

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

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

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

TIMES/LOCATION/UNITS

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

DAYS OF THE WEEK

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

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
AEROSPACE							
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 <i>P/F option is not available if the course is required</i>	01	Dimotakis, P	MWF 10:00 - 10:55	A	
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	A	G
Ae/APh 104A	3-0-6	Experimental Methods	01	Dabiri, J	MWF 09:00 - 09:55	A	
Ae 105A	3-0-6	Space Engineering	01	Campagnola, S / Chung, S	TR 16:30 - 17:55	A	
Ae 121A	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	A	
Ae 150A	1-0-0	Aerospace Engineering Seminar	01	Meiron, D	M 13:00 - 13:55	A	P
EE/Ae 157A	3-0-6	Introduction to the Physics of Remote Sensing <i>class cancelled</i>	01	Staff	A	A	
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	A	
Ae/CE 165A	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	MW 15:00 - 15:55	A	
Ae 200	+	Advanced Research in Aerospace	01	Bhattacharya, K	A	A	P
			02	McKeon, B	A	A	P

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AEROSPACE							
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	Mawet, D	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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AEROSPACE							
Ae 200	+	Advanced Research in Aerospace	36	Dickinson, M	A	A	P
			37	Dabiri, J	A	A	P
Ae 204A	3-0-6	Technical Fluid Mechanics <i>class cancelled - to be offered winter term</i>	01	Staff	A	A	
Ae 208A	1-0-0	GALCIT Colloquium	01	McKeon, B / Chung, S	F 15:00 - 15:55	A	P
Ae 233	3-0-6	Hydrodynamic Stability	01	McKeon, B	TR 10:30 - 11:55	A	
Ae 240	+	Special Topics in Fluid Mechanics	01	Meiron, D	A	A	P
Ae/AM/CE/ME/Ge 26	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	MWF 09:00 - 09:55	A	
ANTHROPOLOGY							
An 015	3-0-6	Human Evolution	01	Alex, B	TR 14:30 - 15:55	A	
An 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
APPLIED & COMPUTATIONAL MATH							
ACM080A	+	Undergraduate Thesis	01	Staff	A	A	P
ACM081A	+	Undergraduate Projects in Applied and Computational Mathematics	01	Staff	A	A	P
ACM/IDS 101A	4-4-4	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	A	
ACM/IDS 104	3-1-5	Applied Linear Algebra <i>Ma 1abc prerequisite enforced</i>	01	Zuev, K	TR 10:30 - 11:55	A	

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APPLIED & COMPUTATIONAL MATH							
ACM/EE 106A	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y / Huang, D	TR 13:00 - 14:25	A	
CMS/ACM/IDS 107	3-0-9	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	A	
CMS/ACM/IDS 113	3-3-6	Mathematical Optimization	01	Chandrasekaran, V	MWF 10:30 - 11:55	A	
ACM/EE/IDS 116	3-1-5	Introduction to Probability Models <i>Ma 3 or EE 55 prerequisite enforced</i>	01	Zuev, K	TR 09:00 - 10:25	A	
CMS/ACM 117	3-0-9	Probability Theory and Stochastic Processes	01	Tropp, J	TR 10:30 - 11:55	A	
Ma/ACM/IDS 140A	3-0-6	Probability	01	Tamuz, O	MWF 13:00 - 13:55	A	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations <i>class cancelled</i>	01	Staff	A	A	P
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
			07	Bruno, O	A	A	P
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P
			03	Desbrun, M	A	A	P
			04	Hou, Y	A	A	P
			05	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

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APPLIED & COMPUTATIONAL MATH							
ACM300	+	Research in Applied and Computational Mathematics	10	Tropp, J	A	A	P
			12	Hassibi, B	A	A	P
			13	Stuart, A	A	A	P
			14	Graber, T	A	A	P
APPLIED MECHANICS							
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	A	G
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	P
AM/CE 151	3-0-6	Dynamics and Vibration	01	Asimaki, D	TR 13:00 - 14:25	A	G
AM 200	+	Advanced Work in Applied Mechanics	01	Staff	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 09:00 - 09:55	A	
AM 300	+	Research in Applied Mechanics	01	Lapusta, N	A	A	P
			02	Bhattacharya, K	A	A	P
			03	Andrade, J	A	A	P
			04	Avouac, J	A	A	P
			05	Murray, R	A	A	P
			06	Ortiz, M	A	A	P
			07	Phillips, R	A	A	P
			08	Ravichandran, G	A	A	P
APPLIED PHYSICS							
APh/EE 009A	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer, A	TR 13:00 - 13:55	A	
APh/EE 023	3-0-6	Demonstration Lectures in Classical and Quantum Photonics	01	Faraon, A	TR 13:00 - 14:25	A	

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APPLIED PHYSICS							
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
			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 <i>P/F option is not available if the course is required</i>	01	Dimotakis, P	MWF 10:00 - 10:55	A	
Ae/APh 104A	3-0-6	Experimental Methods	01	Dabiri, J	MWF 09:00 - 09:55	A	
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	OM,R 17:00 - 17:55	A	

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APPLIED PHYSICS							
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	A	P
APh114A	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	A	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure <i>class cancelled</i>	01	Staff	A	A	
EE/APh 123	1-3-5	Advanced Lasers and Photonics Laboratory <i>class cancelled</i>	01	Staff	A	A	G
Ph/APh 137A	3-0-6	Atoms and Photons	01	Hutzler, N	TR 10:30 - 11:55	A	
APh150	0-0-0	Topics in Applied Physics: Studies in Physical Biology <i>maximum enrollment: 4 students // 4 units (1-0-3)</i>	01	Phillips, R	OM,A	A	P
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	A	
EE/APh 180	3-0-3	Nanotechnology	01	Scherer, A	TR 14:30 - 15:55	A	
APh190A	3-0-6	Quantum Electronics	011	Vahala, K	TR 13:00 - 14:25	A	
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

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APPLIED PHYSICS							
APh200	+	Applied Physics Research	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
			26	Scherer, A	A	A	P
			27	Bock, 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			
37	Cushing, S	A	A	P			
38	Falson, J	A	A	P			
41	Schwab, K	A	A	P			
42	Lewis, N	A	A	P			
43	Spiropulu, M	A	A	P			

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APPLIED PHYSICS										
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			
			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			
			ASTROPHYSICS							
			Ay 020	3-1-5	Basic Astronomy and the Galaxy	01	Hallinan, G	W 18:00 - 18:55	A	
			Ay 030	2-0-1	Introduction to Modern Research	01	Martin, C	T 19:00 - 20:55	A	P

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ASTROPHYSICS							
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	
			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	
			20	Ravi, V	A	A	
Ay 101	3-0-6	Physics of Stars	01	Kirby, E	TR 14:30 - 15:55	A	
Ay/Ge 107	1-1-7	Introduction to Astronomical Observation <i>class cancelled</i>	01	Staff	A	A	
Ay 111A	3-0-0	Introduction to Current Astrophysics Research	01	Hallinan, G	F 11:00 - 11:55	A	P
Ay 121	3-0-6	Radiative Processes	01	Ravi, V	TR 10:30 - 11:55	A	

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ASTROPHYSICS							
Ay 122A	3-0-6	Astronomical Measurements and Instrumentation	01	Martin, C / Mawet, D	TR 13:00 - 14:25	A	
Ay 123	3-0-6	Structure and Evolution of Stars	01	Howard, A / Mawet, D	MW 10:30 - 11:55	A	
Ge/Ay 132	3-0-6	Atomic and Molecular Processes in Astronomy and Planetary Sciences	01	Blake, G	R 14:30 - 15:55	A	
Ay 141A	1-0-2	Research Conference in Astronomy	01	Kasliwal, M	F 16:00 - 16:55	A	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
			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
			23	Ravi, V	A	A	P
			24	Readhead, A	A	A	P

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ASTROPHYSICS							
Ay 142	+	Research in Astronomy and Astrophysics	25	Golwala, S	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
			22	Golwala, S	A	A	P
Ay 144	+	Independent Writing in Astronomy	01	Golwala, S	A	A	P
			02	Harrison, F	A	A	P
BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
Ch/BMB 129	3-0-6	Introduction to Biophotonics	01	Wei, L	M 13:00 - 14:55	A	
BMB/Bi/Ch 174	3-0-3	Advanced Topics in Biochemistry	01	Shan, S / Semlow, D	MW 12:00 - 13:25	A	

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB/Ch 178	3-0-6	Macromolecular Function: Kinetics, Energetics, and Mechanisms	01	Shan, S	WF 10:30 - 11:55	A	
BMB/Ch 202A	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 12:00 - 12:55	A	P
Bi/BMB 251A	1-0-0	Current Research in Cellular and Molecular Biology	01	Hay, B	W 12:00 - 12:55	A	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	Thomson, M	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
			25	Lester, H	A	A	P
			26	Sternberg, P	A	A	P
			27	Meyerowitz, E	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	28	Shan, S	A	A	P
			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

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	61	Voorhees, R	A	A	P
			62	Winfree, E	A	A	P
			63	Pachter, L	A	A	P
			64	Dunphy, W	A	A	P
BIOENGINEERING							
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers <i>class cancelled - will be offered spring term</i>	01	Staff	A	A	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			

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BIOENGINEERING										
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	27	Winfree, E	A	A	P			
			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	A				
			02	Bois, J	M 13:00 - 15:55 W 10:00 - 10:55	A				
			03	Bois, J	M 19:00 - 21:55 W 09:00 - 09:55	A				
			04	Bois, J	M 19:00 - 21:55 W 10:00 - 10:55	A				
			05	Bois, J	M 09:00 - 11:55 W 09:00 - 09:55	A				
			06	Bois, J	M 09:00 - 11:55 W 10:00 - 10:55	A				
			ChE/BE 163	3-0-9	Introduction to Biomolecular Engineering	01	Pierce, N / Arnold, F	TR 13:00 - 14:25	A	
			BE 167	1-0-0	Research Topics in Bioengineering <i>Required for first year grad students in BE // Roll will be taken at each meeting</i>	01	Cai, L	T 15:00 - 15:55	A	P

