	3-0-6	Introduction to Mathematical Chaos	01	Marculli, M	TR 10:30 - 11:55	257 SLN	
Ma 005C	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105c</i>	01	Ormerod, C	MWF 09:00 - 09:55	151 SLN	
Ma/CS 006C	3-0-6	Introduction to Discrete Mathematics	01	Marks, A	TR 13:00 - 14:25	153 SLN	
Ma 007	3-0-6	Number Theory for Beginners	01	Ramakrishnan, D	MWF 13:00 - 13:55	257 SLN	
Ma 011	0-0-3	Mathematical Writing <i>Students should attend only one OM, either on Monday or Tuesday</i>	01	Wilson, R	OM,M 14:00 - 14:55	307 KLG	G
					OM,T 14:00 - 14:55	307 KLG	

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<b>MATHEMATICS</b>							
Ma 092C	+	Senior Thesis	01	Staff	A	A	P
Ma 098	+	Independent Reading <i>Faculty permission required to register for course.</i>	01	Staff	A	A	P
Ma 105C	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5c</i>	01	Ormerod, C	MWF 09:00 - 09:55	151 SLN	
Ma 106	3-0-6	Elliptic Curves	01	Tsai, P	TR 13:00 - 14:25	159 SLN	
Ma 108C	3-0-6	Classical Analysis	01	Demirel-Frank, S	MWF 11:00 - 11:55	151 SLN	
Ma 109C	3-0-6	Introduction to Geometry and Topology	01	Gupta, S	MWF 10:00 - 10:55	257 SLN	
Ma 110C	3-0-6	Analysis, I	01	Marx, C	MWF 11:00 - 11:55	159 SLN	
Ma 111A	3-0-6	Analysis, II	01	Simon, B	MW 14:30 - 15:55	159 SLN	P
Ma 116C	3-0-6	Mathematical Logic and Axiomatic Set Theory	01	Williams, J	TR 13:00 - 14:25	151 SLN	
Ma 120C	3-0-6	Abstract Algebra	01	Flach, M	MWF 09:00 - 09:55	159 SLN	
EE/Ma/CS 127	3-0-6	Error-Correcting Codes	01	Andrews, K	MWF 15:00 - 15:55	142 KCK	
Ma 130C	3-0-6	Algebraic Geometry	01	Tian, Z	MWF 13:00 - 13:55	153 SLN	
Ma 132C	3-0-6	Topics in Algebraic Geometry	01	Tian, Z	TR 10:30 - 11:55	159 SLN	
Ma/ACM 144C	3-0-6	Probability	01	Chipeniuk, K	TR 14:30 - 15:55	159 SLN	

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<b>MATHEMATICS</b>							
Ma 148C	3-0-6	Topics in Mathematical Physics	01	Zhou, G	TR 10:30 - 11:55	153 SLN	
Ma 151C	3-0-6	Algebraic and Differential Topology	01	Liu, Y	MWF 10:00 - 10:55	153 SLN	
Ma 157B	3-0-6	Riemannian Geometry	01	Baba, S	TR 09:00 - 10:25	257 SLN	
Ma 160C	3-0-6	Number Theory	01	Ramakrishnan, D	MWF 14:00 - 14:55	257 SLN	
Ma 162B	3-0-6	Topics in Number Theory	01	Hedayat Zadeh Razavi, S	MW 13:00 - 14:25	151 SLN	
Ma 191C	3-0-6	Selected Topics in Mathematics <i>Sec 1: Low Dimensional Topology: Volumes of hyperbolic 3-manifolds // Sec 2: Motives and Quantum Field Theory</i>	01	Trnkova, M	MWF 09:00 - 09:55	070 MRE	
			02	Marculli, M	TR 13:00 - 14:25	257 SLN	
Ma 290	+	Reading <i>Faculty permission required to register for course.</i>	01	Flach, M	A	A	P
			02	Frank, R	A	A	P
			03	Graber, T	A	A	P
			04	Katz, N	A	A	P
			05	Kechris, A	A	A	P
			06	Makarov, N	A	A	P
			07	Mantovan, E	A	A	P
			08	Marculli, M	A	A	P
			09	Markovic, V	A	A	P
			10	Ni, Y	A	A	P
			11	Rains, E	A	A	P
			12	Ramakrishnan, D	A	A	P
			13	Simon, B	A	A	P
			14	Wilson, R	A	A	P
Ma 390	+	Research <i>Faculty permission required to register for research.</i>	01	Flach, M	A	A	P
			02	Frank, R	A	A	P
			03	Graber, T	A	A	P

