

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


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

**GRADING SCHEME**


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

**TIMES/LOCATION/UNITS**


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

**DAYS OF THE WEEK**


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

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>AEROSPACE</b>							
Ae 100	+	Research in Aerospace	01	Culick, F	A	A	P
			02	McKeon, B	A	A	P
			03	Chung, S	A	A	P
			04	Leonard, A	A	A	P
			05	Pellegrino, S	A	A	P
			06	Blanquart, G	A	A	P
			07	Shepherd, J	A	A	P
			08	Gharib, M	A	A	P
			09	Meiron, D	A	A	P
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
Ae/APh 104A	3-0-6	Experimental Methods	01	McKeon, B	MWF 11:00 - 11:55	384 FIR	G
Ae 105A	3-0-6	Space Engineering	01	Chung, S / Lo, M	TR 16:30 - 17:55	384 FIR	G
Ae/ME 118	3-0-6	Classical Thermodynamics	01	Dimotakis, P	TR 13:00 - 14:25	384 FIR	P
Ae 121A	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	232 GUG	
Ae 150A	1-0-0	Aerospace Engineering Seminar	01	Meiron, D	M 13:00 - 13:55	133 GUG	P
EE/Ae 157A	3-0-6	Introduction to the Physics of Remote Sensing	01	Van Zyl, J	MW 14:30 - 15:55	B280 MRE	
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102a</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	
Ae 200	+	Advanced Research in Aerospace	01	Bhattacharya, K	A	A	P
			02	McKeon, B	A	A	P

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<b>AEROSPACE</b>							
Ae 200	+	Advanced Research in Aerospace	03	Blake, G	A	A	P
			04	Dimotakis, P	A	A	P
			05	Gharib, M	A	A	P
			06	Hornung, H	A	A	P
			07	Leonard, A	A	A	P
			08	Daraio, C	A	A	P
			09	Ortiz, M	A	A	P
			10	Pellegrino, S	A	A	P
			11	Pullin, D	A	A	P
			12	Ravichandran, G	A	A	P
			13	Rosakis, A	A	A	P
			14	Chung, S	A	A	P
			15	Colonus, T	A	A	P
			16	Shepherd, J	A	A	P
			17	Blanquart, G	A	A	P
			18	Lapusta, N	A	A	P
			19	Troian, S	A	A	P
			20	Schneider, T	A	A	P
			21	Greer, J	A	A	P
			22	Andrade, J	A	A	P
			23	Kochmann, D	A	A	P
			24	Gurnis, M	A	A	P
			25	Minnich, A	A	A	P
			26	Johnson, J	A	A	P
			27	Murray, R	A	A	P
			28	Austin, J	A	A	P
			29	Kulkarni, S	A	A	P
			30	Burdick, J	A	A	P
			31	Asimaki, D	A	A	P
			32	Chung, S	A	A	P
			33	Heaton, T	A	A	P
			34	Meiron, D	A	A	P
			35	Hunt, M	A	A	P

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<b>AEROSPACE</b>							
Ae 200	+	Advanced Research in Aerospace	36	Dickinson, M	A	A	P
Ae 208A	1-0-0	GALCIT Colloquium	01	McKeon, B / Chung, S	F 15:00 - 15:55	133 GUG	P
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Colonus, T	TR 14:30 - 15:55	115 GTL	
Ae 240	+	Special Topics in Fluid Mechanics	01	Meiron, D	A	A	P
Ae/AM/CE/ME/Ge 264	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	MWF 10:00 - 10:55	115 GTL	
<b>ANTHROPOLOGY</b>							
An 015	3-0-6	Human Evolution	01	Alex, B	TR 14:30 - 15:55	104 WAT	
An 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM080A	+	Undergraduate Thesis	01	Staff	A	A	P
ACM081A	+	Undergraduate Projects in Applied and Computational Mathematics	01	Effros, M	A	A	P
ACM/IDS 101A	4-4-4	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	213 ANB	
ACM/IDS 104	3-1-5	Applied Linear Algebra <i>Ma 1abc prerequisite enforced // class will meet in ANB 105 on 11/7/19</i>	01	Zuev, K	TR 10:30 - 11:55	119 KRK	
ACM/EE 106A	3-0-9	Introductory Methods of Computational Mathematics	01	Hosseini, B	TR 13:00 - 14:25	105 ANB	

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<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
CMS/ACM/IDS 107	3-3-6	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	213 ANB	
CMS/ACM/IDS 113	3-3-6	Mathematical Optimization	01	Chandrasekaran, V	MWF 10:30 - 11:55	213 ANB	
ACM/EE/IDS 116	3-1-5	Introduction to Probability Models <i>Ma 3 prerequisite enforced</i>	01	Zuev, K	TR 09:00 - 10:25	119 KRK	
ACM/IDS 154	3-0-6	Inverse Problems and Data Assimilation	01	Stuart, A	TR 13:00 - 14:25	213 ANB	
ACM190	+	Reading and Independent Study	01	Hou, Y	A	A	P
			02	Hassibi, B	A	A	P
			03	Espanol, M	A	A	P
			04	Heaton, T	A	A	P
			05	Owhadi, H	A	A	P
			06	Desbrun, M	A	A	P
ACM/IDS 213	3-0-6	Topics in Optimization	01	Chandrasekaran, V	MWF 13:00 - 14:25	314 ANB	
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Colonus, T	TR 14:30 - 15:55	115 GTL	
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	Beck, J	A	A	P
			06	Meiron, D	A	A	P
			07	Pierce, N	A	A	P
			08	Schroeder, P	A	A	P
			09	Owhadi, H	A	A	P
			10	Tropp, J	A	A	P
			12	Hassibi, B	A	A	P
			13	Stuart, A	A	A	P
			14	Graber, T	A	A	P

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<b>APPLIED MECHANICS</b>							
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151	3-0-6	Dynamics and Vibration	01	Asimaki, D	TR 13:00 - 14:25	115 GTL	G
AM 200	+	Advanced Work in Applied Mechanics	01	Staff	A	A	P
Ae/AM/CE/ME/Ge 264	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	MWF 10:00 - 10:55	115 GTL	
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
			<b>APPLIED PHYSICS</b>				
APh/EE 009A	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer, A	TR 13:00 - 13:55	B280 MRE	
APh078A	0-9-0	Senior Thesis, Experimental	01	Painter, O	A	A	G
			02	Vahala, K	A	A	G
			03	Atwater, H	A	A	G
			04	Scherer, A	A	A	G
			05	Bellan, P	A	A	G
			06	Phillips, R	A	A	G
			07	Troian, S	A	A	G
			08	Faraon, A	A	A	G
			09	Lewis, N	A	A	G
			10	Yung, Y	A	A	G

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<b>APPLIED PHYSICS</b>							
APh078A	0-9-0	Senior Thesis, Experimental	11	Schwab, K	A	A	G
			12	Endres, M	A	A	G
			13	Hajimiri, S	A	A	G
APh079A	0-9-0	Senior Thesis, Theoretical	01	Troian, S	A	A	G
			02	Kimble, H	A	A	G
APh100	+	Advanced Work in Applied Physics	01	Phillips, R	A	A	P
			02	Vahala, K	A	A	P
			03	Scherer, A	A	A	P
			04	Troian, S	A	A	P
			05	Faraon, A	A	A	P
			06	Atwater, H	A	A	P
			07	Roukes, M	A	A	P
			08	Choo, H	A	A	P
			09	Minnich, A	A	A	P
			10	Painter, O	A	A	P
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/APh 104A	3-0-6	Experimental Methods	01	McKeon, B	MWF 11:00 - 11:55	384 FIR	G
APh109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	OM,R 17:00 - 17:55	104 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	104 WAT	P
APh114A	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	104 WAT	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	B157 BRG	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure	01	Ahn, C	OM,W 17:00 - 17:55	111 KCK	

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<b>APPLIED PHYSICS</b>							
Ph/APh 137A	3-0-6	Atoms and Photons	01	Hutzler, N	TR 10:30 - 11:55	103 DWN	
APh156A	3-0-6	Plasma Physics <i>Make-up class on Fridays, 2:30-4pm in 104 Watson</i>	01	Bellan, P	MW 14:30 - 15:55	104 WAT	
EE/APh 180	3-0-3	Nanotechnology	01	Scherer, A	TR 14:30 - 15:55	B280 MRE	
APh200	+	Applied Physics Research	01	Atwater, H	A	A	P
			02	Desbrun, M	A	A	P
			03	Bellan, P	A	A	P
			04	Snyder, G	A	A	P
			05	Troian, S	A	A	P
			06	Fultz, B	A	A	P
			07	Johnson, W	A	A	P
			08	Chen, Y	A	A	P
			09	Minnich, A	A	A	P
			10	Refael, G	A	A	P
			11	Goddard, W	A	A	P
			12	Faraon, A	A	A	P
			13	Hsieh, D	A	A	P
			14	Preskill, J	A	A	P
			15	Faraon, A	A	A	P
			16	Yang, C	A	A	P
			17	Alicea, J	A	A	P
			18	Gharib, M	A	A	P
			19	Bernardi, M	A	A	P
			20	Painter, O	A	A	P
			21	Phillips, R	A	A	P
			22	Nad Perge, S	A	A	P
			23	Kimble, H	A	A	P
			24	Roukes, M	A	A	P
			25	Hutzler, N	A	A	P



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APh200	+	Applied Physics Research	26	Scherer, A	A	A	P
			27	Van Zyl, J	A	A	P
			28	Rosenbaum, T	A	A	P
			29	Yeh, N	A	A	P
			30	Heath, J	A	A	P
			31	Vahala, K	A	A	P
			32	Yariv, A	A	A	P
			33	Motrunich, O	A	A	P
			34	Adhikari, R	A	A	P
			35	Endres, M	A	A	P
			36	Elowitz, M	A	A	P
			41	Schwab, K	A	A	P
			42	Lewis, N	A	A	P
			43	Spiropulu, M	A	A	P
APh250	3-0-6	Advanced Topics in Applied Physics <i>taught concurrently with ME 201</i>	01	Minnich, A	MW 10:30 - 11:55	135 GTL	
APh300	+	Thesis Research in Applied Physics	01	Atwater, H	A	A	P
			02	Fultz, B	A	A	P
			03	Bellan, P	A	A	P
			04	Snyder, G	A	A	P
			05	Yariv, A	A	A	P
			06	Johnson, W	A	A	P
			07	Flagan, R	A	A	P
			08	Troian, S	A	A	P
			09	Painter, O	A	A	P
			10	Desbrun, M	A	A	P
			11	Hsieh, D	A	A	P
			12	Faraon, A	A	A	P
			13	Bhattacharya, K	A	A	P
			14	Faber, K	A	A	P
			15	Phillips, R	A	A	P
			16	Daraio, C	A	A	P

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<b>APPLIED PHYSICS</b>							
APh300	+	Thesis Research in Applied Physics	17	Bernardi, M	A	A	P
			18	Roukes, M	A	A	P
			19	Hutzler, N	A	A	P
			20	Scherer, A	A	A	P
			21	Rosenbaum, T	A	A	P
			24	Vahala, K	A	A	P
			25	Nad Perge, S	A	A	P
			27	Painter, O	A	A	P
			28	Schwab, K	A	A	P
			29	Chen, Y	A	A	P
<b>ASTROPHYSICS</b>							
Ay 020	3-1-5	Basic Astronomy and the Galaxy	01	Ravi, V	MWF 11:00 - 11:55	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 - 20:55	A	P
Ay 043	+	Reading in Astronomy and Astrophysics	01	Staff	A	A	P
Ay 078A	9-0-0	Senior Thesis	01	Bock, J	A	A	
			02	Djorgovski, S	A	A	
			03	Fuller, J	A	A	
			04	Hallinan, G	A	A	
			05	Harrison, F	A	A	
			06	Hillenbrand, L	A	A	
			07	Hopkins, P	A	A	
			08	Howard, A	A	A	
			09	Kasliwal, M	A	A	
			10	Kirby, E	A	A	
			11	Knutson, H	A	A	
			12	Kulkarni, S	A	A	
			13	Martin, C	A	A	
			14	Mawet, D	A	A	

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<b>ASTROPHYSICS</b>							
Ay 078A	9-0-0	Senior Thesis	15	Phinney, E	A	A	
			16	Prince, T	A	A	
			17	Sargent, A	A	A	
			18	Steidel, C	A	A	
			19	Zmuidzinas, J	A	A	
Ay 101	3-0-6	Physics of Stars	01	Fuller, J	MWF 09:00 - 09:55	219 CHL	
Ay 121	3-0-6	Radiative Processes	01	Phinney, E	MW 13:00 - 13:55	219 CHL	
					F 14:00 - 14:55	219 CHL	
Ay 122A	3-0-6	Astronomical Measurements and Instrumentation	01	Howard, A / Martin, C	MW 10:00 - 11:25	A	
Ay 123	3-0-6	Structure and Evolution of Stars	01	Hillenbrand, L / Kirby, E	TR 13:00 - 14:25	219 CHL	
Ay 141A	1-0-2	Research Conference in Astronomy	01	Mawet, D	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Bock, J	A	A	P
			02	Djorgovski, S	A	A	P
			03	Fuller, J	A	A	P
			04	Hallinan, G	A	A	P
			05	Harrison, F	A	A	P
			06	Hillenbrand, L	A	A	P
			07	Hopkins, P	A	A	P
			08	Howard, A	A	A	P
			09	Kasliwal, M	A	A	P
			10	Kirby, E	A	A	P
			11	Knutson, H	A	A	P
			12	Kulkarni, S	A	A	P
			13	Martin, C	A	A	P
			14	Mawet, D	A	A	P
			15	Phinney, E	A	A	P
			16	Prince, T	A	A	P

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<b>ASTROPHYSICS</b>							
Ay 142	+	Research in Astronomy and Astrophysics	17	Sargent, A	A	A	P
			18	Steidel, C	A	A	P
			19	Zmuidzinas, J	A	A	P
			20	Hopkins, P	A	A	P
			21	Batygin, K	A	A	P
			22	Blake, G	A	A	P
Ay 143	+	Reading and Independent Study	01	Bock, J	A	A	P
			02	Djorgovski, S	A	A	P
			03	Fuller, J	A	A	P
			04	Hallinan, G	A	A	P
			05	Harrison, F	A	A	P
			06	Hillenbrand, L	A	A	P
			07	Hopkins, P	A	A	P
			08	Howard, A	A	A	P
			09	Kasliwal, M	A	A	P
			10	Kirby, E	A	A	P
			11	Knutson, H	A	A	P
			12	Kulkarni, S	A	A	P
			13	Martin, C	A	A	P
			14	Mawet, D	A	A	P
			15	Phinney, E	A	A	P
			16	Prince, T	A	A	P
			17	Sargent, A	A	A	P
			18	Steidel, C	A	A	P
			19	Zmuidzinas, J	A	A	P
			20	Batygin, K	A	A	P
			21	Blake, G	A	A	P
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB/Bi/Ch 174	3-0-3	Advanced Topics in Biochemistry	01	Shan, S	TR 12:00 - 13:25	320 BRN	G

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB/Ch 202A	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 11:00 - 11:55	320 BRN	P
Bi/BMB 251A	1-0-0	Current Research in Cellular and Molecular Biology	01	Hay, B	W 12:00 - 12:55	B180 BBB	P
BMB299	+	Graduate Research	01	Arnold, F	A	A	P
			02	Bjorkman, P	A	A	P
			03	Hoelz, A	A	A	P
			04	Campbell, J	A	A	P
			05	Phillips, R	A	A	P
			06	Davidson, E	A	A	P
			07	Dervan, P	A	A	P
			08	Dougherty, D	A	A	P
			09	Fraser, S	A	A	P
			10	Goddard, W	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Jensen, G	A	A	P
			13	Baltimore, D	A	A	P
			14	Davis, M	A	A	P
			15	Mayo, S	A	A	P
			16	Parker, C	A	A	P
			17	Hay, B	A	A	P
			18	Leadbetter, J	A	A	P
			19	Chan, D	A	A	P
			20	Cai, L	A	A	P
			21	Newman, D	A	A	P
			22	Kennedy, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Patterson, P	A	A	P
			25	Lester, H	A	A	P
			26	Sternberg, P	A	A	P
			27	Meyerowitz, E	A	A	P
			28	Shan, S	A	A	P