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BIOENGINEERING							
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 26 students</i>	01	Bois, J	TR 10:30 - 11:55	A	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Phillips, R	A	A	P
			03	Burdick, J	A	A	P
			04	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
			11	Cai, L	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
			27	Winfrey, 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

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	32	Sternberg, P	A	A	P
			33	Rothmund, P	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
			48	Adolphs, R	A	A	P
			49	Rutishauser, U	A	A	P
BIOLOGY							
Bi 002	1-0-2	Current Research in Biology <i>open to incoming freshmen only</i>	01	Elowitz, M	T 12:00 - 12:55	A	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
			06	Bjorkman, P	A	A	P
			07	Arnold, F	A	A	P
			08	Rothenberg, E	A	A	P
			09	Varshavsky, A	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	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
			19	Van Valen, D	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
			57	Goentoro, L	A	A	P
			58	Stevenson, D	A	A	P
			60	Hsiao, E	A	A	P
			61	Shan, S	A	A	P

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BIOLOGY										
Bi 022	+	Undergraduate Research	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>class cancelled - will be offered spring term</i>	01	Staff	A	A	G			
Bi 090A	+	Undergraduate Thesis	01	Bjorkman, P / Lester, H	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			
			16	Bjorkman, P / Hsieh-Wilson, L	A	A	P			
			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	A A	
02	Bois, J	M 13:00 - 15:55				A				

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BIOLOGY							
BE/Bi 103A	1-3-5	Introduction to Data Analysis in the Biological Sciences	02	Bois, J	W 10:00 - 10:55	A	
			03	Bois, J	M 19:00 - 21:55	A	
					W 09:00 - 09:55	A	
			04	Bois, J	M 19:00 - 21:55	A	
					W 10:00 - 10:55	A	
			05	Bois, J	M 09:00 - 11:55	A	
			06	Bois, J	W 09:00 - 09:55	A	
				M 09:00 - 11:55	A		
				W 10:00 - 10:55	A		
Ch/Bi 110	4-0-8	Introduction to Biochemistry	01	Clemons, W	MWF 11:00 - 11:55	A	
					W 15:00 - 15:55	A	
Bi 122	3-0-6	Genetics <i>no time conflicts are permitted</i>	01	Hay, B / Sternberg, P	TR 13:00 - 14:25	A	G
Bi 145A	3-0-6	Tissue and Organ Physiology	01	Tydell, C	MW 19:00 - 20:25	A	
Bi/CNS/NB 154	3-0-6	Principles of Neuroscience	01	Meister, M	WF 10:30 - 11:55	A	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	A	
Bi 165	2-3-1	Microbiology Research: Practice and Proposal	01	Hoy, J	W 11:00 - 11:55	A	P
ESE/Bi 166	3-1-5	Microbial Physiology	01	Leadbetter, J	MWF 09:00 - 09:55	A	
BMB/Bi/Ch 174	3-0-3	Advanced Topics in Biochemistry	01	Shan, S / Semlow, D	MW 12:00 - 13:25	A	
Bi 190	2-0-4	Systems Genetics <i>class cancelled</i>	01	Staff	A	A	
Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Thomson, M	TR 10:30 - 11:55	A	

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BIOLOGY							
Bi/CNS/NB 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	F 14:00 - 15:55	A	G
Ge/Bi/ESE 246	2-0-4	Molecular Geobiology Seminar <i>taught concurrently with Hum075</i>	01	Orphan, V / Mushkin, H	W 14:00 - 15:55	A	P
Bi 250A	3-0-6	Topics in Molecular and Cellular Biology	01	Aravin, A / Voorhees, R	TR 14:30 - 15:55	A	P
Bi/BMB 251A	1-0-0	Current Research in Cellular and Molecular Biology	01	Hay, B	W 12:00 - 12:55	A	P
Bi 252	2-0-2	Responsible Conduct of Research	01	Sternberg, P / Meyerowitz, E	M 14:00 - 15:55	A	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
			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

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BIOLOGY							
Bi 299	+	Graduate Research	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
			51	Stathopoulos, A	A	A	P
			52	Mazmanian, S	A	A	P
			53	Clemons, W	A	A	P
			54	Hay, B	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	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			
75	Peter Lashgari Faghani, I	A	A	P			
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P
BEM102	3-0-6	Introduction to Accounting <i>BEM102 does not count toward the 108 unit HSS requirement // maximum enrollment: 20 students</i>	01	McAniff, P	TR 10:30 - 11:55	A	
BEM105	3-0-6	Options	01	Cvitanic, J	TR 14:30 - 15:55	A	

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CHEMICAL ENGINEERING							
ChE015	1-4-4	Introduction to Chemical Engineering Computation	01	Flagan, R	TR 09:00 - 10:55	A	
ChE070	+	Special Topics in Chemical Engineering: Chem-E Car <i>class cancelled</i>	01	Brady, J / Vicic, M	A	A	
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
			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

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CHEMICAL ENGINEERING							
ChE090A	+	Senior Thesis	12	Wang, Z	A	A	P
			13	Callies, J	A	A	P
			14	Doyle, J	A	A	P
ChE090C	+	Senior Thesis	01	Tirrell, D	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	A	G
ChE103A	3-0-6	Transport Phenomena	01	Kornfield, J	MWF 10:00 - 10:55	A	
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	
			02	Vicic, M	MW 13:00 - 15:55	A	
			03	Vicic, M	TR 13:00 - 15:55	A	
ChE152	3-0-6	Heterogeneous Kinetics and Reaction Engineering	01	Giapis, K	TR 09:00 - 10:25	A	
ChE/BE 163	3-0-9	Introduction to Biomolecular Engineering	01	Pierce, N / Arnold, F	TR 13:00 - 14:25	A	
ChE/Ch 165	3-0-6	Chemical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	A	
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Ismagilov, R	A	A	P
			03	Atwater, H	A	A	P
			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

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	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
			27	Wang, K	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							
Ch 001A	3-0-3	General Chemistry	01	Lewis, N	MT 11:00 - 11:55	A	P
					R 11:00 - 11:55	A	
			02	Lewis, N	MT 11:00 - 11:55	A	P
					R 11:00 - 11:55	A	
			03	Lewis, N	MT 11:00 - 11:55	A	P
					R 11:00 - 11:55	A	
			04	Lewis, N	MT 11:00 - 11:55	A	P
					R 11:00 - 11:55	A	

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CHEMISTRY										
Ch 001A	3-0-3	General Chemistry	05	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	A A	P			
			06	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	A A	P			
			07	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	A A	P			
			08	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	A A	P			
			09	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	A A	P			
			10	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	A A	P			
			11	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	A A	P			
			12	Lewis, N	MT 11:00 - 11:55 R 11:00 - 11:55	A A	P			
			Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>All Ch 3a and Ch 3x students will be enrolled in Ch 3a with combined experiments. // Maximum enrollment: 95 students // Seniors who entered in 2017 must take course on Letter Grades, all others pass-fail</i>	01	Mendez, J	OM,F 09:00 - 09:55 F 14:00 - 14:55	A A	P
			Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Ch 3x is combined with Ch 3a this term. All Ch 3a and Ch 3x students will be enrolled in Ch 3a with combined experiments..</i>	01	Staff	A	A	P
						02	Staff	A	A	P
			Ch 005B	1-9-2	Advanced Techniques of Synthesis and Analysis <i>class cancelled</i>	01	Staff	A	A	
Ch 008	1-6-2	Experimental Procedures of Synthetic Chemistry for Premedical Students <i>class cancelled</i>	01	Staff	A	A				

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CHEMISTRY							
Ch 010A	1-0-0	Frontiers in Chemistry <i>Lab tour times to be determined. // open to freshmen and sophomores only</i>	01	Hoelz, A	R 12:00 - 12:55 A	A A	P
Ch 021A	3-0-6	Physical Chemistry	01	Okumura, M	MWF 13:00 - 13:55	A	
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	A A	
			02	Grubbs, R	MWF 09:00 - 09:55 W 20:00 - 20:55	A A	
			03	Grubbs, R	MWF 09:00 - 09:55 R 15:00 - 15:55	A A	
			04	Grubbs, R	MWF 09:00 - 09:55 R 20:00 - 20:55	A A	
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
			10	Reisman, S	A	A	P
			11	Goddard, W	A	A	P
			12	Rossmann, 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

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CHEMISTRY							
Ch 080	+	Chemical Research	20	Rees, D	A	A	P
			21	Wei, L	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 / 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
			12	Arnold, F	A	A	P
			13	Chan, G / Agapie, T	A	A	P
			14	Hadt, R	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	A	G
Ch/Bi 110	4-0-8	Introduction to Biochemistry	01	Clemons, W	MWF 11:00 - 11:55	A	
					W 15:00 - 15:55	A	
Ch 112	3-0-6	Inorganic Chemistry	01	Agapie, T / Hadt, R	TR 14:30 - 15:55	A	
Ch 121B	1-1-7	Atomic-Level Simulations of Materials and Molecules	01	Goddard, W	W 15:00 - 15:55	A	

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CHEMISTRY							
Ch 122	3-0-6	Structure Determination by X-ray Crystallography	01	Takase, M	MWF 09:00 - 09:55	A	G
Ch 125A	3-0-6	The Elements of Quantum Chemistry	01	Cushing, S	TR 13:00 - 14:25	A	G
Ch/BMB 129	3-0-6	Introduction to Biophotonics	01	Wei, L	M 13:00 - 14:55	A	
Ch 149	2-0-4	Tutorial in Organic Chemistry <i>Prerequisite: Ch 41abc & instructor's permission. // class closed - contact instructor to enroll</i>	01	Fu, G	MWF 14:00 - 15:55	A	P
			02	Stoltz, B	MWF 14:00 - 15:55	A	P
			03	Virgil, S	MWF 14:00 - 15:55	A	P
ChE/Ch 165	3-0-6	Chemical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	A	
ESE/Ge/Ch 172	3-0-0	Atmospheric Chemistry II	01	Wennberg, P / Seinfeld, J	OM,T 13:00 - 14:25	A	
					M 13:00 - 14:25	A	
BMB/Bi/Ch 174	3-0-3	Advanced Topics in Biochemistry	01	Shan, S / Semlow, D	MW 12:00 - 13:25	A	
BMB/Ch 178	3-0-6	Macromolecular Function: Kinetics, Energetics, and Mechanisms	01	Shan, S	WF 10:30 - 11:55	A	
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 12:00 - 12:55	A	P
Ch 213A	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	A	
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	A	
					TR 19:00 - 20:55	A	