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<b>MATHEMATICS</b>										
Ma 390	+	Research <i>Faculty permission required to register for research.</i>	04	Katz, N	A	A	P			
			05	Kechris, A	A	A	P			
			06	Makarov, N	A	A	P			
			07	Mantovan, E	A	A	P			
			08	Marcolli, M	A	A	P			
			09	Markovic, V	A	A	P			
			10	Ni, Y	A	A	P			
			11	Rains, E	A	A	P			
			12	Ramakrishnan, D	A	A	P			
			13	Simon, B	A	A	P			
			14	Wilson, R	A	A	P			
			15	Preskill, J	A	A	P			
			16	Gukov, S	A	A	P			
			17	Desbrun, M	A	A	P			
			<b>MECHANICAL ENGINEERING</b>							
			ME 014	3-5-1	Design and Fabrication <i>Maximum enrollment: 30 students // Limited to ME or Ae students // Not open to freshman</i>	01	Burdick, J / Van Deusen, J	TR 15:30 - 16:55	103 DWN	G
			ME 018B	3-0-6	Thermodynamics	01	Blanquart, G	MWF 14:00 - 14:55	102 STL	
ME 019B	3-0-6	Fluid Mechanics	01	Dabiri, J	TR 10:30 - 11:55	101 GUG	G			
ME 035C	3-0-6	Statics and Dynamics	01	Hall, J	TR 13:00 - 14:25	269 LAU	G			
ME 090C	0-9-0	Senior Thesis, Experimental	01	Colonus, T	A	A	G			
ME 096	0-9-0	Mechanical Engineering Laboratory	01	Ravichandran, G	OM,A	A				
ME 100	+	Advanced Work in Mechanical Engineering	01	Kochmann, D	A	A	P			
			02	Hunt, M	A	A	P			

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<b>MECHANICAL ENGINEERING</b>							
ME 100	+	Advanced Work in Mechanical Engineering	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
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Dimotakis, P	MWF 10:00 - 10:55	101 GUG	
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	101 GUG	G
E/ME 105B	3-2-4	Product Design for the Developing World	01	Pickar, K	M 18:00 - 19:25	070 MRE	
					W 19:00 - 20:25	070 MRE	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Murray, R	A	A	P
			02	Burdick, J	A	A	P
			03	Brennen, C	A	A	P
			04	Pickar, K	A	A	P
			05	Ravichandran, G	A	A	P
			06	Shepherd, J	A	A	P
ME 115B	3-0-6	Introduction to Kinematics and Robotics	01	Burdick, J	MWF 10:00 - 10:55	33 BAX	
ME 119B	3-0-6	Heat and Mass Transfer	01	Minnich, A	MWF 14:00 - 14:55	142 KCK	
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Andrade, J	A	A	P
ME/CE 163	3-0-6	Mechanics and Rheology of Fluid-Infiltrated Porous Media	01	Andrade, J	TR 13:00 - 14:25	110 STL	
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
			04	Brennen, C	A	A	P
			05	Bhattacharya, K	A	A	P

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<b>MECHANICAL ENGINEERING</b>							
ME/MS 260A	3-0-9	Micromechanics <i>Class meets in 211 Keith Spaulding</i>	01	Bhattacharya, K	TR 13:00 - 14:25	A	
ME 300	+	Research in Mechanical Engineering	01	Antonsson, E	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	Haile, S	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
			16	Dabiri, J	A	A	P
			17	Brady, J	A	A	P
			18	Scherer, A	A	A	P
			19	Trojan, 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
			31	Minnich, A	A	A	P

