

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

ANB	Annenberg Center for Information Science and Technology	KLK	Kellogg Radiation Laboratory
ARM	Arms Laboratory of Geological Sciences	KRK	Kerckhoff Laboratory of Biological Sciences
AVE	Avery House	KSP	Keith Spaulding Building
BAC	Braun Athletic Center	L+R	Linde + Robinson Laboratory for Global Environmental Science
BAX	Baxter Hall of Humanities and Social Services	LAU	Lauritsen Physics Laboratory
BBB	Beckman Laboratory of Behavioral Biology	MEAD	Undergraduate Chemistry Laboratory
BCK	Beckman Institute	MRE	Moore Laboratory
BRD	Broad Center	NMD	North Mudd Building of Geological Sciences
BRG	Bridge Laboratory of Physics	NYS	Noyes Laboratory of Chemical Physics
BRN	Braun Laboratory	NewMedia	NewMedia Classroom
BRW	Brown Gym	POLY	Polytechnic School
Bldg 15	Building 15/Math Building/Old Financial Services building	PR	Public Relations
CHL	Cahill Center for Astronomy and Astrophysics	PWL/BTH	Powell/Booth Laboratory
CHR	Church Laboratory of Chemical Biology	ROB	Robinson Laboratory of Astrophysics
CRL	Crellin Chemistry Laboratory	SAC	Student Activities Center
CSS	Center for Student Services	SCH	Schlinger Laboratory
DAB	Dabney Hall of Humanities	SFL	Sherman Fairchild Library
DWN	Downs Physics Laboratory	SLN	Sloan Laboratory of Mathematics and Physics
DWN/LAU	Downs Lauritsen	SMD	South Mudd Building of Geophysics and Planetary Sciences
FIR	Firestone Flight Science Laboratory	SPL	Spalding Laboratory of Chemical Engineering
GCL	Gates Chemical Laboratory	STL	Steele Laboratory of Electrical Engineering
GTL	Gates-Thomas Engineering Laboratory	TCT	Theater Arts at Caltech (TACIT)
GUG	Guggenheim Laboratory	WAT	Watson Laboratory of Applied Physics
JRG	Jorgensen Laboratory	WINN	Winnett Center
KAR	Karman Laboratory	YHC	Young Health Center
KCK	Keck Engineering Laboratory		

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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AEROSPACE							
Ae 100	+	Research in Aerospace	01	Gharib, M	A	A	P
			02	McKeon, B	A	A	P
			03	Chung, S	A	A	P
			04	Pellegrino, S	A	A	P
			05	Blanquart, G	A	A	P
			06	Shepherd, J	A	A	P
			07	Meiron, D	A	A	P
			08	Meiron, D	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	135 GTL	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	135 GTL	
Ae 103B	3-0-6	Dynamics and Control of Aircraft and Spacecraft	01	Chung, S	TR 10:30 - 11:55	133 GUG	
Ae/APh 104B	0-6-3	Experimental Methods	01	Gharib, M	A	A	G
Ae 105B	2-4-3	Aerospace Engineering	01	Pellegrino, S / Scharf, D / Ploen, S / Baker, J	TR 16:00 - 17:25	384 FIR	
Ae 121B	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	232 GUG	
Ae 150B	1-0-0	Aerospace Engineering Seminar	01	Meiron, D	M 13:00 - 13:55	133 GUG	P
EE/Ae 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Van Zyl, J	MW 14:30 - 15:55	107 ANB	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Bhattacharya, K	TR 14:30 - 15:55	135 GTL	
Ae/CE 165B	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	M 14:00 - 14:55	384 FIR	
					WF 09:00 - 09:55	384 FIR	

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AEROSPACE							
Ae 200	+	Advanced Research in Aerospace	01	Schneider, T	A	A	P
			02	Burdick, J	A	A	P
			03	Colonus, T	A	A	P
			04	Dimotakis, P	A	A	P
			05	Gharib, M	A	A	P
			06	Hornung, H	A	A	P
			07	Bhattacharya, K	A	A	P
			08	Leonard, A	A	A	P
			09	Murray, R	A	A	P
			10	Ortiz, M	A	A	P
			11	Pullin, D	A	A	P
			12	Ravichandran, G	A	A	P
			13	Rosakis, A	A	A	P
			14	McKeon, B	A	A	P
			15	Pellegrino, S	A	A	P
			16	Shepherd, J	A	A	P
			17	Blake, G	A	A	P
			18	Lapusta, N	A	A	P
			19	Troian, S	A	A	P
			20	Daraio, C	A	A	P
			21	Blanquart, G	A	A	P
			22	Kochmann, D	A	A	P
			23	Greer, J	A	A	P
			24	Gurnis, M	A	A	P
			25	Minnich, A	A	A	P
			26	Johnson, J	A	A	P
			27	Austin, J	A	A	P
			28	Kulkarni, S	A	A	P
			29	Chung, S	A	A	P
			30	Asimaki, D	A	A	P
			31	Chung, S	A	A	P
Ae 201A	3-0-6	Advanced Fluid Mechanics	01	Meiron, D	MWF 14:00 - 14:55	232 GUG	P

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AEROSPACE							
Ae 205A	2-4-3	Advanced Space Project	01	Pellegrino, S	W 16:00 - 17:55 R 16:00 - 17:25	233 GUG 384 FIR	
Ae 208B	1-0-0	GALCIT Colloquium	01	Austin, J / Chung, S	F 15:00 - 15:55	133 GUG	P
Ae 234A	3-0-6	Hypersonic Aerodynamics	01	Austin, J / Shepherd, J	TR 10:00 - 11:25	232 GUG	P
Ae 239A	3-0-6	Turbulence	01	Dimotakis, P	TR 13:00 - 14:25	133 GUG	P
Ae 240	+	Special Topics in Fluid Mechanics <i>Educational Exchange</i>	01	Meiron, D	A	A	P
Ae 241	3-3-3	Special Topics in Experimental Fluid and Solid Mechanics <i>first class meeting will be Monday 1/08/18</i>	01	Willert, C	W 16:00 - 17:25 F 09:00 - 10:25	133 GUG 133 GUG	
ANTHROPOLOGY							
An 014	3-0-6	Introduction to Sociocultural Anthropology <i>maximum enrollment: 30 students // previously numbered An 22, counts as Intro SS</i>	01	Ensminger, J	TR 14:30 - 15:55	B125 BAX	G
An 097	+	Undergraduate Research	01	Staff	A	A	P
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 15 students // Designated as Writing Intensive Course</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
APPLIED & COMPUTATIONAL MATH							
ACM095A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences <i>TAs will organize two office hours per week; there will be no formal sections due to extended lecture time.</i>	99	Zuev, K	MWF 11:00 - 12:15	119 KRK	

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APPLIED & COMPUTATIONAL MATH							
ACM100A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences <i>TAs will organize two office hours per week; there will be no formal sections due to extended lecture time.</i>	99	Zuev, K	MWF 11:00 - 12:15	119 KRK	
ACM101B	4-0-8	Methods of Applied Mathematics I	01	Bruno, O	TR 14:30 - 16:25	213 ANB	
ACM105	3-0-6	Applied Real and Functional Analysis	01	Hoffmann, F	MW 10:30 - 11:55	107 ANB	
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Lam, K	TR 13:00 - 14:25	105 ANB	
Ma/ACM 144B	3-0-6	Probability	01	Ivrii, O	MWF 13:00 - 13:55	122 Bldg 15	
ACM190	+	Reading and Independent Study	01	Bruno, O	A	A	P
			02	Meiron, D	A	A	P
			04	Hassibi, B	A	A	P
ACM216	3-0-6	Markov Chains, Discrete Stochastic Processes and Applications	01	Owhadi, H	TR 09:00 - 10:25	105 ANB	
ACM217	3-0-6	Advanced Topics in Stochastic Analysis: High-Dimensional Probability	01	Tropp, J	TR 10:30 - 11:55	213 ANB	
ACM270	3-1-5	Advanced Topics in Applied and Computational Math	01	Hou, Y	WF 10:30 - 11:55	314 ANB	
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P
			03	Desbrun, M	A	A	P
			04	Hou, Y	A	A	P
			05	Tropp, J	A	A	P
			06	Meiron, D	A	A	P
			07	Pierce, N	A	A	P
			08	Owhadi, H	A	A	P

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APPLIED & COMPUTATIONAL MATH							
ACM300	+	Research in Applied and Computational Mathematics	09	Schroeder, P	A	A	P
			10	Hassibi, B	A	A	P
			11	Beck, J	A	A	P
			12	Stuart, A	A	A	P
			13	Graber, T	A	A	P
APPLIED MECHANICS							
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	135 GTL	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151B	3-0-6	Dynamics and Vibrations	01	Daraio, C	TR 13:00 - 14:25	115 GTL	G
AM 300	+	Research in Applied Mechanics	02	Bhattacharya, K	A	A	P
			03	Andrade, J	A	A	P
			04	Avouac, J	A	A	P
			05	Murray, R	A	A	P
			06	Ortiz, M	A	A	P
			07	Phillips, R	A	A	P
			08	Ravichandran, G	A	A	P
			APPLIED PHYSICS				
APh023	2-0-4	Demonstration Lectures in Optics	01	Faraon, A	F 13:00 - 14:55	B280 MRE	
APh077B	0-9-0	Laboratory in Applied Physics	01	Bellan, P	OM,W 16:00 - 16:55	265 WAT	G
APh078B	+	Senior Thesis, Experimental	01	Faraon, A	A	A	P
			02	Scherer, A	A	A	P
			03	Phillips, R	A	A	P
			04	Painter, O	A	A	P
			05	Vahala, K	A	A	P

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APPLIED PHYSICS							
APh078B	+	Senior Thesis, Experimental	06	Atwater, H	A	A	P
			07	Bellan, P	A	A	P
			08	Troian, S	A	A	P
			09	Yung, Y	A	A	P
			10	Schwab, K	A	A	P
			11	Knutson, H	A	A	P
			12	Endres, M	A	A	P
APh079B	+	Senior Thesis, Theoretical	01	Goddard, W	A	A	P
			02	Troian, S	A	A	P
			03	Kimble, H	A	A	P
APh100	+	Advanced Work in Applied Physics	01	Atwater, H	A	A	P
			02	Faraon, A	A	A	P
			03	Painter, O	A	A	P
			04	Scherer, A	A	A	P
			05	Troian, S	A	A	P
			07	Roukes, M	A	A	P
			08	Yang, C	A	A	P
			09	Bellan, P	A	A	P
			10	Phillips, R	A	A	P
			11	Choo, H	A	A	P
			12	Minnich, A	A	A	P
			13	Kimble, H	A	A	P
			Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T
Ae/APh 104B	0-6-3	Experimental Methods	01	Gharib, M	A	A	G
APh109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	OM,R 16:00 - 16:55	104 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	104 WAT	P

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APPLIED PHYSICS							
APh200	+	Applied Physics Research	14	Alicea, J	A	A	P
			15	Hsieh, D	A	A	P
			16	Minnich, A	A	A	P
			17	Yang, C	A	A	P
			18	Gharib, M	A	A	P
			19	Painter, O	A	A	P
			20	Phillips, R	A	A	P
			21	Bernardi, M	A	A	P
			22	Kimble, H	A	A	P
			23	Roukes, M	A	A	P
			24	Nad Perge, S	A	A	P
			25	Scherer, A	A	A	P
			26	Hutzler, N	A	A	P
			27	Van Zyl, J	A	A	P
			28	Yeh, N	A	A	P
			30	Vahala, K	A	A	P
			31	Yariv, A	A	A	P
			32	Rosenbaum, T	A	A	P
						39	Motrunich, O
Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	
APh300	+	Thesis Research in Applied Physics	01	Faraon, A	A	A	P
			02	Bellan, P	A	A	P
			03	Flagan, R	A	A	P
			04	Refael, G	A	A	P
			05	Snyder, G	A	A	P
			06	Troian, S	A	A	P
			07	Fultz, B	A	A	P
			08	Schwab, K	A	A	P
			09	Desbrun, M	A	A	P
			10	Hsieh, D	A	A	P
						11	Faber, K

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APPLIED PHYSICS							
APh300	+	Thesis Research in Applied Physics	15	Phillips, R	A	A	P
			16	Daraio, C	A	A	P
			18	Roukes, M	A	A	P
			20	Scherer, A	A	A	P
			21	Chen, Y	A	A	P
			24	Vahala, K	A	A	P
			25	Yariv, A	A	A	P
			28	Painter, O	A	A	P
			29	Zmuidzinas, J	A	A	P
			30	Atwater, H	A	A	P
			31	Bernardi, M	A	A	P
ART HISTORY							
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	TR 13:00 - 14:25	128 BAX	G
ASTROPHYSICS							
Ay 021	3-0-6	Galaxies and Cosmology	01	Djorgovski, S	MW 13:00 - 13:55 F 13:00 - 13:55	Hameetman Aud CHL 219 CHL	
Ay 030	2-0-1	Introduction to Modern Research <i>Classes will be held in Faculty homes.</i>	01	Hillenbrand, L	T 19:00 - 19:55	A	P
Ay 043	+	Reading in Astronomy and Astrophysics	01	Staff	A	A	P
Ay 078B	+	Senior Thesis	01	Bock, J	A	A	P
			02	Fuller, J	A	A	P
			03	Hillenbrand, L	A	A	P
			04	Steidel, C	A	A	P
			05	Cohen, J	A	A	P
			06	Phinney, E	A	A	P
			07	Howard, A	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P

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ASTROPHYSICS							
Ay 078B	+	Senior Thesis	10	Harrison, F	A	A	P
			11	Hallinan, G	A	A	P
			12	Scoville, N	A	A	P
			13	Hopkins, P	A	A	P
			14	Djorgovski, S	A	A	P
			15	Knutson, H	A	A	P
			16	Kasliwal, M	A	A	P
			17	Mawet, D	A	A	P
Ay 101	3-2-6	Physics of Stars	01	Kirby, E	TR 09:00 - 10:25	219 CHL	
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 15:00 - 15:55	162 SMD	
Ay 122B	3-0-6	Astronomical Measurements and Instrumentation	01	Hallinan, G / Kulkarni, S	MF 14:00 - 15:25	219 CHL	
Ay 124	3-0-6	Structure and Dynamics of Galaxies	01	Hopkins, P	MW 10:30 - 11:55	219 CHL	
Ay 127	3-0-6	Cosmology and Galaxy Formation	01	Phinney, E / Steidel, C	TR 09:00 - 10:25	211 CHL	
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 13:00 - 13:55	162 SMD	
Ay 141B	1-0-2	Research Conference in Astronomy	01	Fuller, J	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Fuller, J	A	A	P
			02	Blake, G	A	A	P
			03	Harrison, F	A	A	P
			04	Brown, M	A	A	P
			05	Phinney, E	A	A	P
			06	Djorgovski, S	A	A	P
			07	Howard, A	A	A	P
			08	Kasliwal, M	A	A	P

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ASTROPHYSICS							
Ay 142	+	Research in Astronomy and Astrophysics	09	Hillenbrand, L	A	A	P
			10	Fuller, J	A	A	P
			11	Kulkarni, S	A	A	P
			12	Hallinan, G	A	A	P
			13	Martin, C	A	A	P
			14	Bock, J	A	A	P
			16	Prince, T	A	A	P
			17	Hopkins, P	A	A	P
			18	Kirby, E	A	A	P
			19	Sargent, A	A	A	P
			23	Steidel, C	A	A	P
			27	Stevenson, D	A	A	P
			28	Cohen, J	A	A	P
			29	Knutson, H	A	A	P
30	Mawet, D	A	A	P			
31	Batygin, K	A	A	P			
Ay 143	+	Reading and Independent Study	01	Sargent, A	A	A	P
			02	Kulkarni, S	A	A	P
			04	Hopkins, P	A	A	P
			06	Brown, M	A	A	P
			07	Blake, G	A	A	P
			08	Knutson, H	A	A	P
			09	Batygin, K	A	A	P
Ge/Ay 159	3-0-6	Planetary Evolution and Habitability <i>Covers general topics in Astrobiology</i>	01	Yung, Y	MWF 11:00 - 11:55	162 SMD	
Ay 215	3-0-6	Seminar in Theoretical Astrophysics	01	Kasliwal, M / Phinney, E	F 10:00 - 11:55	211 CHL	P
BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Clemons, W / Jensen, G	TR 10:30 - 11:55	115 BCK	G