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CHEMISTRY							
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
			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

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CHEMISTRY							
Ch 279	+	Rotations in Chemistry	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
			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			
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

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CHEMISTRY							
Ch 280	+	Chemical Research	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
			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

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CHEMISTRY							
Ch 280	+	Chemical Research	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
			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			
70	Faber, K	A	A	P			
CIVIL ENGINEERING							
CE 100	+	Special Topics in Civil Engineering	01	Staff	A	A	
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics <i>P/F option is not available if the course is required</i>	01	Dimotakis, P	MWF 10:00 - 10:55	A	
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	A	G

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CIVIL ENGINEERING							
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	P
AM/CE 151	3-0-6	Dynamics and Vibration	01	Asimaki, D	TR 13:00 - 14:25	A	G
Ae/CE 165A	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	MW 15:00 - 15:55	A	
CE 200	+	Advanced Work in Civil Engineering	01	Heaton, T	A	A	P
			02	Pellegrino, S	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 09:00 - 09:55	A	
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
COMPUTATION & NEURAL SYS							
CNS100	1-0-0	Introduction to Computation and Neural Systems	01	Siapas, A	W 16:00 - 16:55	A	P
Bi/CNS/NB 154	3-0-6	Principles of Neuroscience	01	Meister, M	WF 10:30 - 11:55	A	
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,T 12:00 - 12:55	A	
					TR 14:30 - 15:55	A	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	A	
CS/CNS 171	3-6-3	Computer Graphics Laboratory	01	Barr, A	MWF 15:00 - 15:55	A	

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COMPUTATION & NEURAL SYS							
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	Winfrey, E	A	A	P
			22	Wold, B	A	A	P
			23	Low, S	A	A	P
			24	Meister, M	A	A	P
			25	Kennedy, M	A	A	P
			26	Adolphs, R	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
			34	Rutishauser, U	A	A	P

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COMPUTATION & NEURAL SYS							
Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Thomson, M	TR 10:30 - 11:55	A	
Bi/CNS/NB 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	F 14:00 - 15:55	A	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
			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
			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

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COMPUTATION & NEURAL SYS							
CNS280	+	Research in Computation and Neural Systems	30	Mobbs, D	A	A	P
			31	Thomson, M	A	A	P
COMPUTER SCIENCE							
CS 001	3-4-2	Introduction to Computer Programming	01	Vanier, M / Hovik, M	MWF 14:00 - 14:55	A	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	A	
CS 009	1-0-0	Introduction to Computer Science Research	01	Low, S	R 12:00 - 12:55	A	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,T 21:00 - 21:55	A	P
			04	Vanier, M	OM,T 21:00 - 21:55	A	P
			10	Blank, A	OM,T 21:00 - 21:55	A	P
			11	Vanier, M / Blank, A	OM,T 21:00 - 21:55	A	P
			12	Vanier, M	OM,T 21:00 - 21:55	A	P
			13	Blank, A	OM,W 21:00 - 21:55	A	P
			14	Vanier, M	OM,T 21:00 - 21:55	A	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	A	P
CS 024	3-3-3	Introduction to Computing Systems	01	Blank, A	MWF 14:00 - 14:55	A	
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

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COMPUTER SCIENCE							
CS 080A	+	Undergraduate Thesis	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
			18	Murray, R	A	A	P
			19	Bouman, K	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
			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

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COMPUTER SCIENCE							
CS 081A	+	Undergraduate Projects in Computer Science	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
			37	Adolphs, R	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
			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			
19	Stoltz, B	A	A	P			

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COMPUTER SCIENCE							
CS 101	+	Special Topics in Computer Science: Projects in Machine Learning	01	Bouman, K	OM,T 10:00 - 10:55	A	
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	A	
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,T 21:00 - 21:55	A	P
			04	Vanier, M	OM,T 21:00 - 21:55	A	P
			10	Blank, A	OM,T 21:00 - 21:55	A	P
			11	Vanier, M / Blank, A	OM,T 21:00 - 21:55	A	P
			12	Vanier, M	OM,T 21:00 - 21:55	A	P
			14	Vanier, M	OM,T 21:00 - 21:55	A	P
Ma/CS 117A	3-0-6	Computability Theory	01	Kechris, A	TR 13:00 - 14:25	A	
EE/CS 119A	3-3-3	Advanced Digital Systems Design	01	George, G	TF 16:00 - 16:55	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	A	G
ME/CS/EE 133A	3-3-3	Robotics	01	Niemeyer, G	MWF 11:00 - 11:55	A	
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	TR 10:30 - 11:55	A	
CS/EE/IDS 143	3-3-3	Communication Networks <i>class closed for further enrollment, seniors can contact instructors for space availability // students should plan to attend one problem solving session each week on Wednesdays at</i>	01	Ralph, C / Low, S	A	A	

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COMPUTER SCIENCE							
CS/IDS 150A	3-0-6	Probability and Algorithms	01	Schulman, L	MWF 10:00 - 10:55	A	
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,T 12:00 - 12:55 TR 14:30 - 15:55	A A	
CS/CNS 171	3-6-3	Computer Graphics Laboratory	01	Barr, A	MWF 15:00 - 15:55	A	
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
Ph/CS 219A	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	A	P
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Anandkumar, A	A	A	P
			03	Winfree, 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

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COMPUTER SCIENCE							
CS 280	+	Research in Computer Science	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	A	P
COMPUTING AND MATHEMATICAL SCIENCES							
CMS/ACM/IDS 107	3-0-9	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	A	
CMS/ACM/IDS 113	3-3-6	Mathematical Optimization	01	Chandrasekaran, V	MWF 10:30 - 11:55	A	
CMS/ACM 117	3-0-9	Probability Theory and Stochastic Processes	01	Tropp, J	TR 10:30 - 11:55	A	
CMS270	0-0-0	Advanced Topics in Computing and Mathematical Sciences: Data-driven modeling of dynamical systems	01	Manohar, K	TR 13:00 - 14:25	A	
CMS290A	1-0-0	Computing and Mathematical Sciences Colloquium	01	Hou, Y	M 16:00 - 16:55	A	P
CMS300	+	Research in Computing and Mathematical Sciences	01	Wierman, A	A	A	P
			02	Vidick, T	A	A	P
			03	Beck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Doyle, J	A	A	P
			06	Murray, R	A	A	P
			07	Owhadi, H	A	A	P

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COMPUTING AND MATHEMATICAL SCIENCES										
CMS300	+	Research in Computing and Mathematical Sciences	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			
			CONTROL & DYNAMICAL SYSTEMS							
			CDS090A	0-0-9	Senior Thesis in Control and Dynamical Systems	01	Murray, R	A	A	G
						02	Chung, S	A	A	G
			CDS131	3-0-6	Linear Systems Theory	01	Murray, R	MWF 14:00 - 14:55	A	
			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			

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CONTROL & DYNAMICAL SYSTEMS							
CDS300A	+	Research in Control and Dynamical Systems	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
ECONOMICS							
Ec 011	3-2-4	Introduction to Economics	01	Plott, C	MWF 13:00 - 13:55	A	G
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	Camerer, C	A	A	P
			02	Echenique, F	A	A	P
			03	Agranov, M	A	A	P
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	A	G
Ec 121A	3-0-6	Theory of Value	01	Border, K	TR 10:30 - 11:55	A	G
Ec 122	3-0-6	Econometrics <i>maximum enrollment: 35 students</i>	01	Sherman, R	TR 13:00 - 14:25	A	
IDS/Ec/PS 126	3-0-6	Applied Data Analysis	01	Katz, J	MW 10:30 - 11:55	A	
Ec 135	3-0-6	Economics of Uncertainty and Information	01	Agranov, M	TR 09:00 - 10:25	A	
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</i>	01	Plott, C	TR 09:00 - 10:25	A	G

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ELECTRICAL ENGINEERING							
FS/EE 005	1-5-0	Freshman Seminar: Introduction to Waves <i>class cancelled - to be offered SP 2020-21</i>	01	Yang, C	A	A	P
EE/ME 007	2-3-1	Introduction to Mechatronics <i>class cancelled</i>	01	Staff	A	A	P
APh/EE 009A	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer, A	TR 13:00 - 13:55	A	
EE 013	0-3-0	Electronic System Prototyping <i>class cancelled</i>	01	Staff	A	A	
APh/EE 023	3-0-6	Demonstration Lectures in Classical and Quantum Photonics	01	Faraon, A	TR 13:00 - 14:25	A	
EE 044	4-0-8	Deterministic Analysis of Systems and Circuits	01	Hajimiri, S	TR 09:00 - 10:55	A	G
EE 055	3-0-6	Mathematics of Electrical Engineering	01	Chandrasekaran, V	MW 13:00 - 14:25	A	
EE 080A	+	Senior Thesis	01 03 04 05 06 07 08 09 11 12	Hajimiri, S Doyle, J Tai, Y Hassibi, B George, G Choo, H Emami, A Abbott, R Van Valen, D Scherer, A	A A A A A A A A A A	A A A A A A A A A A	P P P P P P P P P P
EE 091A	1-8-0	Experimental Projects in Electronic Circuits	01	Kalantar Ohanian, R	OM,W 16:00 - 16:55	A	G
EE 099	+	Advanced Work in Electrical Engineering	01 02 03 04	Scherer, A Tai, Y Perona, P George, G	A A A A	A A A A	P P P P