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<b>MEDICAL ENGINEERING</b>							
EE/MedE 114B	4-0-8	Analog Circuit Design	01	Hajimiri, S	WF 10:00 - 11:55	070 MRE	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices	01	Yang, C	MW 13:00 - 14:25	108 KCK	
MedE 201B	3-0-6	Principles and Design of Medical Devices	01	Tai, Y / Choo, H	MW 14:30 - 15:55	107 ANB	G
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	A	A	P
			03	Dabiri, J	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
<b>MUSIC</b>							
Mu 029	3-0-6	Harmony II	01	Neenan, T	MW 12:30 - 13:55	19 BAX	
Mu 139	3-0-6	History III: Music History from 1850 to the Present <i>maximum enrollment: 15 students</i>	01	Neenan, T	MW 14:30 - 15:55	19 BAX	
<b>NEUROBIOLOGY</b>							
Bi/CNS/NB 185	2-0-4	Large Scale Brain Networks	01	Tsao, D	M 10:00 - 11:55	100 - Rock Auditorium BRD	



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<b>NEUROBIOLOGY</b>							
Bi/CNS/NB 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	101 KRK	
CNS/Bi/NB 256	2-0-4	Decision Making	01	Andersen, R	R 14:00 - 15:55	333 BBB	
<b>PERFORMANCE AND ACTIVITIES</b>							
PA 016C	0-3-0	Cooking Basics <i>Open by lottery only; See the REGIS home page for info//Location: 400 S. Hill</i>	01	Staff	R 18:30 - 21:25	A	P
PA 030C	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	Library AVE	P
			02	Elgart, M	T 15:30 - 16:25	Library AVE	P
			03	Elgart, M	T 17:30 - 18:25	Library AVE	P
PA 031C	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano Four-Hands // Sec 3: Guitar Ensemble</i>	01	Bing, D	OM,A	A	P
			02	Ward, R	OM,A	A	P
			03	Elgart, M	OM,A	A	P
PA 032C	0-3-0	Symphony Orchestra	01	Gross, A	T 19:30 - 22:15	Ramo Auditorium BAX	P
PA 033C	0-3-0	Concert Band	01	Bing, W	R 19:30 - 21:45	Ramo Auditorium BAX	P
PA 034C	0-3-0	Jazz Band	01	Catlin, B	M 19:15 - 21:00 M 21:15 - 22:45	Ramo Auditorium BAX Ramo Auditorium BAX	P
PA 035C	0-3-0	Women's Glee Club	01	Sulahian, N	M 19:30 - 21:25 W 17:00 - 17:55	Basement BCK Basement BCK	P
PA 036C	0-3-0	Men's Glee Club	01	Sulahian, N	M 19:30 - 21:25 W 17:00 - 17:55	Basement BCK Basement BCK	P
PA 037C	0-3-0	Chamber Singers	01	Sulahian, N	W 18:00 - 18:55	A	P
PA 040C	2-0-1	Theater Arts <i>Sec 1: Improvisation // Sec 2: Playwriting</i>	01	Brophy, B	W 19:30 - 21:55	Ramo Auditorium BAX	P P