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	A	A	P
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology <i>meets Wednesdays noon-1pm in BBB B180</i>	01	Hay, B	A	A	P
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Deshaies, R	A	A	P
			03	Rothmund, P	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			07	Greer, J	A	A	P
			08	Campbell, J	A	A	P
			09	Phillips, R	A	A	P
			10	Hay, B	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Phillips, R	A	A	P
			13	Parker, C	A	A	P
			14	Barton, J	A	A	P
			15	Heath, J	A	A	P
			16	Davidson, E	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P
			19	Mazmanian, S	A	A	P
			20	Shan, S	A	A	P
			21	Jensen, G	A	A	P
			22	Elowitz, M	A	A	P
			23	Dervan, P	A	A	P
			24	Dunphy, W	A	A	P
			25	Tirrell, D	A	A	P
			26	Patterson, P	A	A	P
			27	Meyerowitz, E	A	A	P

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BMB299	+	Graduate Research	28	Rothenberg, E	A	A	P
			29	Clemons, W	A	A	P
			30	Leadbetter, J	A	A	P
			31	Kennedy, M	A	A	P
			32	Lester, H	A	A	P
			33	Murray, R	A	A	P
			34	Mazmanian, S	A	A	P
			35	Baltimore, D	A	A	P
			36	Wang, Z	A	A	P
			37	Gharib, M	A	A	P
			38	Miller, T	A	A	P
			39	Sternberg, P	A	A	P
			40	Davis, M	A	A	P
			41	Pierce, N	A	A	P
			42	Gray, H	A	A	P
			43	Roukes, M	A	A	P
			44	Newman, D	A	A	P
			45	Cai, L	A	A	P
			46	Varshavsky, A	A	A	P
			47	Hoelz, A	A	A	P
			48	Goentoro, L	A	A	P
			49	Guttman, M	A	A	P
			50	Shapiro, M	A	A	P
			51	Ismagilov, R	A	A	P
			52	Meister, M	A	A	P
			53	Chan, D	A	A	P
			54	Zinn, K	A	A	P
			55	Ondrus, A	A	A	P
			56	Voorhees, R	A	A	P
			57	Winfree, E	A	A	P
			58	Wagenaar, D	A	A	P

BIOENGINEERING

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BIOENGINEERING							
BE 001	1-0-0	Frontiers in Bioengineering	01	Bois, J	M 12:00 - 12:55	B270 MRE	P
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	01	Arnold, F	A	A	P
			02	Mayo, S	A	A	P
			03	Burdick, J	A	A	P
			04	Kennedy, M	A	A	P
			05	Beauchamp, J	A	A	P
			06	Shimojo, S	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Lester, H	A	A	P
			10	Phillips, R	A	A	P
			11	Dervan, P	A	A	P
			12	Pierce, N	A	A	P
			13	Gradinaru, V	A	A	P
			14	Heath, J	A	A	P
			15	Guttman, M	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Shan, S	A	A	P
			22	Adolphs, R	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Bjorkman, P	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Ismagilov, R	A	A	P
			30	Kornfield, J	A	A	P
			31	Baltimore, D	A	A	P
			32	Davis, M	A	A	P

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BIOENGINEERING							
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	33	Sternberg, P	A	A	P
			36	Qian, L	A	A	P
			37	Shapiro, M	A	A	P
			38	Mazmanian, S	A	A	P
BE/Bi 106	3-0-6	Comparative Biomechanics	01	Dickinson, M	MWF 14:00 - 14:55	101 KRK	
ChE/BE/MedE 112	3-0-6	Design, Invention, and Fundamentals of Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	102 SPL	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	P
BE 159	3-0-6	Signal Transduction and Biomechanics in Eukaryotic Cell Morphogenesis <i>Office hours Fridays from 2:30-4 in 200 Broad</i>	01	Bois, J	F 10:00 - 10:55	16/17 BRN	
					MW 10:00 - 10:55	200 BRD	
			02	Bois, J	MW 10:00 - 10:55	200 BRD	
				F 11:00 - 11:55	16/17 BRN		
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Normally offered MW 1-2:30pm, due to special circumstances, moved to 2:30-4. If time change creates conflict, please contact course instructor. // Counts towards 'total biology units' requirement in the Biology undergraduate option.</i>	01	Bois, J	MW 14:30 - 15:55	115 GTL	
ChE/BE 163	3-0-9	Introduction to Biomolecular Engineering <i>Class will meet in SPL 106 on 1/16/18 only // class will meet in 147 Noyes for one time on Jan 23, 2018</i>	01	Pierce, N / Bois, J	TR 14:30 - 15:55	153 NYS	
Bi/BE 182	3-0-6	Animal Development and Genomic Regulatory Network Design	01	Stathopoulos, A / Peter Lashgari Faghani, I	TR 14:30 - 15:55	200 BRD	
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Pachter, L / Thomson, M	TR 10:30 - 11:55	119 KRK	

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BIOENGINEERING							
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	B270 MRE	G
BE/CS 196A	3-6-3	Design and Construction of Programmable Molecular Systems	01	Qian, L	TR 13:00 - 15:55	108 KCK	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Troian, S	A	A	P
			03	Burdick, J	A	A	P
			04	Rothmund, P	A	A	P
			05	Dervan, P	A	A	P
			06	Goentoro, L	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Heath, J	A	A	P
			10	Lester, H	A	A	P
			11	Guttman, M	A	A	P
			12	Pierce, N	A	A	P
			13	Meister, M	A	A	P
			14	Goddard, W	A	A	P
			15	Ismagilov, R	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Thomson, M	A	A	P
			22	Dickinson, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Shapiro, M	A	A	P
			29	Phillips, R	A	A	P

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	30	Mayo, S	A	A	P
			31	Sternberg, P	A	A	P
			32	Gradinaru, V	A	A	P
			33	Andersen, R	A	A	P
			34	Qian, L	A	A	P
			35	Kornfield, J	A	A	P
			37	Cai, L	A	A	P
			38	Hong, E	A	A	P
			39	Greer, J	A	A	P
			40	Pachter, L	A	A	P
			41	Mazmanian, S	A	A	P
BE 201	+	Reading the Bioengineering Literature <i>Required for first and second year BE grad students</i>	01	Winfree, E	A	A	P
Bi/BE 227	2-6-4	Methods in Modern Microscopy <i>Class will meet in 152 Braun on both 1/17/18 & 2/7/18</i>	01	Collazo, A	M 10:00 - 10:55 W 10:00 - 10:55	152 BRN 68 CHR	
BIOLOGY							
Bi 008	3-0-6	Introduction to Molecular Biology: Regulation of Gene Expression <i>Maximum enrollment: 30 students per section</i>	01	Guttman, M / Hong, E	TR 13:00 - 14:25 W 15:00 - 15:55	119 KRK 101 KRK	
			02	Guttman, M / Hong, E	TR 13:00 - 14:25 R 19:00 - 19:55	119 KRK 101 KRK	
			03	Guttman, M / Hong, E	TR 13:00 - 14:25 F 14:00 - 14:55	119 KRK 152 BRN	
Bi 022	+	Undergraduate Research	01	Chan, D	A	A	P
			02	Quartz, S	A	A	P
			03	Allman, J	A	A	P
			04	Anderson, D	A	A	P
			05	Parker, C	A	A	P
			06	Arnold, F	A	A	P
			07	Baltimore, D	A	A	P
			08	Sternberg, P	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	09	Lester, H	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Leadbetter, J	A	A	P
			13	Adolphs, R	A	A	P
			14	Shapiro, M	A	A	P
			15	Rothenberg, E	A	A	P
			16	Hay, B	A	A	P
			17	Cai, L	A	A	P
			18	Shan, S	A	A	P
			19	Campbell, J	A	A	P
			20	Clemons, W	A	A	P
			21	Stevenson, D	A	A	P
			22	Orphan, V	A	A	P
			23	Varshavsky, A	A	A	P
			24	Meyerowitz, E	A	A	P
			26	Winfrey, E	A	A	P
			27	Mazmanian, S	A	A	P
			28	Tirrell, D	A	A	P
			29	Shimojo, S	A	A	P
			30	Wold, B	A	A	P
			31	Sternberg, P	A	A	P
			32	Kennedy, M	A	A	P
			33	Newman, D	A	A	P
			34	Hsiao, E	A	A	P
			35	Gradinaru, V	A	A	P
			36	Peter Lashgari Faghani, I	A	A	P
			40	Goddard, W	A	A	P
			41	Stathopoulos, A	A	A	P
			42	Zinn, K	A	A	P
			43	Rangel, A	A	A	P
			45	Davis, M	A	A	P
			46	Murray, R	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	47	Jensen, G	A	A	P
			48	Elowitz, M	A	A	P
			49	Prober, D	A	A	P
			50	Bronner Hansen, M	A	A	P
			51	Aravin, A	A	A	P
			52	Aravin, A	A	A	P
			53	Clemons, W	A	A	P
			54	Mazmanian, S	A	A	P
			55	Newman, D	A	A	P
			56	Shan, S	A	A	P
Bi 023	1-0-2	Biology Tutorials <i>1:Axiomatic Perspectives in Systems Biology:Chemical Reaction Networks/2:Diseases of the Central Nervous System Through Clinical Cases/3:Nanorobotics/4:In-situ Structural Bio/5:Cancelled/6:Cancelled/7:Designing a Genetic System for Non-Model Microbes/8: Neurobiology of Insects</i>	01	Huang, A	F 14:00 - 15:55	216 MRE	P
			02	Huang, A / Robinson, J	W 12:00 - 12:55	101 KRK	P
			03	Huang, A / Tikhomirov, G	T 16:00 - 16:55	B101 BBB	P
			04	Huang, A / Kaplan, M	F 20:00 - 20:55	331 BRD	P
			05	Staff	A	A	P
			06	Staff	A	A	P
			07	Huang, A / Kulkarni, G	R 15:00 - 15:55	152 BRN	P
			08	Huang, A / Clark, M	T 10:30 - 11:25	1st Fl Conf BBB	P
Bi 090B	+	Undergraduate Thesis	01	Doyle, J / Bjorkman, P	A	A	P
			02	Wold, B / Bjorkman, P	A	A	P
			03	Sternberg, P / Bjorkman, P	A	A	P
			04	Lester, H / Bjorkman, P	A	A	P
			05	Newman, D / Bjorkman, P	A	A	P
			06	Anderson, D / Bjorkman, P	A	A	P
			07	Wold, B / Bjorkman, P	A	A	P
			09	Allman, J / Bjorkman, P	A	A	P
			10	Rothenberg, E / Bjorkman, P	A	A	P

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BIOLOGY							
Bi 090B	+	Undergraduate Thesis	11	Rangel, A / Bjorkman, P	A	A	P
			12	Gradinaru, V / Bjorkman, P	A	A	P
			13	Davis, M / Bjorkman, P	A	A	P
			14	Baltimore, D / Bjorkman, P	A	A	P
			15	Rothenberg, E / Bjorkman, P	A	A	P
			16	Hassibi, B / Bjorkman, P	A	A	P
			17	Bjorkman, P	A	A	P
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
Bi/Ge/ESE 105	3-4-5	Evolution <i>maximum enrollment: 15 students</i>	01	Orphan, V	TR 13:00 - 14:25	251 ARM	
BE/Bi 106	3-0-6	Comparative Biomechanics	01	Dickinson, M	MWF 14:00 - 14:55	101 KRK	
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C	TR 11:00 - 11:55 W 14:00 - 15:55	147 NYS 152 BRN	
Bi 114	3-0-6	Immunology	01	Mazmanian, S / Bjorkman, P	MW 13:30 - 14:55	200 BRD	
Bi 117	3-0-6	Developmental Biology	01	Bronner Hansen, M	F 19:00 - 19:55 TR 13:00 - 14:25	100 - Rock Auditorium BRD 100 - Rock Auditorium BRD	
Bi 145B	3-0-6	Tissue and Organ Physiology	01	Tydell, C	TR 19:00 - 20:25	152 BRN	
Bi/CNS/NB 162	2-7-3	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 18 students</i>	01	Bremner, L	F 13:00 - 16:25 OM,F 13:00 - 13:55	B160 CHR B160 CHR	
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Clemons, W / Jensen, G	TR 10:30 - 11:55	115 BCK	G
Bi/BE 182	3-0-6	Animal Development and Genomic Regulatory Network Design	01	Stathopoulos, A / Peter Lashgari Faghani, I	TR 14:30 - 15:55	200 BRD	

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BIOLOGY							
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Pachter, L / Thomson, M	TR 10:30 - 11:55	119 KRK	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	B270 MRE	G
Bi/BE 227	2-6-4	Methods in Modern Microscopy <i>Class will meet in 152 Braun on both 1/17/18 & 2/7/18</i>	01	Collazo, A	M 10:00 - 10:55 W 10:00 - 10:55	152 BRN 68 CHR	
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology <i>meets Wednesdays noon-1pm in BBB B180</i>	01	Hay, B	A	A	P
Bi 299	+	Graduate Research	01	Stathopoulos, A	A	A	P
			02	Lester, H	A	A	P
			03	Allman, J	A	A	P
			04	Andersen, R	A	A	P
			05	Anderson, D	A	A	P
			06	Varshavsky, A	A	A	P
			07	Mazmanian, S	A	A	P
			08	Baltimore, D	A	A	P
			09	Pachter, L	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Campbell, J	A	A	P
			13	Chan, D	A	A	P
			14	Thomson, M	A	A	P
			15	Deshaies, R	A	A	P
			16	Dickinson, M	A	A	P
			17	Clemons, W	A	A	P
			18	Dunphy, W	A	A	P
			19	Voorhees, R	A	A	P
			20	Goddard, W	A	A	P
			21	Hay, B	A	A	P
			22	Kennedy, M	A	A	P

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

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BIOLOGY							
Bi 299	+	Graduate Research	56	Tai, Y	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Burdick, J	A	A	P
			59	Meister, M	A	A	P
			60	Siapas, A	A	A	P
			61	Murray, R	A	A	P
			62	Gradinaru, V	A	A	P
			63	Qian, L	A	A	P
			64	Oka, Y	A	A	P
			65	Hsiao, E	A	A	P
			66	Shapiro, M	A	A	P
			67	Hong, E	A	A	P
			68	Ismagilov, R	A	A	P
			69	Phillips, R	A	A	P
70	Parker, J	A	A	P			
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
BEM103	3-0-6	Introduction to Finance	01	Jin, J	MW 13:00 - 14:25	B125 BAX	G
BEM104	3-0-6	Investments <i>maximum enrollment: 40 students</i>	01	Gillen, B	T 19:00 - 21:55	B125 BAX	
BEM110	3-0-6	Venture Capital	01	Ewens, M	MW 10:30 - 11:55	B125 BAX	G
BEM112	3-0-6	International Financial Markets <i>class cancelled</i>	01	Staff	A	A	
CHEMICAL ENGINEERING							
ChE010	1-0-0	Introduction to Chemical Engineering <i>Class meets in CRL 151 on 1/16/18 only</i>	01	Shapiro, M	T 12:00 - 12:55	153 NYS	P