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ELECTRICAL ENGINEERING							
EE 099	+	Advanced Work in Electrical Engineering	05	Hajimiri, S	A	A	P
			06	Yang, C	A	A	P
			07	Burdick, J	A	A	P
			08	Atwater, H	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
ACM/EE 106A	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y / Huang, D	TR 13:00 - 14:25	A	
ME/EE/EST 109	3-0-6	Energy Technology and Policy <i>course has been renamed ME/EE/EST 117</i>	01	Staff	A	A	
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	OM,R 17:00 - 17:55	A	
EE 110C	3-4-2	Embedded Systems Design Laboratory <i>class cancelled</i>	01	Staff	A	A	
EE 111	3-0-6	Signal-Processing Systems and Transforms	01	Vaidyanathan, P	TR 13:00 - 14:25	A	
ACM/EE/IDS 116	3-1-5	Introduction to Probability Models <i>Ma 3 or EE 55 prerequisite enforced</i>	01	Zuev, K	TR 09:00 - 10:25	A	
ME/EE/EST 117	3-0-6	Energy Technology and Policy <i>formerly ME/EE/EST 109</i>	01	Blanquart, G	MWF 14:00 - 14:55	A	
EE/CS 119A	3-3-3	Advanced Digital Systems Design	01	George, G	TF 16:00 - 16:55	A	
EE/APh 123	1-3-5	Advanced Lasers and Photonics Laboratory <i>class cancelled</i>	01	Staff	A	A	G

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ELECTRICAL ENGINEERING							
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	A	G
ME/CS/EE 133A	3-3-3	Robotics	01	Niemeyer, G	MWF 11:00 - 11:55	A	
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	TR 10:30 - 11:55	A	
CS/EE/IDS 143	3-3-3	Communication Networks <i>class closed for further enrollment, seniors can contact instructors for space availability // students should plan to attend one problem solving session each week on Wednesdays at either 10-10:55am or 3-3:55pm</i>	01	Ralph, C / Low, S	A	A	
EE 152	2-3-7	High Frequency Systems Laboratory <i>class cancelled</i>	01	Staff	A	A	
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,T 12:00 - 12:55 TR 14:30 - 15:55	A A	
EE/Ae 157A	3-0-6	Introduction to the Physics of Remote Sensing <i>class cancelled</i>	01	Staff	A	A	
EE/APh 180	3-0-3	Nanotechnology	01	Scherer, A	TR 14:30 - 15:55	A	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 26 students</i>	01	Bois, J	TR 10:30 - 11:55	A	
EE 291	+	Advanced Work in Electrical Engineering	01 02 03 04 05 06 07 08	Hoffmann, M Yang, C Bruck, J Burdick, J Meister, M Doyle, J Effros, M Wang, L	A A A A A A A A	A A A A A A A A	P P P P P P P P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	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
			19	Anandkumar, A	A	A	P
			20	Tai, Y	A	A	P
			21	Yariv, A	A	A	P
			22	Quartz, S	A	A	P
			23	Mirhosseini Niri, 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
			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	Cvitanić, J	A	A	P
			40	Faraon, A	A	A	P
			41	Pellegrino, S	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	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
ENERGY SCIENCE AND TECHNOLOGY							
ME/EE/EST 109	3-0-6	Energy Technology and Policy <i>course has been renamed ME/EE/EST 117</i>	01	Staff	A	A	
ME/EE/EST 117	3-0-6	Energy Technology and Policy <i>formerly ME/EE/EST 109</i>	01	Blanquart, G	MWF 14:00 - 14:55	A	
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	TR 10:30 - 11:55	A	
ENGINEERING							
E 002	1-0-0	Frontiers in Engineering and Applied Science <i>maximum enrollment: 85 students // open to freshmen and sophomores</i>	01	McKeon, B	W 12:00 - 12:55	A	P
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>class cancelled</i>	01	Staff	A	A	P
ENGLISH							
Hum/En 020	3-0-6	The Epic Tradition <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Pigman, G	TR 09:00 - 10:25	A	
Hum/En 021	3-0-6	Monsters and Marvels <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Jahner, J	TR 09:00 - 10:25	A	

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ENGLISH							
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Jurca, C	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	A	
En 145	3-0-6	Literary Constructions of Motherhood <i>maximum enrollment: 15 students</i>	01	Hori, J	TR 14:30 - 15:55	A	
En/VC 160B	3-0-6	Classical Hollywood Cinema <i>maximum enrollment: 15 students</i>	01	Jurca, C	TR 10:30 - 11:55	A	
En 190	3-0-6	Chaucer <i>maximum enrollment: 15 students</i>	01	Jahner, J	TR 13:00 - 14:25	A	
ENGLISH AS A SECOND LANGUAGE							
ESL101A	3-0-0	Oral Communication and Pronunciation	01	Ashleigh, S	MW 17:00 - 18:25	A	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
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	WF 15:00 - 15:55	A	P
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Thompson, A	A	A	P
			02	Bordoni, S	A	A	P
			03	Adkins, J	A	A	P
ESE100	+	Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i>	01	Adkins, J	A	A	P
			02	Flagan, R	A	A	P
			03	Hoffmann, M	A	A	P
			04	Schneider, T	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE100	+	Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i>	05	Seinfeld, J	A	A	P
			06	Sessions, A	A	A	P
			07	Wennberg, P	A	A	P
			08	Thompson, A	A	A	P
ESE101	3-0-6	Earth's Atmosphere	01	Schneider, T	TR 10:30 - 11:55	A	
ESE102	3-0-6	Earth's Oceans	01	Thompson, A	MWF 11:00 - 11:55	A	
ESE104	1-0-0	Current Problems in Environmental Science and Engineering	01	Frankenberg, C	R 12:00 - 12:55	A	P
ESE106	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P
			02	Blake, G	A	A	P
			03	Bordoni, S	A	A	P
			04	Eiler, J	A	A	P
			05	Flagan, R	A	A	P
			06	Hoffmann, M	A	A	P
			07	Ingersoll, A	A	A	P
			08	Lamb, M	A	A	P
			09	Leadbetter, J	A	A	P
			10	Newman, D	A	A	P
			11	Okumura, M	A	A	P
			12	Orphan, V	A	A	P
			13	Schneider, T	A	A	P
			14	Seinfeld, J	A	A	P
			15	Sessions, A	A	A	P
			16	Wennberg, P	A	A	P
17	Yung, Y	A	A	P			
18	Thompson, A	A	A	P			
19	Frankenberg, C	A	A	P			
20	Callies, J	A	A	P			

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE110A	1-0-0	Seminar in Environmental Science and Engineering	01	Frankenberg, C	W 16:00 - 16:55	A	P
ESE156	3-0-6	Remote Sensing of the Atmosphere and Biosphere	01	Frankenberg, C	TR 15:00 - 16:25	A	
ESE/Bi 166	3-1-5	Microbial Physiology	01	Leadbetter, J	MWF 09:00 - 09:55	A	
ESE/Ge/Ch 172	3-0-0	Atmospheric Chemistry II	01	Wennberg, P / Seinfeld, J	OM,T 13:00 - 14:25 M 13:00 - 14:25	A A	
Ge/Bi/ESE 246	2-0-4	Molecular Geobiology Seminar <i>taught concurrently with Hum075</i>	01	Orphan, V / Mushkin, H	W 14:00 - 15:55	A	P
ESE300	+	Thesis Research	01	Sessions, A	A	A	P
			02	Ingersoll, A	A	A	P
			03	Hering, J	A	A	P
			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
FRESHMAN SEMINARS							

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FRESHMAN SEMINARS							
FS 002	2-0-4	Freshman Seminar: The Origins of Ideas <i>maximum enrollment: 12 students</i>	01	Bruck, J	R 16:00 - 17:25	A	P
FS/EE 005	1-5-0	Freshman Seminar: Introduction to Waves <i>class cancelled - to be offered SP 2020-21</i>	01	Yang, C	A	A	P
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	A	P
FS/Ph 011A	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
FS/Ge 016	2-0-4	Freshman Seminar: Earthquakes	01	Stock, J	T 14:00 - 15:55	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	WF 15:00 - 15:55	A	P
GEOLOGY							
Ge 011A	3-3-3	Introduction to Earth and Planetary Sciences: Earth as a Planet <i>Field Trip Dates: TBA // taught concurrently with Ge 101</i>	01	Wernicke, B	MWF 14:00 - 14:55	A	
FS/Ge 016	2-0-4	Freshman Seminar: Earthquakes	01	Stock, J	T 14:00 - 15:55	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	WF 15:00 - 15:55	A	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

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GEOLOGY							
Ge 040	+	Special Problems for Undergraduates	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
			18	Kirschvink, J	A	A	P
			Ge 101	3-0-6	Introduction to Geology and Geochemistry <i>Field Trip: TBA // taught concurrently with Ge 011A</i>	01	Wernicke, B
Ay/Ge 107	1-1-7	Introduction to Astronomical Observation <i>class cancelled</i>	01	Staff	A	A	
Ge 108	3-0-6	Applications of Physics to the Earth Sciences	01	Brown, M	TR 09:00 - 10:25	A	