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<b>PERFORMANCE AND ACTIVITIES</b>							
PA 040C	2-0-1	Theater Arts <i>Sec 1: Improvisation // Sec 2: Playwriting Workshop</i>	02	Brophy, B	OM,W 19:30 - 21:55 S 11:00 - 13:55	Ramo Auditorium BAX TCT	P
PA 061C	0-3-0	Silkscreen and Silk Painting <i>Location: 275 S. Hill - (Back House) Art Chateau</i>	01	Barry, J	M 19:00 - 21:55	A	P
PA 062C	0-3-0	Drawing and Painting <i>Location: 275 S. Hill (Art Chateau)</i>	01	Barry, J	T 19:00 - 21:55	A	P
PA 063C	0-3-0	Ceramics	01	Freed, S	W 19:00 - 21:55	Ceramic Room POLY	P
<b>PHILOSOPHY</b>							
Hum/PI 009	3-0-6	Knowledge and Reality <i>Attendance at the first class is required. // Maximum enrollment: 15 students</i>	01 02	Hitchcock, C Hitchcock, C	TR 09:00 - 10:25 TR 14:30 - 15:55	125 BAX 125 BAX	
PI 090B	1-0-8	Senior Thesis	01	Staff	A	A	
PL 098	+	Reading in Philosophy	01	Velasco, J	A	A	P
HPS/PI 136	3-0-6	Happiness and the Good Life <i>maximum enrollment: 15 students</i>	01	Quartz, S	T 13:00 - 15:55	33 BAX	
PI/HPS 183	3-0-6	Bioethics <i>maximum enrollment: 15 students per section</i>	01 02	Cowie, F Cowie, F	M 19:00 - 21:55 T 19:00 - 21:55	115 DAB 115 DAB	G G
<b>PHYSICAL EDUCATION</b>							
PE 001	3-0-0	Student Designed Fitness	01	Carter, J	TR 13:00 - 14:25	BAC	P
PE 002	3-0-0	Healthier Living	01	Levin, J	MW 14:30 - 15:55	BAC	P

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<b>PHYSICAL EDUCATION</b>							
PE 003	3-0-0	Hiking <i>includes travel time to and from hiking sites</i>	01	Marbut, S / Gardner, T	F 12:00 - 15:55	BAC	P
PE 006	3-0-0	Core Training, Beginning/Intermediate	01	Morgan, H	TR 14:00 - 15:25	BAC	P
PE 008	3-0-0	Fitness Training, Beginning	02	Morgan, H / Stevenson, M	MW 13:00 - 14:25	BAC	P
PE 009	3-0-0	Soccer	01	Uribe, R	MW 14:30 - 15:55	NOF BAC	P
PE 010	3-0-0	Aerobic Dance	01	Waterman, D / Hazen, K	MW 19:00 - 20:25	BAC	P
PE 014	3-0-0	Basketball Skills, Beginning and Beginning/Intermediate	01	Marbut, S	TR 12:00 - 13:25	BRN	P
PE 024	3-0-0	Yoga, Beginning	01	Alvarado-Orozco, J / Flynn, K	TR 20:00 - 21:25	BAC	P
PE 028	3-0-0	Flying Saucers	01	Gardner, T	TR 10:00 - 11:25	BAC	P
PE 030	3-0-0	Golf, Beginning, Intermediate, and Advanced	01	Eslinger, O / Beemer, P	MW 10:30 - 11:55	NOF BAC	P
PE 036	3-0-0	Swimming, Beginning/Intermediate and Advanced	01	Leavitt, J	TR 10:30 - 11:55	Pool BRW	P
PE 044	3-0-0	Karate (Shotokan), Beginning and Intermediate/Advanced	01	Teramoto, K	TR 16:00 - 17:25	BAC	P
PE 050	3-0-0	Badminton, Beginning/Intermediate	01	Gamble, M	MW 10:30 - 11:55	BAC	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate/Advanced	01	Mark, M / Eslinger, O	MW 13:15 - 14:45	BAC	P
PE 060	3-0-0	Tennis, Beginning, Intermediate, and Advanced	01	Uribe, R	MW 13:00 - 14:25	TCT BAC	P