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	29	Wold, B	A	A	P
			30	Dunphy, W	A	A	P
			31	Heath, J	A	A	P
			32	Gray, H	A	A	P
			33	Gharib, M	A	A	P
			34	Rees, D	A	A	P
			35	Tirrell, D	A	A	P
			36	Barton, J	A	A	P
			37	Clemons, W	A	A	P
			38	Leadbetter, J	A	A	P
			39	Murray, R	A	A	P
			40	Mazmanian, S	A	A	P
			41	Baltimore, D	A	A	P
			42	Wang, Z	A	A	P
			43	Pierce, N	A	A	P
			44	Roukes, M	A	A	P
			45	Gray, H	A	A	P
			46	Varshavsky, A	A	A	P
			47	Goentoro, L	A	A	P
			48	Greer, J	A	A	P
			49	Anderson, D	A	A	P
			50	Hoelz, A	A	A	P
			51	Deshaies, R	A	A	P
			52	Rothenberg, E	A	A	P
			53	Meister, M	A	A	P
			54	Shapiro, M	A	A	P
			55	Ismagilov, R	A	A	P
			56	Miller, T	A	A	P
			57	Guttman, M	A	A	P
			58	Zinn, K	A	A	P
			59	Ondrus, A	A	A	P
			60	Rothmund, P	A	A	P
			61	Voorhees, R	A	A	P

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	62	Winfree, E	A	A	P
			63	Pachter, L	A	A	P
<b>BIOENGINEERING</b>							
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers <i>This class is limited to 20 seniors with priority given to seniors in Biology and Bioengineering.</i>	01	MacLean, S	TR 10:30 - 11:55	B101 BBB	G
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	Qian, L	A	A	P
			03	Burdick, J	A	A	P
			04	Sternberg, P	A	A	P
			05	Kennedy, M	A	A	P
			06	Shan, S	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Aravin, A	A	A	P
			10	Lester, H	A	A	P
			11	Gradinaru, V	A	A	P
			12	Pierce, N	A	A	P
			13	Mayo, S	A	A	P
			14	Ponce, A	A	A	P
			15	Yue, Y	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	Ondrus, A	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			

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<b>BIOENGINEERING</b>										
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	30	Kornfield, J	A	A	P			
			31	Baltimore, D	A	A	P			
			32	Shimojo, S	A	A	P			
			33	Dervan, P	A	A	P			
			34	Guttman, M	A	A	P			
			35	Bjorkman, P	A	A	P			
			36	Ismagilov, R	A	A	P			
			37	Oka, Y	A	A	P			
			38	Shapiro, M	A	A	P			
			39	Thomson, M	A	A	P			
			40	Dickinson, M	A	A	P			
			41	Van Valen, D	A	A	P			
			42	Meister, M	A	A	P			
			43	Wang, K	A	A	P			
BE/Bi 103A	1-3-5	Introduction to Data Analysis in the Biological Sciences	01	Bois, J	M 13:00 - 15:55 W 09:00 - 09:55	200 BRD 100 - Rock Auditorium BRD				
			02	Bois, J	M 13:00 - 15:55 W 10:00 - 10:55	200 BRD 100 - Rock Auditorium BRD				
			03	Bois, J	M 19:00 - 21:55 W 09:00 - 09:55	200 BRD 100 - Rock Auditorium BRD				
			04	Bois, J	M 19:00 - 21:55 W 10:00 - 10:55	200 BRD 100 - Rock Auditorium BRD				
			05	Bois, J	M 09:00 - 11:55 W 09:00 - 09:55	200 BRD 100 - Rock Auditorium BRD				
			06	Bois, J	M 09:00 - 11:55 W 10:00 - 10:55	200 BRD 100 - Rock Auditorium BRD				
			Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	B157 BRG	



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<b>BIOENGINEERING</b>							
ChE/BE 163	3-0-9	Introduction to Biomolecular Engineering	01	Pierce, N / Arnold, F	TR 13:00 - 14:25	153 NYS	
BE 167	1-0-0	Research Topics in Bioengineering <i>Required for first year grad students in BE //</i> <i>Roll will be taken at each meeting</i>	01	Cai, L	T 15:00 - 15:55	300 BRD	P
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Bois, J	TR 10:30 - 11:55	108 KCK	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Phillips, R	A	A	P
			03	Burdick, J	A	A	P
			04	Goddard, W	A	A	P
			05	Dervan, P	A	A	P
			06	Hong, E	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
			12	Pierce, N	A	A	P
			13	Gradinaru, V	A	A	P
			14	Ponce, A	A	A	P
			15	Troian, S	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Baltimore, D	A	A	P
			22	Guttman, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Kornfield, J	A	A	P
			26	Leadbetter, J	A	A	P

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<b>BIOENGINEERING</b>							
BE 200	+	Research in Bioengineering	27	Winfree, E	A	A	P
			28	Meister, M	A	A	P
			29	Bjorkman, P	A	A	P
			30	Shimojo, S	A	A	P
			31	Shapiro, M	A	A	P
			32	Sternberg, P	A	A	P
			33	Rothmund, P	A	A	P
			34	Shapiro, B	A	A	P
			35	Goentoro, L	A	A	P
			36	Andersen, R	A	A	P
			37	Qian, L	A	A	P
			38	Dickinson, M	A	A	P
			39	Mayo, S	A	A	P
			40	Greer, J	A	A	P
			41	Thomson, M	A	A	P
			42	Pachter, L	A	A	P
			43	Mazmanian, S	A	A	P
44	Lois, C	A	A	P			
45	Wang, K	A	A	P			
46	Ismagilov, R	A	A	P			
47	Van Valen, D	A	A	P			
<b>BIOLOGY</b>							
Bi 002	1-0-2	Current Research in Biology	01	Elowitz, M	T 12:00 - 12:55	119 KRK	P
Bi 021	+	Undergraduate Research with Presentation <i>minimum 12 units per term</i>	01	Staff	A	A	P
Bi 022	+	Undergraduate Research	01	Adolphs, R	A	A	P
			02	Bronner Hansen, M	A	A	P
			03	Allman, J	A	A	P
			04	Campbell, J	A	A	P
			05	Lester, H	A	A	P

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<b>BIOLOGY</b>							
Bi 022	+	Undergraduate Research	06	Bjorkman, P	A	A	P
			07	Arnold, F	A	A	P
			08	Rothenberg, E	A	A	P
			09	Varshavsky, A	A	A	P
			10	Sternberg, P	A	A	P
			11	Fraser, S	A	A	P
			12	Meyerowitz, E	A	A	P
			13	Kennedy, M	A	A	P
			14	Mazmanian, S	A	A	P
			15	Winfree, E	A	A	P
			16	Thomson, M	A	A	P
			17	Orphan, V	A	A	P
			18	Shapiro, M	A	A	P
			22	Patterson, P	A	A	P
			24	Wold, B	A	A	P
			32	Goddard, W	A	A	P
			33	Elowitz, M	A	A	P
			37	Stathopoulos, A	A	A	P
			38	Chan, D	A	A	P
			39	Stevenson, D	A	A	P
			40	Parker, C	A	A	P
			41	Hay, B	A	A	P
			43	Shimojo, S	A	A	P
			44	Sauka-Spengler, T	A	A	P
			45	Clemons, W	A	A	P
			46	Baltimore, D	A	A	P
			47	Tirrell, D	A	A	P
			48	Anderson, D	A	A	P
			52	Prober, D	A	A	P
			53	Newman, D	A	A	P
			54	Gradinaru, V	A	A	P
			55	Guttman, M	A	A	P
			56	Meister, M	A	A	P

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<b>BIOLOGY</b>							
Bi 022	+	Undergraduate Research	57	Goentoro, L	A	A	P
			58	Stevenson, D	A	A	P
			60	Hsiao, E	A	A	P
			61	Shan, S	A	A	P
			62	Cai, L	A	A	P
			63	Pachter, L	A	A	P
			64	Wei, L	A	A	P
			65	Ondrus, A	A	A	P
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers <i>This class is limited to 20 seniors with priority given to seniors in Biology and Bioengineering.</i>	01	MacLean, S	TR 10:30 - 11:55	B101 BBB	G
Bi 090A	+	Undergraduate Thesis	01	Bjorkman, P / Lester, H	A	A	P
			02	Bjorkman, P / Davidson, E	A	A	P
			03	Bjorkman, P / Sternberg, P	A	A	P
			04	Bjorkman, P / Davis, M	A	A	P
			05	Bjorkman, P / Newman, D	A	A	P
			06	Bjorkman, P / Baltimore, D	A	A	P
			07	Bjorkman, P / Fejes Toth, K	A	A	P
			08	Bjorkman, P / Anderson, D	A	A	P
			10	Gradinaru, V / Bjorkman, P	A	A	P
			11	Bjorkman, P / Rothenberg, E	A	A	P
			12	Bjorkman, P / Doyle, J	A	A	P
			13	Wold, B / Bjorkman, P	A	A	P
			14	Mazmanian, S / Bjorkman, P	A	A	P
			15	Siapas, A / Bjorkman, P	A	A	P

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<b>BIOLOGY</b>							
Bi 090B	+	Undergraduate Thesis	01	Bjorkman, P / Bronner Hansen, M	A	A	P
BE/Bi 103A	1-3-5	Introduction to Data Analysis in the Biological Sciences	01	Bois, J	M 13:00 - 15:55 W 09:00 - 09:55	200 BRD 100 - Rock Auditorium BRD	
			02	Bois, J	M 13:00 - 15:55 W 10:00 - 10:55	200 BRD 100 - Rock Auditorium BRD	
			03	Bois, J	M 19:00 - 21:55 W 09:00 - 09:55	200 BRD 100 - Rock Auditorium BRD	
			04	Bois, J	M 19:00 - 21:55 W 10:00 - 10:55	200 BRD 100 - Rock Auditorium BRD	
			05	Bois, J	M 09:00 - 11:55 W 09:00 - 09:55	200 BRD 100 - Rock Auditorium BRD	
			06	Bois, J	M 09:00 - 11:55 W 10:00 - 10:55	200 BRD 100 - Rock Auditorium BRD	
Bi/Ch 110	4-0-8	Introduction to Biochemistry <i>Taught by Biochemistry faculty</i>	01	Clemons, W	TR 11:00 - 11:55 W 14:00 - 14:55 W 15:00 - 15:55	147 NYS 147 NYS 152 BRN	
Bi 122	3-0-6	Genetics <i>no time conflicts are permitted</i>	01	Sternberg, P	TR 13:00 - 14:25	119 KRK	G
Bi 145A	3-0-6	Tissue and Organ Physiology	01	Tydell, C	MW 19:00 - 20:25	152 BRN	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	B101 BBB	
Bi 165	2-3-1	Microbiology Research: Practice and Proposal	01	Hoy, J	M 11:00 - 11:55	101 KRK	P
ESE/Bi 166	3-1-5	Microbial Physiology	01	Leadbetter, J	MWF 09:00 - 09:55	215 NMD	

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<b>BIOLOGY</b>							
BMB/Bi/Ch 174	3-0-3	Advanced Topics in Biochemistry	01	Shan, S	TR 12:00 - 13:25	320 BRN	G
Bi 190	2-0-4	Systems Genetics <i>course cancelled</i>	01	Staff	A	A	
Bi 192	2-0-4	Introduction to Systems Biology	01	Goentoro, L	TR 10:30 - 11:55	101 KRK	
Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Meister, M	WF 10:30 - 11:55	B101 BBB	
Bi/CNS/NB 216	2-0-4	Behavior of Mammals	01	Allman, J	WF 14:00 - 15:55	200 BRD	G
Bi 250A	3-0-6	Topics in Molecular and Cellular Biology	01	Aravin, A / Voorhees, R	TR 14:30 - 15:55	152 BRN	P
Bi/BMB 251A	1-0-0	Current Research in Cellular and Molecular Biology	01	Hay, B	W 12:00 - 12:55	B180 BBB	P
Bi 299	+	Graduate Research	01	Kirschvink, J	A	A	P
			02	Ondrus, A	A	A	P
			03	Allman, J	A	A	P
			04	Anderson, D	A	A	P
			05	Arnold, F	A	A	P
			06	Qian, L	A	A	P
			07	Pierce, N	A	A	P
			08	Bjorkman, P	A	A	P
			09	Bronner Hansen, M	A	A	P
			10	Campbell, J	A	A	P
			11	Chan, D	A	A	P
			12	Thomson, M	A	A	P
			13	Pachter, L	A	A	P
			14	Camerer, C	A	A	P
			15	Dunphy, W	A	A	P
			16	Baltimore, D	A	A	P
			17	Gharib, M	A	A	P

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Bi 299	+	Graduate Research	18	Kennedy, M	A	A	P
			19	Orphan, V	A	A	P
			20	Hsieh-Wilson, L	A	A	P
			21	Cai, L	A	A	P
			22	Guo, C	A	A	P
			23	Mayo, S	A	A	P
			24	Goentoro, L	A	A	P
			25	Newman, D	A	A	P
			26	Meyerowitz, E	A	A	P
			27	Lois, C	A	A	P
			28	Newman, H	A	A	P
			29	Adolphs, R	A	A	P
			30	Shapiro, M	A	A	P
			31	Meister, M	A	A	P
			32	Oka, Y	A	A	P
			33	Ismagilov, R	A	A	P
			34	Shimojo, S	A	A	P
			35	Lester, H	A	A	P
			36	Sternberg, P	A	A	P
			37	Rothenberg, E	A	A	P
			38	Varshavsky, A	A	A	P
			39	Wold, B	A	A	P
			40	Zinn, K	A	A	P
			41	Jensen, G	A	A	P
			42	Heath, J	A	A	P
			43	Siapas, A	A	A	P
			44	Andersen, R	A	A	P
			45	Dickinson, M	A	A	P
			46	Leadbetter, J	A	A	P
			47	Winfree, E	A	A	P
			48	Tsao, D	A	A	P
			49	Prober, D	A	A	P
			50	Elowitz, M	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	51	Stathopoulos, A	A	A	P
			52	Mazmanian, S	A	A	P
			53	Clemons, W	A	A	P
			54	Hay, B	A	A	P
			55	Aravin, A	A	A	P
			56	Dougherty, D	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Murray, R	A	A	P
			59	Burdick, J	A	A	P
			60	Gradinaru, V	A	A	P
			61	Guttman, M	A	A	P
			62	Scherer, A	A	A	P
			63	Hong, E	A	A	P
			64	Phillips, R	A	A	P
			65	Doyle, J	A	A	P
			66	Van Valen, D	A	A	P
			67	Voorhees, R	A	A	P
			68	Parker, J	A	A	P
			69	Roukes, M	A	A	P
			70	Wang, K	A	A	P
			71	Shan, S	A	A	P
			72	Rees, D	A	A	P
			73	Fischer, W	A	A	P
			74	Zernicka-Goetz, M	A	A	P
<b>BUSINESS, ECONOMICS, AND MANAGEMENT</b>							
BEM/Ec/PS 080	1-0-0	Frontiers in Social Sciences	01	Cvitanic, J	M 12:00 - 12:55	128 BAX	P
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P
BEM101	+	Selected Topics in Business Economics and Management: Behavioral IO	01	Schenone, P	TR 09:00 - 10:25	B133 BAX	G



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<b>BUSINESS, ECONOMICS, AND MANAGEMENT</b>							
BEM101	+	Selected Topics in Business Economics and Management: Behavioral IO <i>taught concurrently with Ec 101</i>					
BEM105	3-0-6	Options	01	Cvitanic, J	TR 14:30 - 15:55	B125 BAX	
BEM/Ec/ESE 119	3-0-6	Environmental Economics	01	Ledyard, J	TR 10:30 - 11:55	B119 BAX	
<b>CHEMICAL ENGINEERING</b>							
ChE015	1-4-4	Introduction to Chemical Engineering Computation	01	Flagan, R	TR 09:00 - 10:55	115 BCK	
ChE070	+	Special Topics in Chemical Engineering: Chem-E Car <i>3 units (0-3-0)</i>	01	Brady, J / Vicic, M	OM,W 12:00 - 12:55	122 SPL	
ChE080	+	Undergraduate Research	01	Flagan, R	A	A	P
			02	Shapiro, M	A	A	P
			03	Fultz, B	A	A	P
			04	Lewis, N	A	A	P
			05	Davis, M	A	A	P
			06	Grubbs, R	A	A	P
			07	Brady, J	A	A	P
			08	Agapie, T	A	A	P
			33	Atwater, H	A	A	P
			34	Seinfeld, J	A	A	P
			35	Arnold, F	A	A	P
			36	Tirrell, D	A	A	P
			37	Kornfield, J	A	A	P
			38	Giapis, K	A	A	P
			39	Goddard, W	A	A	P
			40	Hoelz, A	A	A	P
ChE090A	+	Senior Thesis	01	Giapis, K	A	A	P
			02	Arnold, F	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
<b>CHEMICAL ENGINEERING</b>										
ChE090A	+	Senior Thesis	03	Flagan, R	A	A	P			
			04	Mayo, S	A	A	P			
			05	Lewis, N	A	A	P			
			06	Atwater, H	A	A	P			
			07	Brady, J	A	A	P			
			08	Ismagilov, R	A	A	P			
			09	Tirrell, D	A	A	P			
			10	Seinfeld, J	A	A	P			
			11	Kornfield, J	A	A	P			
			12	Wang, Z	A	A	P			
			Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 13:00 - 14:55	101 SCH	G
			ChE103A	3-0-6	Transport Phenomena	01	Kornfield, J	MWF 10:00 - 10:55	106 SPL	
ChE126	1-6-2	Chemical Engineering Laboratory <i>Maximum Enrollment: 12 students per section //</i> <i>If unable to register, please contact instructor.</i>	01	Vicic, M	A	A	G			
			02	Vicic, M	MW 13:00 - 15:55	122 SPL	G			
			03	Vicic, M	TR 13:00 - 15:55	122 SPL	G			
Ch/ChE 147	3-0-6	Polymer Chemistry	01	Robb, M	TR 09:00 - 10:25	147 NYS				
ChE152	3-0-6	Heterogeneous Kinetics and Reaction Engineering	01	Giapis, K	TR 09:00 - 10:25	106 SPL				
ChE/BE 163	3-0-9	Introduction to Biomolecular Engineering	01	Pierce, N / Arnold, F	TR 13:00 - 14:25	153 NYS				
ChE/Ch 165	3-0-6	Chemical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL				
ChE174	3-0-6	Special Topics in Transport Phenomena	01	Brady, J	T 13:00 - 14:55	102 SPL				
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P			
			02	Ismagilov, R	A	A	P			
			03	Atwater, H	A	A	P			