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GEOLOGY							
Ge 109	+	Oral Presentation	01	Rossmann, G	A	A	P
		<i>Section 1: Geochemistry // Section 2: Geobiology</i>	02	Sessions, A	A	A	P
Ge 114A	3-4-2	Mineralogy	01	Rossmann, G	MWR 15:00 - 15:55	A	
Ge 114B	0-2-1	Mineralogy Laboratory	01	Rossmann, G	TR 16:00 - 17:55	A	
Ge 121A	0-9-3	Advanced Field Geology <i>class cancelled - to be offered spring term</i>	01	Avouac, J	A	A	
Ge 125	3-5-4	Geomorphology	01	Lamb, M	MWF 11:00 - 11:55 F 14:00 - 16:55	A A	
Ge/Ay 132	3-0-6	Atomic and Molecular Processes in Astronomy and Planetary Sciences	01	Blake, G	R 14:30 - 15:55	A	
Ge 136A	1-0-2	Regional Field Geology of the Southwestern United States <i>class cancelled</i>	01	Staff	A	A	P
Ge 141	3-0-6	Isotopes Cosmochemistry	01	Tissot, F	WF 11:30 - 12:55	A	
Ge 151	3-3-3	Planetary Surfaces <i>Field Trip Dates: TBA</i>	01	Ehlmann, B / de Kleer, K	TR 13:00 - 14:25	A	
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	A	
Ge 161	3-0-6	Plate Tectonics	01	Stock, J	TR 10:30 - 11:55	A	
ESE/Ge/Ch 172	3-0-0	Atmospheric Chemistry II	01	Wennberg, P / Seinfeld, J	OM,T 13:00 - 14:25 M 13:00 - 14:25	A A	
Ge 190	+	The Nature and Evolution of the Earth	01	Newman, D	A	A	P
		<i>Outreach and mentoring // Sections 1 - 4: 3 units</i>	02	Sessions, A	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J	A	A	P

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GEOLOGY							
Ge 194	3-0-6	Special Topics in the Planetary Sciences: Europa Seminar	01	Brown, M	W 16:00 - 16:55 F 13:00 - 13:55	A A	
Ge 211	+	Applied Geophysics II <i>class cancelled</i>	01	Staff	A	A	G
Ge 215	3-0-6	Topics in Advanced Petrology	01	Asimow, P	MWF 10:00 - 10:55	A	
Ge/Bi/ESE 246	2-0-4	Molecular Geobiology Seminar <i>taught concurrently with Hum075</i>	01	Orphan, V / Mushkin, H	W 14:00 - 15:55	A	P
Ae/AM/CE/ME/Ge 266	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	MWF 09:00 - 09:55	A	
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
			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
			20	Ehlmann, B	A	A	P
			21	Zhan, Z	A	A	P
			22	Leadbetter, J	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	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
			07	Clayton, R	A	A	P
			08	Eiler, J	A	A	P
			09	Grotzinger, J	A	A	P

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GEOLOGY							
Ge 299	+	Thesis Research	10	Gurnis, M	A	A	P
			11	Burnett, 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
			41	Tissot, F	A	A	P
			42	Bordoni, S	A	A	P
			43	Zhan, Z	A	A	P
			44	Ross, Z	A	A	P

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GEOLOGY							
Ge 299	+	Thesis Research	45	de Kleer, K	A	A	P
HISTORY							
Hum/H 005	3-0-6	The History of the Chinese Empire <i>class cancelled</i>	01	Staff	A	A	
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start</i>	01 02	Hoffman, P Hoffman, P	TR 14:30 - 15:55 TR 09:00 - 10:25	A A	
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Brown, W	TR 09:00 - 10:25	A	
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	A	
Hum/H 012	3-0-6	Social Theory <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Dykstra, M	TR 14:30 - 15:55	A	
Hum/H/HPS 016	3-0-6	Visualizing the Heavens: Images and Instruments of Early Modern Astronomy <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Gaida, M	TR 14:30 - 15:55	A	
Hum/H/HPS 017	3-0-6	Making Life Legible: Materials and Methods in the History of Modern Biology <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Kollmer, C	TR 09:00 - 10:25	A	

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HISTORY							
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
H 099A	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01 02 03	Brown, W Kousser, J Dykstra, M	A A A	A A A	
H 131	3-0-6	History of Extinction <i>maximum enrollment: 15 students</i>	01	Lewis, D	T 19:00 - 21:55	A	G
H 137	3-0-6	Criminals, Outlaws, and Justice in a Thousand Years of Chinese History <i>maximum enrollment: 15 students</i>	01	Dykstra, M	R 19:00 - 21:55	A	
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	A	
VC/H/HPS 163	3-0-6	Science on Screen <i>maximum enrollment: 15 students</i>	01	Shell, H	TR 10:30 - 11:55	A	
HPS/H 173	3-0-6	Carving Nature at its Joints: History of Natural Kinds and Biological Individuality <i>maximum enrollment: 15 students</i>	01	Kollmer, C	TR 14:30 - 15:55	A	
HPS/H 176	3-0-6	The Occult Origins of Modern Science: Alchemy, Astrology, and Magic <i>maximum enrollment: 15 students</i>	01	Gaida, M	TR 10:30 - 11:55	A	
HISTORY AND PHILOSOPHY OF SCIENCE							
Hum/H/HPS 016	3-0-6	Visualizing the Heavens: Images and Instruments of Early Modern Astronomy <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Gaida, M	TR 14:30 - 15:55	A	
Hum/H/HPS 017	3-0-6	Making Life Legible: Materials and Methods in the History of Modern Biology <i>attendance at first class is required // maximum</i>	01	Kollmer, C	TR 09:00 - 10:25	A	

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HISTORY AND PHILOSOPHY OF SCIENCE							
HPS098	+	Reading in History and Philosophy of Science <i>Instructor permission required prior to registering</i>	01	Staff	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 <i>class cancelled</i>	01	Staff	A	A	P
HPS/PI 123	3-0-6	Introduction to the Philosophy of Physics <i>maximum enrollment: 20 students</i>	01	Hubert, M	TR 09:00 - 10:25	A	
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 26th // maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	A	
HPS/PI 138	3-0-6	Human Nature and Society <i>open by lottery only; see link on the REGIS home page to enter by May 26th // maximum enrollment: 15 students</i>	01	Quartz, S	TR 14:30 - 15:55	A	
VC/H/HPS 163	3-0-6	Science on Screen <i>maximum enrollment: 15 students</i>	01	Shell, H	TR 10:30 - 11:55	A	
HPS/H 173	3-0-6	Carving Nature at its Joints: History of Natural Kinds and Biological Individuality <i>maximum enrollment: 15 students</i>	01	Kollmer, C	TR 14:30 - 15:55	A	
HPS/H 176	3-0-6	The Occult Origins of Modern Science: Alchemy, Astrology, and Magic <i>maximum enrollment: 15 students</i>	01	Gaida, M	TR 10:30 - 11:55	A	
HUMANITIES							
Hum/H 005	3-0-6	The History of the Chinese Empire <i>class cancelled</i>	01	Staff	A	A	
Hum/H 009B	3-0-6	European Civilization: Early Modern Europe <i>attendance at first class is required // maximum</i>	01 02	Hoffman, P Hoffman, P	TR 14:30 - 15:55 TR 09:00 - 10:25	A A	

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HUMANITIES							
Hum/H 010	3-0-6	Medieval Europe: The Problem of Violence <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Brown, W	TR 09:00 - 10:25	A	
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	A	
Hum/H 012	3-0-6	Social Theory <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Dykstra, M	TR 14:30 - 15:55	A	
Hum/H/HPS 016	3-0-6	Visualizing the Heavens: Images and Instruments of Early Modern Astronomy <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Gaida, M	TR 14:30 - 15:55	A	
Hum/H/HPS 017	3-0-6	Making Life Legible: Materials and Methods in the History of Modern Biology <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Kollmer, C	TR 09:00 - 10:25	A	
Hum/En 020	3-0-6	The Epic Tradition <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Pigman, G	TR 09:00 - 10:25	A	
Hum/En 021	3-0-6	Monsters and Marvels <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Jahner, J	TR 09:00 - 10:25	A	
Hum/PI 041	3-0-6	Knowledge and Reality <i>attendance at first class is required // maximum</i>	01 02	Eberhardt, F Eberhardt, F	TR 13:00 - 14:25 TR 14:30 - 15:55	A A	

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HUMANITIES							
Hum/PI 045	3-0-6	Ethics & AI <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start</i>	01	Pham, A	TR 09:00 - 10:25	A	
			02	Pham, A	TR 13:00 - 14:25	A	
Hum/VC 049	3-0-6	Consuming Victorian Media <i>class cancelled</i>	01	Staff	A	A	P
Hum/VC 050	3-0-6	Introduction to Film <i>attendance at first class is required // maximum enrollment: 15 students // class closed - see instructor</i>	01	Jurca, C	TR 14:30 - 15:55	A	
Hum075	2-0-4	Selected Topics in Humanities: Environmental Justice <i>taught concurrently with Ge/Bi/ESE 246 // maximum enrollment in Hum 75: 8 students</i>	01	Mushkin, H / Orphan, V	W 14:00 - 15:55	A	P
Hum114A	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 20 students (between L 114a and Hum 114a)</i>	01	Garcia, D	OM,T 17:00 - 17:55	A	
INFORMATION AND DATA SCIENCES							
ACM/IDS 101A	4-4-4	Methods of Applied Mathematics	01	Bruno, O	TR 14:30 - 16:25	A	
ACM/IDS 104	3-1-5	Applied Linear Algebra <i>Ma 1abc prerequisite enforced</i>	01	Zuev, K	TR 10:30 - 11:55	A	
CMS/ACM/IDS 107	3-0-9	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	A	
CMS/ACM/IDS 113	3-3-6	Mathematical Optimization	01	Chandrasekaran, V	MWF 10:30 - 11:55	A	
ACM/EE/IDS 116	3-1-5	Introduction to Probability Models <i>Ma 3 or EE 55 prerequisite enforced</i>	01	Zuev, K	TR 09:00 - 10:25	A	
IDS/Ec/PS 126	3-0-6	Applied Data Analysis	01	Katz, J	MW 10:30 - 11:55	A	