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<b>PHYSICAL EDUCATION</b>							
PE 070	3-0-0	Weight Training, Beginning/Intermediate	01	Leavitt, J / Alway, S	TR 13:00 - 14:25	BAC	P
PE 080C	1-1-1	Health Advocates	01	Stapf, M	W 19:00 - 21:55	YHC	P
PE 081	3-0-0	Bouldering	01	Tavallali, P	T 16:00 - 17:55 R 17:00 - 17:55	BAC BAC	P
PE 085B	3-0-0	Intercollegiate Track and Field Team (Men and Women)	01	Stevenson, M	MTWRFS 16:00 - 17:55	BAC	P
PE 090C	3-0-0	Intercollegiate Water Polo Team (Men and Women)	01	Beemer, P	MTWRFS 16:00 - 18:55	POOL BAC	P
PE 093B	3-0-0	Intercollegiate Baseball Team (Men)	01	Mark, M	MTWRFS 16:00 - 17:55	BAC	P
PE 095B	3-0-0	Intercollegiate Tennis Team (Men)	01	Gamble, M	MTWRFS 16:00 - 17:55	TCT BAC	P
PE 096B	3-0-0	Intercollegiate Tennis Team (Women)	01	Gamble, M	MTWRFS 16:00 - 17:55	TCT BAC	P
<b>PHYSICS</b>							
Ph 001C	4-0-5	Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track -- Sections 6-10 Analytical Track//Maximum enrollment: 30 students per section</i>	01	Eisenstein, J	MWR 15:00 - 15:55 F 15:00 - 15:55	11 DWN 201 BRG	G
			02	Eisenstein, J	MWR 11:00 - 11:55 F 15:00 - 15:55	27 GTS 201 BRG	G
			03	Eisenstein, J	MW 15:00 - 15:55 R 11:00 - 11:55 F 15:00 - 15:55	103 DWN 103 DWN 201 BRG	G
			04	Eisenstein, J	MW 13:00 - 13:55 R 11:00 - 11:55 F 15:00 - 15:55	11 DWN 155 ARM 201 BRG	G
			05	Eisenstein, J	MW 11:00 - 11:55 R 11:00 - 11:55	107 DWN 22 GTS	G

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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//Maximum enrollment: 30 students per section</i>	05	Eisenstein, J	F 15:00 - 15:55	201 BRG	G
			06	Refael, G	WF 11:00 - 11:55	201 BRG	G
					MR 11:00 - 11:55	11 DWN	
			07	Refael, G	WF 11:00 - 11:55	201 BRG	G
					MR 15:00 - 15:55	102 STL	
			08	Refael, G	WF 11:00 - 11:55	201 BRG	G
					MR 11:00 - 11:55	119 DWN	
			09	Refael, G	WF 11:00 - 11:55	201 BRG	G
					MR 11:00 - 11:55	119 KRK	
					MR 15:00 - 15:55	119 DWN	
Ph 003	0-3-3	Physics Laboratory <i>Graded P/F, letter grades by petition only // Maximum enrollment: 24 students per section</i>	01	Libbrecht, K / Black, E	W 13:00 - 15:55	308 BRG	P
			02	Libbrecht, K / Black, E	R 13:00 - 15:55	308 BRG	P
			03	Libbrecht, K / Black, E	F 13:00 - 15:55	308 BRG	P
Ph 007	0-9-0	Physics Laboratory	01	Rice, F / Politzer, H	OM,T 15:00 - 15:55	201 BRG	G
Ph 008C	0-3-0	Experiments in Electromagnetism	01	Pine, J	A	A	P
FS/Ph 011C	2-0-4	Freshman Seminar: Research Tutorial	01	Tombrello, T	A	201 SLN	P
Ph 012C	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Weinstein, A	TR 10:30 - 11:55	269 LAU	G
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Prince, T	OM,M 15:00 - 15:55	304 BRG	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Prince, T	OM,M 15:00 - 15:55	304 BRG	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Prince, T	OM,M 15:00 - 15:55	304 BRG	P
Ph 050C	1-0-3	Caltech Physics League <i>Class cancelled</i>	01	Refael, G	A	A	