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<b>CHEMICAL ENGINEERING</b>							
ChE280	+	Chemical Engineering Research	04	Elowitz, M	A	A	P
			05	Pierce, N	A	A	P
			06	Murray, R	A	A	P
			07	Brady, J	A	A	P
			08	Stoltz, B	A	A	P
			09	Snyder, G	A	A	P
			10	Davis, M	A	A	P
			11	Fultz, B	A	A	P
			12	Bercaw, J	A	A	P
			13	Flagan, R	A	A	P
			14	Shapiro, M	A	A	P
			15	Dougherty, D	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	See, K	A	A	P
			19	Hoffmann, M	A	A	P
			20	Chan, G	A	A	P
			21	Kornfield, J	A	A	P
			22	Troian, S	A	A	P
			23	Lewis, N	A	A	P
			24	Robb, M	A	A	P
			25	Wei, L	A	A	P
			26	Pachter, L	A	A	P
			35	Seinfeld, J	A	A	P
			37	Tirrell, D	A	A	P
38	Wang, Z	A	A	P			
40	Yung, Y	A	A	P			
42	Heath, J	A	A	P			
43	Haile, S	A	A	P			
44	Greer, J	A	A	P			
45	Miller, T	A	A	P			

**CHEMISTRY**

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<b>CHEMISTRY</b>							
Ch 001A	3-0-3	General Chemistry	01	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 152 BRN	P
			02	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX B180 BBB	P
			03	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 119 DWN	P
			04	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 102 SPL	P
			05	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 115 BCK	P
			06	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 155 ARM	P
			07	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 142 KCK	P
			08	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX B111 DWN	P
			09	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 102 STL	P
			10	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 200 BRD	P
			11	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX B280 MRE	P
			12	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	Lecture Hall BAX 153 NYS	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	T 08:00 - 10:55 F 13:00 - 13:55	107 MEAD 153 NYS	P
			02	Mendez, J	T 13:00 - 15:55 F 13:00 - 13:55	107 MEAD 153 NYS	P
			03	Mendez, J	T 19:00 - 21:55 F 13:00 - 13:55	107 MEAD 153 NYS	P
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Maximum Enrollment: 20 students per section</i>	01	Mendez, J	F 09:00 - 09:55 W 13:00 - 15:55 OM,W 09:00 - 09:55	151 CRL 107 MEAD 147 NYS	P

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<b>CHEMISTRY</b>							
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Maximum Enrollment: 20 students per section</i>	02	Mendez, J	F 09:00 - 09:55 R 08:00 - 10:55 OM,W 09:00 - 09:55	151 CRL 107 MEAD 147 NYS	P
Ch 008	1-6-2	Experimental Procedures of Synthetic Chemistry for Premedical Students <i>Section times will be: Tuesdays 8-11am and Thursdays 8-11am. Lecture 151 Crellin Friday 11am.</i>	01	Mendez, J	F 11:00 - 11:55 TR 08:00 - 10:55	151 CRL 105 MEAD	
Ch 010A	1-0-0	Frontiers in Chemistry <i>Lab tour times to be determined.</i>	01	Dervan, P / Hoelz, A	R 12:00 - 12:55 A	147 NYS A	P
Ch 015	0-6-4	Chemical Equilibrium and Analysis Laboratory <i>class cancelled - to be taught spring term</i>	01	Staff	OM,A	A	
Ch 021A	3-0-6	Physical Chemistry	01	Chan, G	MWF 13:00 - 13:55	147 NYS	G
Ch 041A	4-0-5	Organic Chemistry <i>maximum enrollment: 20 students per section</i>	01	Grubbs, R	MWF 09:00 - 09:55 W 15:00 - 15:55	153 NYS 151 CRL	
			02	Grubbs, R	MWF 09:00 - 09:55 W 20:00 - 20:55	153 NYS 151 CRL	
			03	Grubbs, R	MWF 09:00 - 09:55 R 15:00 - 15:55	153 NYS 151 CRL	
			04	Grubbs, R	MWF 09:00 - 09:55 R 20:00 - 20:55	153 NYS 151 CRL	
Ch 080	+	Chemical Research	01	Dougherty, D	A	A	P
			02	Hoffmann, M	A	A	P
			03	Grubbs, R	A	A	P
			04	Hoelz, A	A	A	P
			05	Gray, H	A	A	P
			06	Chan, G	A	A	P
			07	Agapie, T	A	A	P
			08	Shapiro, M	A	A	P
			09	Heath, J	A	A	P

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<b>CHEMISTRY</b>							
Ch 080	+	Chemical Research	10	Reisman, S	A	A	P
			11	Goddard, W	A	A	P
			12	Rossman, G	A	A	P
			13	Virgil, S	A	A	P
			14	Clemons, W	A	A	P
			15	Okumura, M	A	A	P
			16	Gao, W	A	A	P
			17	Blake, G	A	A	P
			18	Peters, J	A	A	P
			19	Stoltz, B	A	A	P
			20	Rees, D	A	A	P
Ch 081	+	Independent Reading in Chemistry	02	Heath, J	A	A	P
			04	Grubbs, R	A	A	P
			05	Gray, H	A	A	P
			06	Goddard, W	A	A	P
			07	Agapie, T	A	A	P
			22	Lewis, N	A	A	P
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01	Grubbs, R / Agapie, T	A	A	P
			02	Hoelz, A / Agapie, T	A	A	P
			03	Peters, J / Agapie, T	A	A	P
			04	Tirrell, D / Agapie, T	A	A	P
			05	Stoltz, B / Agapie, T	A	A	P
			06	Agapie, T	A	A	P
			07	Gray, H / Agapie, T	A	A	P
			08	Asimow, P / Agapie, T	A	A	P
			09	Dougherty, D / Agapie, T	A	A	P
			10	Hsieh-Wilson, L / Agapie, T	A	A	P
			11	Wei, L / Agapie, T	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 13:00 - 14:55	101 SCH	G

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<b>CHEMISTRY</b>							
Bi/Ch 110	4-0-8	Introduction to Biochemistry <i>Taught by Biochemistry faculty</i>	01	Clemons, W	TR 11:00 - 11:55 W 14:00 - 14:55 W 15:00 - 15:55	147 NYS 147 NYS 152 BRN	
Ch 112	3-0-6	Inorganic Chemistry	01	Agapie, T / Hadt, R	TR 14:30 - 15:55	147 NYS	
Ch 117	3-0-6	Introduction to Electrochemistry	01	See, K	MWF 11:00 - 11:55	147 NYS	
Ch 120B	1-1-7	Nature of the Chemical Bond	01	Goddard, W	W 15:00 - 15:55	115 BCK	
Ch 122	3-0-6	Structure Determination by X-ray Crystallography	01	Takase, M	MWF 09:00 - 09:55	115 BCK	G
Ch 125A	3-0-6	The Elements of Quantum Chemistry	01	Cushing, S	TR 13:00 - 14:25	147 NYS	G
Ge/Ch 127	3-0-6	Nuclear Chemistry	01	Burnett, D	MWF 11:00 - 11:55	215 NMD	G
Ge/Ch 128	3-0-6	Cosmochemistry	01	Blake, G	TR 14:30 - 15:55	162 SMD	
Ch 144B	3-0-6	Advanced Organic Chemistry <i>class cancelled</i>	01	Staff	A	A	G
Ch 145	3-0-6	Bioorganic Chemistry of Proteins	01	Ondrus, A	MW 09:00 - 09:55 F 09:00 - 09:55	151 CRL 101 SCH	G
Ch/ChE 147	3-0-6	Polymer Chemistry	01	Robb, M	TR 09:00 - 10:25	147 NYS	
Ch 149	2-0-4	Tutorial in Organic Chemistry <i>Prerequisite: Ch 41abc &amp; instructor's permission.</i>	01 02 03	Fu, G Stoltz, B Ondrus, A	MWF 14:00 - 15:55 MWF 14:00 - 15:55 MWF 14:00 - 15:55	218 SCH 318 SCH 102 SPL	P P P
ChE/Ch 165	3-0-6	Chemical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	

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<b>CHEMISTRY</b>							
BMB/Bi/Ch 174	3-0-3	Advanced Topics in Biochemistry	01	Shan, S	TR 12:00 - 13:25	320 BRN	G
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
			02	Goddard, W	A	A	P
			21	Gray, H	A	A	P
			22	Lewis, N	A	A	P
			38	Weitekamp, D	A	A	P
BMB/Ch 202A	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 11:00 - 11:55	320 BRN	P
Ch 213A	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	G
Ch 242A	3-0-6	Chemical Synthesis <i>Lecture MWF 10-11am -- Recitation T 7-9pm -- Tutorial R 7-9pm</i>	01	Stoltz, B	MWF 10:00 - 10:55	147 NYS	
					TR 19:00 - 20:55	147 NYS	
Ch 279	+	Rotations in Chemistry	01	Agapie, T	A	A	P
			02	Arnold, F	A	A	P
			03	Atwater, H	A	A	P
			04	Barton, J	A	A	P
			05	Beauchamp, J	A	A	P
			06	Bjorkman, P	A	A	P
			07	Blake, G	A	A	P
			08	Blanquart, G	A	A	P
			09	Campbell, J	A	A	P
			10	Chan, G	A	A	P
			11	Clemons, W	A	A	P
			12	Davis, M	A	A	P
			13	Dervan, P	A	A	P
			14	Dougherty, D	A	A	P
			15	Elowitz, M	A	A	P
			16	Fu, G	A	A	P
			17	Goddard, W	A	A	P
			18	Gray, H	A	A	P



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

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Ch 279	+	Rotations in Chemistry	52	Cushing, S	A	A	P
			53	Hadt, R	A	A	P
Ch 280	+	Chemical Research	01	Adkins, J	A	A	P
			02	Arnold, F	A	A	P
			03	Bjorkman, P	A	A	P
			04	Atwater, H	A	A	P
			05	Barton, J	A	A	P
			06	Wei, L	A	A	P
			07	Bercaw, J	A	A	P
			08	Blake, G	A	A	P
			09	Wang, Z	A	A	P
			10	Newman, D	A	A	P
			11	Shimojo, S	A	A	P
			12	Eiler, J	A	A	P
			13	Davis, M	A	A	P
			14	Dervan, P	A	A	P
			15	Dougherty, D	A	A	P
			16	Reisman, S	A	A	P
			17	Blanquart, G	A	A	P
			18	Miller, T	A	A	P
			19	Clemons, W	A	A	P
			20	Goddard, W	A	A	P
			21	Gray, H	A	A	P
			22	Grubbs, R	A	A	P
			23	Heath, J	A	A	P
			24	Hsieh-Wilson, L	A	A	P
			25	Hoffmann, M	A	A	P
			26	Kornfield, J	A	A	P
			27	Hoelz, A	A	A	P
			28	Lewis, N	A	A	P
			29	Peters, J	A	A	P
			30	Parker, J	A	A	P
			31	Mayo, S	A	A	P

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Ch 280	+	Chemical Research	32	Haile, S	A	A	P
			33	Okumura, M	A	A	P
			34	Ponce, A	A	A	P
			35	Peters, J	A	A	P
			36	Ismagilov, R	A	A	P
			37	Fu, G	A	A	P
			38	Rees, D	A	A	P
			39	Lester, H	A	A	P
			40	Greer, J	A	A	P
			41	van de Walle, A	A	A	P
			42	Seinfeld, J	A	A	P
			43	Stoltz, B	A	A	P
			44	Tirrell, D	A	A	P
			45	Cushing, S	A	A	P
			46	Weitekamp, D	A	A	P
			47	Wennberg, P	A	A	P
			48	Cai, L	A	A	P
			49	Shan, S	A	A	P
			50	Agapie, T	A	A	P
			51	Sternberg, P	A	A	P
			52	Tirrell, D	A	A	P
			53	Fu, G	A	A	P
			54	Deshaies, R	A	A	P
			55	Campbell, J	A	A	P
			56	Jensen, G	A	A	P
			57	Pierce, N	A	A	P
			58	Shapiro, M	A	A	P
			59	Chan, G	A	A	P
			60	Ondrus, A	A	A	P
			61	See, K	A	A	P
			62	Elowitz, M	A	A	P
			63	Asimow, P	A	A	P
			64	Robb, M	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	65	Hadt, R	A	A	P
			66	Voorhees, R	A	A	P
			67	Van Valen, D	A	A	P
			68	Yeh, N	A	A	P
			69	Minnich, A	A	A	P
<b>CIVIL ENGINEERING</b>							
CE 100	+	Special Topics in Civil Engineering	01	Staff	A	A	
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151	3-0-6	Dynamics and Vibration	01	Asimaki, D	TR 13:00 - 14:25	115 GTL	G
CE 200	+	Advanced Work in Civil Engineering	01	Heaton, T	A	A	P
Ae/AM/CE/ME/Ge 265	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	MWF 10:00 - 10:55	115 GTL	
CE 300	+	Research in Civil Engineering	01	Daraio, C	A	A	P
			02	Hall, J	A	A	P
			03	Heaton, T	A	A	P
			04	Andrade, J	A	A	P
			05	Lapusta, N	A	A	P
			06	Asimaki, D	A	A	P
<b>COMPUTATION &amp; NEURAL SYS</b>							

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<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS100	1-0-0	Introduction to Computation and Neural Systems	01	Siapas, A	W 19:00 - 19:55	100 - Rock Auditorium BRD	P
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,T 12:00 - 12:55 TR 14:30 - 15:55	Lecture Hall BAX A	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	B101 BBB	
CS/CNS 171	3-6-3	Computer Graphics Laboratory	01	Barr, A	MWF 15:00 - 15:55	213 ANB	
CNS180	+	Research in Computation and Neural Systems	01	Abu-Mostafa, Y	A	A	P
			02	Anderson, D	A	A	P
			03	O'Doherty, J	A	A	P
			04	Andersen, R	A	A	P
			05	Shimojo, S	A	A	P
			06	Quartz, S	A	A	P
			07	Tsao, D	A	A	P
			08	Dickinson, M	A	A	P
			09	Anandkumar, A	A	A	P
			10	Oka, Y	A	A	P
			11	Rangel, A	A	A	P
			12	Murray, R	A	A	P
			13	Perona, P	A	A	P
			14	Camerer, C	A	A	P
			15	Elowitz, M	A	A	P
			16	Gradinaru, V	A	A	P
			17	Allman, J	A	A	P
			18	Siapas, A	A	A	P
			19	Fraser, S	A	A	P
			20	Burdick, J	A	A	P
			21	Winfree, E	A	A	P
			22	Wold, B	A	A	P
			23	Low, S	A	A	P
			24	Meister, M	A	A	P

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<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS180	+	Research in Computation and Neural Systems	25	Kennedy, M	A	A	P
			26	Adolphs, R	A	A	P
			27	Pine, J	A	A	P
			28	Hoffmann, M	A	A	P
			29	Hong, E	A	A	P
			30	Prober, D	A	A	P
			31	Yue, Y	A	A	P
			32	Thomson, M	A	A	P
			33	Ames, A	A	A	P
			Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Meister, M
Bi/CNS/NB 216	2-0-4	Behavior of Mammals	01	Allman, J	WF 14:00 - 15:55	200 BRD	G
CNS280	+	Research in Computation and Neural Systems	01	Burdick, J	A	A	P
			02	Meister, M	A	A	P
			03	Camerer, C	A	A	P
			04	Andersen, R	A	A	P
			05	Lester, H	A	A	P
			06	O'Doherty, J	A	A	P
			07	Bruck, J	A	A	P
			08	Tsao, D	A	A	P
			09	Koch, C	A	A	P
			10	Konishi, M	A	A	P
			11	Murray, R	A	A	P
			12	Gradinaru, V	A	A	P
			13	Perona, P	A	A	P
			14	Scherer, A	A	A	P
			15	Quartz, S	A	A	P
			16	Elowitz, M	A	A	P
			17	Shimojo, S	A	A	P
			18	Siapas, A	A	A	P
			19	Sternberg, P	A	A	P