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INFORMATION AND DATA SCIENCES							
Ma/ACM/IDS 140A	3-0-6	Probability	01	Tamuz, O	MWF 13:00 - 13:55	A	
CS/EE/IDS 143	3-3-3	Communication Networks <i>class closed for further enrollment, seniors can contact instructors for space availability // students should plan to attend one problem solving session each week on Wednesdays at either 10-10:55am or 3-3:55pm</i>	01	Ralph, C / Low, S	A	A	
CS/IDS 150A	3-0-6	Probability and Algorithms	01	Schulman, L	MWF 10:00 - 10:55	A	
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Staff	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01 02	Yue, Y Zuev, K	A A	A A	P P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Perona, P	A	A	P
LANGUAGES							
L 102A	3-0-6	Elementary French <i>maximum enrollment: 15 students</i>	01	Orcel, C	OM,T 14:00 - 14:55	A	G
L 103A	3-0-6	Intermediate French <i>maximum enrollment: 15 students</i>	01	Merrill, T	OM,T 14:00 - 14:55	A	
L 106A	4-0-5	Elementary Japanese <i>maximum enrollment: 15 students per section</i>	01 02	Fujio, M Fujio, M	MTWR 15:00 - 15:55 MTWR 16:00 - 16:55	A A	
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	A	
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	A	

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LANGUAGES							
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	OM,T 15:00 - 15:55	A	G
L 110A	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students per section</i>	01 02	Arjona, G Garcia, D	OM,T 14:00 - 14:55 MWR 12:00 - 12:55	A A	
L 112A	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Arjona, G	OM,T 15:00 - 15:55	A	
L 114A	3-0-6	Spanish and Latin American Literature <i>maximum enrollment: 20 students (between L 114a and Hum 114a)</i>	01	Garcia, D	OM,T 17:00 - 17:55	A	
L 130A	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	A	
L 132A	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	A	
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	A	
L 170A	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	MTW 12:00 - 12:55	A	
L 171A	3-0-6	Elementary Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MTW 16:00 - 16:55	A	
L 172A	3-0-6	Intermediate Chinese <i>maximum enrollment: 20 students</i>	01	Wang, X	TR 09:00 - 10:25	A	
L 173A	3-0-6	Advanced Chinese <i>maximum enrollment: 20 students</i>	01	Ming, F	MW 17:00 - 18:25	A	
MATERIALS SCIENCE							
MS 078A	+	Senior Thesis	01 02 03	Johnson, W Fultz, B Greer, J	A A A	A A A	P P P

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MATERIALS SCIENCE							
MS 078A	+	Senior Thesis	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 078C	+	Senior Thesis	01	Fultz, B	A	A	P
MS 100	+	Advanced Work in Materials Science	01	Fultz, B	A	A	P
			02	Lewis, N	A	A	P
			03	Faber, K	A	A	P
			04	Davis, M	A	A	P
			05	Daraio, C	A	A	P
			06	Falson, J	A	A	P
MS 110A	1-0-0	Materials Research Lectures	01	Fultz, B	W 16:00 - 16:55	A	P
MS 115	3-0-6	Fundamentals of Materials Science	01	Faber, K	MWF 09:00 - 09:55	A	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure <i>class cancelled</i>	01	Staff	A	A	
MS 132	3-0-6	Diffraction and Structure	01	Fultz, B	TR 09:00 - 10:25	A	
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
			08	Kornfield, J	A	A	P
			09	Gao, W	A	A	P

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MATERIALS SCIENCE							
MS 200	+	Advanced Work in Materials Science	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
			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			
MATHEMATICS							
Ma 001A	4-0-5	Calculus of One and Several Variables and Linear Algebra	01	Demiroglu, Y	MTWF 10:00 - 10:55 R 19:30 - 20:55	A	P
			02	Katz, N	MWF 10:00 - 10:55 R 09:00 - 09:55	A	P
			03	Katz, N	MWF 10:00 - 10:55 R 10:00 - 10:55	A	P

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MATHEMATICS										
Ma 001A	4-0-5	Calculus of One and Several Variables and Linear Algebra	04	Katz, N	MWF 10:00 - 10:55 R 10:00 - 10:55	A	P			
			05	Katz, N	MWF 10:00 - 10:55 R 13:00 - 13:55	A	P			
			06	Katz, N	MWF 10:00 - 10:55 R 13:00 - 13:55	A	P			
			07	Katz, N	MWF 10:00 - 10:55 R 14:00 - 14:55	A	P			
			08	Katz, N	MWF 10:00 - 10:55 W 19:00 - 19:55	A	P			
			09	Katz, N	MWF 10:00 - 10:55 R 09:00 - 09:55	A	P			
			10	Katz, N	MWF 10:00 - 10:55 R 14:00 - 14:55	A	P			
			11	Katz, N	MWF 10:00 - 10:55 R 19:00 - 19:55	A	P			
			Ma 002	4-0-5	Differential Equations <i>taught concurrently with Ma 102 // Practical Track: Sections 1-5 // Analytical Track: Sections 6-8</i>	01	Wang, L	MWF 10:00 - 10:55 R 09:00 - 09:55	A	
						02	Wang, L	MWF 10:00 - 10:55 R 10:30 - 11:25	A	
						03	Wang, L	MWF 10:00 - 10:55 R 13:00 - 13:55	A	
04	Wang, L	MWF 10:00 - 10:55 R 14:30 - 15:25				A				
05	Wang, L	MWF 10:00 - 10:55 R 15:00 - 15:55				A				
06	Frank, R	MWF 10:00 - 10:55 R 09:00 - 09:55				A				
07	Frank, R	MWF 10:00 - 10:55 R 10:00 - 10:55				A				
08	Frank, R	MWF 10:00 - 10:55 R 19:00 - 19:55				A				

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MATHEMATICS							
Ma 005A	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105a</i>	01	Graber, T	MWF 09:00 - 09:55	A	
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	A	
Ma 008	3-0-0	Problem Solving in Calculus	01	Demiroglu, Y	TR 19:30 - 20:55	A	P
Ma 010	2-0-1	Oral Presentation	01	Mantovan, E	T 14:00 - 15:55	A	P
Ma 017	2-0-2	How to Solve It	01	Mantovan, E	T 19:00 - 20:55	A	P
Ma 020	1-0-0	Frontiers in Mathematics <i>class cancelled</i>	01	Staff	A	A	P
Ma 092A	+	Senior Thesis	01	Mantovan, E	A	A	P
			02	Marcolli, M	A	A	P
			03	Burungale, A	A	A	P
			04	Zhu, X	A	A	P
Ma 097	+	Research in Mathematics	01	Mantovan, E	A	A	P
Ma 098	+	Independent Reading	01	Mantovan, E	A	A	P
			02	Katz, N	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	A A	
			02	Frank, R	MWF 10:00 - 10:55 R 09:00 - 09:55	A A	
Ma 105A	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5a</i>	01	Graber, T	MWF 09:00 - 09:55	A	
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	A	

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MATHEMATICS							
Ma 108A	3-0-6	Classical Analysis	01	Dunn, A	MWF 11:00 - 11:55	A	
Ma 109A	3-0-6	Introduction to Geometry and Topology	01	Smillie, P	MWF 13:00 - 13:55	A	
Ma 110A	3-0-6	Analysis	01	Karpukhin, M	MWF 11:00 - 11:55	A	
Ma 111A	3-0-6	Topics in Analysis	01	Frank, R	MWF 14:00 - 14:55	A	P
Ma/CS 117A	3-0-6	Computability Theory	01	Kechris, A	TR 13:00 - 14:25	A	
Ma 120A	3-0-6	Abstract Algebra	01	Szumowicz, A	MWF 09:00 - 09:55	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	A	G
Ma 130A	3-0-6	Algebraic Geometry	01	Graber, T	MWF 13:00 - 13:55	A	
Ma/ACM/IDS 140A	3-0-6	Probability	01	Tamuz, O	MWF 13:00 - 13:55	A	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations <i>class cancelled</i>	01	Staff	A	A	P
Ma 147A	3-0-6	Dynamical Systems	01	Radziwill, M	TR 10:30 - 11:55	A	
Ma 148A	3-0-6	Topics in Mathematical Physics	01	Demirel-Frank, S	TR 10:30 - 11:55	A	P
Ma 151A	3-0-6	Algebraic and Differential Topology	01	Mazel-Gee, A	MWF 10:00 - 10:55	A	
Ma 157A	3-0-6	Riemannian Geometry	01	Wang, L	MWF 13:00 - 13:55	A	

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MATHEMATICS							
Ma 160A	3-0-6	Number Theory	01	Radziwill, M	TR 13:00 - 14:25	A	
Ma 191A	3-0-6	Selected Topics in Mathematics <i>sec 1: Topics in the arithmetic of elliptic curves //</i> <i>sec 2: Topics in Symplectic Geometry, pass-fail only</i>	01	Burungale, A	TR 10:30 - 11:55	A	
			02	Ni, Y	TR 13:00 - 14:25	A	
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
			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

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MATHEMATICS							
Ma 390	+	Research	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
21	Kapustin, A	A	A	P			
MECHANICAL ENGINEERING							
EE/ME 007	2-3-1	Introduction to Mechatronics <i>class cancelled</i>	01	Staff	A	A	P
ME 010	1-0-0	Thinking Like an Engineer	01	Andrade, J	W 12:00 - 12:55	A	P
ME 011A	3-0-6	Thermal Science	01	Minnich, A	MWF 14:00 - 14:55	A	
ME 012A	3-0-6	Mechanics	01	Mello, M	TR 13:00 - 14:25	A	G
ME 013	0-4-0	Mechanical Prototyping <i>class cancelled</i>	01	Staff	A	A	P
ME 040	3-0-6	Dimensional and Data Analyses in Engineering	01	Colonus, T	MWF 13:00 - 13:55	A	
ME 072A	3-4-2	Engineering Design Laboratory	01	Mello, M / Van Deusen, J	TR 15:00 - 16:25	A	G

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MECHANICAL ENGINEERING							
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	Colonius, 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
			09	Perona, P	A	A	P
			10	Hall, J	A	A	P
			11	Daraio, C	A	A	P
			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
			17	Mello, M	A	A	P
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics <i>P/F option is not available if the course is required</i>	01	Dimotakis, P	MWF 10:00 - 10:55	A	
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	A	G
ME/EE/EST 109	3-0-6	Energy Technology and Policy <i>course has been renamed ME/EE/EST 117</i>	01	Staff	A	A	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Staff	A	A	P
ME 113	0-4-0	Mechanical Prototyping <i>class cancelled</i>	01	Staff	A	A	P
ME/EE/EST 117	3-0-6	Energy Technology and Policy <i>formerly ME/EE/EST 109</i>	01	Blanquart, G	MWF 14:00 - 14:55	A	