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<b>PHYSICS</b>							
Ph 070	2-0-4	Oral and Written Communication	01	Hitlin, D	T 14:00 - 15:55	469 LAU	G
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	G
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	G
Ph 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	G
Ph 078C	9-0-0	Senior Thesis, Experimental	01	Stone, E	A	A	G
Ph 079C	9-0-0	Senior Thesis, Theoretical	01	Stone, E	A	A	G
Ph 106C	3-0-6	Topics in Classical Physics	01	Golwala, S	TR 10:30 - 11:55	107 DWN	
APh/Ph/Ae 116	3-0-9	Physics of Thermal and Mass Transport in Hydrodynamic Systems	01	Troian, S	TR 13:00 - 14:25	104 WAT	
Ph/APh/EE/BE 118C	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	P
Ph 125C	3-0-6	Quantum Mechanics	01	Cheung, C	MWF 10:00 - 10:55	107 DWN	
Ph 127C	3-0-6	Statistical Physics	01	Motrunich, O	TR 13:00 - 14:25	107 DWN	
Ph 129C	3-0-6	Mathematical Methods of Physics	01	Porter, F	TR 09:00 - 10:25	107 DWN	
Ph 171	+	Reading and Independent Study	01	Thorne, K	A	A	P
			02	Cheung, C	A	A	P
			03	Refael, G	A	A	P
			04	Wilson, R	A	A	P
			05	Roukes, M	A	A	P

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	06	Phillips, R	A	A	P
			07	Wise, M	A	A	P
			08	Yeh, N	A	A	P
			09	Wilson, R	A	A	P
			10	Simon, B	A	A	P
			11	Motrunich, O	A	A	P
			12	Chen, Y	A	A	P
			13	Phinney, E	A	A	P
			14	Porter, F	A	A	P
			15	Trojan, S	A	A	P
			16	Libbrecht, K	A	A	P
			17	Alicea, J	A	A	P
			18	Carroll, S	A	A	P
			19	Desbrun, M	A	A	P
			22	Gukov, S	A	A	P
			23	Schwarz, J	A	A	P
			27	Oguri, H	A	A	P
			35	Politzer, H	A	A	P
			46	Kapustin, A	A	A	P
			54	Preskill, J	A	A	P
55	Cross, M	A	A	P			
56	Eisenstein, J	A	A	P			
57	Weinstein, A	A	A	P			
Ph 172	+	Research in Experimental Physics	01	Barish, B	A	A	P
			02	Martin, C	A	A	P
			03	Painter, O	A	A	P
			04	Haile, S	A	A	P
			05	Bellan, P	A	A	P
			06	Porter, F	A	A	P
			07	Patterson, R	A	A	P
			08	Roukes, M	A	A	P
			09	Scherer, A	A	A	P
			10	Readhead, A	A	A	P

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Ph 172	+	Research in Experimental Physics	11	Hitlin, D	A	A	P
			12	Flagan, R	A	A	P
			13	Eisenstein, J	A	A	P
			14	Fraser, S	A	A	P
			15	Atwater, H	A	A	P
			16	Heath, J	A	A	P
			17	Winfree, E	A	A	P
			18	Adhikari, R	A	A	P
			19	Troian, S	A	A	P
			20	Harrison, F	A	A	P
			21	Phillips, R	A	A	P
			22	Patterson, R	A	A	P
			23	Bock, J	A	A	P
			24	Hsieh, D	A	A	P
			25	Okumura, M	A	A	P
			27	Prince, T	A	A	P
			28	Stone, E	A	A	P
			35	Newman, H	A	A	P
			36	Rice, F	A	A	P
			43	Yeh, N	A	A	P
			45	Libbrecht, K	A	A	P
			46	Filippone, B	A	A	P
			49	Kimble, H	A	A	P
			51	Zmuidzinas, J	A	A	P
			52	Zewail, A	A	A	P
			53	Weinstein, A	A	A	P
			57	Golwala, S	A	A	P
			58	Spiropulu, M	A	A	P
			59	Schwab, K	A	A	P
Ph 173	+	Research in Theoretical Physics	01	Hopkins, P	A	A	P
			02	Gukov, S	A	A	P
			03	Carroll, S	A	A	P
			04	Thorne, K	A	A	P