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<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS280	+	Research in Computation and Neural Systems	20	Winfree, E	A	A	P
			21	Wold, B	A	A	P
			22	Hoffmann, M	A	A	P
			23	Dickinson, M	A	A	P
			24	Allman, J	A	A	P
			25	Oka, Y	A	A	P
			26	Adolphs, R	A	A	P
			27	Desbrun, M	A	A	P
			28	Goddard, W	A	A	P
			29	Rangel, A	A	A	P
<b>COMPUTER SCIENCE</b>							
CS 001	3-4-2	Introduction to Computer Programming	01	Vanier, M	MWF 14:00 - 14:55	Institute Auditorium BCK	P
Ma/CS 006A	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 106a</i>	01	Conlon, D	MWF 13:00 - 13:55	119 KRK	
CS 009	1-0-0	Introduction to Computer Science Research	01	Low, S	R 12:00 - 12:55	105 ANB	P
CS 011	0-3-0	Computer Language Lab <i>CS 1 or instructor's permission is required. // Sec 1: C // Sec 4: Javascript // Sec 10: ACM-ICPC // Sec 11: Special Topics // Sec 12: Projects // Sec 13: Interview Preparation // Sec 14: The [Art and] Science of Debugging</i>	01	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
			04	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
			10	Blank, A	OM,W 21:00 - 21:55	105 ANB	P
			11	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
			12	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
			13	Blank, A	OM,T 21:00 - 21:55	107 ANB	P
14	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P			
CS 019A	1-0-1	Introduction to Computer Science in Industry <i>closed to 1st and 2nd term freshmen for credit</i>	01	Ralph, C	M 12:00 - 12:55	105 ANB	P
CS 024	3-3-3	Introduction to Computing Systems	01	Blank, A	MWF 14:00 - 14:55	105 ANB	
CS 042	2-2-2	Computer Science Education in K-14 Settings	01	Ralph, C	F 12:00 - 15:55	107 ANB	P

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<b>COMPUTER SCIENCE</b>							
CS/EE/ME 075A	+	Multidisciplinary Systems Engineering <i>3 units (2-0-1), 6 units (2-0-4), or 9 units (2-0-7)</i>	01	Burdick, J	W 19:30 - 21:25	135 GTL	
CS 080A	+	Undergraduate Thesis	01	Winfree, E	A	A	P
			02	Chandy, K	A	A	P
			03	Desbrun, M	A	A	P
			04	Schroeder, P	A	A	P
			05	Wierman, A	A	A	P
			06	Barr, A	A	A	P
			07	Katz, N	A	A	P
			08	Low, S	A	A	P
			09	Yue, Y	A	A	P
			10	Perona, P	A	A	P
			11	Bruck, J	A	A	P
			12	Schulman, L	A	A	P
			13	Umans, C	A	A	P
			14	Chung, S	A	A	P
			15	Vidick, T	A	A	P
			16	Anandkumar, A	A	A	P
			17	Adolphs, R	A	A	P
CS 081A	+	Undergraduate Projects in Computer Science	01	Chandy, K	A	A	P
			02	Barr, A	A	A	P
			03	Chandy, K	A	A	P
			04	Murray, R	A	A	P
			05	Martin, A	A	A	P
			06	Winfree, E	A	A	P
			07	Perona, P	A	A	P
			08	Pinkston, D	A	A	P
			09	Pierce, N	A	A	P
			10	Vanier, M	A	A	P
			11	Wierman, A	A	A	P
			12	Umans, C	A	A	P
			13	Burdick, J	A	A	P



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<b>COMPUTER SCIENCE</b>							
CS 081A	+	Undergraduate Projects in Computer Science	14	Low, S	A	A	P
			15	Yue, Y	A	A	P
			16	Hassibi, B	A	A	P
			17	Desbrun, M	A	A	P
			18	Mahabal, A	A	A	P
			19	Schroeder, P	A	A	P
			20	Djorgovski, S	A	A	P
			21	George, G	A	A	P
			22	Vidick, T	A	A	P
			23	Ralph, C	A	A	P
			24	Rangel, A	A	A	P
			25	Bunn, J	A	A	P
			26	Alvarez, R	A	A	P
			27	Preskill, J	A	A	P
			28	Stalzer, M	A	A	P
			29	Ames, A	A	A	P
			30	Blank, A	A	A	P
			31	Chung, S	A	A	P
			32	Anandkumar, A	A	A	P
			33	Tamuz, O	A	A	P
34	Bouman, K	A	A	P			
35	Van Valen, D	A	A	P			
36	Schulman, L	A	A	P			
CS 090	+	Undergraduate Reading in Computer Science <i>Section 14 OM will meet Friday, October 5th at noon in ANB 208</i>	01	Chandy, K	A	A	P
			02	Pinkston, D	A	A	P
			03	Low, S	A	A	P
			04	Djorgovski, S	A	A	P
			05	Winfrey, E	A	A	P
			06	Schroeder, P	A	A	P
			07	Barr, A	A	A	P
			08	George, G	A	A	P
			09	Gray, H	A	A	P
			10	Abu-Mostafa, Y	A	A	P

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<b>COMPUTER SCIENCE</b>							
CS 090	+	Undergraduate Reading in Computer Science <i>Section 14 OM will meet Friday, October 5th at noon in ANB 208</i>	11	Burdick, J	A	A	P
			12	Wierman, A	A	A	P
			13	Vanier, M	A	A	P
			14	Ralph, C	A	A	P
			15	Anderson, D	A	A	P
			16	Gavalas, G	A	A	P
			17	Umans, C	A	A	P
			18	Yue, Y	A	A	P
CS 101A	0-0-0	Special Topics in Computer Science <i>units (0-0-9)</i>	01	Yue, Y	OM,T 10:00 - 10:55	107 ANB	
CS 102A	+	Seminar in Computer Science	01	Staff	A	A	P
CS 103A	+	Reading in Computer Science	01	Staff	A	A	P
Ma/CS 106A	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ms/CS 6a</i>	01	Conlon, D	MWF 13:00 - 13:55	119 KRK	
CS 111	0-3-0	Graduate Programming Practicum <i>For graduate students only // Sec 1: C // Sec 4: Javascript // Sec 10: ACM-ICPC // Sec 11: Special Topics // Sec 12: Projects // Sec 14: The [Art and] Science of Debugging</i>	01	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
			04	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
			10	Blank, A	OM,W 21:00 - 21:55	105 ANB	P
			11	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
			12	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
			14	Vanier, M	OM,W 21:00 - 21:55	105 ANB	P
CS 116	3-0-6	Reasoning about Program Correctness	01	Joshi, R	TR 13:00 - 14:25	107 ANB	
CS/Ph 120	3-0-6	Quantum Cryptography	01	Vidick, T	TR 13:00 - 14:25	314 ANB	
CS/IDS 121	3-0-6	Relational Databases <i>class cancelled</i>	01	Staff	A	A	
CS 124	3-6-3	Operating Systems <i>class cancelled - moved to spring term</i>	01	Staff	A	A	

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<b>COMPUTER SCIENCE</b>							
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G
ME/CS/EE 129	3-6-0	Experimental Robotics	01	Anderson, M	MWF 14:00 - 14:55	308 KCK	
ME/CS/EE 133A	3-3-3	Robotics <i>class cancelled</i>	01	Staff	A	A	
CS/IDS 142	3-2-4	Distributed Computing	01	Murray, R	MWF 09:00 - 09:55	213 ANB	
CS/EE 146	3-3-3	Control and Optimization of Networks	01	Low, S	MWF 13:00 - 13:55	243 ANB	
CS/IDS 150B	3-0-6	Probability and Algorithms	01	Schulman, L	MWF 10:00 - 10:55	314 ANB	
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,T 12:00 - 12:55 TR 14:30 - 15:55	Lecture Hall BAX A	
CS/CNS 171	3-6-3	Computer Graphics Laboratory	01	Barr, A	MWF 15:00 - 15:55	213 ANB	
CS 180	+	Master's Thesis Research	01	Martin, A	A	A	P
			02	Desbrun, M	A	A	P
			03	Low, S	A	A	P
			04	Chandy, K	A	A	P
			05	Wierman, A	A	A	P
			06	Umans, C	A	A	P
			08	Barr, A	A	A	P
			09	Kitaev, A	A	A	P
			10	Perona, P	A	A	P
			12	Schroeder, P	A	A	P
			14	Winfree, E	A	A	P
			15	Ligett, K	A	A	P

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<b>COMPUTER SCIENCE</b>							
Ph/CS 219A	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	107 DWN	P
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Anandkumar, A	A	A	P
			03	Winfrey, E	A	A	P
			04	Troian, S	A	A	P
			05	Ligett, K	A	A	P
			06	Chandrasekaran, V	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Murray, R	A	A	P
			10	Perona, P	A	A	P
			11	Schroeder, P	A	A	P
			12	Vidick, T	A	A	P
			13	Cvitanic, J	A	A	P
			14	Umans, C	A	A	P
			15	Desbrun, M	A	A	P
			16	Kitaev, A	A	A	P
			17	Wierman, A	A	A	P
			18	Doyle, J	A	A	P
			19	Schulman, L	A	A	P
29	Yue, Y	A	A	P			
CS 287	+	Center for the Mathematics of Information Seminar	01	Staff	T 16:00 - 16:55	314 ANB	P
<b>COMPUTING AND MATHEMATICAL SCIENCES</b>							
CMS/ACM/IDS 107	3-3-6	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	213 ANB	
CMS/ACM/IDS 113	3-3-6	Mathematical Optimization	01	Chandrasekaran, V	MWF 10:30 - 11:55	213 ANB	
CMS117	3-0-9	Probability Theory and Stochastic Processes	01	Tropp, J	TR 10:30 - 11:55	213 ANB	

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<b>COMPUTING AND MATHEMATICAL SCIENCES</b>							
CMS290A	1-0-0	Computing and Mathematical Sciences Colloquium	01	Schroeder, P	M 16:00 - 16:55	105 ANB	P
CMS300	+	Research in Computing and Mathematical Sciences	01	Wierman, A	A	A	P
			02	Vidick, T	A	A	P
			03	Beck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Doyle, J	A	A	P
			06	Murray, R	A	A	P
			07	Owhadi, H	A	A	P
			08	Barr, A	A	A	P
			09	Chandrasekaran, V	A	A	P
			10	Desbrun, M	A	A	P
			11	Low, S	A	A	P
			12	Perona, P	A	A	P
			13	Schroeder, P	A	A	P
			14	Schulman, L	A	A	P
			15	Umans, C	A	A	P
			16	Winfrey, E	A	A	P
			17	Yue, Y	A	A	P
			18	Pachter, L	A	A	P
			19	Chung, S	A	A	P
			20	Anandkumar, A	A	A	P
			21	Stuart, A	A	A	P
			22	Thomson, M	A	A	P
			23	Van Valen, D	A	A	P
			24	Bouman, K	A	A	P
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS090A	0-0-9	Senior Thesis in Control and Dynamical Systems	01	Burdick, J	A	A	G
CDS131	3-0-6	Linear Systems Theory	01	Murray, R	MWF 14:00 - 14:55	213 ANB	

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<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS190	+	Independent Work in Control and Dynamical Systems <i>offered Pass/Fail only</i>	01	Staff	A	A	P
CDS300A	+	Research in Control and Dynamical Systems	01	Dickinson, M	A	A	P
			02	Siapas, A	A	A	P
			03	Doyle, J	A	A	P
			04	Owhadi, H	A	A	P
			07	Beck, J	A	A	P
			08	Murray, R	A	A	P
			10	Burdick, J	A	A	P
			11	Elowitz, M	A	A	P
			12	Desbrun, M	A	A	P
			13	Ortiz, M	A	A	P
			14	Goentoro, L	A	A	P
			15	Adolphs, R	A	A	P
			16	Ames, A	A	A	P
			17	Chung, S	A	A	P
<b>ECONOMICS</b>							
Ec 011	3-2-4	Introduction to Economics	01	Plott, C	MWF 13:00 - 13:55	B125 BAX	
BEM/Ec/PS 080	1-0-0	Frontiers in Social Sciences	01	Cvitanic, J	M 12:00 - 12:55	128 BAX	P
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P
			02	Ledyard, J	A	A	P
			03	Echenique, F	A	A	P
Ec 098A	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
Ec 101	3-0-6	Selected Topics in Economics: Behavioral IO <i>taught concurrently with BEM101</i>	01	Schenone, P	TR 09:00 - 10:25	B133 BAX	G

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<b>ECONOMICS</b>							
Ec 105	3-0-6	Firms, Competition, and Industrial Organization <i>Designated as Writing Intensive Course</i>	01	Shum, M	TR 10:30 - 11:55	128 BAX	G
Ec/Psy 109	3-0-6	Frontiers in Behavioral Economics	01	Camerer, C	TR 13:00 - 14:25	125 BAX	
BEM/Ec/ESE 119	3-0-6	Environmental Economics	01	Ledyard, J	TR 10:30 - 11:55	B119 BAX	
Ec 121A	3-0-6	Theory of Value	01	Border, K	TR 10:30 - 11:55	228 BAX	G
Ec 122	3-0-6	Econometrics <i>Maximum Enrollment: 30 students</i>	01	Sherman, R	TR 13:00 - 14:25	B125 BAX	
Ec 131	3-0-6	Market Design <i>designated as Writing Intensive Course</i>	01	Doval, M	MWF 09:00 - 09:55	128 BAX	G
Ec 135	3-0-6	Economics of Uncertainty and Information	01	Agranov, M	TR 09:00 - 10:25	B125 BAX	G
Ec/PS 160A	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Ec/PS 160A required for 160B and 160C //Maximum enrollment: 10 students in 160a and SS 260</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
Ec 181A	3-0-6	Convex Analysis and Economic Theory	01	Border, K	TR 14:30 - 15:55	125 BAX	G
<b>ELECTRICAL ENGINEERING</b>							
EE/ME 007	2-3-1	Introduction to Mechatronics	01	George, G	MW 13:00 - 13:55	B270 MRE	P
APh/EE 009A	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer, A	TR 13:00 - 13:55	B280 MRE	
EE 013	0-3-0	Electronic System Prototyping	01	George, G	OM,T 16:00 - 16:55	B270 MRE	

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<b>ELECTRICAL ENGINEERING</b>							
EE 044	4-0-8	Deterministic Analysis of Systems and Circuits	01	Hajimiri, S	TR 09:00 - 10:55	B270 MRE	G
CS/EE/ME 075A	+	Multidisciplinary Systems Engineering <i>3 units (2-0-1), 6 units (2-0-4), or 9 units (2-0-7)</i>	01	Burdick, J	W 19:30 - 21:25	135 GTL	
EE 080A	+	Senior Thesis	01	Hajimiri, S	A	A	P
			03	Doyle, J	A	A	P
			04	Tai, Y	A	A	P
			05	Hassibi, B	A	A	P
			06	George, G	A	A	P
			07	Choo, H	A	A	P
			08	Emami, A	A	A	P
			09	Abbott, R	A	A	P
			11	Van Valen, D	A	A	P
			12	Scherer, A	A	A	P
EE 091A	1-8-0	Experimental Projects in Electronic Circuits	01	Kalantar Ohanian, R	OM,W 16:00 - 16:55	B270 MRE	G
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Tai, Y	A	A	P
			03	Perona, P	A	A	P
			04	George, G	A	A	P
			05	Hajimiri, S	A	A	P
			06	Yang, C	A	A	P
			07	Burdick, J	A	A	P
			09	Emami, A	A	A	P
			10	Yariv, A	A	A	P
			11	Hassibi, B	A	A	P
			12	Low, S	A	A	P
			13	Wang, L	A	A	P
EE 105A	1-0-0	Electrical Engineering Seminar	01	Emami, A	A	A	P