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MECHANICAL ENGINEERING							
ME 119	3-0-6	Heat and Mass Transfer	01	Hunt, M	TR 09:00 - 10:25	A	
ME/CS/EE 133A	3-3-3	Robotics	01	Niemeyer, G	MWF 11:00 - 11:55	A	
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	A	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	A	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
Ae/AM/CE/ME/Ge 26	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	MWF 09:00 - 09:55	A	
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

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	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
			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			
MEDICAL ENGINEERING							
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	A	P
MedE 101	3-0-6	Introduction to Clinical Physiology and Pathophysiology for Engineers	01	Petrasek, D	TR 14:30 - 15:55	A	P
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 26 students</i>	01	Bois, J	TR 10:30 - 11:55	A	
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	A	A	P

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MEDICAL ENGINEERING										
MedE 291	+	Research in Medical Engineering	03	Gao, W	A	A	P			
			04	Emami, A	A	A	P			
			05	Faraon, A	A	A	P			
			06	Gharib, M	A	A	P			
			07	Greer, J	A	A	P			
			08	Hajimiri, S	A	A	P			
			09	Scherer, A	A	A	P			
			10	Tai, Y	A	A	P			
			11	Yang, C	A	A	P			
			12	Chandy, K	A	A	P			
			13	Pickar, K	A	A	P			
			14	Colonus, T	A	A	P			
			15	Grubbs, R	A	A	P			
			16	Ismagilov, R	A	A	P			
			17	Shapiro, M	A	A	P			
			18	Wang, L	A	A	P			
			19	Gradinaru, V	A	A	P			
			20	Daraio, C	A	A	P			
			21	Pachter, L	A	A	P			
			22	Kornfield, J	A	A	P			
			23	Thomson, M	A	A	P			
			MUSIC							
			Mu 051	3-0-6	Understanding Music <i>maximum enrollment: 25 students</i>	01	Neenan, T	MW 11:00 - 12:25	A	
Mu 057	3-0-6	Fundamentals of Music Theory and Elementary Ear Training <i>class cancelled</i>	01	Staff	A	A				
Mu 137	3-0-6	History I: Music History to 1750 <i>maximum enrollment: 20 students</i>	01	Neenan, T	MW 14:00 - 15:25	A				
NEUROBIOLOGY										

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NEUROBIOLOGY							
Bi/CNS/NB 154	3-0-6	Principles of Neuroscience	01	Meister, M	WF 10:30 - 11:55	A	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	A	
Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Thomson, M	TR 10:30 - 11:55	A	
Bi/CNS/NB 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	F 14:00 - 15:55	A	G
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P
			03	Andersen, R	A	A	P
			04	Anderson, D	A	A	P
			05	Bronner Hansen, M	A	A	P
			06	Dickinson, M	A	A	P
			07	Gradinaru, V	A	A	P
			08	Hong, E	A	A	P
			09	Kennedy, M	A	A	P
			10	Lester, H	A	A	P
			11	Lois, C	A	A	P
			12	Meister, M	A	A	P
			13	Oka, Y	A	A	P
			14	Prober, D	A	A	P
			15	Roukes, M	A	A	P
			16	Shapiro, M	A	A	P
			17	Shimojo, S	A	A	P
			18	Siapas, A	A	A	P
			19	Sternberg, P	A	A	P
			20	Tsao, D	A	A	P
			21	Wagenaar, D	A	A	P
			22	Zinn, K	A	A	P
			23	Yue, Y	A	A	P

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PERFORMING AND VISUAL ARTS							
PVA030A	0-3-0	Guitar	01	Elgart, M	T 16:30 - 17:25	A	P
		<i>Sec 1: Beginning Guitar / Sec 2: Intermediate</i>	02	Elgart, M	T 15:30 - 16:25	A	P
		<i>Guitar / Sec 3: Advanced Guitar</i>	03	Elgart, M	T 17:30 - 18:25	A	P
PVA031A	0-3-0	Chamber Music	01	Jasper White, M	OM,A	A	P
		<i>Sec 1: Mixed Ensembles / Sec 2: Piano four-</i>	02	Ward, R	OM,A	A	P
		<i>hands / Sec 3: Guitar Ensemble</i>	03	Elgart, M	OM,A	A	P
PVA032A	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:15	A	P
PVA033A	0-3-0	Wind Orchestra	01	Price, G	R 19:15 - 21:25	A	P
PVA034A	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:30 - 21:00	A	P
					W 21:15 - 22:55	A	
PVA035A	0-3-0	Glee Club	01	Sulahian, N	M 19:00 - 20:25	A	P
					W 17:05 - 18:35	A	
PVA037A	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 22:00	A	P
PVA040A	2-0-1	Find Your Stories	01	Brophy, B	W 19:00 - 20:25	A	P
PVA041A	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	A	P
PVA042A	2-0-1	Improvisation for Scientists	01	Brophy, B	W 20:30 - 21:55	A	P
PVA061A	0-3-0	Silkscreen and Silk Painting	01	Barry, J	M 19:00 - 21:55	A	P
PVA062A	0-3-0	Drawing and Painting	01	Barry, J	T 19:00 - 21:55	A	P
PVA063A	0-3-0	Ceramics <i>class cancelled</i>	01	Staff	A	A	P

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PHILOSOPHY							
Hum/PI 041	3-0-6	Knowledge and Reality <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed - see instructor</i>	01	Eberhardt, F	TR 13:00 - 14:25	A	
			02	Eberhardt, F	TR 14:30 - 15:55	A	
Hum/PI 045	3-0-6	Ethics & AI <i>attendance at first class is required // maximum enrollment: 15 students per section // class closed to continuing students until term start</i>	01	Pham, A	TR 09:00 - 10:25	A	
			02	Pham, A	TR 13:00 - 14:25	A	
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 123	3-0-6	Introduction to the Philosophy of Physics <i>maximum enrollment: 20 students</i>	01	Hubert, M	TR 09:00 - 10:25	A	
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 26th // maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	A	
HPS/PI 138	3-0-6	Human Nature and Society <i>open by lottery only; see link on the REGIS home page to enter by May 26th // maximum enrollment: 15 students</i>	01	Quartz, S	TR 14:30 - 15:55	A	
PHYSICAL EDUCATION							
PE 001	3-0-0	Wellness <i>maximum enrollment: 18 students per section</i>	01	Morgan, H / Alikhan, M	TR 14:30 - 15:55	A	P
			02	Reyes, B / Alikhan, M	MWF 13:00 - 13:55	A	P
PE 002	3-0-0	Student Designed Fitness <i>may only be taken once // maximum enrollment: 18 students per section</i>	01	Daly, S / Rensing, D	TR 10:30 - 11:55	A	P
			02	Gardner, T	MW 14:00 - 15:25	A	P
			03	Rensing, D	MW 15:00 - 16:25	A	P

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PHYSICAL EDUCATION							
PE 003	3-0-0	Hiking <i>may only be taken once // maximum enrollment: 24 students</i>	01	Brabson, A	F 09:00 - 12:55	A	P
PE 004	3-0-0	Introduction to Power Walking <i>maximum enrollment: 18 students</i>	01	Gamble, M	TR 09:00 - 10:25	A	P
PE 005	3-0-0	Beginning Running <i>maximum enrollment: 18 students</i>	01	Raphelson, B	TR 09:00 - 10:25	A	P
PE 006	3-0-0	Core Training, Beginning/Intermediate <i>maximum enrollment: 18 students per section</i>	01 02	Bonafede, J Whitehead, K	MWF 11:00 - 11:55 TR 15:00 - 16:25	A A	P 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	MW 13:00 - 14:25	MPR BAC	P
PE 024	3-0-0	Yoga, Beginning <i>maximum enrollment: 24 students</i>	01	Morgan, H	MW 13:00 - 14:25	A	P
PE 030	3-0-0	Golf, Beginning and Intermediate <i>class cancelled</i>	01	Staff	A	A	P
PE 036	3-0-0	Swimming, Beginning/Intermediate <i>class cancelled</i>	01	Staff	A	A	P
PE 038	3-0-0	Water Polo <i>class cancelled</i>	01	Staff	A	A	P
PE 044	3-0-0	Karate (Shotokan), Beginning and Intermediate/Advanced <i>class cancelled</i>	01	Staff	A	A	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate <i>class cancelled</i>	01	Staff	A	A	P
PE 056	3-0-0	Squash, Beginning, Intermediate, Advanced <i>class cancelled</i>	01	Staff	A	A	P

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PHYSICAL EDUCATION							
PE 060	3-0-0	Tennis, Beginning and Intermediate <i>class cancelled</i>	01	Staff	A	A	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate <i>Section 1: beginning - maximum enrollment: 18 students // Section 2: cancelled</i>	01	Gould, E	MWF 10:00 - 10:55	A	P
			02	Staff	A	A	P
PE 071	3-0-0	Advanced Techniques of Human Performance <i>maximum enrollment: 18 students per section // section 1 cancelled</i>	01	Daly, S	A	A	P
			02	Lopez, J / Cohen, J	MW 09:00 - 10:25	A	P
			03	Cohen, J	TR 14:30 - 15:55	A	P
PE 081	3-0-0	Bouldering <i>class cancelled</i>	01	Staff	A	A	P
PE 082	3-0-0	Rock Climbing, Beginning and Intermediate <i>class cancelled</i>	01	Staff	A	A	P
PE 087A	3-0-0	Intercollegiate Swimming and Diving Teams <i>Open to NCAA eligible students only</i>	01	Brabson, A	OM,MW 16:00 - 16:55	A	P
PE 089A	3-0-0	Intercollegiate Fencing Teams <i>class cancelled</i>	01	Staff	A	A	P
PE 090A	3-0-0	Intercollegiate Water Polo Teams <i>class cancelled</i>	01	Bonafede, J	A	A	P
PE 091A	3-0-0	Intercollegiate Basketball Teams <i>Open to NCAA eligible students only // Women's team only fall term</i>	01	Reyes, B	OM,MW 16:00 - 16:55	A	P
PE 092	3-0-0	Intercollegiate Soccer Teams <i>Open to NCAA eligible students only // Women's team only fall term</i>	01	Gould, E	OM,MW 16:00 - 16:55	A	P
PE 093A	3-0-0	Intercollegiate Baseball Team <i>Open to NCAA eligible students only</i>	01	Whitehead, K	OM,MW 16:00 - 16:55	A	P
PE 095A	3-0-0	Intercollegiate Tennis Teams <i>Open to NCAA eligible students only</i>	01	Cohen, J / Gamble, M	OM,MW 16:00 - 16:55	A	P
PE 097	3-0-0	Intercollegiate Cross-Country Teams <i>Open to NCAA eligible students only</i>	01	Raphelson, B	OM,MW 16:00 - 16:55	A	P