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CHEMICAL ENGINEERING							
ChE062	3-0-6	Separation Processes	01	Seinfeld, J	MWF 13:00 - 13:55	106 SPL	G
ChE063A	3-0-6	Chemical Engineering Thermodynamics	01	Gavalas, G	MWF 14:00 - 14:55	106 SPL	G
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			02	Giapis, K	A	A	P
			03	Kornfield, J	A	A	P
			04	Haile, S	A	A	P
			05	Ismagilov, R	A	A	P
			06	Lewis, N	A	A	P
			07	Davis, M	A	A	P
			08	Grubbs, R	A	A	P
			09	Shapiro, M	A	A	P
			10	Goddard, W	A	A	P
			11	Hoelz, A	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			15	Shapiro, M	A	A	P
			34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			37	Heath, J	A	A	P
ChE090A	+	Senior Thesis	01	Heath, J	A	A	P
			02	Giapis, K	A	A	P
			03	Seinfeld, J	A	A	P
			04	Tirrell, D	A	A	P
			06	Flagan, R	A	A	P
			07	Gavalas, G	A	A	P
			08	Kornfield, J	A	A	P
			09	Davis, M	A	A	P
			10	Haile, S	A	A	P
			11	Wang, Z	A	A	P
			13	Brady, J	A	A	P

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CHEMICAL ENGINEERING							
ChE090A	+	Senior Thesis	14	Greer, J	A	A	P
			15	Cai, L / Arnold, F	A	A	P
			16	Grubbs, R	A	A	P
			17	Fu, G	A	A	P
			18	Atwater, H	A	A	P
ChE090B	0-4-5	Senior Thesis	01	Giapis, K	A	A	
			03	Kornfield, J	A	A	
			04	Arnold, F	A	A	
			05	Lewis, N	A	A	
			06	Flagan, R	A	A	
			08	Mayo, S	A	A	
			09	Ismagilov, R	A	A	
			10	Seinfeld, J	A	A	
11	Wang, Z	A	A				
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	101 SCH	G
ChE101	3-0-6	Chemical Reaction Engineering	01	Arnold, F	TR 13:00 - 14:25	106 SPL	
ChE103B	3-0-6	Transport Phenomena	01	Shapiro, M	MWF 10:00 - 10:55	106 SPL	
ChE/BE/MedE 112	3-0-6	Design, Invention, and Fundamentals of Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	102 SPL	
ChE114	3-3-3	Solid State NMR Spectroscopy for Materials Chemistry	01	Hwang, S	TR 14:30 - 15:55	102 SPL	
ChE118	3-0-6	Introduction to the Design of Chemical Systems	01	Vicic, M	MWF 15:00 - 15:55	102 SPL	G
ChE128	1-6-2	Chemical Engineering Design Laboratory <i>If unable to register, please contact instructor.</i>	01	Vicic, M / Giapis, K	M 12:00 - 12:55	113 SPL	G
					WF 09:00 - 11:55	122 SPL	

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CHEMICAL ENGINEERING							
Ch/ChE 140B	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry <i>pre-requisite: Ch/ChE 140a</i>	01	Lewis, N	TR 13:00 - 14:25	216 NYS	
Ch/ChE 147	3-0-6	Polymer Chemistry <i>On 1/16/18 class meets in location TBA.</i>	01	Grubbs, R	TR 10:30 - 11:55	153 NYS	G
ChE151A	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 09:00 - 09:55	102 SPL	G
ChE/BE 163	3-0-9	Introduction to Biomolecular Engineering <i>Class will meet in SPL 106 on 1/16/18 only // class will meet in 147 Noyes for one time on Jan 23, 2018</i>	01	Pierce, N / Bois, J	TR 14:30 - 15:55	153 NYS	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Murray, R	A	A	P
			03	Haile, S	A	A	P
			04	Stoltz, B	A	A	P
			05	Pierce, N	A	A	P
			06	Dougherty, D	A	A	P
			07	Brady, J	A	A	P
			08	Atwater, H	A	A	P
			09	Elowitz, M	A	A	P
			10	Davis, M	A	A	P
			11	Greer, J	A	A	P
			12	Fultz, B	A	A	P
			13	Flagan, R	A	A	P
			14	See, K	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	Miller, T	A	A	P
			19	Shapiro, M	A	A	P

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	20	Hoffmann, M	A	A	P
			21	Kornfield, J	A	A	P
			22	Robb, M	A	A	P
			23	Lewis, N	A	A	P
			36	Tirrell, D	A	A	P
			37	Wang, Z	A	A	P
			40	Seinfeld, J	A	A	P
			41	Heath, J	A	A	P
			46	Ismagilov, R	A	A	P
			47	Guttman, M	A	A	P
CHEMISTRY							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	01	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 151 CRL	P
			02	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 119 KRK	P
			03	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 19:00 - 19:55	Lecture Hall BAX 119 KRK	P
			04	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 147 NYS	P
			05	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 18:00 - 18:55	Lecture Hall BAX 151 CRL	P
			06	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 19:00 - 19:55	Lecture Hall BAX 153 NYS	P
			07	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX B127 GCL	P
			08	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 18:00 - 18:55	Lecture Hall BAX 115 BCK	P
			09	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 15:00 - 15:55	Lecture Hall BAX 151 CRL	P
			10	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 13:00 - 13:55	Lecture Hall BAX B127 GCL	P
			11	Miller, T / Reisman, S	MTR 11:00 - 11:55	Lecture Hall BAX	P

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CHEMISTRY							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	11	Miller, T / Reisman, S	W 22:00 - 22:55	B127 GCL	P
			12	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 19:00 - 19:55	Lecture Hall BAX 151 CRL	P
Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>Maximum enrollment: 20 students per section//Section 3 reserved for freshmen</i>	01	Mendez, J	F 13:00 - 13:55 T 08:00 - 10:55	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 W 19:00 - 21:55	153 NYS 107 MEAD	P
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Maximum Enrollment: 20 students per section</i>	01	Mendez, J	F 09:00 - 09:55 W 13:00 - 15:55	147 NYS 107 MEAD	P
			02	Mendez, J	F 09:00 - 09:55 R 08:00 - 10:55	147 NYS 107 MEAD	P
Ch 004A	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>The instructor will contact the students by email before the start of the term to assign two lab sections. //Lab sections available Tuesday 8-11 and 1-4, and Thursday 8-11am and 1-4pm.</i>	01	Mendez, J	F 11:00 - 11:55	147 NYS	
Ch 005A	1-9-2	Advanced Techniques of Synthesis and Analysis <i>Lab times available MF 8am-5pm and W 1-5pm</i>	01	Grubbs, R	A	MEAD	
Ch 006A	1-6-3	Physical and Biophysical Chemistry Laboratory	01	Weitekamp, D	F 15:00 - 15:55	151 CRL	
Ch 010B	1-0-0	Frontiers in Chemistry <i>Lab Hours TBA</i>	01	Dervan, P / Hoelz, A	R 12:00 - 12:55	147 NYS	P
Ch 021B	3-0-6	Physical Chemistry	01	Blake, G	MWF 13:00 - 13:55	147 NYS	G
Ch 041B	3-0-6	Organic Chemistry	01	Hsieh-Wilson, L	MWF 09:00 - 09:55	153 NYS	
					MT 19:00 - 20:55	151 CRL	

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CHEMISTRY							
Ch 080	+	Chemical Research	01	Dervan, P	A	A	P
			02	Hsieh-Wilson, L	A	A	P
			03	Barton, J	A	A	P
			04	Beauchamp, J	A	A	P
			05	Grubbs, R	A	A	P
			06	Goddard, W	A	A	P
			07	Marcus, R	A	A	P
			08	Shan, S	A	A	P
			09	Bercaw, J	A	A	P
			10	Heath, J	A	A	P
			11	Agapie, T	A	A	P
			12	Davis, M	A	A	P
			13	Chan, G	A	A	P
			14	Shapiro, M	A	A	P
			15	Arnold, F	A	A	P
			16	Haile, S	A	A	P
			17	Gray, H	A	A	P
			18	Virgil, S	A	A	P
			20	Kornfield, J	A	A	P
			21	Rossmann, G	A	A	P
			27	Okumura, M	A	A	P
			29	Peters, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Reisman, S	A	A	P
			38	Weitekamp, D	A	A	P
			39	Lewis, N	A	A	P
			40	Rees, D	A	A	P
			41	Hoelz, A	A	A	P
			42	Fu, G	A	A	P
			43	Dougherty, D	A	A	P
			44	Hoffmann, M	A	A	P
			45	Holst, M	A	A	P

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CHEMISTRY							
Ch 080	+	Chemical Research	46	Clemons, W	A	A	P
Ch 081	+	Independent Reading in Chemistry	02	Reisman, S	A	A	P
			03	Hoelz, A	A	A	P
			04	Gray, H	A	A	P
			06	Goddard, W	A	A	P
			22	Lewis, N	A	A	P
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01	Rees, D / Okumura, M	A	A	P
			02	Shapiro, M / Okumura, M	A	A	P
			03	Okumura, M / Hoelz, A	A	A	P
			04	Grubbs, R / Okumura, M	A	A	P
			05	Agapie, T / Okumura, M	A	A	P
			06	Peters, J / Okumura, M	A	A	P
			07	Tirrell, D / Okumura, M	A	A	P
			08	Stoltz, B / Okumura, M	A	A	P
			09	Gray, H / Okumura, M	A	A	P
			10	Asimow, P / Okumura, M	A	A	P
			11	Dougherty, D / Okumura, M	A	A	P
			12	Hoelz, A / Okumura, M	A	A	P
			13	Rossmann, G / Okumura, M	A	A	P
Ch 090	2-0-1	Oral Presentation	01	Bikle, K	T 09:00 - 10:55	151 CRL	P
			02	Bikle, K	W 10:00 - 11:55	151 CRL	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	101 SCH	G
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C	TR 11:00 - 11:55	147 NYS	
					W 14:00 - 15:55	152 BRN	
Ch 120B	1-1-7	Nature of the Chemical Bond	01	Goddard, W	W 15:00 - 15:55	115 BCK	

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CHEMISTRY							
Ch 121A	3-0-6	Atomic-Level Simulations of Materials and Molecules	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch 125B	3-0-6	The Elements of Quantum Chemistry	01	Miller, T / Chan, G	MWF 13:00 - 13:55	151 CRL	
Ch/ChE 140B	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry <i>pre-requisite: Ch/ChE 140a</i>	01	Lewis, N	TR 13:00 - 14:25	216 NYS	
Ch 145	3-0-6	Bioorganic Chemistry of Proteins	01	Ondrus, A	TR 14:00 - 14:55 F 14:00 - 14:55	151 CRL 101 SCH	G
Ch/ChE 147	3-0-6	Polymer Chemistry <i>On 1/16/18 class meets in location TBA.</i>	01	Grubbs, R	TR 10:30 - 11:55	153 NYS	G
Ch 153A	3-0-6	Advanced Inorganic Chemistry	01	Gray, H / Winkler, J	F 10:00 - 11:55	B127 GCL	
Ch 154A	3-0-6	Organometallic Chemistry	01	Peters, J	TR 13:00 - 14:25	147 NYS	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Clemons, W / Jensen, G	TR 10:30 - 11:55	115 BCK	G
ESE/Ch 175	3-0-6	Physical Chemistry of Engineered Waters	01	Hoffmann, M	MWF 10:00 - 10:55	135 L+R	
Ch 180	+	Chemical Research	01 02 03 04	Agapie, T Gray, H Giapis, K Goddard, W	A A A A	A A A A	P P P P
Ch 182	+	Senior Thesis Research <i>9 units per term</i>	01	Goddard, W	A	A	P
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from</i>	01	Clemons, W	A	A	P

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CHEMISTRY							
Ch 213B	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	G
Ch 242B	3-0-6	Chemical Synthesis	01	Virgil, S	MWF 10:00 - 10:55	147 NYS	
Ch 280	+	Chemical Research	01	Arnold, F	A	A	P
			02	Bjorkman, P	A	A	P
			03	Barton, J	A	A	P
			04	Beauchamp, J	A	A	P
			05	Bercaw, J	A	A	P
			06	Blake, G	A	A	P
			07	Chan, G	A	A	P
			08	Cai, L	A	A	P
			09	Fu, G	A	A	P
			10	Davis, M	A	A	P
			11	Dervan, P	A	A	P
			12	Dougherty, D	A	A	P
			13	Goentoro, L	A	A	P
			14	Miller, T	A	A	P
			15	Reisman, S	A	A	P
			16	Goddard, W	A	A	P
			17	Gray, H	A	A	P
			18	Grubbs, R	A	A	P
			19	Hsieh-Wilson, L	A	A	P
			20	Kornfield, J	A	A	P
			21	Wang, Z	A	A	P
			22	Lewis, N	A	A	P
			23	Atwater, H	A	A	P
			24	Marcus, R	A	A	P
			25	Mayo, S	A	A	P
			26	Clemons, W	A	A	P
			27	Okumura, M	A	A	P
			28	Ismagilov, R	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	29	Peters, J	A	A	P
			30	Rees, D	A	A	P
			31	Haile, S	A	A	P
			32	Sternberg, P	A	A	P
			33	Newman, D	A	A	P
			34	Seinfeld, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Ondrus, A	A	A	P
			38	Weitekamp, D	A	A	P
			39	Blanquart, G	A	A	P
			40	Greer, J	A	A	P
			41	Atwater, H	A	A	P
			42	Lester, H	A	A	P
			43	Campbell, J	A	A	P
			44	Pierce, N	A	A	P
			45	Asimow, P	A	A	P
			46	Wennberg, P	A	A	P
			47	Heath, J	A	A	P
			48	Elowitz, M	A	A	P
			49	Shan, S	A	A	P
			50	Agapie, T	A	A	P
			51	Hoelz, A	A	A	P
			52	Deshaies, R	A	A	P
			53	Shapiro, M	A	A	P
			54	Jensen, G	A	A	P
			55	Adkins, J	A	A	P
			56	See, K	A	A	P
			57	Tai, Y	A	A	P
CIVIL ENGINEERING							
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonius, T	MWF 10:00 - 10:55	135 GTL	G

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CIVIL ENGINEERING							
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	135 GTL	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151B	3-0-6	Dynamics and Vibrations	01	Daraio, C	TR 13:00 - 14:25	115 GTL	G
Ae/CE 165B	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	M 14:00 - 14:55 WF 09:00 - 09:55	384 FIR 384 FIR	
CE 181A	3-0-6	Engineering Seismology <i>class cancelled</i>	01	Staff	A	A	P
CE 200	+	Advanced Work in Civil Engineering	01	Hall, J	A	A	P
CE 300	+	Research in Civil Engineering	01	Asimaki, D	A	A	P
			02	Hall, J	A	A	P
			04	Heaton, T	A	A	P
			05	Lapusta, N	A	A	P
			06	Andrade, J	A	A	P
COMPUTATION & NEURAL SYS							
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
CMS/CS/CNS/EE 155	3-3-6	Machine Learning Data Mining	01	Yue, Y	TR 14:30 - 15:55	Ramo Auditorium BAX	
Bi/CNS/NB 162	2-7-3	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 18 students</i>	01	Bremner, L	F 13:00 - 16:25 OM,F 13:00 - 13:55	B160 CHR B160 CHR	
CNS180	+	Research in Computation and Neural Systems	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Perona, P	A	A	P
			04	Fraser, S	A	A	P
			05	Oka, Y	A	A	P