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<b>ELECTRICAL ENGINEERING</b>							
ACM/EE 106A	3-0-9	Introductory Methods of Computational Mathematics	01	Hosseini, B	TR 13:00 - 14:25	105 ANB	
ME/EE/EST 109	3-0-6	Energy Technology and Policy	01	Blanquart, G	MWF 14:00 - 14:55	115 GTL	
EE 110A	3-4-2	Embedded Systems Design Laboratory	01	George, G	MW 14:30 - 15:55	B270 MRE	
EE 111	3-0-6	Signal-Processing Systems and Transforms	01	Vaidyanathan, P	TR 13:00 - 14:25	B270 MRE	
ACM/EE/IDS 116	3-1-5	Introduction to Probability Models <i>Ma 3 prerequisite enforced</i>	01	Zuev, K	TR 09:00 - 10:25	119 KRK	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	B157 BRG	
EE/MedE 124	3-0-6	Mixed-mode Integrated Circuits <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G
ME/CS/EE 129	3-6-0	Experimental Robotics	01	Anderson, M	MWF 14:00 - 14:55	308 KCK	
ME/CS/EE 133A	3-3-3	Robotics <i>class cancelled</i>	01	Staff	A	A	
CS/EE 146	3-3-3	Control and Optimization of Networks	01	Low, S	MWF 13:00 - 13:55	243 ANB	
EE 152	2-3-7	High Frequency Systems Laboratory <i>maximum enrollment: 15 students</i>	01	Russell, D	M 09:00 - 10:25 OM,T 16:00 - 16:55	B280 MRE B280 MRE	
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,T 12:00 - 12:55 TR 14:30 - 15:55	Lecture Hall BAX A	
EE/Ae 157A	3-0-6	Introduction to the Physics of Remote Sensing	01	Van Zyl, J	MW 14:30 - 15:55	B280 MRE	

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<b>ELECTRICAL ENGINEERING</b>							
EE/APh 180	3-0-3	Nanotechnology	01	Scherer, A	TR 14:30 - 15:55	B280 MRE	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Bois, J	TR 10:30 - 11:55	108 KCK	
EE 291	+	Advanced Work in Electrical Engineering	01	Hoffmann, M	A	A	P
			02	Yang, C	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Meister, M	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Wang, L	A	A	P
			09	Gharib, M	A	A	P
			10	Martin, A	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hallinan, G	A	A	P
			13	Low, S	A	A	P
			14	Yeh, N	A	A	P
			15	Hassibi, B	A	A	P
			16	Murray, R	A	A	P
			17	Perona, P	A	A	P
			18	Vaidyanathan, P	A	A	P
			20	Tai, Y	A	A	P
			21	Yariv, A	A	A	P
			22	Quartz, S	A	A	P
			24	Roukes, M	A	A	P
			25	Scherer, A	A	A	P
			26	Avouac, J	A	A	P
			27	Vahala, K	A	A	P
			28	Zmuidzinas, J	A	A	P
			29	Atwater, H	A	A	P
			30	Kimble, H	A	A	P

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<b>ELECTRICAL ENGINEERING</b>							
EE 291	+	Advanced Work in Electrical Engineering	31	Heath, J	A	A	P
			32	Weinreb, S	A	A	P
			33	Emami, A	A	A	P
			34	George, G	A	A	P
			35	Abu-Mostafa, Y	A	A	P
			36	Painter, O	A	A	P
			37	Gharib, M	A	A	P
			38	Choo, H	A	A	P
			39	Cvitanic, J	A	A	P
			40	Faraon, A	A	A	P
			41	Pellegrino, S	A	A	P
			42	Chandrasekaran, V	A	A	P
			43	Minnich, A	A	A	P
			44	Rees, D	A	A	P
			45	Kostina, V	A	A	P
			46	Yue, Y	A	A	P
			47	Tsao, D	A	A	P
			48	Marandi, A	A	A	P
<b>ENERGY SCIENCE AND TECHNOLOGY</b>							
ME/EE/EST 109	3-0-6	Energy Technology and Policy	01	Blanquart, G	MWF 14:00 - 14:55	115 GTL	
<b>ENGINEERING</b>							
E 002	1-0-0	Frontiers in Engineering and Applied Science <i>maximum enrollment: 85 students</i>	01	Umans, C	W 12:00 - 12:55	105 ANB	P
E/SEC 103	3-0-6	Management of Technology <i>class cancelled</i>	01	Staff	A	A	
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>maximum enrollment: 20 students</i>	01	Horii, C	M 13:30 - 14:55	360 CSS	P
<b>ENGLISH</b>							

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<b>ENGLISH</b>							
Hum/En 020	3-0-6	Greek Epic and Drama <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Pigman, G	TR 14:30 - 15:55	TR DAB	G
Hum/En 038	3-0-6	Telling Time in American Modernism <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Sherazi, M	TR 14:30 - 15:55	121 BCK	P
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Staff	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
En/VC 108	3-0-6	Volcanoes <i>maximum enrollment: 20 students</i>	01	Sullivan, A	TR 10:30 - 11:55	125 BAX	G
En 118	3-0-6	Classical Mythology <i>class cancelled</i>	01	Staff	A	A	G
En 121	3-0-6	Literature and Its Readers <i>class cancelled</i>	01	Staff	A	A	G
En 140	3-0-6	African American Expatriate Culture in Postwar Europe <i>class cancelled</i>	01	Staff	A	A	G
En 142	3-0-6	Post-1945 American Literature and 'The Death of the Author' <i>maximum enrollment: 15 students</i>	01	Sherazi, M	T 19:00 - 21:55	115 DAB	G
En 180	3-0-6	Special Topics in English: American Literature of the Environment <i>maximum enrollment: 20 students</i>	01	Sobelle, S	MW 13:00 - 14:25	125 BAX	G
En 183	3-0-6	Victorian Crime Fiction <i>maximum enrollment: 20 students</i>	01	Gilmore, D	TR 14:30 - 15:55	115 DAB	G

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<b>ENGLISH</b>							
En/H 193	3-0-6	Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students // class will meet in Watson 104 on Tuesday, 10/1/19</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	TR DAB	
<b>ENGLISH AS A SECOND LANGUAGE</b>							
ESL101A	3-0-0	Oral Communication and Pronunciation	01	Ashleigh, S	MW 17:00 - 18:25	142 KCK	P
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
FS/ESE/Ge 018	2-0-4	Freshman Seminar: The Unseen Microbial World in Plain Sight <i>open to incoming freshmen only // maximum enrollment: 10 students</i>	01	Leadbetter, J	MF 15:00 - 15:55	212 NMD	P
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01 02 03	Thompson, A Bordoni, S Adkins, J	A A A	A A A	P P P
ESE100	+	Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i>	01 02 03 04 05 06 07 08	Adkins, J Flagan, R Hoffmann, M Schneider, T Seinfeld, J Sessions, A Wennberg, P Thompson, A	A A A A A A A A	A A A A A A A A	P P P P P P P P
ESE101	3-0-6	Earth's Atmosphere	01	Schneider, T	TR 13:00 - 14:25	162 SMD	
ESE102	3-0-6	Earth's Oceans	01	Thompson, A	MWF 11:00 - 11:55	162 SMD	
ESE104	1-0-0	Current Problems in Environmental Science and Engineering	01	Frankenberg, C	R 12:00 - 12:55	162 SMD	P

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE106	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P
			02	Blake, G	A	A	P
			03	Bordoni, S	A	A	P
			04	Eiler, J	A	A	P
			05	Flagan, R	A	A	P
			06	Hoffmann, M	A	A	P
			07	Ingersoll, A	A	A	P
			08	Lamb, M	A	A	P
			09	Leadbetter, J	A	A	P
			10	Newman, D	A	A	P
			11	Okumura, M	A	A	P
			12	Orphan, V	A	A	P
			13	Schneider, T	A	A	P
			14	Seinfeld, J	A	A	P
			15	Sessions, A	A	A	P
			16	Wennberg, P	A	A	P
			17	Yung, Y	A	A	P
			18	Thompson, A	A	A	P
			19	Frankenberg, C	A	A	P
			20	Callies, J	A	A	P
ESE110A	1-0-0	Seminar in Environmental Science and Engineering	01	Frankenberg, C	W 16:00 - 16:55	365 SMD	P
BEM/Ec/ESE 119	3-0-6	Environmental Economics	01	Ledyard, J	TR 10:30 - 11:55	B119 BAX	
ESE156	3-0-6	Remote Sensing of the Atmosphere and Biosphere	01	Frankenberg, C	TR 15:00 - 16:25	135 L+R	
ESE/Bi 166	3-1-5	Microbial Physiology	01	Leadbetter, J	MWF 09:00 - 09:55	215 NMD	
ESE300	+	Thesis Research	01	Sessions, A	A	A	P
			02	Ingersoll, A	A	A	P
			03	Hering, J	A	A	P

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>										
ESE300	+	Thesis Research	04	Hoffmann, M	A	A	P			
			05	Bordoni, S	A	A	P			
			06	Adkins, J	A	A	P			
			07	Callies, J	A	A	P			
			08	Leadbetter, J	A	A	P			
			09	Seinfeld, J	A	A	P			
			10	Wennberg, P	A	A	P			
			11	Yung, Y	A	A	P			
			12	Schneider, T	A	A	P			
			13	Eiler, J	A	A	P			
			14	Orphan, V	A	A	P			
			15	Okumura, M	A	A	P			
			16	Ponce, A	A	A	P			
			17	Thompson, A	A	A	P			
			18	Flagan, R	A	A	P			
			19	Frankenberg, C	A	A	P			
			20	Fischer, W	A	A	P			
			<b>FRESHMAN SEMINARS</b>							
			FS/Ph 009	2-0-4	Freshman Seminar: The Science of Music <i>Maximum enrollment: 12 students</i>	01	Politzer, H	MF 13:00 - 13:55	257 LAU	P
			FS/Ph 011A	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
FS/ESE/Ge 018	2-0-4	Freshman Seminar: The Unseen Microbial World in Plain Sight <i>open to incoming freshmen only // maximum enrollment: 10 students</i>	01	Leadbetter, J	MF 15:00 - 15:55	212 NMD	P			
<b>GEOLOGY</b>										
Ge 011A	3-3-3	Introduction to Earth and Planetary Sciences: Earth as a Planet <i>Field Trip Dates: 11/16-11/17 // taught concurrently with Ge 101</i>	01	Wernicke, B	MWF 14:00 - 14:55	251 ARM				

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<b>GEOLOGY</b>							
FS/ESE/Ge 018	2-0-4	Freshman Seminar: The Unseen Microbial World in Plain Sight <i>open to incoming freshmen only // maximum enrollment: 10 students</i>	01	Leadbetter, J	MF 15:00 - 15:55	212 NMD	P
Ge 040	+	Special Problems for Undergraduates	01	Avouac, J	A	A	P
			02	Kirschvink, J	A	A	P
			03	Stock, J	A	A	P
			04	Lamb, M	A	A	P
			05	Adkins, J	A	A	P
			06	Jackson, J	A	A	P
			07	Ingersoll, A	A	A	P
			08	Sessions, A	A	A	P
			09	Stevenson, D	A	A	P
			10	Fischer, W	A	A	P
			11	Tsai, V	A	A	P
			12	de Kleer, K	A	A	P
Ge 041A	+	Undergraduate Research and Bachelor's Thesis	01	Orphan, V	A	A	P
			02	Saleeby, J	A	A	P
			03	Asimow, P	A	A	P
			05	Saleeby, J	A	A	P
			06	Stolper, E	A	A	P
			07	Brown, M	A	A	P
			08	Grotzinger, J	A	A	P
			09	Stock, J	A	A	P
			10	Fischer, W	A	A	P
			11	Rossmann, G	A	A	P
			12	Sessions, A	A	A	P
			13	Lamb, M	A	A	P
			14	Adkins, J	A	A	P
			15	Simons, M	A	A	P
			16	de Kleer, K	A	A	P
			17	Ingersoll, A	A	A	P



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<b>GEOLOGY</b>							
Ge 101	3-0-6	Introduction to Geology and Geochemistry <i>Field Trip: 11/16 - 11/17 // taught concurrently with Ge 011A</i>	01	Wernicke, B	MWF 14:00 - 14:55	251 ARM	
Ge 108	3-0-6	Applications of Physics to the Earth Sciences	01	Brown, M	TR 09:00 - 10:25	176 SMD	
Ge 109	+	Oral Presentation <i>Section 1: Geophysics // Section 2: Geochemisty // Section 3: Geobiology // Section 4: Planetary Science</i>	01 02 03 04	Jackson, J Rossman, G Sessions, A Knutson, H	A A A A	A A A A	P P P P
Ge 114A	3-4-2	Mineralogy	01	Rossman, G	MTR 15:00 - 15:55 TR 16:00 - 17:55	251 ARM 251 ARM	
Ge 114B	0-2-1	Mineralogy Laboratory	01	Rossman, G	W 15:00 - 16:55	267 ARM	
Ge 121A	0-9-3	Advanced Field Geology <i>Field Trip Dates: TBA</i>	01	Lamb, M	OM,T 15:00 - 15:55	267 ARM	
Ge/Ch 127	3-0-6	Nuclear Chemistry	01	Burnett, D	MWF 11:00 - 11:55	215 NMD	G
Ge/Ch 128	3-0-6	Cosmochemistry	01	Blake, G	TR 14:30 - 15:55	162 SMD	
Ge 136A	1-0-2	Regional Field Geology of the Southwestern United States <i>Field Trip Dates: 11/1 - 11/3</i>	01	Kirschvink, J	OM,T 14:00 - 14:55	251 ARM	P
Ge 145	1-4-4	Isotope-Ratio Mass Spectrometry	01	Sessions, A	T 10:30 - 11:55 W 13:30 - 15:55	215 NMD B167 SMD	
Ge 151	3-3-3	Planetary Surfaces <i>Field Trip Dates: 11/8- 11/10 and 11/15 - 11/17</i>	01	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102a</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	

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<b>GEOLOGY</b>							
Ge 164	3-0-6	Mineral Physics	01	Jackson, J	TR 10:30 - 11:55	162 SMD	
Ge 165	3-0-6	Geophysical Data Analysis and Seismic Imaging	01	Clayton, R	MWF 09:00 - 09:55	162 SMD	
Ge 193	1-2-0	Special Topics in Geophysics: Venus	01	Jackson, J	W 15:00 - 16:25	162 SMD	P
Ge 197	+	Special Topics in Geobiology: Photosynthesis <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
Ge 212	3-0-6	Thermodynamics of Geological Systems	01	Asimow, P	MWF 10:00 - 10:55	251 ARM	
Ae/AM/CE/ME/Ge 264	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	MWF 10:00 - 10:55	115 GTL	
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Wennberg, P	A	A	P
			03	Clayton, R	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Stock, J	A	A	P
			07	Eiler, J	A	A	P
			08	Farley, K	A	A	P
			09	Jackson, J	A	A	P
			10	Bordoni, S	A	A	P
			11	Gurnis, M	A	A	P
			12	Grotzinger, J	A	A	P
			13	Helmberger, D	A	A	P
			14	Rosman, G	A	A	P
			15	Schneider, T	A	A	P
			16	Kirschvink, J	A	A	P
			17	Kulkarni, S	A	A	P
			18	Ingersoll, A	A	A	P
			19	Brown, M	A	A	P

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<b>GEOLOGY</b>							
Ge 297	+	Advanced Study	20	Ehlmann, B	A	A	P
			21	Zhan, Z	A	A	P
			22	Leadbetter, J	A	A	P
			23	Bucholz, C	A	A	P
			24	Saleeby, J	A	A	P
			26	Simons, M	A	A	P
			27	Stevenson, D	A	A	P
			29	Stolper, E	A	A	P
			30	Lamb, M	A	A	P
			31	Fischer, W	A	A	P
			35	Orphan, V	A	A	P
			36	Yung, Y	A	A	P
			37	Avouac, J	A	A	P
			38	Lapusta, N	A	A	P
			39	Aharonson, O	A	A	P
			40	Wernicke, B	A	A	P
			41	Newman, D	A	A	P
			42	Sessions, A	A	A	P
			43	Ampuero Saenz, J	A	A	P
			44	Tsai, V	A	A	P
			45	Knutson, H	A	A	P
46	Ampuero Saenz, J	A	A	P			
47	Batygin, K	A	A	P			
48	Zhan, Z	A	A	P			
49	Tissot, F	A	A	P			
50	Ross, Z	A	A	P			
51	de Kleer, K	A	A	P			
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Ehlmann, B	A	A	P
			03	Heaton, T	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P

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Ge 299	+	Thesis Research	07	Clayton, R	A	A	P
			08	Eiler, J	A	A	P
			09	Grotzinger, J	A	A	P
			10	Gurnis, M	A	A	P
			11	Burnett, D	A	A	P
			12	Helmberger, D	A	A	P
			13	Ingersoll, A	A	A	P
			14	Jackson, J	A	A	P
			15	Simons, M	A	A	P
			16	Avouac, J	A	A	P
			17	Newman, D	A	A	P
			18	Ampuero Saenz, J	A	A	P
			19	Lapusta, N	A	A	P
			20	Rossman, G	A	A	P
			21	Fischer, W	A	A	P
			22	Saleeby, J	A	A	P
			23	Farley, K	A	A	P
			24	Sessions, A	A	A	P
			25	Stevenson, D	A	A	P
			26	Stock, J	A	A	P
			27	Stolper, E	A	A	P
			28	Lamb, M	A	A	P
			29	Knutson, H	A	A	P
			30	Kulkarni, S	A	A	P
			31	Bucholz, C	A	A	P
			32	Wernicke, B	A	A	P
			33	Leadbetter, J	A	A	P
			34	Yung, Y	A	A	P
			35	Batygin, K	A	A	P
			36	Kirschvink, J	A	A	P
			37	Orphan, V	A	A	P
			38	Schneider, T	A	A	P
			40	Tsai, V	A	A	P