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Ph 173	+	Research in Theoretical Physics	05	Yeh, N	A	A	P
			06	Refael, G	A	A	P
			07	Martin, C	A	A	P
			08	Kapustin, A	A	A	P
			09	Oguri, H	A	A	P
			10	Marcus, R	A	A	P
			11	Chen, Y	A	A	P
			12	Porter, F	A	A	P
			13	Simon, B	A	A	P
			14	Ott, C	A	A	P
			15	Goddard, W	A	A	P
			16	Schwarz, J	A	A	P
			17	Hirata, C	A	A	P
			18	Motrunich, O	A	A	P
			19	Alicea, J	A	A	P
			20	Cheung, C	A	A	P
			21	Prince, T	A	A	P
			22	Atwater, H	A	A	P
			23	Scheel, M	A	A	P
			24	Kitaev, A	A	A	P
			25	Troian, S	A	A	P
			26	Scheel, M	A	A	P
			29	Cross, M	A	A	P
37	Wise, M	A	A	P			
39	Preskill, J	A	A	P			
44	Phinney, E	A	A	P			
45	Scoville, N	A	A	P			
57	Filippone, B	A	A	P			
59	Phillips, R	A	A	P			
61	Zewail, A	A	A	P			
Ph 199	3-0-6	Frontiers of Fundamental Physics	01	Spiropulu, M	MW 14:30 - 15:55	269 LAU	

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Ph 205C	3-0-6	Relativistic Quantum Mechanics	01	Kapustin, A	MW 10:30 - 11:55	269 LAU	
Ph 230C	3-0-6	Elementary Particle Theory	01	Schwarz, J	MW 09:00 - 10:25	469 LAU	P
Ph 237	3-0-6	Gravitational Waves	01	Chen, Y / Adhikari, R	MW 13:00 - 14:25	107 DWN	
Ph 300	+	Thesis Research	01	Eisenstein, J	A	A	P
			02	Libbrecht, K	A	A	P
			03	Oguri, H	A	A	P
			04	Readhead, A	A	A	P
			05	Hitlin, D	A	A	P
			06	Goddard, W	A	A	P
			07	Thorne, K	A	A	P
			08	Atwater, H	A	A	P
			09	Roukes, M	A	A	P
			10	Golwala, S	A	A	P
			11	Martin, C	A	A	P
			12	Adhikari, R	A	A	P
			13	Harrison, F	A	A	P
			14	Weinstein, A	A	A	P
			15	Marcolli, M	A	A	P
			16	Barish, B	A	A	P
			17	Desbrun, M	A	A	P
			18	Newman, H	A	A	P
			19	Kitaev, A	A	A	P
			20	Filippone, B	A	A	P
			21	Gharib, M	A	A	P
			22	Wilson, R	A	A	P
			23	Daraio, C	A	A	P
			24	Fraser, S	A	A	P
			25	Marcus, R	A	A	P
			26	Winfree, E	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 300	+	Thesis Research	27	Cross, M	A	A	P
			28	Gukov, S	A	A	P
			29	McKeown, R	A	A	P
			30	Refael, G	A	A	P
			31	Phinney, E	A	A	P
			32	Lester, H	A	A	P
			33	Ott, C	A	A	P
			34	Bock, J	A	A	P
			35	Painter, O	A	A	P
			36	Schwab, K	A	A	P
			37	Kapustin, A	A	A	P
			38	Phillips, T	A	A	P
			39	Chen, Y	A	A	P
			40	Prince, T	A	A	P
			41	Wise, M	A	A	P
			42	Kimble, H	A	A	P
			46	Preskill, J	A	A	P
			47	Yeh, N	A	A	P
			51	Phillips, R	A	A	P
			52	Porter, F	A	A	P
			53	Bellan, P	A	A	P
			54	Zewail, A	A	A	P
			58	Psaltis, D	A	A	P
			60	Zmuidzinas, J	A	A	P
			62	Heath, J	A	A	P
			63	Kennedy, M	A	A	P
			65	Schwarz, J	A	A	P
			70	Stone, E	A	A	P
			73	Ellis, R	A	A	P
			74	Spiropulu, M	A	A	P
			75	Motrunich, O	A	A	P
			76	Carroll, S	A	A	P
<b>POLITICAL SCIENCE</b>							