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COMPUTATION & NEURAL SYS										
CNS180	+	Research in Computation and Neural Systems	06	Hoffmann, M	A	A	P			
			07	Allman, J	A	A	P			
			08	Lester, H	A	A	P			
			09	Hong, E	A	A	P			
			10	Pachter, L	A	A	P			
			11	Murray, R	A	A	P			
			12	Allman, J	A	A	P			
			13	Gradinaru, V	A	A	P			
			14	Shimojo, S	A	A	P			
			15	Tsao, D	A	A	P			
			16	Wold, B	A	A	P			
			17	Winfree, E	A	A	P			
			18	Rangel, A	A	A	P			
			19	Siapas, A	A	A	P			
			20	Prober, D	A	A	P			
			21	Patterson, P	A	A	P			
			22	Andersen, R	A	A	P			
			23	Elowitz, M	A	A	P			
			24	Anderson, D	A	A	P			
			25	Adolphs, R	A	A	P			
			26	Kennedy, M	A	A	P			
			27	Quartz, S	A	A	P			
			28	O'Doherty, J	A	A	P			
			29	Camerer, C	A	A	P			
			30	Meister, M	A	A	P			
			31	Shapiro, M	A	A	P			
			32	Yue, Y	A	A	P			
			33	Thomson, M	A	A	P			
			BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	B270 MRE	G
			CNS/SS 251	2-1-6	Human Brain Mapping: Theory and Practice <i>Maximum enrollment: 20 students</i>	01	O'Doherty, J	R 13:30 - 15:25	106 ANB	G

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COMPUTATION & NEURAL SYS							
CNS280	+	Research in Computation and Neural Systems	01	Meister, M	A	A	P
			02	Elowitz, M	A	A	P
			03	Andersen, R	A	A	P
			04	Oka, Y	A	A	P
			05	Winfree, E	A	A	P
			06	Siapas, A	A	A	P
			07	Quartz, S	A	A	P
			08	Adolphs, R	A	A	P
			09	Murray, R	A	A	P
			10	Tsao, D	A	A	P
			11	Konishi, M	A	A	P
			12	Scherer, A	A	A	P
			13	Camerer, C	A	A	P
			14	Sternberg, P	A	A	P
			15	Perona, P	A	A	P
			16	Allman, J	A	A	P
			17	Gradinaru, V	A	A	P
			18	Pachter, L	A	A	P
			19	Bruck, J	A	A	P
			20	Burdick, J	A	A	P
			21	Shimojo, S	A	A	P
			22	Lester, H	A	A	P
			23	Wold, B	A	A	P
			24	Dickinson, M	A	A	P
			25	Hoffmann, M	A	A	P
			26	Rangel, A	A	A	P
			28	O'Doherty, J	A	A	P
			SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Sherman, R / Adolphs, R
COMPUTER SCIENCE							
CS 002	2-6-1	Introduction to Programming Methods	01	Desbrun, M	MWF 14:00 - 14:55	105 ANB	P

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COMPUTER SCIENCE							
CS 004	3-4-2	Fundamentals of Computer Programming	01	Vanier, M	MWF 15:00 - 15:55	105 ANB	G
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Durcik, P	MWF 13:00 - 13:55	B122 GCL	
CS 009	1-0-0	Introduction to Computer Science Research	01	Ralph, C	W 19:00 - 19:55	105 ANB	P
CS 011	0-3-0	Computer Language Lab <i>CS 1 or instructor's permission is required. // Sec 1: C // Sec 5: Javascript // Sec 11: Special Topics // Sec 12: Projects</i>	01	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			05	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			11	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			12	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
CS 021	3-0-6	Decidability and Tractability	01	Umans, C	MWF 13:00 - 13:55	105 ANB	G
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:00 - 16:55	B270 MRE	
CS 080B	+	Undergraduate Thesis	01	Chandy, K	A	A	P
			02	Wierman, A	A	A	P
			03	Schroeder, P	A	A	P
			04	Winfree, E	A	A	P
			05	Barr, A	A	A	P
			06	Murray, R	A	A	P
			07	Vidick, T	A	A	P
			08	Yue, Y	A	A	P
			09	Perona, P	A	A	P
			10	Umans, C	A	A	P
			11	Schulman, L	A	A	P
			12	Desbrun, M	A	A	P
			13	Bruck, J	A	A	P
			14	Chung, S	A	A	P
			15	Virgil, S	A	A	P
			16	Katz, N	A	A	P

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COMPUTER SCIENCE							
CS 081B	+	Undergraduate Projects in Computer Science	01	Pinkston, D	A	A	P
			02	Winfree, E	A	A	P
			03	Barr, A	A	A	P
			04	Chandy, K	A	A	P
			05	Mahabal, A	A	A	P
			06	Wierman, A	A	A	P
			07	Desbrun, M	A	A	P
			08	Rangel, A	A	A	P
			09	Vanier, M	A	A	P
			10	Perona, P	A	A	P
			11	Murray, R	A	A	P
			12	Adolphs, R	A	A	P
			13	Umans, C	A	A	P
			14	Burdick, J	A	A	P
			15	Low, S	A	A	P
			16	Plott, C	A	A	P
			17	Yue, Y	A	A	P
			18	Hassibi, B	A	A	P
			19	Djorgovski, S	A	A	P
			20	Schroeder, P	A	A	P
			21	Alvarez, R	A	A	P
			22	Stalzer, M	A	A	P
			23	Ralph, C	A	A	P
			24	George, G	A	A	P
			25	Vidick, T	A	A	P
			26	Schulman, L	A	A	P
			27	Bunn, J	A	A	P
			28	Preskill, J	A	A	P
CS 090	+	Undergraduate Reading in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Low, S	A	A	P
			04	Schroeder, P	A	A	P
			05	Winfree, E	A	A	P
			06	Umans, C	A	A	P

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COMPUTER SCIENCE							
CS 090	+	Undergraduate Reading in Computer Science	07	Desbrun, M	A	A	P
			08	Barr, A	A	A	P
			10	Perona, P	A	A	P
			11	Chandy, K	A	A	P
			13	Murray, R	A	A	P
			14	Wierman, A	A	A	P
			15	Vanier, M	A	A	P
			16	Yue, Y	A	A	P
			17	Ralph, C	A	A	P
CS 101B	2-0-7	Special Topics in Computer Science: Projects in Machine Learning Part 2 <i>units (0-9-0)</i>	01	Yue, Y / Tamuz, O	OM,F 13:00 - 13:55	213 ANB	
CS 102B	+	Seminar in Computer Science	01	Staff	A	A	
CS 103B	+	Reading in Computer Science	01	Staff	A	A	P
CS 111	0-3-0	Programming Practicum <i>Sec 1: C // Sec 5: Javascript // Sec 11: Special Topics // Sec 12: Projects</i>	01	Vanier, M / Pinkston, D	OM,W 21:00 - 21:55	105 ANB	P
			05	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			11	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
			12	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
CS 122	3-3-3	Database System Implementation	01	Pinkston, D	MWF 11:00 - 11:55	213 ANB	
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 080 Moore 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	B280 MRE	G
ME/CS 133B	3-0-6	Robotics	01	Burdick, J	MWF 15:00 - 15:55	135 GTL	
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	MW 13:00 - 14:25	243 ANB	

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COMPUTER SCIENCE							
CMS/CS 139	3-0-9	Analysis and Design of Algorithms	01	Vidick, T	MW 09:00 - 10:25	213 ANB	
CS 141	1-6-2	Hack Society: Projects from the Public Sector <i>maximum enrollment: 20 students</i>	01	Ralph, C	T 13:00 - 13:55	213 ANB	
CMS/CS/EE 144	3-3-6	Networks: Structure Economics	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
CS/EE 146	3-3-3	Advanced Networking <i>course cancelled</i>	01	Staff	A	A	
CS/SS/EC 149	3-0-6	Algorithmic Economics	01	Echenique, F / Pomatto, L	MWF 10:00 - 10:55	127 BAX	G
CMS/CS/CNS/EE 155	3-3-6	Machine Learning Data Mining	01	Yue, Y	TR 14:30 - 15:55	Ramo Auditorium BAX	
CS 177B	3-3-3	Discrete Differential Geometry: Theory and Applications	01	Schroeder, P	TR 10:30 - 11:55	314 ANB	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			04	Chandy, K	A	A	P
			05	Desbrun, M	A	A	P
			06	Kitaev, A	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Yariv, A	A	A	P
			10	Barr, A	A	A	P
			11	Schroeder, P	A	A	P
			12	Wierman, A	A	A	P
			13	Winfree, E	A	A	P
			14	Wold, B	A	A	P
			15	Krause, R	A	A	P
			17	Perona, P	A	A	P
			18	Ligett, K	A	A	P

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COMPUTER SCIENCE							
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Pachter, L / Thomson, M	TR 10:30 - 11:55	119 KRK	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	B270 MRE	G
BE/CS 196A	3-6-3	Design and Construction of Programmable Molecular Systems	01	Qian, L	TR 13:00 - 15:55	108 KCK	
Ph/CS 219B	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	103 DWN	P
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			03	Barr, A	A	A	P
			04	Chandy, K	A	A	P
			05	Desbrun, M	A	A	P
			06	Cvitanic, J	A	A	P
			07	Winfree, E	A	A	P
			08	Low, S	A	A	P
			09	Martin, A	A	A	P
			10	Winfree, E	A	A	P
			11	Perona, P	A	A	P
			12	Schroeder, P	A	A	P
			13	Chandrasekaran, V	A	A	P
			14	Kitaev, A	A	A	P
			15	Wierman, A	A	A	P
			16	Ligett, K	A	A	P
			17	Doyle, J	A	A	P
			18	Murray, R	A	A	P
			19	Vidick, T	A	A	P
			20	Yue, Y	A	A	P
CS 286B	3-0-0	Seminar In Computer Science	01	Vidick, T	T 16:30 - 17:25	213 ANB	P

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COMPUTING AND MATHEMATICAL SCIENCES							
CMS/CS 139	3-0-9	Analysis and Design of Algorithms	01	Vidick, T	MW 09:00 - 10:25	213 ANB	
CMS/CS/EE 144	3-3-6	Networks: Structure Economics	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
CMS/CS/CNS/EE 155	3-3-6	Machine Learning Data Mining	01	Yue, Y	TR 14:30 - 15:55	Ramo Auditorium BAX	
CMS290B	1-0-0	Computing and Mathematical Sciences Colloquium	01	Tropp, J	M 16:00 - 16:55	105 ANB	P
CMS300	+	Research in Computing and Mathematical Sciences	01	Wierman, A	A	A	P
			02	Vidick, T	A	A	P
			03	Beck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Doyle, J	A	A	P
			06	Murray, R	A	A	P
			07	Owhadi, H	A	A	P
			08	Barr, A	A	A	P
			09	Chandrasekaran, V	A	A	P
			10	Desbrun, M	A	A	P
			11	Low, S	A	A	P
			12	Perona, P	A	A	P
			13	Schroeder, P	A	A	P
			14	Schulman, L	A	A	P
			15	Umans, C	A	A	P
			16	Winfrey, E	A	A	P
			17	Yue, Y	A	A	P
			18	Chung, S	A	A	P
			19	Pachter, L	A	A	P
CONTROL & DYNAMICAL SYSTEMS							
CDS090B	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Doyle, J	A	A	G

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CONTROL & DYNAMICAL SYSTEMS										
CDS190	+	Independent Work in Control and Dynamical Systems	01	Staff	A	A	P			
CDS232	3-0-6	Nonlinear Dynamics	01	Ames, A	MWF 11:00 - 12:25	135 GTL				
CDS270	+	Advanced Topics in Systems and Control: Introduction to Astrodynamics <i>units by arrangement</i>	01	Campagnola, S	TR 09:00 - 10:25	213 ANB				
CDS300B	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P			
			02	Adolphs, R	A	A	P			
			03	Doyle, J	A	A	P			
			04	Owhadi, H	A	A	P			
			05	Siapas, A	A	A	P			
			06	Goentoro, L	A	A	P			
			07	Dickinson, M	A	A	P			
			08	Murray, R	A	A	P			
			11	Elowitz, M	A	A	P			
			12	Desbrun, M	A	A	P			
			13	Ortiz, M	A	A	P			
			14	Beck, J	A	A	P			
			16	Ames, A	A	A	P			
			17	Chung, S	A	A	P			
			ECONOMICS							
			Ec 011	3-2-4	Introduction to Economics	01	Rangel, A	TR 13:00 - 14:25	Lecture Hall BAX	
			Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
02	Agranov, M	A				A	P			
Ec 098B	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P			

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ECONOMICS							
Ec 101	3-0-6	Selected Topics in Economics: Machine Learning and Finance <i>maximum enrollment: 10 students</i>	01	Gingrich, R	R 18:30 - 21:25	127 BAX	G
Ec 121B	3-0-6	Theory of Value <i>maximum enrollment: 15 students</i>	01	Saito, K	TR 13:00 - 14:25	127 BAX	G
Ec/SS 124	3-0-6	Identification Problems in the Social Sciences <i>maximum enrollment: 30 students</i>	01	Sherman, R	TR 13:00 - 14:25	B125 BAX	
CS/SS/Ec 149	3-0-6	Algorithmic Economics	01	Echenique, F / Pomatto, L	MWF 10:00 - 10:55	127 BAX	G
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260// Completion of Ec/PS 160A required for b and c classes //Max of 10 students for both Ec 160 & SS 260</i>	01	Plott, C	MW 13:00 - 13:55	127 BAX	G
PS/Ec 172	3-0-6	Game Theory	01	Tamuz, O	TR 14:30 - 15:55	Lecture Hall BAX	G
Ec 181	3-0-6	Convex Analysis and Economic Theory	01	Border, K	TR 10:30 - 11:55	228 BAX	G
ELECTRICAL ENGINEERING							
EE 001	1-0-0	Introduction to Electrical Engineering Seminar	01	Hajimiri, S	W 12:00 - 12:55	B270 MRE	P
EE 010A	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	WF 15:00 - 15:55	B270 MRE	
EE 045	3-3-6	Electronics Laboratory	01	Emami, A	TR 09:00 - 10:25	B270 MRE	
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:00 - 16:55	B270 MRE	
EE 080B	+	Senior Thesis	01 02 03	Hajimiri, S Effros, M Doyle, J	A A A	A A A	P P P

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ELECTRICAL ENGINEERING							
EE 080B	+	Senior Thesis	04	Tai, Y	A	A	P
			05	Hassibi, B	A	A	P
EE 091B	+	Experimental Projects in Electronic Circuits <i>Units by arrangement; 12 units minimum each term.</i>	01	Megdall, B	OM,R 16:00 - 16:55	B270 MRE	
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Perona, P	A	A	P
			03	George, G	A	A	P
			04	Atwater, H	A	A	P
			05	Murray, R	A	A	P
			06	Emami, A	A	A	P
			07	Gharib, M	A	A	P
			08	Low, S	A	A	P
			09	Yang, C	A	A	P
			10	Hajimiri, S	A	A	P
			11	Burdick, J	A	A	P
			12	Tai, Y	A	A	P
			13	Yariv, A	A	A	P
			14	Bruck, J	A	A	P
			15	Choo, H	A	A	P
			16	Hassibi, B	A	A	P
			17	Wang, L	A	A	P
EE 105B	1-0-0	Electrical Engineering Seminar	01	Hajimiri, S	A	A	P
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Lam, K	TR 13:00 - 14:25	105 ANB	
EE 112	3-0-6	Introduction to Digital Signal Processing	01	Vaidyanathan, P	TR 13:00 - 14:25	B270 MRE	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	P