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<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	41	Tissot, F	A	A	P
			42	Bordoni, S	A	A	P
			43	Zhan, Z	A	A	P
			44	Ross, Z	A	A	P
			45	de Kleer, K	A	A	P
<b>HISTORY</b>							
Hum/H 001	3-0-6	American History <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start</i>	01	Kousser, J	TR 14:30 - 15:55	128 BAX	G
			02	Kousser, J	TR 19:30 - 20:55	128 BAX	G
Hum/H 003	3-0-6	The United States in the Twentieth Century <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // class will relocate on 10/22/19 to Brennen Conf Room in CSS</i>	01	Thabet, A	TR 14:30 - 15:55	200 BRD	
Hum/H 005	3-0-6	The History of the Chinese Empire <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Dykstra, M	TR 09:00 - 10:25	128 BAX	
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	TR DAB	
Hum/H 011	3-0-6	Love and Death: Using Demography to Study the History of Europe from 1700 <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Dennison, T	TR 14:30 - 15:55	117 DAB	
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Kousser, J	A	A	P

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<b>HISTORY</b>							
H 099A	1-0-8	Research Tutorial	01	Brown, W	A	A	
		<i>Instructor permission required prior to registering</i>	02	Kousser, J	A	A	
			03	Dykstra, M	A	A	
H 133	3-0-6	Forests and Humans <i>maximum enrollment: 20 students</i>	01	Lewis, D	T 19:00 - 21:55	127 BAX	G
H 135	3-0-6	War, Conquest, and Empires <i>maximum enrollment: 15 students // Class will not meet 10/1 or 10/3 but will hold the first class meeting on Friday, 10/4 at 10:30am.</i>	01	Hoffman, P	TR 14:30 - 15:55	127 BAX	G
H 136	3-0-6	Caltech in the Archives <i>maximum enrollment: 15 students</i>	01	Dykstra, M	TR 13:00 - 14:25	128 BAX	
H/L 142	3-0-6	Perspectives on History through Russian Literature <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 13:00 - 14:25	117 DAB	
H 150	3-0-6	America in the 1960s <i>maximum enrollment: 15 students</i>	01	Thabet, A	TR 10:30 - 11:55	104 WAT	G
H 152	3-0-6	Where Do We Go From Here? Black America in the Post-Civil Rights Era <i>maximum enrollment: 20 students</i>	01	Wiggins, D	TR 13:00 - 14:25	127 BAX	
H 161	3-0-6	Selected Topics in History: Global Things, 1400-2000 <i>maximum enrollment: 15 students</i>	01	Styles, J	W 19:00 - 21:55	127 BAX	G
HPS/H 180	3-0-6	Forbidden Knowledge <i>maximum enrollment: 15 students</i>	01	Krige, G	TR 10:30 - 11:55	117 DAB	
En/H 193	3-0-6	Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students // class will meet in Watson 104 on Tuesday, 10/1/19</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	TR DAB	
<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							

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<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
HPS098	+	Reading in History and Philosophy of Science <i>Instructor permission required prior to registering</i>	01	Buchwald, J	A	A	P
HPS102A	+	Senior Research Seminar <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
HPS103	1-0-0	Public Lecture Series	01	Eberhardt, F	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>maximum enrollment: 15 students // class will meet in BCK 121 on Tuesday, 10/1/19</i>	01	Sebens, C	TR 10:30 - 11:55	TR DAB	
HPS/PI 123	3-0-6	Introduction to the Philosophy of Physics <i>maximum enrollment: 15 students</i>	01	Sebens, C	TR 14:30 - 15:55	B101 BBB	
HPS/PI 136	3-0-6	Happiness and the Good Life <i>open by lottery only; see link on the REGIS home page to enter by May 22nd // maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	B119 BAX	
HPS/H 180	3-0-6	Forbidden Knowledge <i>maximum enrollment: 15 students</i>	01	Krige, G	TR 10:30 - 11:55	117 DAB	
<b>HUMANITIES</b>							
Hum/H 001	3-0-6	American History <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start</i>	01 02	Kousser, J Kousser, J	TR 14:30 - 15:55 TR 19:30 - 20:55	128 BAX 128 BAX	G G
Hum/H 003	3-0-6	The United States in the Twentieth Century <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start // class will relocate on 10/22/19 to Brennen Conf Room in CSS</i>	01	Thabet, A	TR 14:30 - 15:55	200 BRD	

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<b>HUMANITIES</b>							
Hum/H 005	3-0-6	The History of the Chinese Empire <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Dykstra, M	TR 09:00 - 10:25	128 BAX	
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	TR DAB	
Hum/H 011	3-0-6	Love and Death: Using Demography to Study the History of Europe from 1700 <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Dennison, T	TR 14:30 - 15:55	117 DAB	
Hum/En 020	3-0-6	Greek Epic and Drama <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Pigman, G	TR 14:30 - 15:55	TR DAB	G
Hum/En 038	3-0-6	Telling Time in American Modernism <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Sherazi, M	TR 14:30 - 15:55	121 BCK	P
Hum/Pl 040	3-0-6	Right and Wrong <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start</i>	01 02	Hay, R Hay, R	T 19:00 - 21:55 R 19:00 - 21:55	117 DAB 117 DAB	
Hum/Pl 041	3-0-6	Knowledge and Reality <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Hubert, M	TR 09:00 - 10:25	B119 BAX	P
Hum/Pl 043	3-0-6	Meaning in Life <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Quartz, S	TR 14:30 - 15:55	B119 BAX	



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<b>HUMANITIES</b>							
Hum/VC 049	3-0-6	Consuming Victorian Media <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Sullivan, A	TR 14:30 - 15:55	115 BCK	P
Hum114A	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 20 students (between L 114a and Hum 114a)</i>	01	Arjona, G	TR 19:00 - 20:25	125 BAX	
Hum119	+	Selected Topics in Humanities: Japanese Literature	01	Toner, R	A	A	
<b>INFORMATION AND DATA SCIENCES</b>							
ACM/IDS 101A	4-4-4	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	213 ANB	
ACM/IDS 104	3-1-5	Applied Linear Algebra <i>Ma 1abc prerequisite enforced // class will meet in ANB 105 on 11/7/19</i>	01	Zuev, K	TR 10:30 - 11:55	119 KRK	
CMS/ACM/IDS 107	3-3-6	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	213 ANB	
CMS/ACM/IDS 113	3-3-6	Mathematical Optimization	01	Chandrasekaran, V	MWF 10:30 - 11:55	213 ANB	
ACM/EE/IDS 116	3-1-5	Introduction to Probability Models <i>Ma 3 prerequisite enforced</i>	01	Zuev, K	TR 09:00 - 10:25	119 KRK	
CS/IDS 121	3-0-6	Relational Databases <i>class cancelled</i>	01	Staff	A	A	
CS/IDS 142	3-2-4	Distributed Computing	01	Murray, R	MWF 09:00 - 09:55	213 ANB	
CS/IDS 150B	3-0-6	Probability and Algorithms	01	Schulman, L	MWF 10:00 - 10:55	314 ANB	
ACM/IDS 154	3-0-6	Inverse Problems and Data Assimilation	01	Stuart, A	TR 13:00 - 14:25	213 ANB	

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<b>INFORMATION AND DATA SCIENCES</b>							
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Staff	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01	Yue, Y	A	A	P
			02	Tamuz, O	A	A	P
			03	Zuev, K	A	A	P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Staff	A	A	P
ACM/IDS 213	3-0-6	Topics in Optimization	01	Chandrasekaran, V	MWF 13:00 - 14:25	314 ANB	
<b>LANGUAGES</b>							
L 102A	3-0-6	Elementary French <i>maximum enrollment: 15 students</i>	01	Orcel, C	TF 12:00 - 12:55 W 16:00 - 16:55	128 BAX 128 BAX	G
L 103A	3-0-6	Intermediate French <i>maximum enrollment: 15 students</i>	01	Merrill, T	MT 12:00 - 12:55 R 19:00 - 19:55	B133 BAX B133 BAX	
L 106A	4-0-5	Elementary Japanese	01	Fujio, M	MTWR 15:00 - 15:55	228 BAX	
			02	Fujio, M	MTWR 16:00 - 16:55	228 BAX	
L 107A	3-0-6	Intermediate Japanese <i>maximum enrollment: 15 students // Taught by Dr. Hirai</i>	01	Toner, R	MW 16:00 - 17:25	117 DAB	
L 108A	3-0-6	Advanced Japanese <i>maximum enrollment: 15 students // Taught by Dr. Hirai</i>	01	Toner, R	TR 16:00 - 17:25	117 DAB	
L/VC 109	3-0-6	Introduction to French Cinema from Its Beginning to the Present <i>maximum enrollment: 15 students</i>	01	Orcel, C	T 21:00 - 22:25 R 19:30 - 20:55	TR DAB TR DAB	G
L 110A	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students per section</i>	01	Garcia, D	MWR 12:00 - 12:55	127 BAX	
			02	Arjona, G	TR 15:00 - 16:25	142 KCK	
L 112A	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Garcia, D	MR 19:00 - 20:25	115 DAB	

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<b>LANGUAGES</b>							
L 114A	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 20 students (between L 114a and Hum 114a)</i>	01	Arjona, G	TR 19:00 - 20:25	125 BAX	
L 130A	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	115 DAB	
L 132A	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	115 DAB	
H/L 142	3-0-6	Perspectives on History through Russian Literature <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 13:00 - 14:25	117 DAB	
L 170A	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	MTW 12:00 - 12:55	B119 BAX	
L 171A	3-0-6	Elementary Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MTW 16:00 - 16:55	115 DAB	
L 172A	3-0-6	Intermediate Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	TR 09:00 - 10:25	117 DAB	
L 173A	3-0-6	Advanced Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MW 17:00 - 18:25	115 DAB	
<b>MATERIALS SCIENCE</b>							
MS 078A	+	Senior Thesis	01	Johnson, W	A	A	P
			02	Fultz, B	A	A	P
			03	Greer, J	A	A	P
			05	Goddard, W	A	A	P
			06	Gharib, M	A	A	P
			07	Ravichandran, G	A	A	P
			08	Minnich, A	A	A	P
			09	Faber, K	A	A	P
			10	Daraio, C	A	A	P
			MS 100	+	Advanced Work in Materials Science	01	Fultz, B
02	Lewis, N	A				A	P

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<b>MATERIALS SCIENCE</b>							
MS 100	+	Advanced Work in Materials Science	03	Faber, K	A	A	P
			04	Davis, M	A	A	P
MS 110A	1-0-0	Materials Research Lectures	01	Bernardi, M	W 16:00 - 16:55	106 SPL	P
MS 115	3-0-6	Fundamentals of Materials Science	01	Faber, K	MWF 09:00 - 09:55	135 GTL	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure	01	Ahn, C	OM,W 17:00 - 17:55	111 KCK	
MS 132	3-0-6	Diffraction and Structure	01	Fultz, B	TR 09:00 - 10:25	104 WAT	
MS 200	+	Advanced Work in Materials Science	01	Ahn, C	A	A	P
			02	Atwater, H	A	A	P
			03	Greer, J	A	A	P
			04	Fultz, B	A	A	P
			05	Goddard, W	A	A	P
			06	Yeh, N	A	A	P
			07	Johnson, W	A	A	P
			11	Daraio, C	A	A	P
			13	Ortiz, M	A	A	P
			14	Roukes, M	A	A	P
			15	Lewis, N	A	A	P
			16	Minnich, A	A	A	P
			18	Bhattacharya, K	A	A	P
			19	Faber, K	A	A	P
			21	Bernardi, M	A	A	P
22	Blake, G	A	A	P			
23	See, K	A	A	P			
MS 300	+	Thesis Research	01	Atwater, H	A	A	P
			02	Rees, D	A	A	P
			03	Rosakis, A	A	A	P
			04	Fultz, B	A	A	P

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<b>MATERIALS SCIENCE</b>							
MS 300	+	Thesis Research	05	Goddard, W	A	A	P
			07	Johnson, W	A	A	P
			08	Greer, J	A	A	P
			09	Ortiz, M	A	A	P
			11	Snyder, G	A	A	P
			12	Bernardi, M	A	A	P
			13	Lewis, N	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Minnich, A	A	A	P
			16	Faber, K	A	A	P
			17	See, K	A	A	P
<b>MATHEMATICS</b>							
Ma 001A	4-0-5	Calculus of One and Several Variables and Linear Algebra	01	Gekhtman, D	MTWF 10:00 - 10:55 R 19:30 - 20:55	387 LINDE 387 LINDE	P
			02	Ramakrishnan, D	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 310 LINDE	P
			03	Ramakrishnan, D	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 310 LINDE	P
			04	Ramakrishnan, D	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 142 KCK	P
			05	Ramakrishnan, D	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 387 LINDE	P
			06	Ramakrishnan, D	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX B180 BBB	P
			07	Ramakrishnan, D	MWF 10:00 - 10:55 R 14:00 - 14:55	Lecture Hall BAX 387 LINDE	P
			08	Ramakrishnan, D	MWF 10:00 - 10:55 W 19:00 - 19:55	Lecture Hall BAX 310 LINDE	P
			09	Ramakrishnan, D	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 255 LINDE	P
			10	Ramakrishnan, D	MWF 10:00 - 10:55 R 14:00 - 14:55	Lecture Hall BAX 119 DWN	P

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<b>MATHEMATICS</b>							
Ma 001A	4-0-5	Calculus of One and Several Variables and Linear Algebra	11	Ramakrishnan, D	MWF 10:00 - 10:55 W 19:00 - 19:55	Lecture Hall BAX 255 LINDE	P
Ma 002	4-0-5	Differential Equations <i>taught concurrently with Ma 102 // Practical Track: Sections 1-6 // Analytical Track: Sections 7-9</i>	01	Wang, L	MWF 10:00 - 10:55 R 09:00 - 09:55	119 KRK 387 LINDE	G
			02	Wang, L	MWF 10:00 - 10:55 R 10:30 - 11:25	119 KRK 387 LINDE	G
			04	Wang, L	MWF 10:00 - 10:55 R 13:00 - 13:55	119 KRK 187 LINDE	G
			05	Wang, L	MWF 10:00 - 10:55 R 14:30 - 15:25	119 KRK 310 LINDE	G
			06	Wang, L	MWF 10:00 - 10:55 R 15:00 - 15:55	119 KRK 155 ARM	G
			07	Frank, R	MWF 10:00 - 10:55 R 09:00 - 09:55	310 LINDE 187 LINDE	G
			08	Frank, R	MWF 10:00 - 10:55 R 10:00 - 10:55	310 LINDE 119 DWN	G
			09	Frank, R	MWF 10:00 - 10:55 R 19:00 - 19:55	310 LINDE 255 LINDE	G
Ma 005A	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105a</i>	01	Flach, M	MWF 09:00 - 09:55	387 LINDE	
Ma/CS 006A	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 106a</i>	01	Conlon, D	MWF 13:00 - 13:55	119 KRK	
Ma 008	3-0-0	Problem Solving in Calculus	01	Rains, E	TR 19:30 - 20:55	310 LINDE	P
Ma 010	2-0-1	Oral Presentation	01	Flach, M	T 14:00 - 15:55	187 LINDE	P
Ma 017	2-0-2	How to Solve It	01	Rains, E	T 19:00 - 20:55	387 LINDE	P
Ma 020	1-0-0	Frontiers in Mathematics	01	Flach, M	T 12:00 - 12:55	310 LINDE	P