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<b>POLITICAL SCIENCE</b>							
PS 012	3-0-6	Introduction to Political Science <i>Maximum enrollment: 100 students</i>	01	Kiewiet, D	MWF 13:00 - 13:55	Lecture Hall BAX	
PS 097	+	Undergraduate Research	01	Alvarez, R	A	A	P
PS 099A	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course</i>	01	Staff	A	A	
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course</i>	01	Kiewiet, D	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	25 BAX	G
BEM/PS 126	3-0-6	Business and Public Policy	01	Georgiadis, G	TR 14:30 - 15:55	25 BAX	
An/PS 127	3-0-6	Corruption <i>Maximum Enrollment: 17 students</i>	01	Ensminger, J	TR 14:30 - 15:55	127 BAX	G
Law/PS/H 148B	3-0-6	The Supreme Court in U.S. History <i>Maximum enrollment: 30 students</i>	01	Kousser, J	T 19:30 - 22:25	127 BAX	G
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	MW 10:30 - 11:55	127 BAX	G
<b>PSYCHOLOGY</b>							
Psy015	3-0-6	Social Psychology <i>Maximum enrollment: 30 students</i>	01	Paul, L	TR 10:30 - 11:55	25 BAX	
CNS/SS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society	01	Camerer, C	TR 13:00 - 14:25	127 BAX	
CNS/SS/Psy 110A	1.5-0-3.5	Cognitive Neuroscience Tools <i>Undergraduates need instructor's permission to enroll</i>	01	Rangel, A	F 12:00 - 13:55	33 BAX	P

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<b>SOCIAL SCIENCE</b>							
SS 098	+	Reading in Social Science	01	Staff	A	A	P
SS 101	0-0-0	Selected Topics in Social Science: Economic History of China <i>Class cancelled</i>	01	Staff	A	A	
CNS/SS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society	01	Camerer, C	TR 13:00 - 14:25	127 BAX	
CNS/SS/Psy 110A	1.5-0-3.5	Cognitive Neuroscience Tools <i>Undergraduates need instructor's permission to enroll</i>	01	Rangel, A	F 12:00 - 13:55	33 BAX	P
SS 201C	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i>	01	Echenique, F	MWF 09:00 - 09:55	127 BAX	G
SS 202C	3-0-6	Political Theory <i>Open to Social Science graduate students only.</i>	01	Alvarez, R	T 13:00 - 15:55	128 BAX	G
SS 205C	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Ledyard, J	WF 13:00 - 14:25	128 BAX	G
SS 222C	3-0-6	Econometrics <i>Open to Social Science graduate students only.</i>	01	Sherman, R	TR 10:30 - 11:55	128 BAX	G
SS 223C	3-0-6	Advanced Topics in Econometric Theory	01	Gillen, B	TR 09:00 - 10:25	128 BAX	
SS 260	3-3-3	Experimental Methods of Political Economy	01	Plott, C	MW 10:30 - 11:55	127 BAX	G
SS 281	3-0-6	Graduate Social Science Writing Seminar <i>Open to graduate students only.</i>	01	Rosenthal, J	MW 09:00 - 10:25	128 BAX	G
SS 282C	2-0-1	Graduate Proseminar in Social Science	01	Echenique, F	M 14:30 - 15:55	127 BAX	P
SS 300	+	Research in Social Science	01	Cvitanic, J	A	A	P
			03	Echenique, F	A	A	P
			04	Hoffman, P	A	A	P

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<b>SOCIAL SCIENCE</b>							
SS 300	+	Research in Social Science	05	Ledyard, J	A	A	P
			06	Katz, J	A	A	P
			07	Hoffman, P	A	A	P
			08	Bossaerts, P	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
			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			
<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>WRITING</b>							
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P
En/Wr 084	3-0-6	Writing About Science <i>maximum enrollment: 15 students</i>	01	Hall, S	TR 13:00 - 14:25	19 BAX	