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ELECTRICAL ENGINEERING							
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 080 Moore 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	B280 MRE	G
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	MW 13:00 - 14:25	243 ANB	
CMS/CS/EE 144	3-3-6	Networks: Structure Economics	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
CS/EE 146	3-3-3	Advanced Networking <i>course cancelled</i>	01	Staff	A	A	
EE 150	0-0-0	Topics in Electrical Engineering <i>course cancelled</i>	01	Staff	A	A	
CMS/CS/CNS/EE 155	3-3-6	Machine Learning Data Mining	01	Yue, Y	TR 14:30 - 15:55	Ramo Auditorium BAX	
EE/Ae 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Van Zyl, J	MW 14:30 - 15:55	107 ANB	
EE 163A	3-0-6	Communication Theory	01	Lahouti, F	MW 14:30 - 15:55	B280 MRE	
EE 291	+	Advanced Work in Electrical Engineering	01	Abu-Mostafa, Y	A	A	P
			02	Kostina, V	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Heath, J	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Vahala, K	A	A	P
			09	George, G	A	A	P
			10	Haile, S	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hassibi, B	A	A	P
			13	Zmuidzinas, J	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	14	Low, S	A	A	P
			15	McEliece, R	A	A	P
			16	Atwater, H	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Gharib, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Choo, H	A	A	P
			22	Phillips, R	A	A	P
			23	Cvitanić, J	A	A	P
			24	Quartz, S	A	A	P
			25	Rutledge, D	A	A	P
			26	Scherer, A	A	A	P
			27	Pellegrino, S	A	A	P
			28	Tai, Y	A	A	P
			29	Vaidyanathan, P	A	A	P
			30	Yariv, A	A	A	P
			31	Chandrasekaran, V	A	A	P
			32	Roukes, M	A	A	P
			33	Avouac, J	A	A	P
			34	Weinreb, S	A	A	P
			35	Hallinan, G	A	A	P
			36	Martin, A	A	A	P
			37	Yang, C	A	A	P
			38	Emami, A	A	A	P
			39	Painter, O	A	A	P
			40	Faraon, A	A	A	P
			41	Lahouti, F	A	A	P
			42	Minnich, A	A	A	P
			43	Rees, D	A	A	P
			44	Yue, Y	A	A	P
			45	Van Zyl, J	A	A	P
			46	Shapiro, M	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	47	Wang, L	A	A	P
			48	Tsao, D	A	A	P
ENERGY SCIENCE AND TECHNOLOGY							
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	MW 13:00 - 14:25	243 ANB	
ENGINEERING							
E 002	1-0-0	Frontiers in Engineering and Applied Science <i>Focus on Applied Physics and Materials Science</i>	01	Vahala, K	W 12:00 - 12:55	105 ANB	P
E 010	1-0-2	Technical Seminar Presentations <i>Maximum Enrollment: 6 students per section</i>	01	Fender, A	OM,TR 19:00 - 19:55 M 09:00 - 09:55	142 KCK	G
			02	Fender, A	OM,TR 19:00 - 19:55 M 10:00 - 10:55	142 KCK	G
			03	Fender, A	OM,TR 19:00 - 19:55 M 11:00 - 11:55	142 KCK	G
			04	Fender, A	OM,TR 19:00 - 19:55 W 09:00 - 09:55	142 KCK	G
			05	Fender, A	OM,TR 19:00 - 19:55 W 10:00 - 10:55	142 KCK	G
			06	Fender, A	OM,TR 19:00 - 19:55 W 11:00 - 11:55	142 KCK	G
			07	Fender, A	OM,TR 19:00 - 19:55 F 09:00 - 09:55	142 KCK	G
			08	Fender, A	OM,TR 19:00 - 19:55 F 10:00 - 10:55	142 KCK	G
			09	Fender, A	OM,TR 19:00 - 19:55 F 11:00 - 11:55	142 KCK	G
			E 011	1-0-2	Written Technical Communication in Engineering and Applied Science <i>Limited to seniors in E&AS only // Maximum enrollment: 20 students per section</i>	01	Burkett, E
02	Burkett, E	R 11:00 - 11:55				142 KCK	G
03	Pierce, G	T 11:00 - 11:55				142 KCK	G

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ENGINEERING							
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	TR 13:00 - 14:25	128 BAX	G
E/ME/MedE 105A	3-0-6	Design for Freedom from Disability	01	Pickar, K	TR 14:30 - 15:55	B101 BBB	
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>maximum enrollment: 20 students</i>	01	Weaver, J	W 10:00 - 11:25	360 CSS	P
E 111	3-0-3	Effective Communication Strategies for Engineers and Scientists <i>Limited to 20 E&AS Graduate students only // open by application only // Complete enrollment survey at http://eas.caltech.edu/e111 by November 27th if interested</i>	01	Birch, C / Pourbahrami, T	W 13:00 - 15:55	121 BCK	P
ENGLISH							
Hum/En 020	3-0-6	Greek Epic and Drama <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	115 DAB	G
Hum/En 026	3-0-6	Encountering Difference in Medieval Literature <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Klement, L	TR 13:00 - 14:25	152 BRN	
Hum/En 030	3-0-6	Imagining Early America <i>Attendance at the first class meeting is required. // maximum enrollment: 18 students</i>	01	Hunter, C	TR 09:00 - 10:25	117 DAB	
En 086	3-0-6	Fiction and Creative Nonfiction Writing <i>maximum enrollment: 12 students</i>	01	Gerber, M	R 19:30 - 22:25	128 BAX	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Gilmore, D	A	A	P
En 099A	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Staff	A	A	G

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
ENGLISH							
En 099B	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Gilmartin, K	A	A	G
En 113B	3-0-6	Shakespeare's Career <i>maximum enrollment: 15 students</i>	01	Pigman, G	TR 13:00 - 14:25	TR DAB	G
En 127	3-0-6	Jane Austen <i>open by lottery; see link on the REGIS home page to enter by November 15th // maximum enrollment: 16 students</i>	01	Gilmartin, K	T 19:00 - 21:55	TR DAB	
En 140	3-0-6	African American Expatriate Culture in Postwar Europe <i>maximum enrollment: 15 students</i>	01	Masterton Sherazi, M	TR 13:00 - 14:25	B280 MRE	G
En 190	3-0-6	Chaucer <i>maximum enrollment: 18 students</i>	01	Jahner, J	TR 10:30 - 11:55	117 DAB	G
En/H 193	3-0-6	Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	115 DAB	
ENGLISH AS A SECOND LANGUAGE							
ESL101B	3-0-0	Oral Communication and Pronunciation <i>maximum enrollment: 15 students</i>	01	Geasland, J	MW 17:00 - 18:25	125 BAX	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Leadbetter, J	A	A	P
			02	Flagan, R	A	A	P
			03	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Newman, D	A	A	P
			06	Thompson, A	A	A	P
			07	Bordoni, S	A	A	P
ESE100	+	Special Problems in Environmental Engineering Science	01	Schneider, T	A	A	P
			02	Ingersoll, A	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING										
ESE100	+	Special Problems in Environmental Engineering Science <i>up to 12 units by arrangement // Sec 13: class cancelled</i>	03	Wennberg, P	A	A	P			
			04	Hoffmann, M	A	A	P			
			05	Adkins, J	A	A	P			
			06	Leadbetter, J	A	A	P			
			07	Bordoni, S	A	A	P			
			08	Yung, Y	A	A	P			
			09	Seinfeld, J	A	A	P			
			10	Orphan, V	A	A	P			
			11	Thompson, A	A	A	P			
			12	Sessions, A	A	A	P			
			13	Staff	A	A	P			
			14	Diallo, M	A	A	P			
			ESE103	3-0-6	Earth's Biogeochemical Cycles	01	Frankenberg, C	MWF 15:00 - 15:55	251 ARM	
			Bi/Ge/ESE 105	3-4-5	Evolution <i>maximum enrollment: 15 students</i>	01	Orphan, V	TR 13:00 - 14:25	251 ARM	
ESE106	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P			
			02	Blake, G	A	A	P			
			03	Bordoni, S	A	A	P			
			04	Eiler, J	A	A	P			
			05	Flagan, R	A	A	P			
			06	Hoffmann, M	A	A	P			
			07	Ingersoll, A	A	A	P			
			08	Lamb, M	A	A	P			
			09	Leadbetter, J	A	A	P			
			10	Newman, D	A	A	P			
			11	Okumura, M	A	A	P			
			12	Orphan, V	A	A	P			
			13	Schneider, T	A	A	P			
			14	Seinfeld, J	A	A	P			
			15	Sessions, A	A	A	P			
			16	Wennberg, P	A	A	P			

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE106	+	Research in Environmental Science and Engineering	17	Yung, Y	A	A	P
			18	Thompson, A	A	A	P
			19	Frankenberg, C	A	A	P
ESE110B	1-0-0	Seminar in Environmental Science and Engineering	01	Frankenberg, C	W 16:00 - 16:55	365 SMD	P
ESE130	3-0-6	Atmosphere Dynamics	01	Bordoni, S	MWF 14:00 - 14:55	135 L+R	
ESE131	3-0-6	Physical Oceanography	01	Callies, J	MWF 11:00 - 11:55	135 L+R	
ESE/Ge 142	3-0-6	Aquatic Chemistry of Natural Waters	01	Adkins, J	MWF 13:00 - 13:55	135 L+R	
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Ingersoll, A	TR 13:00 - 14:25	162 SMD	
Ge/ESE 154	+	Readings in Paleoclimate <i>meets Fridays 3-4pm in 212 NMD // 3 units</i>	01	Adkins, J	A	A	P
ESE/Ch 175	3-0-6	Physical Chemistry of Engineered 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
			03	Flagan, R	A	A	P
			04	Hoffmann, M	A	A	P
			05	Ingersoll, A	A	A	P
			06	Leadbetter, J	A	A	P
			07	Newman, D	A	A	P
			08	Bordoni, S	A	A	P
			09	Yung, Y	A	A	P
			10	Wennberg, P	A	A	P
			11	Schneider, T	A	A	P
			12	Seinfeld, J	A	A	P
			13	Eiler, J	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE300	+	Thesis Research	14	Orphan, V	A	A	P
			15	Okumura, M	A	A	P
			16	Thompson, A	A	A	P
			17	Fischer, W	A	A	P
			18	Callies, J	A	A	P
			19	Frankenberg, C	A	A	P
FRESHMAN SEMINARS							
FS/Ph 011B	2-0-4	Freshman Seminar: Research Tutorial	01	Phillips, R	A	A	P
GEOLOGY							
Ge 010	2-0-0	Frontiers in Geological and Planetary Sciences	01	Clayton, R	F 12:00 - 12:55	151 ARM	P
Ge 011B	3-3-3	Introduction to Earth and Planetary Sciences: Earth and the Biosphere <i>Field Trip Dates: February 10-11</i>	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55	251 ARM	
					W 19:00 - 21:55	251 ARM	
Ge 011D	3-0-6	Introduction to Earth and Planetary Sciences: Geophysics <i>taught concurrently with Ge 102 // tentative field trip dates: January 21 & TBD</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	162 SMD	G
Ge 040	+	Special Problems for Undergraduates	01	Kirschvink, J	A	A	P
			02	Orphan, V	A	A	P
			03	Lamb, M	A	A	P
			04	Ingersoll, A	A	A	P
			05	Adkins, J	A	A	P
			06	Rossmann, G	A	A	P
			07	Sessions, A	A	A	P
			08	Stevenson, D	A	A	P
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	01	Rossmann, G	A	A	P
			02	Kirschvink, J	A	A	P
			03	Grotzinger, J	A	A	P

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GEOLOGY										
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	04	Orphan, V	A	A	P			
			05	Stolper, E	A	A	P			
			06	Stock, J	A	A	P			
			07	Grotzinger, J	A	A	P			
			08	Asimow, P	A	A	P			
			09	Brown, M	A	A	P			
			10	Fischer, W	A	A	P			
			11	Eiler, J	A	A	P			
			12	Ingersoll, A	A	A	P			
			13	Sessions, A	A	A	P			
			14	Leadbetter, J	A	A	P			
			15	Lamb, M	A	A	P			
			16	Adkins, J	A	A	P			
			Ge 102	3-0-6	Introduction to Geophysics <i>taught concurrently with Ge 11D // tentative field trip dates: January 21 & TBD</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	162 SMD	G
			Ge 104	3-0-6	Introduction to Geobiology <i>taught concurrently with Ge 11b // Field Trip Dates: February 10-11</i>	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55 W 19:00 - 21:55	251 ARM 251 ARM	
			Bi/Ge/ESE 105	3-4-5	Evolution <i>maximum enrollment: 15 students</i>	01	Orphan, V	TR 13:00 - 14:25	251 ARM	
Ge 106	3-0-6	Introduction to Structural Geology	01	Avouac, J	TWR 15:00 - 15:55	215 NMD				
Ge 111A	3-3-0	Applied Geophysics Seminar and Field Course <i>Field Trip dates: TBD</i>	01	Clayton, R / Simons, M	WF 13:00 - 13:55	215 NMD	G			
Ge 115A	3-3-3	Petrology and Petrography: Igneous Petrology	01	Stolper, E	MWF 10:00 - 10:55	251 ARM				
Ge 116	1-4-4	Analytical Techniques Laboratory <i>Ge 116 Lab: 4 hours per week, scheduling will vary over the quarter // Maximum enrollment: 8 students</i>	01	Asimow, P / Rossman, G	W 11:00 - 11:55	267 ARM	G			

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GEOLOGY							
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 15:00 - 15:55	162 SMD	
Ge 121B	0-9-3	Advanced Field Geology <i>course cancelled</i>	01	Staff	A	A	G
Ge 126	2-0-4	Topics in Earth Surface Processes	01	Lamb, M	T 16:00 - 18:55	267 ARM	P
Ge 136B	1-0-2	Regional Field Geology of the Southwestern United States <i>Field Trip Dates: January 27-29</i>	01	Kirschvink, J	OM,W 09:00 - 09:55	251 ARM	P
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 13:00 - 13:55	162 SMD	
Ge 140B	3-0-6	Radiogenic Isotope Geochemistry	01	Farley, K	TR 09:00 - 10:25	251 ARM	
ESE/Ge 142	3-0-6	Aquatic Chemistry of Natural Waters	01	Adkins, J	MWF 13:00 - 13:55	135 L+R	
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Ingersoll, A	TR 13:00 - 14:25	162 SMD	
Ge/ESE 154	+	Readings in Paleoclimate <i>meets Fridays 3-4pm in 212 NMD // 3 units</i>	01	Adkins, J	A	A	P
Ge/Ay 159	3-0-6	Planetary Evolution and Habitability <i>Covers general topics in Astrobiology</i>	01	Yung, Y	MWF 11:00 - 11:55	162 SMD	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Bhattacharya, K	TR 14:30 - 15:55	135 GTL	
Ge 162	3-0-6	Seismology <i>course cancelled - will be offered spring term</i>	01	Staff	A	A	G
Ge 167	3-0-6	Tectonic Geodesy <i>course cancelled</i>	01	Staff	A	A	
Ge 211	+	Applied Geophysics II <i>Field trip dates: February 15-March 21</i>	01	Stock, J / Gurnis, M	A	A	

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GEOLOGY							
Ge 218	3-0-3	Stable Isotopes Seminar	01	Eiler, J	M 11:00 - 11:55	215 NMD	P
Ge 277	2-0-4	Active Tectonics Seminar	01	Avouac, J	F 11:00 - 12:25	256 SMD	
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Eiler, J	A	A	P
			03	Clayton, R	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Grotzinger, J	A	A	P
			08	Stock, J	A	A	P
			09	Sessions, A	A	A	P
			10	Avouac, J	A	A	P
			11	Gurnis, M	A	A	P
			12	Saleeby, J	A	A	P
			13	Helmberger, D	A	A	P
			14	Ingersoll, A	A	A	P
			15	Jackson, J	A	A	P
			16	Kirschvink, J	A	A	P
			17	Farley, K	A	A	P
			18	Newman, D	A	A	P
			19	Ampuero Saenz, J	A	A	P
			20	Fischer, W	A	A	P
			21	Lamb, M	A	A	P
			22	Rossmann, G	A	A	P
			23	Schneider, T	A	A	P
			24	Bordoni, S	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Ehlmann, B	A	A	P
			28	Stolper, E	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	29	Kulkarni, S	A	A	P
			30	Miller, T	A	A	P
			31	Batygin, K	A	A	P
			32	Wennberg, P	A	A	P
			33	Wernicke, B	A	A	P
			34	Aharonson, O	A	A	P
			35	Yung, Y	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Orphan, V	A	A	P
			39	Tsai, V	A	A	P
			40	Knutson, H	A	A	P
			41	Leadbetter, J	A	A	P
			42	Zhan, Z	A	A	P
			43	Bucholz, C	A	A	P
			44	Leadbetter, J	A	A	P
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Ehlmann, B	A	A	P
			03	Avouac, J	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Clayton, R	A	A	P
			08	Eiler, J	A	A	P
			09	Farley, K	A	A	P
			10	Grotzinger, J	A	A	P
			11	Heaton, T	A	A	P
			12	Helmberger, D	A	A	P
			13	Gurnis, M	A	A	P
			14	Kirschvink, J	A	A	P
			15	Fischer, W	A	A	P
			16	Newman, D	A	A	P
			17	Orphan, V	A	A	P