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<b>MATHEMATICS</b>							
Ma 092A	+	Senior Thesis	01	Kechris, A	A	A	P
			02	Marcolli, M	A	A	P
Ma 097	+	Research in Mathematics	01	Staff	A	A	P
Ma 098	+	Independent Reading	01	Burungale, A	A	A	P
Ma 102	4-0-5	Differential Equations <i>taught concurrently with Ma 2 // Section 1 - Practical Track // Section 2 - Analytical Track</i>	01	Wang, L	MWF 10:00 - 10:55 R 10:30 - 11:25	119 KRK 387 LINDE	G
			02	Frank, R	MWF 10:00 - 10:55 R 09:00 - 09:55	310 LINDE 187 LINDE	G
Ma 105A	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5a</i>	01	Flach, M	MWF 09:00 - 09:55	387 LINDE	
Ma/CS 106A	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ms/CS 6a</i>	01	Conlon, D	MWF 13:00 - 13:55	119 KRK	
Ma 108A	3-0-6	Classical Analysis	01	Lazebnik, K	MWF 11:00 - 11:55	310 LINDE	
Ma 109A	3-0-6	Introduction to Geometry and Topology	01	Markovic, V	MWF 13:00 - 13:55	387 LINDE	
Ma 110A	3-0-6	Analysis	01	Angelopoulos, I	MWF 11:00 - 11:55	255 LINDE	
Ma 111A	3-0-6	Topics in Analysis	01	Cuenca Lucero, C	TR 10:30 - 11:55	255 LINDE	
Ma 116A	3-0-6	Mathematical Logic and Axiomatic Set Theory	01	Panagiotopoulos, A	TR 10:30 - 11:55	187 LINDE	
Ma 120A	3-0-6	Abstract Algebra	01	Ramakrishnan, D	MWF 09:00 - 09:55	255 LINDE	
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G

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<b>MATHEMATICS</b>							
Ma 130A	3-0-6	Algebraic Geometry	01	Kivinen, O	MWF 13:00 - 13:55	255 LINDE	
Ma 132A	3-0-6	Topics in Algebraic Geometry <i>class cancelled</i>	01	Staff	A	A	
Ma 145A	3-0-6	Representation Theory <i>class cancelled</i>	01	Staff	A	A	
Ma 147A	3-0-6	Dynamical Systems	01	Radziwill, M	TR 13:00 - 14:25	255 LINDE	
Ma 151A	3-0-6	Algebraic and Differential Topology	01	Markovic, V	MWF 10:00 - 10:55	255 LINDE	
Ma 160A	3-0-6	Number Theory	01	Burungale, A	MWF 14:00 - 14:55	255 LINDE	
Ma 162A	3-0-6	Topics in Number Theory	01	Frank, R	MWF 14:00 - 14:55	187 LINDE	
Ma 191A	3-0-6	Selected Topics in Mathematics <i>Sec 1: Topics in Geometry and Topology // Sec 2: Geometrical Paradoxes // Sec 3: Topics in Differential Geometry // Sec 4: Harmonic Analysis on Groups</i>	01	Chen, L	TR 10:30 - 11:55	183 LINDE	
			02	Kechris, A	TR 13:00 - 14:25	310 LINDE	
			03	Smillie, P	TR 14:30 - 15:55	255 LINDE	
			04	Zhu, X	WF 10:30 - 11:55	187 LINDE	
Ma 290	+	Reading	01	Conlon, D	A	A	P
			02	Cvitanic, J	A	A	P
			03	Flach, M	A	A	P
			04	Frank, R	A	A	P
			05	Graber, T	A	A	P
			06	Gukov, S	A	A	P
			07	Katz, N	A	A	P
			08	Kechris, A	A	A	P
			09	Makarov, N	A	A	P
			10	Mantovan, E	A	A	P
			11	Marcolli, M	A	A	P
			12	Markovic, V	A	A	P



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<b>MATHEMATICS</b>							
Ma 290	+	Reading	13	Ni, Y	A	A	P
			14	Owhadi, H	A	A	P
			15	Radziwill, M	A	A	P
			16	Rains, E	A	A	P
			17	Ramakrishnan, D	A	A	P
			18	Tamuz, O	A	A	P
			19	Zhu, X	A	A	P
			20	Kapustin, A	A	A	P
Ma 390	+	Research	01	Conlon, D	A	A	P
			02	Cvitanic, J	A	A	P
			03	Flach, M	A	A	P
			04	Frank, R	A	A	P
			05	Graber, T	A	A	P
			06	Gukov, S	A	A	P
			07	Katz, N	A	A	P
			08	Kechris, A	A	A	P
			09	Makarov, N	A	A	P
			10	Mantovan, E	A	A	P
			11	Marcolli, M	A	A	P
			12	Markovic, V	A	A	P
			13	Ni, Y	A	A	P
			14	Owhadi, H	A	A	P
			15	Radziwill, M	A	A	P
			16	Rains, E	A	A	P
			17	Ramakrishnan, D	A	A	P
			18	Tamuz, O	A	A	P
			19	Zhu, X	A	A	P
			20	Wang, L	A	A	P
<b>MECHANICAL ENGINEERING</b>							
EE/ME 007	2-3-1	Introduction to Mechatronics	01	George, G	MW 13:00 - 13:55	B270 MRE	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MECHANICAL ENGINEERING</b>							
ME 010	1-0-0	Thinking Like an Engineer	01	Andrade, J	W 12:00 - 12:55	142 KCK	P
ME 011A	3-0-6	Thermal Science	01	Hunt, M	MWF 14:00 - 14:55	135 GTL	G
ME 012A	3-0-6	Mechanics	01	Mello, M	TR 13:00 - 14:25	135 GTL	G
ME 013	0-4-0	Mechanical Prototyping <i>Maximum enrollment: 25 students between ME 13 and 113. // Students must submit a questionnaire available at the Registrar's Office by June 1st.</i>	01	Van Deusen, J	OM,W 17:00 - 18:55	B224 SPL	P
ME 023	0-4-0	CNC Machining <i>class cancelled</i>	01	Staff	A	A	
ME 072A	3-4-2	Engineering Design Laboratory	01	Mello, M / Van Deusen, J	TR 15:00 - 16:25	135 GTL	G
CS/EE/ME 075A	+	Multidisciplinary Systems Engineering <i>3 units (2-0-1), 6 units (2-0-4), or 9 units (2-0-7)</i>	01	Burdick, J	W 19:30 - 21:25	135 GTL	
ME 090A	0-0-9	Senior Thesis, Experimental	01	Minnich, A	A	A	G
ME 100	+	Independent Studies in Mechanical Engineering	01	Hunt, M	A	A	P
			02	Shepherd, J	A	A	P
			03	Colonus, T	A	A	P
			04	Scherer, A	A	A	P
			05	Burdick, J	A	A	P
			06	Minnich, A	A	A	P
			07	Rutledge, D	A	A	P
			08	Pickar, K	A	A	P
			09	Perona, P	A	A	P
			10	Hall, J	A	A	P
			11	Daraio, C	A	A	P

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<b>MECHANICAL ENGINEERING</b>							
ME 100	+	Independent Studies in Mechanical Engineering	12	Ames, A	A	A	P
			13	McKeon, B	A	A	P
			14	Orphan, V	A	A	P
			15	Blanquart, G	A	A	P
			16	Gharib, M	A	A	P
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
ME/EE/EST 109	3-0-6	Energy Technology and Policy	01	Blanquart, G	MWF 14:00 - 14:55	115 GTL	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Staff	A	A	P
ME 113	0-4-0	Mechanical Prototyping <i>Maximum enrollment: 25 students between ME 13 and 113. // Students must submit a questionnaire available at the Registrar's Office by June 1st.</i>	01	Van Deusen, J	OM,W 17:00 - 18:55	B224 SPL	P
Ae/ME 118	3-0-6	Classical Thermodynamics	01	Dimotakis, P	TR 13:00 - 14:25	384 FIR	P
ME/CS/EE 129	3-6-0	Experimental Robotics	01	Anderson, M	MWF 14:00 - 14:55	308 KCK	
ME/CS/EE 133A	3-3-3	Robotics <i>class cancelled</i>	01	Staff	A	A	
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102a</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	

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<b>MECHANICAL ENGINEERING</b>							
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
ME 201	3-0-6	Advanced Topics in Mechanical Engineering <i>taught concurrently with APh250</i>	01	Minnich, A	MW 10:30 - 11:55	135 GTL	
Ae/ACM/ME 232A	3-0-6	Computational Fluid Dynamics	01	Colonus, T	TR 14:30 - 15:55	115 GTL	
Ae/AM/CE/ME/Ge 264	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	MWF 10:00 - 10:55	115 GTL	
ME 300	+	Research in Mechanical Engineering	01	Andrade, J	A	A	P
			02	Bellan, P	A	A	P
			03	Bhattacharya, K	A	A	P
			04	Daraio, C	A	A	P
			05	Burdick, J	A	A	P
			06	Colonus, T	A	A	P
			07	Hunt, M	A	A	P
			08	Murray, R	A	A	P
			09	Ortiz, M	A	A	P
			10	Lewis, N	A	A	P
			11	Ravichandran, G	A	A	P
			12	Shepherd, J	A	A	P
			13	Fultz, B	A	A	P
			14	Greer, J	A	A	P
			15	van de Walle, A	A	A	P
			16	Adkins, J	A	A	P
			17	Heaton, T	A	A	P
			18	Lapusta, N	A	A	P
			19	Gharib, M	A	A	P
			20	Brady, J	A	A	P
			21	Schneider, T	A	A	P
			22	Troian, S	A	A	P
			23	Scherer, A	A	A	P
			24	Asimaki, D	A	A	P

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<b>MECHANICAL ENGINEERING</b>							
ME 300	+	Research in Mechanical Engineering	25	Haile, S	A	A	P
			26	Atwater, H	A	A	P
			27	Blanquart, G	A	A	P
			28	McKeon, B	A	A	P
			29	Hoffmann, M	A	A	P
			30	Kochmann, D	A	A	P
			31	Minnich, A	A	A	P
			32	Ames, A	A	A	P
			33	Pellegrino, S	A	A	P
			34	Stuart, A	A	A	P
			35	Chung, S	A	A	P
			36	Pachter, L	A	A	P
			37	Rosakis, A	A	A	P
			<b>MEDICAL ENGINEERING</b>				
MedE 099	+	Undergraduate Research in Medical Engineering	01	Shapiro, M	A	A	P
			02	Tai, Y	A	A	P
			03	Gao, W	A	A	P
			04	Wang, L	A	A	P
MedE 100A	1-0-0	Medical Engineering Seminar	01	Gao, W / Tai, Y	R 16:00 - 16:55	105 ANB	P
MedE 101	3-0-6	Introduction to Clinical Physiology and Pathophysiology for Engineers	01	Petrasek, D	TR 14:30 - 15:55	100 - Rock Auditorium BRD	P
EE/MedE 124	3-0-6	Mixed-mode Integrated Circuits <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Bois, J	TR 10:30 - 11:55	108 KCK	
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

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<b>MEDICAL ENGINEERING</b>										
MedE 291	+	Research in Medical Engineering	05	Faraon, A	A	A	P			
			06	Gharib, M	A	A	P			
			07	Greer, J	A	A	P			
			08	Hajimiri, S	A	A	P			
			09	Scherer, A	A	A	P			
			10	Tai, Y	A	A	P			
			11	Yang, C	A	A	P			
			12	Chandy, K	A	A	P			
			13	Pickar, K	A	A	P			
			14	Colonius, T	A	A	P			
			15	Grubbs, R	A	A	P			
			16	Ismagilov, R	A	A	P			
			17	Shapiro, M	A	A	P			
			18	Wang, L	A	A	P			
			19	Gradinaru, V	A	A	P			
			20	Daraio, C	A	A	P			
			21	Staff	A	A	P			
			22	Kornfield, J	A	A	P			
			<b>MUSIC</b>							
			Mu 051	3-0-6	Understanding Music <i>maximum enrollment: 25 students</i>	01	Neenan, T	TR 10:30 - 11:55	B133 BAX	
			Mu 137	3-0-6	History I: Music History to 1750 <i>maximum enrollment: 20 students</i>	01	Neenan, T	TR 13:00 - 14:25	B133 BAX	
			<b>NEUROBIOLOGY</b>							
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	B101 BBB				
Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Meister, M	WF 10:30 - 11:55	B101 BBB				
Bi/CNS/NB 216	2-0-4	Behavior of Mammals	01	Allman, J	WF 14:00 - 15:55	200 BRD	G			

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<b>NEUROBIOLOGY</b>							
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P
			03	Andersen, R	A	A	P
			04	Anderson, D	A	A	P
			05	Bronner Hansen, M	A	A	P
			06	Dickinson, M	A	A	P
			07	Gradinaru, V	A	A	P
			08	Hong, E	A	A	P
			09	Kennedy, M	A	A	P
			10	Lester, H	A	A	P
			11	Lois, C	A	A	P
			12	Meister, M	A	A	P
			13	Oka, Y	A	A	P
			14	Prober, D	A	A	P
			15	Roukes, M	A	A	P
			16	Shapiro, M	A	A	P
			17	Shimojo, S	A	A	P
			18	Siapas, A	A	A	P
			19	Sternberg, P	A	A	P
			20	Tsao, D	A	A	P
			21	Wagenaar, D	A	A	P
			22	Zinn, K	A	A	P
<b>PERFORMING AND VISUAL ARTS</b>							
PVA030A	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
PVA031A	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
PVA032A	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:15	Ramo Auditorium BAX	P

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<b>PERFORMING AND VISUAL ARTS</b>							
PVA033A	0-3-0	Wind Orchestra	01	Price, G	R 19:15 - 21:25	Ramo Auditorium BAX	P
PVA034A	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:30 - 21:00 W 21:15 - 22:55	Fr Rehearsal Hall HAM Fr Rehearsal Hall HAM	P
PVA035A	0-3-0	Glee Club	01	Sulahian, N	M 19:00 - 20:25 W 17:05 - 18:35	Fr Rehearsal Hall HAM Fr Rehearsal Hall HAM	P
PVA037A	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 22:00	Fr Rehearsal Hall HAM	P
PVA040A	2-0-1	Find Your Stories	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA041A	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA042A	2-0-1	Improvisation for Scientists	01	Brophy, B	W 20:30 - 21:55	Ramo Auditorium BAX	P
PVA061A	0-3-0	Silkscreen and Silk Painting	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PVA062A	0-3-0	Drawing and Painting	01	Barry, J	T 19:00 - 21:55	Garage TCT	P
PVA063A	0-3-0	Ceramics <i>maximum enrollment: 15 students</i>	01	Plunkett, L	W 19:00 - 21:55 F 19:00 - 21:55	Ceramic Room POLY Ceramic Room POLY	P
<b>PHILOSOPHY</b>							
Hum/PI 040	3-0-6	Right and Wrong <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start</i>	01 02	Hay, R Hay, R	T 19:00 - 21:55 R 19:00 - 21:55	117 DAB 117 DAB	



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<b>PHILOSOPHY</b>							
Hum/PI 041	3-0-6	Knowledge and Reality <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Hubert, M	TR 09:00 - 10:25	B119 BAX	P
Hum/PI 043	3-0-6	Meaning in Life <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Quartz, S	TR 14:30 - 15:55	B119 BAX	
PI 090A	1-0-8	Senior Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	G
PI 098	+	Reading in Philosophy <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>maximum enrollment: 15 students // class will meet in BCK 121 on Tuesday, 10/1/19</i>	01	Sebens, C	TR 10:30 - 11:55	TR DAB	
HPS/PI 123	3-0-6	Introduction to the Philosophy of Physics <i>maximum enrollment: 15 students</i>	01	Sebens, C	TR 14:30 - 15:55	B101 BBB	
HPS/PI 136	3-0-6	Happiness and the Good Life <i>open by lottery only; see link on the REGIS home page to enter by May 22nd // maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	B119 BAX	
<b>PHYSICAL EDUCATION</b>							
PE 001	3-0-0	Student Designed Fitness <i>maximum enrollment: 12 students</i>	01	Lopez, J	TR 09:00 - 10:25	BRW	P
PE 003	3-0-0	Hiking <i>maximum enrollment: 18 students</i>	01	Brabson, A / Beach, L	F 09:00 - 12:55	BRW	P
PE 005	3-0-0	Beginning Running <i>maximum enrollment: 12 students</i>	01	Raphelson, B	MW 10:00 - 11:25	BAC	P

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<b>PHYSICAL EDUCATION</b>							
PE 008	3-0-0	Fitness Training, Beginning <i>maximum enrollment: 18 students</i>	01	Reyes, B	MW 10:00 - 11:25	BAC	P
PE 009	3-0-0	Soccer <i>class cancelled</i>	01	Staff	A	A	P
PE 010	3-0-0	Aerobic Dance <i>maximum enrollment: 18 students</i>	01	Waterman, D	TR 13:00 - 14:25	MPR BAC	P
PE 024	3-0-0	Yoga, Beginning <i>maximum enrollment: 24 students</i>	01	Alvarado-Orozco, J	MW 10:00 - 11:25	MPR BAC	P
PE 030	3-0-0	Golf, Beginning and Intermediate <i>beginning // maximum enrollment: 12 students</i>	01	Becker, M	MW 09:00 - 10:25	BAC	P
PE 036	3-0-0	Swimming, Beginning/Intermediate <i>fall term: Non and beginning swimmers only // maximum enrollment: 8 students</i>	01	Morgan, H	MW 13:00 - 14:25	POOL BAC	P
PE 038	3-0-0	Water Polo <i>maximum enrollment: 18 students</i>	01	Bonafede, J	TR 13:00 - 14:25	POOL BAC	P
PE 044	3-0-0	Karate (Shotokan), Beginning and Intermediate/Advanced <i>maximum enrollment: 24 students</i>	01	Teramoto, K	TR 14:30 - 15:55	MPR BAC	P
PE 048	3-0-0	T'ai-Chi Ch'uan, Beginning and Intermediate <i>maximum enrollment: 20 students</i>	01	Hightower, A	MW 19:00 - 20:25	BAC	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate <i>maximum enrollment: 16 students</i>	01	Jordan, J	TR 09:00 - 10:25	BAC	P
PE 056	3-0-0	Squash, Beginning, Intermediate, Advanced <i>beginning // maximum enrollment: 6 students</i>	01	Cohen, J	MW 09:00 - 10:25	BAC	P
PE 060	3-0-0	Tennis, Beginning and Intermediate <i>beginning and introductory tennis basics // maximum enrollment: 12 students</i>	01	Eslinger, O	TR 09:00 - 10:25	TCT BAC	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate <i>beginning, for students who are new to the weight room and strength training // maximum</i>	01	Whitehead, K	TR 10:30 - 11:55	BAC	P

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<b>PHYSICAL EDUCATION</b>							
PE 081	3-0-0	Bouldering <i>maximum enrollment: 12 students // may only be taken once</i>	01	Ngo, J	TR 14:30 - 15:55	BRW	P
PE 082	3-0-0	Rock Climbing, Beginning and Intermediate <i>maximum enrollment: 12 students per section // section 2: Beginners</i>	01	Ngo, J	TR 13:00 - 14:25	BRW	P
			02	Ngo, J	TR 10:30 - 11:55	BRW	P
PE 087A	3-0-0	Intercollegiate Swimming and Diving Teams	01	Brabson, A	MTWRFS 16:00 - 17:55	POOL BAC	P
PE 089A	3-0-0	Intercollegiate Fencing Teams	01	Corbit, C	MTWRFS 16:00 - 17:55	BRW	P
PE 090A	3-0-0	Intercollegiate Water Polo Teams	01	Bonafede, J	MTWRFS 16:00 - 17:55	POOL BAC	P
PE 091A	3-0-0	Intercollegiate Basketball Teams	01	Reyes, B / Eslinger, O	MTWRFS 16:00 - 17:55	BAC	P
PE 092	3-0-0	Intercollegiate Soccer Teams	01	Murray, P / Gould, E	MTWRFS 16:00 - 17:55	NOF BAC	P
PE 097	3-0-0	Intercollegiate Cross-Country Teams	01	Raphelson, B	MTWRFS 16:00 - 17:55	TRK BAC	P
PE 099	3-0-0	Intercollegiate Volleyball Team	01	Gardner, T	MTWRFS 16:00 - 17:55	BAC	P
<b>PHYSICS</b>							
Ph 001A	4-0-5	Classical Mechanics and Electromagnetism	01	Cheung, C	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG B111 DWN	P
			02	Cheung, C	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG B111 DWN	P
			03	Cheung, C	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 155 ARM	P
			04	Cheung, C	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 314 ANB	P
			05	Cheung, C	WF 11:00 - 11:55	201 BRG	P

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<b>PHYSICS</b>							
Ph 001A	4-0-5	Classical Mechanics and Electromagnetism	05	Cheung, C	MR 13:00 - 13:55	269 LAU	P
			06	Cheung, C	WF 11:00 - 11:55	201 BRG	P
					MR 15:00 - 15:55	102 STL	
			07	Cheung, C	WF 11:00 - 11:55	201 BRG	P
					MR 13:00 - 13:55	102 STL	
			08	Cheung, C	WF 11:00 - 11:55	201 BRG	P
					MR 15:00 - 15:55	269 LAU	
			09	Cheung, C	WF 11:00 - 11:55	201 BRG	P
					MR 13:00 - 13:55	142 KCK	
					MR 15:00 - 15:55	119 DWN	
Ph 002A	4-0-5	Waves, Quantum Mechanics, and Statistical Physics	01	Porter, F	T 11:00 - 11:55	210 BRG	G
					R 11:00 - 11:55	269 LAU	
					WF 11:00 - 11:55	269 LAU	
			02	Porter, F	T 11:00 - 11:55	201 BRG	G
					R 11:00 - 11:55	269 LAU	
					WF 13:00 - 13:55	B111 DWN	
Ph 003	0-3-3	Introductory Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	OM,T 14:00 - 14:55	201 BRG	
					W 13:00 - 15:55	308 BRG	
			02	Black, E / Libbrecht, K	OM,T 14:00 - 14:55	201 BRG	
		R 13:00 - 15:55	308 BRG				
03	Black, E / Libbrecht, K	OM,T 14:00 - 14:55	201 BRG				
		F 13:00 - 15:55	308 BRG				
Ph 005	0-5-4	Analog Electronics for Physicists <i>taught concurrently with Ph 105</i>	01	Rice, F / Libbrecht, K	OM,T 15:00 - 15:55	201 BRG	
FS/Ph 009	2-0-4	Freshman Seminar: The Science of Music <i>Maximum enrollment: 12 students</i>	01	Politzer, H	MF 13:00 - 13:55	257 LAU	P

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<b>PHYSICS</b>							
Ph 010	2-0-1	Frontiers in Physics <i>Maximum enrollment: 33 students</i>	01	Spiropulu, M	W 12:00 - 13:55	269 LAU	P
FS/Ph 011A	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
Ph 012A	4-0-5	Waves, Quantum Physics, and Statistical Mechanics <i>Recitation time and location will be determined during the first week of classes.</i>	01	Chen, X	T 10:30 - 11:55 R 10:30 - 11:55	269 LAU 201 BRG	
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Weinstein, A	OM,T 15:00 - 15:55	304 BRG	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Weinstein, A	OM,T 15:00 - 15:55	304 BRG	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Weinstein, A	OM,T 15:00 - 15:55	304 BRG	P
Ph 050A	1-0-3	Caltech Physics League <i>First meeting to take place Monday October 14th 6-7:30pm</i>	01	Refael, G	OM,M 18:00 - 19:25	114 EBRG	
Ph 070	2-0-4	Oral and Written Communication	01	Hitlin, D	T 14:00 - 15:55	469 LAU	G
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,T 15:00 - 15:55	210 BRG	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,T 15:00 - 15:55	210 BRG	
Ph 078A	9-0-0	Senior Thesis	01	Libbrecht, K	A	A	P
Ph 105	3-0-6	Analog Electronics for Physicists <i>taught concurrently with Ph 005</i>	01	Rice, F / Libbrecht, K	OM,T 15:00 - 15:55	201 BRG	
Ph 106A	4-0-5	Topics in Classical Physics <i>Recitation time and location will be determined during the first week of classes.</i>	01	Weinstein, A	TR 10:30 - 11:55	107 DWN	

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<b>PHYSICS</b>							
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	B157 BRG	
CS/Ph 120	3-0-6	Quantum Cryptography	01	Vidick, T	TR 13:00 - 14:25	314 ANB	
Ph 121A	0-6-0	Computational Physics Lab	01	Simmons-Duffin, D	OM,T 10:30 - 11:25	304 BRG	P
Ph 125A	4-0-5	Quantum Mechanics <i>Recitation time and location will be determined during the first week of classes.</i>	01	Wise, M	MWF 10:00 - 10:55	107 DWN	
Ph 127A	4-0-5	Statistical Physics <i>Recitation time and location will be determined during the first week of classes.</i>	01	Motrunich, O	MW 13:00 - 14:25	107 DWN	
Ph 129A	4-0-5	Mathematical Methods of Physics <i>topic: Probability and Statistics // Recitation time and location will be determined during the first week of classes.</i>	01	Porter, F	TR 09:00 - 10:25	107 DWN	
Ph 135	3-0-6	Introduction to Condensed Matter	01	Refael, G	TR 13:00 - 14:25	107 DWN	
Ph/APh 137A	3-0-6	Atoms and Photons	01	Hutzler, N	TR 10:30 - 11:55	103 DWN	
Ph 171	+	Reading and Independent Study	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			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

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	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
60	Chan, G	A	A	P			
Ph 172	+	Research in Physics	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P



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<b>PHYSICS</b>							
Ph 172	+	Research in Physics	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
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P

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<b>PHYSICS</b>							
Ph 172	+	Research in Physics	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	Kirby, E	A	A	P
			58	Faraon, A	A	A	P
			59	Kasliwal, M	A	A	P
			60	Ravi, V	A	A	P
			61	Chan, G	A	A	P
Ph 205A	3-0-6	Relativistic Quantum Field Theory	01	Gukov, S	MW 10:30 - 11:55	103 DWN	
Ph/CS 219A	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	107 DWN	P
Ph 229A	3-0-6	Advanced Mathematical Methods of Physics	01	Kapustin, A	TR 10:30 - 11:55	469 LAU	P
Ph 230A	3-0-6	Elementary Particle Theory	01	Zurek, K	MW 09:30 - 10:55	469 LAU	
Ph 236A	3-0-6	Relativity	01	Chen, Y	TR 14:30 - 15:55	103 DWN	P
Ph 242A	2-0-2	Physics Seminar	01	Patterson, R	F 12:00 - 13:55	B157 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

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

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<b>PHYSICS</b>							
Ph 300	+	Thesis Research	42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P
			56	Zmuidzinas, J	A	A	P
			<b>POLITICAL SCIENCE</b>				
PS 012	3-0-6	Introduction to Political Science	01	Ordeshook, P	MWF 15:00 - 15:55	Lecture Hall BAX	
BEM/Ec/PS 080	1-0-0	Frontiers in Social Sciences	01	Cvitanic, J	M 12:00 - 12:55	128 BAX	P
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
PS 099A	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Staff	A	A	
PS 132	3-0-6	Formal Theories in Political Science	01	Agranov, M	TR 10:30 - 11:55	301E BAX	G
Ec/PS 160A	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Ec/PS 160A</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G

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<b>PSYCHOLOGY</b>							
Ec/Psy 109	3-0-6	Frontiers in Behavioral Economics	01	Camerer, C	TR 13:00 - 14:25	125 BAX	
Psy115	3-0-6	Social Psychology <i>maximum enrollment: 25 students</i>	01	Dubois, J	TR 10:30 - 11:55	B125 BAX	G
Psy283A	1.5-0-1.5	Graduate Proseminar in Social and Decision Neuroscience <i>this course is only open to graduate students in the Social and Decision Neuroscience, Computational and Neural Systems and Social Science PhD programs</i>	01	Camerer, C	T 14:30 - 15:55	B133 BAX	P
<b>SCIENTIFIC AND ENGINEERING COMMUNICATION</b>							
SEC010	3-0-0	Technical Seminar Presentations <i>previously was E 10 // maximum enrollment: 18 students per section</i>	01	Javier, R	MWF 09:00 - 09:55	100 PWL/BTH	G
			02	Javier, R	MWF 10:00 - 10:55	100 PWL/BTH	G
			03	Javier, R	MWF 11:00 - 11:55	100 PWL/BTH	G
E/SEC 103	3-0-6	Management of Technology <i>class cancelled</i>	01	Staff	A	A	
<b>SOCIAL SCIENCE</b>							
SS 201A	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i>	01	Tamuz, O	MW 14:30 - 15:55	125 BAX	G
SS 202A	3-0-6	Political Theory <i>Open to Social Science graduate students only.</i>	01	Hirsch, A	TR 10:30 - 11:55	127 BAX	G
SS 205A	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Doval, M	MW 10:30 - 11:55	B125 BAX	G
SS 209	3-0-6	Behavioral Economics	01	Camerer, C	TR 13:00 - 14:25	125 BAX	
SS 211A	3-0-6	Advanced Economic Theory	01	Doval, M	M 13:30 - 16:25	128 BAX	G
SS 222A	3-0-6	Econometrics <i>Open to graduate students only</i>	01	Shum, M	TR 13:00 - 14:25	228 BAX	G

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<b>SOCIAL SCIENCE</b>							
SS 223A	3-0-6	Topics in Theoretical and Applied Econometrics	01	Shum, M	F 13:00 - 15:55	128 BAX	G
SS 224	3-3-3	Social Science Data <i>open to social science graduate students only</i>	01	Alvarez, R	MWF 09:00 - 10:25	125 BAX	G
SS 228A	3-0-6	Applied Empirical Methods in the Social Sciences <i>open to graduate students only</i>	01	Katz, J	W 13:00 - 15:55	325 BAX	G
SS 229A	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Hoffman, P	OM,F 10:00 - 10:25	115c BAX	G
SS 231A	3-0-6	American and Comparative Politics <i>Open to graduate students only; prereq SS 202abc</i>	01	Alvarez, R	T 13:00 - 15:55	237 BAX	G
SS 260	3-3-3	Experimental Methods of Political Economy <i>Taught concurrently with Ec/PS 160 // Note: sec a required for secs b and c /Maximum enrollment: 10 students in 160a &amp; 260a</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
SS 282A	1.5-0-1.5	Graduate Proseminar in Social Science	01	Gibilisco, M	M 14:30 - 15:55	B125 BAX	P
SS 300	+	Research in Social Science	01	Ewens, M	A	A	P
			02	Plott, C	A	A	P
			03	Echenique, F	A	A	P
			04	Camerer, C	A	A	P
			05	Katz, J	A	A	P
			06	Cvitanic, J	A	A	P
			07	Snowberg, E	A	A	P
			08	Tamuz, O	A	A	P
			09	Rangel, A	A	A	P
			10	Kiewiet, D	A	A	P
			11	Alvarez, R	A	A	P
			12	Sherman, R	A	A	P
			13	Jackson, M	A	A	P

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<b>SOCIAL SCIENCE</b>							
SS 300	+	Research in Social Science	14	Adolphs, R	A	A	P
			15	Goeree, J	A	A	P
			16	Rosenthal, J	A	A	P
			17	Yariv, L	A	A	P
			18	Palfrey, T	A	A	P
			19	Shum, M	A	A	P
			20	Gillen, B	A	A	P
			21	Jin, J	A	A	P
			22	Hoffman, P	A	A	P
			23	O'Doherty, J	A	A	P
			24	Lester, H	A	A	P
			25	Mobbs, D	A	A	P
			26	Hershberg, J	A	A	P
			27	Hirsch, A	A	A	P
<b>STUDENT ACTIVITIES</b>							
SA 015A	2-0-3	Student Publications <i>class cancelled</i>	01	Staff	A	A	P
SA 016A	0-3-0	Cooking Basics <i>maximum enrollment: 16 students // location: 400 S. Hill</i>	01	Staff	T 18:30 - 21:25	A	P
SA 080A	1-1-1	Health Advocates <i>maximum enrollment: 24 students per section</i>	01	Stapf, M	W 19:00 - 21:55	YHC	P
			02	Stapf, M	R 19:00 - 21:55	YHC	P
SA 081B	1-1-1	Peer Advocates <i>open only to students enrolled in SA 81a previously</i>	01	Lal, A	T 19:00 - 20:55	104 WAT	P
<b>STUDY ABROAD</b>							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P

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<b>STUDY ABROAD</b>							
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
EPT100	36-0-0	Ecole Polytechnique Scholars Program	01	Staff	A	A	P
MEL100	36-0-0	Melbourne Scholars Program	01	Staff	A	A	P
UCH100	36-0-0	University of Chicago Scholars Program	01	Staff	A	A	P
<b>VISUAL CULTURE</b>							
Hum/VC 049	3-0-6	Consuming Victorian Media <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Sullivan, A	TR 14:30 - 15:55	115 BCK	P
En/VC 108	3-0-6	Volcanoes <i>maximum enrollment: 20 students</i>	01	Sullivan, A	TR 10:30 - 11:55	125 BAX	G
L/VC 109	3-0-6	Introduction to French Cinema from Its Beginning to the Present <i>maximum enrollment: 15 students</i>	01	Orcel, C	T 21:00 - 22:25 R 19:30 - 20:55	TR DAB TR DAB	G
VC 170	3-0-6	Special Topics in Visual Culture: Fabricating LA <i>maximum enrollment: 20 students</i>	01	Sobelle, S	W 19:00 - 21:55	115 DAB	G
<b>WRITING</b>							
Wr 001	3-0-6	Introduction to Academic Writing for Multilingual Writers <i>open to undergraduate students only</i>	01 02	Hall, S Sarmiento, C	TR 14:30 - 15:55 TR 09:00 - 10:25	B136 KRK 115 DAB	P P
Wr 002	3-0-6	Introduction to Academic Writing <i>open to undergraduate students only</i>	01 02	Daley, C Daley, C	TR 09:00 - 10:25 TR 14:30 - 15:55	125 BAX 106 ANB	P P



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<b>WRITING</b>							
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P