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GEOLOGY							
Ge 299	+	Thesis Research	18	Knutson, H	A	A	P
			19	Rossmann, G	A	A	P
			20	Saleeby, J	A	A	P
			21	Lamb, M	A	A	P
			22	Schneider, T	A	A	P
			23	Sessions, A	A	A	P
			24	Bucholz, C	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Stock, J	A	A	P
			28	Stolper, E	A	A	P
			29	Leadbetter, J	A	A	P
			30	Zhan, Z	A	A	P
			31	Yung, Y	A	A	P
			32	Batygin, K	A	A	P
			33	Wennberg, P	A	A	P
			34	Wernicke, B	A	A	P
			35	Ampuero Saenz, J	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
38	Jackson, J	A	A	P			
39	Ingersoll, A	A	A	P			
40	Tsai, V	A	A	P			
HISTORY							
Hum/H 005	3-0-6	The History of the Chinese Empire <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01	Dykstra, M	TR 13:00 - 14:25	125 BAX	
			02	Dykstra, M	TR 14:30 - 15:55	125 BAX	
Hum/H 008B	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students // Class will</i>	01	Buchwald, J	TR 14:30 - 15:55	TR DAB	

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HISTORY							
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section //</i> <i>Section 1: Letter grades only for non-frosh</i>	01	Hoffman, P	TR 14:30 - 15:55	127 BAX	
			02	Wey-Gomez, N	TR 09:00 - 10:25	TR DAB	
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Brown, W	TR 14:30 - 15:55	128 BAX	
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	TR 13:00 - 14:25	128 BAX	G
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
H 099B	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01	Dennison, T	A	A	
			02	Hoffman, P	A	A	
			03	Brown, W	A	A	
			04	Gronningsater, S	A	A	
			05	Dykstra, M	A	A	
H 108A	3-0-6	The Early Middle Ages <i>maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	TR DAB	
H 131	3-0-6	History of Extinction <i>maximum enrollment: 20 students</i>	01	Lewis, D	TR 10:30 - 11:55	TR DAB	G
H 144	3-0-6	The History of Women and Art <i>maximum enrollment: 14 students</i>	01	Vickery, A	T 19:00 - 21:55	115 DAB	G
H 145	3-0-6	Women in Modern America & Britain <i>maximum enrollment: 14 students</i>	01	Vickery, A	R 19:00 - 21:55	115 DAB	G
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	125 BAX	G
HPS/H/PI 157	3-0-6	The Mathematization of Natural Philosophy in 17th and 18th-Century Europe <i>maximum enrollment: 15 students</i>	01	Guicciardini Corsi Salviati, N	R 19:00 - 21:55	TR DAB	

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HISTORY							
HPS/H 169	3-0-6	Selected Topics in the History of Science and Technology: Engineering California <i>maximum enrollment: 15 students</i>	01	Westwick, P	T 19:00 - 21:55	127 BAX	
HPS/H 170	3-0-6	History of Light from Antiquity to the 20th Century <i>maximum enrollment: 15 students</i>	01	Buchwald, J	TR 10:30 - 11:55	115 DAB	G
En/H 193	3-0-6	Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	115 DAB	
HISTORY AND PHILOSOPHY OF SCIENCE							
HPS102B	2-0-10	Senior Research Seminar <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
HPS103	1-0-0	Public Lecture Series	01	Eberhardt, F	A	A	P
HPS/H/PI 157	3-0-6	The Mathematization of Natural Philosophy in 17th and 18th-Century Europe <i>maximum enrollment: 15 students</i>	01	Guicciardini Corsi Salviati, N	R 19:00 - 21:55	TR DAB	
HPS/H 169	3-0-6	Selected Topics in the History of Science and Technology: Engineering California <i>maximum enrollment: 15 students</i>	01	Westwick, P	T 19:00 - 21:55	127 BAX	
HPS/H 170	3-0-6	History of Light from Antiquity to the 20th Century <i>maximum enrollment: 15 students</i>	01	Buchwald, J	TR 10:30 - 11:55	115 DAB	G
PI/HPS 183	3-0-6	Bioethics <i>maximum enrollment: 15 students</i>	01	Cowie, F	T 19:00 - 21:55	128 BAX	
HPS/PI 188	3-0-6	The Evolution of Cognition <i>maximum enrollment: 15 students</i>	01	Cowie, F	R 19:00 - 21:55	117 DAB	
HUMANITIES							

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HUMANITIES							
Hum/H 005	3-0-6	The History of the Chinese Empire <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01	Dykstra, M	TR 13:00 - 14:25	125 BAX	
			02	Dykstra, M	TR 14:30 - 15:55	125 BAX	
Hum/H 008B	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students // Class will meet in B280 Moore on 2/20/18 only</i>	01	Buchwald, J	TR 14:30 - 15:55	TR DAB	
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section // Section 1: Letter grades only for non-frosh</i>	01	Hoffman, P	TR 14:30 - 15:55	127 BAX	
			02	Wey-Gomez, N	TR 09:00 - 10:25	TR DAB	
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Brown, W	TR 14:30 - 15:55	128 BAX	
Hum/En 020	3-0-6	Greek Epic and Drama <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	115 DAB	G
Hum/En 026	3-0-6	Encountering Difference in Medieval Literature <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Klement, L	TR 13:00 - 14:25	152 BRN	
Hum/En 030	3-0-6	Imagining Early America <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 18 students</i>	01	Hunter, C	TR 09:00 - 10:25	117 DAB	
Hum/PI 040	3-0-6	Right and Wrong <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01	Quartz, S	TR 13:00 - 14:25	117 DAB	
			02	Quartz, S	TR 14:30 - 15:55	117 DAB	
Hum/PI 041	3-0-6	Knowledge and Reality <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01	Hitchcock, C	TR 09:00 - 10:25	B119 BAX	
			02	Hitchcock, C	TR 14:30 - 15:55	B119 BAX	
Hum075	3-0-6	Selected Topics in Humanities: The Human Animal	01	Holland, J	TR 13:00 - 14:25	101 KRK	

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HUMANITIES							
Hum075	3-0-6	Selected Topics in Humanities: The Human Animal <i>This course counts as a Freshman Humanities course in the English discipline. // Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>					
Hum105A	3-0-6	Topics in French Culture and Literature <i>maximum enrollment: 15 students between Hum105a/L 105a</i>	01	Orcel, C	MW 16:00 - 16:55 F 16:30 - 17:25	117 DAB 117 DAB	
Hum114B	3-0-6	Spanish and Latin American Literature	01	Arjona, G	M 16:30 - 17:55 R 16:30 - 17:55	115 DAB B119 BAX	
Hum119	3-0-6	Selected Topics in Humanities: Metamorphosis <i>maximum enrollment: 15 students</i>	01	Holland, J	TR 10:30 - 11:55	B119 BAX	
LANGUAGES							
L 102B	3-0-6	Elementary French <i>maximum enrollment: 15 students // class will meet in TR DAB on Friday 1/5/18 only</i>	01	Orcel, C	TRF 12:00 - 12:55	117 DAB	
L 103B	3-0-6	Intermediate French	01	Merrill, T	MTR 12:00 - 12:55	115 DAB	
L 105A	3-0-6	Topics in French Culture and Literature <i>maximum enrollment: 15 students between Hum105a/L 105a</i>	01	Orcel, C	MW 16:00 - 16:55 F 16:30 - 17:25	117 DAB 117 DAB	
L 106B	4-0-5	Elementary Japanese <i>maximum enrollment: 20 students per section</i>	01	Fujio, M	MW 15:00 - 15:55 T 15:00 - 15:55 R 15:00 - 15:55	228 BAX 106 ANB 107 ANB	
			02	Fujio, M	MTWR 16:00 - 16:55	228 BAX	
L 107B	3-0-6	Intermediate Japanese <i>maximum enrollment: 20 students // Taught by Dr. Hirai</i>	01	Toner, R	MW 16:00 - 17:25	128 BAX	G
L 108B	3-0-6	Advanced Japanese <i>maximum enrollment: 20 students // Taught by</i>	01	Toner, R	TR 16:30 - 17:55	117 DAB	G

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LANGUAGES							
L 110B	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	M 19:00 - 20:25 R 19:00 - 20:25	115 DAB B119 BAX	
L 112B	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Garcia, D	MWF 09:00 - 09:55	117 DAB	
L 114B	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 20 students</i>	01	Arjona, G	M 16:30 - 17:55	115 DAB	
					R 16:30 - 17:55	B119 BAX	
L 130B	3-0-6	Elementary German	01	Aebi, A	MW 13:00 - 13:55	117 DAB	
					R 13:00 - 13:55	B119 BAX	
L 132B	3-0-6	Intermediate German	01	Aebi, A	MW 12:00 - 12:55	117 DAB	
					R 12:00 - 12:55	B119 BAX	
L 170B	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	MWR 12:00 - 12:55	TR DAB	
L 171B	3-0-6	Elementary Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	TW 19:00 - 20:25	117 DAB	
L 172B	3-0-6	Intermediate Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	TR 09:00 - 10:25	125 BAX	
L 173B	3-0-6	Advanced Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	TW 17:00 - 18:25	115 DAB	
LAW							
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	125 BAX	G
MATERIALS SCIENCE							
MS 078B	+	Senior Thesis	01	Johnson, W	A	A	P
			02	Haile, S	A	A	P
			03	Greer, J	A	A	P
			04	Snyder, G	A	A	P

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MATERIALS SCIENCE							
MS 078B	+	Senior Thesis	05	Goddard, W	A	A	P
			06	Gharib, M	A	A	P
			07	Minnich, A	A	A	P
			08	Ravichandran, G	A	A	P
			09	Fultz, B	A	A	P
MS 078C	+	Senior Thesis	01	Ravichandran, G	A	A	P
MS 100	+	Advanced Work in Materials Science	01	Haile, S	A	A	P
			02	Fultz, B	A	A	P
			03	Snyder, G	A	A	P
			04	Davis, M	A	A	P
			07	Johnson, W	A	A	P
			08	Minnich, A	A	A	P
MS 110B	1-0-0	Materials Research Lectures	01	Bernardi, M	W 16:00 - 16:55	106 SPL	P
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i>	01	Fultz, B / Garland, C	OM,W 13:00 - 13:55	B242 KCK	
MS 132	3-0-6	Diffraction and Structure	01	Fultz, B	TR 09:00 - 10:25	104 WAT	
MS 150B	3-0-6	Topics in Materials Science: Fundamentals of Sustainability Science and Engineering <i>course cancelled</i>	01	Staff	A	A	
MS 200	+	Advanced Work in Materials Science	01	Ortiz, M	A	A	P
			02	Snyder, G	A	A	P
			03	Atwater, H	A	A	P
			04	Minnich, A	A	A	P
			05	Fultz, B	A	A	P
			06	Goddard, W	A	A	P
			07	Haile, S	A	A	P

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MATERIALS SCIENCE							
MS 200	+	Advanced Work in Materials Science	08	Johnson, W	A	A	P
			09	Blake, G	A	A	P
			10	Greer, J	A	A	P
			11	Heath, J	A	A	P
			12	Daraio, C	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Faber, K	A	A	P
			16	Kochmann, D	A	A	P
			17	Bernardi, M	A	A	P
18	Rees, D	A	A	P			
MS 300	+	Thesis Research	01	Atwater, H	A	A	P
			02	Ortiz, M	A	A	P
			03	Rosakis, A	A	A	P
			04	Fultz, B	A	A	P
			05	Goddard, W	A	A	P
			06	Haile, S	A	A	P
			07	Johnson, W	A	A	P
			09	Greer, J	A	A	P
			10	Snyder, G	A	A	P
			11	Cross, M	A	A	P
			12	Heath, J	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Faber, K	A	A	P
			16	Minnich, A	A	A	P
			17	Bernardi, M	A	A	P
			MATHEMATICS				
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra	01	Kechris, A	MWF 10:00 - 10:55	119 KRK	P
					R 09:00 - 09:55	103 DWN	
		<i>Sections 1-7 Practical Track -- Sections 8-12 Analytical Track</i>	02	Kechris, A	MWF 10:00 - 10:55	119 KRK	P
					R 09:00 - 09:55	119 DWN	

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MATHEMATICS										
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1-7 Practical Track -- Sections 8-12 Analytical Track</i>	03	Kechris, A	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK B111 DWN	P			
			04	Kechris, A	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 103 DWN	P			
			05	Kechris, A	MWF 10:00 - 10:55 R 13:00 - 13:55	119 KRK 107 DWN	P			
			06	Kechris, A	MWF 10:00 - 10:55 R 15:00 - 15:55	119 KRK 102 STL	P			
			07	Kechris, A	MWF 10:00 - 10:55 R 14:00 - 14:55	119 KRK B111 DWN	P			
			08	Graber, T	MWF 10:00 - 10:55 R 09:00 - 09:55	B122 GCL B111 DWN	P			
			09	Graber, T	MWF 10:00 - 10:55 R 10:00 - 10:55	B122 GCL 142 KCK	P			
			10	Graber, T	MWF 10:00 - 10:55 R 10:00 - 10:55	B122 GCL 119 DWN	P			
			11	Graber, T	MWF 10:00 - 10:55 R 13:00 - 13:55	B122 GCL 102 STL	P			
			12	Graber, T	MWF 10:00 - 10:55 R 14:00 - 14:55	B122 GCL 119 DWN	P			
			Ma 001D	2-0-2	Series	01	Mantovan, E	TR 09:00 - 09:55	142 KCK	
			Ma 003	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 103</i>	01	Border, K	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 102 STL	G
02	Border, K	MWF 10:00 - 10:55 R 09:00 - 09:55				Lecture Hall BAX 269 LAU	G			
03	Border, K	MWF 10:00 - 10:55 R 10:00 - 10:55				Lecture Hall BAX B127 GCL	G			
04	Border, K	MWF 10:00 - 10:55 R 10:00 - 10:55				Lecture Hall BAX 384 FIR	G			
05	Border, K	MWF 10:00 - 10:55 R 10:00 - 10:55				Lecture Hall BAX 102 STL	G			

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MATHEMATICS							
Ma 003	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 103</i>	06	Border, K	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 155 ARM	G
			07	Border, K	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX B122 GCL	G
			08	Border, K	MWF 10:00 - 10:55 R 14:00 - 14:55	Lecture Hall BAX 142 KCK	G
			09	Border, K	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX B127 GCL	G
Ma 005B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105b</i>	01	Mantovan, E	MWF 09:00 - 09:55	102 STL	
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Durcik, P	MWF 13:00 - 13:55	B122 GCL	
Ma 013	2-0-0	Problem Solving in Vector Calculus	01	Mantovan, E	MW 19:30 - 20:55	142 KCK	P
Ma 092B	+	Senior Thesis	01	Zhu, X	A	A	P
			02	Ramakrishnan, D	A	A	P
			03	Flach, M	A	A	P
Ma 098	+	Independent Reading	01	Ni, Y	A	A	P
			02	Katz, N	A	A	P
			03	Ramakrishnan, D	A	A	P
Ma 103	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 3</i>	01	Border, K	MWF 10:00 - 10:55 R 14:00 - 14:55	Lecture Hall BAX B122 GCL	G
Ma 105B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5b</i>	01	Mantovan, E	MWF 09:00 - 09:55	102 STL	
Ma 106	3-0-6	Elliptic Curves	01	Rains, E	MWF 14:00 - 14:55	104 Bldg 15	
Ma 108B	3-0-6	Classical Analysis	01	Durcik, P	MWF 11:00 - 11:55	107 DWN	
Ma 109B	3-0-6	Introduction to Geometry and Topology	01	Li, Q	MWF 10:00 - 10:55	B111 DWN	

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MATHEMATICS							
Ma 110B	3-0-6	Analysis	01	Rains, E	MWF 11:00 - 11:55	104 Bldg 15	
Ma 111A	3-0-6	Topics in Analysis	01	Makarov, N	TR 09:00 - 10:25	122 Bldg 15	
Ma 116B	3-0-6	Mathematical Logic and Axiomatic Set Theory	01	Panagiotopoulos, A	TR 13:00 - 14:25	B127 GCL	
Ma 120B	3-0-6	Abstract Algebra	01	Zhu, X	MWF 09:00 - 09:55	104 Bldg 15	
Ma 121B	3-0-6	Combinatorial Analysis	01	Conlon, D	TR 13:00 - 14:25	104 Bldg 15	
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 080 Moore 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	B280 MRE	G
Ma 130B	3-0-6	Algebraic Geometry	01	Xu, D	MWF 13:00 - 13:55	104 Bldg 15	
Ma/ACM 144B	3-0-6	Probability	01	Ivrii, O	MWF 13:00 - 13:55	122 Bldg 15	
Ma 148B	3-0-6	Topics in Mathematical Physics	01	Makarov, N	TR 10:30 - 11:55	104 Bldg 15	
Ma 151B	3-0-6	Algebraic and Differential Topology	01	Qi, Y	MWF 10:00 - 10:55	104 Bldg 15	
Ma 157A	3-0-6	Riemannian Geometry	01	Li, Q	MWF 13:00 - 13:55	131 Bldg 15	
Ma 191B	3-0-6	Selected Topics in Mathematics <i>Sec 1: Dynamics of Entire Transcendental Functions // Sec 2: Introduction to Shimura Varieties // Sec 3: Representation Theory of Real Groups // Sec 4: Topics in Arithmetic Geometry // Sec 5: Topics in Pointwise Ergodic Theory</i>	01 02 03 04 05	Lazebnik, K Amir Khosravi, Z Yom Din, A Zhu, X Krause, B	TR 13:00 - 14:25 TR 13:00 - 14:25 TR 09:00 - 10:25 MWF 15:00 - 15:55 TR 14:30 - 15:55	131 Bldg 15 122 Bldg 15 104 Bldg 15 122 Bldg 15 122 Bldg 15	

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MATHEMATICS							
SS/Ma 214	3-0-6	Mathematical Finance	01	Cvitanic, J	TR 14:30 - 15:55	228 BAX	
Ma 290	+	Reading	01	Cvitanic, J	A	A	P
			02	Flach, M	A	A	P
			03	Frank, R	A	A	P
			04	Graber, T	A	A	P
			05	Katz, N	A	A	P
			06	Kechris, A	A	A	P
			07	Makarov, N	A	A	P
			08	Mantovan, E	A	A	P
			09	Marcolli, M	A	A	P
			10	Markovic, V	A	A	P
			11	Ni, Y	A	A	P
			12	Owhadi, H	A	A	P
			13	Rains, E	A	A	P
			14	Ramakrishnan, D	A	A	P
			15	Tamuz, O	A	A	P
			16	Zhu, X	A	A	P
			17	Gukov, S	A	A	P
Ma 390	+	Research	01	Cvitanic, J	A	A	P
			02	Flach, M	A	A	P
			03	Frank, R	A	A	P
			04	Graber, T	A	A	P
			05	Katz, N	A	A	P
			06	Kechris, A	A	A	P
			07	Makarov, N	A	A	P
			08	Mantovan, E	A	A	P
			09	Marcolli, M	A	A	P
			10	Markovic, V	A	A	P
			11	Ni, Y	A	A	P
			12	Owhadi, H	A	A	P
			13	Preskill, J	A	A	P

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MATHEMATICS							
Ma 390	+	Research	14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Tamuz, O	A	A	P
			17	Zhu, X	A	A	P
MECHANICAL ENGINEERING							
ME 011B	3-0-6	Thermal Science	01	Hunt, M	MWF 14:00 - 14:55	135 GTL	G
ME 012B	3-0-6	Mechanics	01	Mello, M	TR 13:00 - 14:25	135 GTL	G
ME 013	0-4-0	Mechanical Prototyping	01	Van Deusen, J / Dominguez, B	OM,W 18:00 - 18:55	B224 SPL	P
ME 050A	0-6-3	Experiments and Modeling in Mechanical Engineering	01	Mello, M	MWF 11:00 - 11:55	115 GTL	G
ME 072B	1-8-0	Engineering Design Laboratory	01	Mello, M / Van Deusen, J	TR 15:00 - 16:25	115 GTL	G
ME 090B	0-9-0	Senior Thesis, Experimental	01	Minnich, A	A	A	G
ME 100	+	Independent Studies in Mechanical Engineering	01	Colonus, T	A	A	P
			02	Burdick, J	A	A	P
			03	Scherer, A	A	A	P
			04	Phillips, R	A	A	P
			05	Ames, A	A	A	P
			06	Pickar, K	A	A	P
			07	Tai, Y	A	A	P
			08	Hunt, M	A	A	P
			09	Minnich, A	A	A	P
			10	Rutledge, D	A	A	P
			11	Blanquart, G	A	A	P
			12	Perona, P	A	A	P
			13	Doyle, J	A	A	P

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MECHANICAL ENGINEERING							
ME 100	+	Independent Studies in Mechanical Engineering	14	Daraio, C	A	A	P
			15	Hall, J	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	135 GTL	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	135 GTL	
E/ME/MedE 105A	3-0-6	Design for Freedom from Disability	01	Pickar, K	TR 14:30 - 15:55	B101 BBB	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Shepherd, J	A	A	
			02	Scherer, A	A	A	
			03	Ravichandran, G	A	A	
			04	Burdick, J	A	A	
ME 113	0-4-0	Mechanical Prototyping	01	Van Deusen, J / Dominguez, B	OM,W 18:00 - 18:55	B224 SPL	P
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
ME 119A	3-0-6	Heat and Mass Transfer	01	Minnich, A	MWF 13:00 - 13:55	135 GTL	
ME/CS 133B	3-0-6	Robotics	01	Burdick, J	MWF 15:00 - 15:55	135 GTL	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Bhattacharya, K	TR 14:30 - 15:55	135 GTL	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Ravichandran, G	A	A	P
			05	Brady, J	A	A	P

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	01	Blanquart, G	A	A	P
			02	Fultz, B	A	A	P
			03	Burdick, J	A	A	P
			04	Colonus, T	A	A	P
			05	Adkins, J	A	A	P
			06	Hunt, M	A	A	P
			07	Murray, R	A	A	P
			08	Lewis, N	A	A	P
			09	Bhattacharya, K	A	A	P
			10	Shepherd, J	A	A	P
			11	Andrade, J	A	A	P
			12	Bellan, P	A	A	P
			13	Leonard, A	A	A	P
			14	Ortiz, M	A	A	P
			15	Haile, S	A	A	P
			16	Greer, J	A	A	P
			17	Lapusta, N	A	A	P
			18	Gharib, M	A	A	P
			19	Troian, S	A	A	P
			20	Brady, J	A	A	P
			21	Daraio, C	A	A	P
			22	Dickinson, M	A	A	P
			23	Ravichandran, G	A	A	P
			24	Atwater, H	A	A	P
			25	Adkins, J	A	A	P
			26	Kochmann, D	A	A	P
			27	McKeon, B	A	A	P
			28	Hoffmann, M	A	A	P
			29	Asimaki, D	A	A	P
			30	Minnich, A	A	A	P
			31	van de Walle, A	A	A	P
			32	Scherer, A	A	A	P
			33	Ames, A	A	A	P

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	34	Pellegrino, S	A	A	P
			35	Heath, J	A	A	P
			36	Heaton, T	A	A	P
MEDICAL ENGINEERING							
MedE 099	+	Undergraduate Research in Medical Engineering	01	Petrasek, D	A	A	P
			02	Shapiro, M	A	A	P
			03	Tai, Y	A	A	P
			04	Gao, W	A	A	P
MedE 100B	1-0-0	Medical Engineering Seminar	01	Gao, W / Tai, Y	R 16:00 - 16:55	105 ANB	P
E/ME/MedE 105A	3-0-6	Design for Freedom from Disability	01	Pickar, K	TR 14:30 - 15:55	B101 BBB	
ChE/BE/MedE 112	3-0-6	Design, Invention, and Fundamentals of Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	102 SPL	
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
MedE 201A	3-0-6	Principles and Design of Medical Devices	01	Gao, W / Tai, Y	MW 13:00 - 14:25	B280 MRE	G
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	A	A	P
			03	Gao, W	A	A	P
			04	Emami, A	A	A	P
			05	Faraon, A	A	A	P
			06	Gharib, M	A	A	P
			07	Greer, J	A	A	P
			08	Hajimiri, S	A	A	P
			09	Scherer, A	A	A	P
			10	Tai, Y	A	A	P
			11	Yang, C	A	A	P

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MEDICAL ENGINEERING							
MedE 291	+	Research in Medical Engineering	12	Chandy, K	A	A	P
			13	Pickar, K	A	A	P
			14	Colonus, T	A	A	P
			15	Grubbs, R	A	A	P
			16	Ismagilov, R	A	A	P
			17	Shapiro, M	A	A	P
			18	Wang, L	A	A	P
			19	Pachter, L	A	A	P
			20	Gradinaru, V	A	A	P
			21	Daraio, C	A	A	P
MUSIC							
Mu 056	3-0-6	Jazz History <i>maximum enrollment: 20 students</i>	01	Neenan, T	TR 10:30 - 11:55	B133 BAX	
Mu 138	3-0-6	History II: Music History from 1750 to 1850 <i>maximum enrollment: 20 students</i>	01	Neenan, T	TR 13:00 - 14:25	B133 BAX	
NEUROBIOLOGY							
Bi/CNS/NB 162	2-7-3	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 18 students</i>	01	Bremner, L	F 13:00 - 16:25 OM,F 13:00 - 13:55	B160 CHR B160 CHR	
PERFORMING AND VISUAL ARTS							
PVA030B	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	Library AVE	P
			02	Elgart, M	T 15:30 - 16:25	Library AVE	P
			03	Elgart, M	T 17:30 - 18:25	Library AVE	P
PVA031B	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano four-hands // Sec 3: Guitar Ensemble</i>	01	Jasper White, M	OM,A	A	P
			02	Ward, R	OM,A	A	P
			03	Elgart, M	OM,A	A	P
PVA032B	0-3-0	Symphony Orchestra	01	Gross, A	T 19:30 - 22:15	A	P
PVA033B	0-3-0	Wind Orchestra	01	Price, G	R 19:30 - 21:45	Ramo Auditorium BAX	P

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PERFORMING AND VISUAL ARTS							
PVA034B	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	M 19:30 - 21:15 M 21:30 - 22:55	Ramo Auditorium BAX Ramo Auditorium BAX	P
PVA035B	0-3-0	Glee Club	01	Sulahian, N	M 19:30 - 21:25 W 17:00 - 17:55	Basement BCK Basement BCK	P
PVA037B	0-3-0	Chamber Singers	01	Sulahian, N	A	A	P
PVA040B	2-0-1	Theater Arts	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA061B	0-3-0	Silkscreen and Silk Painting	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PVA062B	0-3-0	Drawing and Painting	01	Barry, J	T 19:00 - 21:55	Garage TCT	P
PVA063B	0-3-0	Ceramics <i>maximum enrollment: 14 students</i>	01	Freed, S	W 19:00 - 21:55	Ceramic Room POLY	P
PHILOSOPHY							
Hum/PI 040	3-0-6	Right and Wrong <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students per section</i>	01 02	Quartz, S Quartz, S	TR 13:00 - 14:25 TR 14:30 - 15:55	117 DAB 117 DAB	
Hum/PI 041	3-0-6	Knowledge and Reality <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students per section</i>	01 02	Hitchcock, C Hitchcock, C	TR 09:00 - 10:25 TR 14:30 - 15:55	B119 BAX B119 BAX	
PI 090B	1-0-8	Senior Thesis <i>Instructor permission required prior to registering</i>	01 02	Quartz, S Eberhardt, F	A A	A A	
PI 098	+	Reading in Philosophy	01	Staff	A	A	P
HPS/H/PI 157	3-0-6	The Mathematization of Natural Philosophy in 17th and 18th-Century Europe <i>maximum enrollment: 15 students</i>	01	Guicciardini Corsi Salviati, N	R 19:00 - 21:55	TR DAB	

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PHILOSOPHY							
PI/HPS 183	3-0-6	Bioethics <i>maximum enrollment: 15 students</i>	01	Cowie, F	T 19:00 - 21:55	128 BAX	
HPS/PI 188	3-0-6	The Evolution of Cognition <i>maximum enrollment: 15 students</i>	01	Cowie, F	R 19:00 - 21:55	117 DAB	
PHYSICAL EDUCATION							
PE 001	3-0-0	Student Designed Fitness	01	Reyes, B	TR 10:30 - 11:55	BAC	P
PE 002	3-0-0	Healthier Living	01	Alway, S	MW 11:00 - 12:25	BAC	P
PE 003	3-0-0	Hiking	01	Houck, T / Bonafede, J	F 11:00 - 14:55	BAC	P
PE 006	3-0-0	Core Training, Beginning/Intermediate	01	Gamble, M	MW 10:00 - 11:25	BAC	P
PE 007	3-0-0	Speed and Agility Training, Intermediate/Advanced	01	Mark, M	TR 09:00 - 10:25	BAC	P
PE 008	3-0-0	Fitness Training, Beginning	01	Murray, P	MW 09:00 - 10:25	BAC	P
PE 024	3-0-0	Yoga, Beginning	01	Flynn, K / Alvarado- Orozco, J	TR 20:00 - 21:25	BAC	P
PE 030	3-0-0	Golf, Beginning, Intermediate, and Advanced	01	Eslinger, O / Becker, M	MW 13:00 - 14:25	NOF BAC	P
PE 036	3-0-0	Swimming, Beginning/Intermediate and Advanced	01	Morgan, H	TR 13:00 - 14:25	Pool BRW	P
PE 048	3-0-0	T'ai-Chi Ch'uan, Beginning and Intermediate/Advanced	01	Mugglebee, P	MW 19:00 - 20:25	BAC	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate/Advanced	01	Gardner, T	MW 09:00 - 10:25	BAC	P

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PHYSICAL EDUCATION							
PE 056	3-0-0	Squash, Beginning, Intermediate, Advanced	01	Eslinger, O / Hughes, P	TR 10:30 - 11:55	BAC	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate	01	Raphelson, B	MW 13:00 - 14:25	BAC	P
PE 081	3-0-0	Bouldering	01	Boyd, D	TR 10:30 - 11:55	BRW	P
PE 082	3-0-0	Rock Climbing, Beginning and Intermediate	01	Boyd, D	TR 13:00 - 14:25	BRW	P
PE 085A	3-0-0	Intercollegiate Track and Field Teams	01	Raphelson, B	MTWRFS 16:00 - 17:55	BAC	P
PE 087B	3-0-0	Intercollegiate Swimming and Diving Teams	01	Hughes, P	MTWRFS 16:00 - 17:55	POOL BRN	P
PE 089B	3-0-0	Intercollegiate Fencing Teams	01	Corbit, C	MTWRFS 16:00 - 17:55	BRW	P
PE 090B	3-0-0	Intercollegiate Water Polo Teams	01	Bonafede, J	MTWRFS 16:00 - 17:55	POOL BAC	P
PE 091B	3-0-0	Intercollegiate Basketball Teams	01	Eslinger, O / Reyes, B	MTWRFS 16:00 - 17:55	BAC	P
PE 093A	3-0-0	Intercollegiate Baseball Team	01	Mark, M	MTWRFS 16:00 - 17:55	BAC	P
PE 095A	3-0-0	Intercollegiate Tennis Teams	01	Gamble, M	MTWRFS 16:00 - 17:55	TCT BAC	P
PHYSICS							
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	01	Chen, Y	F 15:00 - 15:55	201 BRG	P
					MWR 13:00 - 13:55	119 DWN	
			02	Chen, Y	F 15:00 - 15:55	201 BRG	P
					MWR 13:00 - 13:55	103 DWN	
			03	Chen, Y	F 15:00 - 15:55	201 BRG	P

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PHYSICS							
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	03	Chen, Y	MWR 15:00 - 15:55	B111 DWN	P
			04	Chen, Y	F 15:00 - 15:55	201 BRG	P
			05	Chen, Y	MWR 15:00 - 15:55	119 KRK	P
					F 15:00 - 15:55	201 BRG	P
			06	Hsieh, D	MWR 15:00 - 15:55	B127 GCL	P
					WF 11:00 - 11:55	201 BRG	P
			07	Hsieh, D	MR 15:00 - 15:55	142 KCK	P
					WF 11:00 - 11:55	201 BRG	P
			08	Hsieh, D	MR 13:00 - 13:55	269 LAU	P
					WF 11:00 - 11:55	201 BRG	P
09	Hsieh, D	MR 15:00 - 15:55	269 LAU	P			
		WF 11:00 - 11:55	201 BRG	P			
Ph 002B	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Martin, C	TR 11:00 - 11:55	201 BRG	G
			02	Martin, C	WF 09:00 - 09:55	B111 DWN	G
					TR 11:00 - 11:55	201 BRG	G
			03	Martin, C	WF 11:00 - 11:55	B111 DWN	G
TR 11:00 - 11:55	201 BRG	G					
04	Martin, C	WF 13:00 - 13:55	269 LAU	G			
		TR 11:00 - 11:55	201 BRG	G			
Ph 003	0-3-3	Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	OM,W 13:00 - 13:55	201 BRG	
					W 13:00 - 15:55	308 BRG	
			02	Black, E / Libbrecht, K	OM,W 13:00 - 13:55	201 BRG	
R 13:00 - 15:55	308 BRG						
03	Black, E / Libbrecht, K	OM,W 13:00 - 13:55	201 BRG				
		F 13:00 - 15:55	308 BRG				
Ph 006	0-9-0	Physics Laboratory	01	Rice, F / Politzer, H	OM,R 15:00 - 15:55	201 BRG	

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PHYSICS							
Ph 008B	0-3-0	Experiments in Electromagnetism <i>Maximum enrollment: 13 students</i>	01	Spiropulu, M	OM,W 14:00 - 14:55	201 BRG	P
FS/Ph 011B	2-0-4	Freshman Seminar: Research Tutorial	01	Phillips, R	A	A	P
Ph 012B	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Filippone, B	TR 10:30 - 11:55	269 LAU	G
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Prince, T	OM,W 15:00 - 15:55	304 BRG	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Prince, T	OM,W 15:00 - 15:55	304 BRG	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Prince, T	OM,W 15:00 - 15:55	304 BRG	P
Ph 050B	1-0-3	Caltech Physics League	01	Refael, G / Patterson, R	A	A	
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,W 15:00 - 15:55	210 BRG	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,W 15:00 - 15:55	210 BRG	
Ph 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,W 15:00 - 15:55	210 BRG	
Ph 078B	+	Senior Thesis Experimental	01	Stone, E	A	A	P
Ph 079B	+	Senior Thesis Theoretical	01	Stone, E	A	A	P
Ph 106B	3-0-6	Topics in Classical Physics	01	Weinstein, A / Golwala, S	TR 10:30 - 11:55	107 DWN	
APh/Ph 115	3-0-9	Physics of Momentum Transport in Hydrodynamic Systems <i>Supplementary lectures and instructional movies</i>	01	Troian, S	TR 13:00 - 14:25 F 13:00 - 14:25	104 WAT 104 WAT	

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PHYSICS							
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	P
Ph 121B	1-3-0	Computational Physics Lab	01	Refael, G / Teukolsky, S	OM,R 10:30 - 11:25 T 10:30 - 11:25	304 BRG 304 BRG	P
			02	Refael, G / Teukolsky, S	OM,R 10:30 - 11:25 R 10:30 - 11:25	304 BRG 304 BRG	P
Ph 125B	3-0-6	Quantum Mechanics	01	Guadalupe Dos Santos Lins Brandao, F	MWF 10:00 - 10:55	107 DWN	
Ph 127B	3-0-6	Statistical Physics	01	Motrunich, O	MW 13:00 - 14:25	107 DWN	
Ph 129B	3-0-6	Mathematical Methods of Physics <i>Group Theory</i>	01	Chen, X	TR 09:00 - 10:25	107 DWN	
Ph 135B	3-0-6	Applications of Quantum Mechanics <i>Quantum Optics</i>	01	Endres, M	TR 13:00 - 14:25	469 LAU	P
Ph 171	+	Reading and Independent Study	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P

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PHYSICS							
Ph 171	+	Reading and Independent Study	17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P

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PHYSICS							
Ph 171	+	Reading and Independent Study	50	Teukolsky, S	A	A	P
			51	Trojan, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P
			56	Zmuidzinas, J	A	A	P
Ph 172	+	Research in Experimental Physics	01	Adhikari, R	A	A	P
			02	Atwater, H	A	A	P
			03	Bock, J	A	A	P
			04	Eisenstein, J	A	A	P
			05	Endres, M	A	A	P
			06	Filippone, B	A	A	P
			07	Golwala, S	A	A	P
			08	Harrison, F	A	A	P
			09	Hitlin, D	A	A	P
			10	Hsieh, D	A	A	P
			11	Hunt, M	A	A	P
			12	Hutzler, N	A	A	P
			13	Kimble, H	A	A	P
			14	Knutson, H	A	A	P
			15	Libbrecht, K	A	A	P
			16	Martin, C	A	A	P
			17	Mawet, D	A	A	P
			18	Nad Perge, S	A	A	P
			19	Newman, H	A	A	P
			20	Oguri, H	A	A	P
			21	Painter, O	A	A	P
			22	Patterson, R	A	A	P
			23	Phillips, R	A	A	P
			24	Porter, F	A	A	P
			25	Prince, T	A	A	P
			26	Rosenbaum, T	A	A	P

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PHYSICS							
Ph 172	+	Research in Experimental Physics	27	Roukes, M	A	A	P
			28	Scherer, A	A	A	P
			29	Schwab, K	A	A	P
			30	Spiropulu, M	A	A	P
			31	Stone, E	A	A	P
			32	Weinstein, A	A	A	P
			33	Yeh, N	A	A	P
			34	Zmuidzinas, J	A	A	P
			35	Kirby, E	A	A	P
			36	Yue, Y	A	A	P
Ph 173	+	Research in Theoretical Physics	01	Alicea, J	A	A	P
			02	Bernardi, M	A	A	P
			03	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			04	Carroll, S	A	A	P
			05	Chen, X	A	A	P
			06	Chen, Y	A	A	P
			07	Cheung, C	A	A	P
			08	Gukov, S	A	A	P
			09	Hopkins, P	A	A	P
			10	Kapustin, A	A	A	P
			11	Kitaev, A	A	A	P
			12	Motrunich, O	A	A	P
			13	Phinney, E	A	A	P
			14	Politzer, H	A	A	P
			15	Preskill, J	A	A	P
			16	Refael, G	A	A	P
			17	Schwarz, J	A	A	P
			18	Simmons-Duffin, D	A	A	P
			19	Teukolsky, S	A	A	P
			20	Troian, S	A	A	P
			21	Wise, M	A	A	P
22	Yue, Y	A	A	P			

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PHYSICS							
Ph 173	+	Research in Theoretical Physics	23	Phillips, R	A	A	P
			24	Porter, F	A	A	P
			25	Scheel, M	A	A	P
Ph 205B	3-0-6	Relativistic Quantum Field Theory	01	Kapustin, A	MW 10:30 - 11:55	103 DWN	P
Ph/CS 219B	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	103 DWN	P
Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	
Ph 229A	3-0-6	Advanced Mathematical Methods of Physics	01	Simmons-Duffin, D	TR 09:00 - 10:25	469 LAU	P
Ph 230B	3-0-6	Elementary Particle Theory	01	Gukov, S	MW 09:00 - 10:25	469 LAU	P
Ph 236B	3-0-6	Relativity	01	Teukolsky, S	TR 14:30 - 15:55	103 DWN	P
Ph 242B	2-0-1	Physics Seminar	01	Stone, E	F 12:00 - 13:55	108 BRG	P
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
PHYSICS							
Ph 300	+	Thesis Research	14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P

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PHYSICS							
Ph 300	+	Thesis Research	47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P
			56	Zmuidzinas, J	A	A	P
			57	Marcolli, M	A	A	P
			58	Scoville, N	A	A	P
POLITICAL SCIENCE							
PS 020	3-0-6	Political-Economic Development and Material Culture <i>course counts as additional HSS, not intro SS // maximum enrollment: 30 students</i>	01	Ordeshook, P	T 14:30 - 15:55 R 14:30 - 15:55	237 BAX B133 BAX	
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Staff	A	A	
PS 123	3-0-6	Regulation and Politics <i>designated as Writing Intensive course // maximum enrollment: 35 students</i>	01	Kiewiet, D	W 19:00 - 21:55	B125 BAX	G
PS 125	3-0-6	Analyzing Political Conflict and Violence	01	Gibilisco, M	TR 10:30 - 11:55	128 BAX	G
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 15 students // Designated as Writing Intensive Course</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G

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POLITICAL SCIENCE							
PS 141A	3-0-6	A History of Budgetary Politics in the United States <i>designated as Writing Intensive course // maximum enrollment: 75 students</i>	01	Kiewiet, D	TR 14:30 - 15:55	B180 BBB	G
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	125 BAX	G
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260// Completion of Ec/PS 160A required for b and c classes //Max of 10 students for both Ec 160 & SS 260</i>	01	Plott, C	MW 13:00 - 13:55	127 BAX	G
PS/Ec 172	3-0-6	Game Theory	01	Tamuz, O	TR 14:30 - 15:55	Lecture Hall BAX	G
PSYCHOLOGY							
Psy101	3-0-6	Selected Topics in Psychology: Scientometrics: The Science of Being An Impactful Scientist <i>maximum enrollment: 12 students</i>	01	Mobbs, D	W 13:00 - 15:55	B119 BAX	G
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Sherman, R / Adolphs, R	M 19:00 - 20:55	B125 BAX	P
SOCIAL SCIENCE							
SS 098	+	Reading in Social Science <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
Ec/SS 124	3-0-6	Identification Problems in the Social Sciences <i>maximum enrollment: 30 students</i>	01	Sherman, R	TR 13:00 - 14:25	B125 BAX	

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SOCIAL SCIENCE							
CS/SS/Ec 149	3-0-6	Algorithmic Economics	01	Echenique, F / Pomatto, L	MWF 10:00 - 10:55	127 BAX	G
SS 201B	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only</i>	01	Tamuz, O	TR 10:30 - 11:55	B125 BAX	G
SS 202B	3-0-6	Political Theory <i>Open to Social Science graduate students only</i>	01	Katz, J	R 13:00 - 15:55	237 BAX	G
SS 205B	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Echenique, F	MWF 09:00 - 09:55	128 BAX	G
SS 210B	3-0-6	Foundations of Political Economy	01	Gibilisco, M	M 13:00 - 15:55	B119 BAX	G
SS 211B	3-0-6	Advanced Economic Theory <i>Open to Social Science graduate students only</i>	01	Saito, K	TR 17:00 - 18:25	125 BAX	G
SS/Ma 214	3-0-6	Mathematical Finance	01	Cvitanic, J	TR 14:30 - 15:55	228 BAX	
SS 222B	3-0-6	Econometrics <i>Open to graduate students only; if undergrads are instructor approved, their grade scheme is P/F</i>	01	Gillen, B	T 14:30 - 15:55 W 13:00 - 14:25	B133 BAX B133 BAX	G
SS 223B	3-0-6	Advanced Topics in Econometric Theory <i>open to graduate students only.</i>	01	Shum, M	M 13:00 - 15:55	B133 BAX	G
SS 228B	3-0-6	Applied Empirical Methods in the Social Sciences	01	Ewens, M	W 13:00 - 15:55	125 BAX	G
SS 229B	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Hoffman, P	MW 10:00 - 11:25	128 BAX	G
CNS/SS 251	2-1-6	Human Brain Mapping: Theory and Practice <i>Maximum enrollment: 20 students</i>	01	O'Doherty, J	R 13:30 - 15:25	106 ANB	G
SS 260	3-3-3	Experimental Methods of Political Economy <i>Taught concurrently with Ec/PS 160B // Maximum 10 students for both Ec 160 & SS 260</i>	01	Plott, C	MW 13:00 - 13:55	127 BAX	G

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SOCIAL SCIENCE							
SS 282B	2-0-1	Graduate Proseminar in Social Science	01	Camerer, C	M 13:00 - 14:25	128 BAX	P
SS/Psy/CNS 285	3-0-0	Topics in Social, Cognitive, and Decision Sciences	01	Sherman, R / Adolphs, R	M 19:00 - 20:55	B125 BAX	P
SS 300	+	Research in Social Science	01	Adolphs, R	A	A	P
			02	Palfrey, T	A	A	P
			03	Gillen, B	A	A	P
			04	O'Doherty, J	A	A	P
			05	Jin, J	A	A	P
			06	Katz, J	A	A	P
			07	Kiewiet, D	A	A	P
			08	Echenique, F	A	A	P
			09	Tamuz, O	A	A	P
			10	Plott, C	A	A	P
			11	Alvarez, R	A	A	P
			12	Camerer, C	A	A	P
			13	Border, K	A	A	P
			14	Cvitanic, J	A	A	P
			15	Snowberg, E	A	A	P
			16	Rosenthal, J	A	A	P
			18	Shum, M	A	A	P
			19	Rangel, A	A	A	P
			20	Yariv, L	A	A	P
			21	Perona, P	A	A	P
			23	Hoffman, P	A	A	P
			24	O'Doherty, J	A	A	P
			25	O'Doherty, J	A	A	P
			26	Lester, H	A	A	P
			27	Mobbs, D	A	A	P
STUDENT ACTIVITIES							

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STUDENT ACTIVITIES							
SA 016B	0-3-0	Cooking Basics <i>maximum enrollment: 16 students // location: 400 S. Hill</i>	01	Staff	R 18:30 - 21:25	A	P
SA 070B	2-0-1	Student-Taught Courses: Competitive eSports: Super Smash Bros. Melee <i>maximum enrollment: 12 students</i>	01	Rangel, A	OM,F 20:00 - 20:55 W 20:30 - 22:25	Library AVE Library AVE	P
SA 080B	1-1-1	Health Advocates <i>maximum enrollment: 24 students per section</i>	01 02	Stapf, M Stapf, M	W 19:00 - 21:55 R 19:00 - 21:55	YHC YHC	P P
STUDY ABROAD							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
UCL100	36-0-0	University College London Scholars Program	01	Staff	A	A	P
EDN100	36-0-0	University of Edinburgh Scholars Program	01	Staff	A	A	P
WRITING							
Wr 003	+	Reading and Composing Academic Writing <i>Class is taught as individually scheduled meetings // Organizational meeting Friday at noon in 115 Dabney</i>	01	Daley, C	A	A	P
Wr 004	1-0-2	Principles and Practices of Academic Writing	01	Hall, S	F 12:00 - 12:55	115 DAB	P
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P