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PHYSICAL EDUCATION							
PE 099	3-0-0	Intercollegiate Volleyball Team <i>Open to NCAA eligible students only</i>	01	Gardner, T	OM,MW 16:00 - 16:55	A	P
PHYSICS							
Ph 001A	4-0-5	Classical Mechanics and Electromagnetism <i>section 9 cancelled</i>	01	Cheung, C	WF 11:00 - 11:55 MR 13:00 - 13:55	A A	P
			02	Cheung, C	WF 11:00 - 11:55 MR 15:00 - 15:55	A A	P
			03	Cheung, C	WF 11:00 - 11:55 MR 21:00 - 21:55	A A	P
			04	Cheung, C	WF 11:00 - 11:55 MR 15:00 - 15:55	A A	P
			05	Cheung, C	WF 11:00 - 11:55 MR 13:00 - 13:55	A A	P
			06	Cheung, C	WF 11:00 - 11:55 MR 15:00 - 15:55	A A	P
			07	Cheung, C	WF 11:00 - 11:55 MR 13:00 - 13:55	A A	P
			08	Cheung, C	WF 11:00 - 11:55 MR 15:00 - 15:55	A A	P
			09	Cheung, C	A	A	P
			10	Cheung, C	WF 11:00 - 11:55 MR 15:00 - 15:55	A A	P
Ph 002A	4-0-5	Waves, Quantum Mechanics, and Statistical Physics	01	Porter, F	TR 11:00 - 11:55 WF 11:00 - 11:55	A A	
			02	Porter, F	TR 11:00 - 11:55 WF 13:00 - 13:55	A A	
			03	Porter, F	TR 11:00 - 11:55 WF 15:00 - 15:55	A A	
			04	Porter, F	TR 11:00 - 11:55 WF 19:00 - 19:55	A A	

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PHYSICS							
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	A	
					W 13:00 - 15:55	A	
			02	Black, E / Libbrecht, K	OM,T 14:00 - 14:55	A	
					R 13:00 - 15:55	A	
			03	Black, E / Libbrecht, K	OM,T 14:00 - 14:55	A	
					F 13:00 - 15:55	A	
Ph 005	0-5-4	Analog Electronics for Physicists <i>class cancelled</i>	01	Staff	A	A	
Ph 007	0-9-0	Physics Laboratory <i>class cancelled</i>	01	Staff	A	A	G
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	A	P
Ph 010	2-0-1	Frontiers in Physics <i>maximum enrollment: 33 students // open to freshmen and sophomores</i>	01	Spiropulu, M	W 12:00 - 13:55	A	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	A	
					R 10:30 - 11:55	A	
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Weinstein, A	OM,T 15:00 - 15:55	A	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Weinstein, A	OM,T 15:00 - 15:55	A	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Weinstein, A	OM,T 15:00 - 15:55	A	P
Ph 070	2-0-4	Oral and Written Communication	01	Hitlin, D	T 14:00 - 15:55	A	G

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PHYSICS							
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,T 15:00 - 15:55	A	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,T 15:00 - 15:55	A	
Ph 078A	9-0-0	Senior Thesis (Experiment)	01	Libbrecht, K	A	A	P
Ph 079A	9-0-0	Senior Thesis (Theory)	01	Libbrecht, K	A	A	P
Ph 105	3-0-6	Analog Electronics for Physicists <i>class cancelled</i>	01	Staff	A	A	
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	Fuller, J	MWF 11:00 - 11:55	A	
Ph 121A	0-6-0	Computational Physics Lab	01	Simmons-Duffin, D	OM,T 10:30 - 11:25	A	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	A	
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	A	
Ph 129A	4-0-5	Mathematical Methods of Physics <i>topic: Group Theoretic Methods in Physics // Recitation time and location will be determined during the first week of classes.</i>	01	Chen, X	TR 14:30 - 15:55	A	
Ph 135	3-0-6	Introduction to Condensed Matter	01	Refael, G	TR 13:00 - 14:25	A	
Ph 136A	3-0-6	Applications of Classical Physics	01	Phinney, E	MW 13:00 - 14:25	A	

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PHYSICS							
Ph/APh 137A	3-0-6	Atoms and Photons	01	Hutzler, N	TR 10:30 - 11:55	A	
Ph 171	+	Reading and Independent Study	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P

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PHYSICS							
Ph 171	+	Reading and Independent Study	31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P
			56	Zmuidzinas, J	A	A	P
			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	A	A	P

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PHYSICS							
Ph 172	+	Research in Physics	07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	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

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PHYSICS							
Ph 172	+	Research in Physics	40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P
			56	Zmuidzinas, J	A	A	P
			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			
62	Zurek, K	A	A	P			
Ph 205A	3-0-6	Relativistic Quantum Field Theory	01	Gukov, S	MW 10:30 - 11:55	A	
Ph/CS 219A	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	A	P
Ph 230A	3-0-6	Elementary Particle Theory	01	Zurek, K	MW 09:00 - 10:25	A	
Ph 242A	2-0-2	Physics Seminar	01	Patterson, R	F 12:00 - 13:55	A	P

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PHYSICS							
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	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

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PHYSICS							
Ph 300	+	Thesis Research	33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
53	Wise, M	A	A	P			
54	Yeh, N	A	A	P			
55	Yue, Y	A	A	P			
56	Zmuidzinas, J	A	A	P			
POLITICAL SCIENCE							
PS 012	3-0-6	Introduction to Political Science	01	Ordeshook, P	MWF 15:00 - 15:55	A	
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 //</i>	01	Ordeshook, P	A	A	

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POLITICAL SCIENCE							
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Alvarez, R	A	A	
PS 101	1-1-1	Selected Topics in Political Science: The 2020 Presidential Elections	01	Alvarez, R	W 11:00 - 11:55	A	
IDS/Ec/PS 126	3-0-6	Applied Data Analysis	01	Katz, J	MW 10:30 - 11:55	A	
PS 132	3-0-6	Formal Theories in Political Science	01	Agranov, M	TR 10:30 - 11:55	A	
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	A	G
PSYCHOLOGY							
Psy115	3-0-6	Social Psychology <i>maximum enrollment: 30 students</i>	01	Kahn, D	TR 10:30 - 11:55	A	
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	Adolphs, R / O'Doherty, J	T 14:30 - 15:55	A	P
SCIENTIFIC AND ENGINEERING COMMUNICATION							
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	A	G
			02	Javier, R	MWF 10:00 - 10:55	A	G
			03	Javier, R	MWF 11:00 - 11:55	A	G
SEC011	1-0-2	Written Academic Communication in Engineering and Applied Science <i>Open to E&AS seniors only // Maximum</i>	01	Burkett, E	W 11:00 - 11:55	A	

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SCIENTIFIC AND ENGINEERING COMMUNICATION							
SEC111	3-0-3	Effective Communication Strategies for Engineers and Scientists <i>Limited to 18 students, by application only. Priority given to EAS grad students.</i>	01	Javier, R	R 14:00 - 16:55	A	P
SOCIAL SCIENCE							
SS 201A	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i>	01	Echenique, F	MWF 09:00 - 09:55	A	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	A	G
SS 205A	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Border, K	TR 14:30 - 15:55	A	G
SS 210A	3-0-6	Foundations of Political Economy <i>course cancelled - will be offered spring term</i>	01	Hirsch, A	A	A	G
SS 211A	3-0-6	Advanced Economic Theory	01	Tamuz, O	TR 09:00 - 10:25	A	
SS 212A	3-0-6	Experimental Economics	01	Sprenger, C	MW 09:00 - 10:25	A	
SS 213A	3-0-6	Financial Economics	01	Cvitanic, J	TR 10:30 - 11:55	A	
SS 222A	3-0-6	Econometrics <i>Open to graduate students only</i>	01	Shum, M	TR 13:00 - 14:25	A	G
SS 223A	3-0-6	Topics in Theoretical and Applied Econometrics	01	Shum, M	TR 14:30 - 15:55	A	G
SS 229A	3-0-6	Theoretical and Quantitative Dimensions of Historical Development <i>class cancelled - to be offered spring term</i>	01	Rosenthal, J	A	A	G
SS 231A	3-0-6	American and Comparative Politics <i>Open to graduate students only; prereq SS 202abc</i>	01	Katz, J	W 13:00 - 15:55	A	G

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SOCIAL SCIENCE							
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 & 260a</i>	01	Plott, C	TR 09:00 - 10:25	A	G
SS 281	3-0-6	Graduate Social Science Writing Seminar	01	Rosenthal, J	TR 13:00 - 14:25	A	P
SS 282A	1.5-0-1.5	Graduate Proseminar in Social Science	01	Gibilisco, M	M 14:30 - 15:55	A	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
			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

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SOCIAL SCIENCE							
SS 300	+	Research in Social Science	25	Mobbs, D	A	A	P
			27	Hirsch, A	A	A	P
			28	Eberhardt, F	A	A	P
STUDENT ACTIVITIES							
SA 015A	2-0-3	Student Publications	01	Kipling, R	OM,R 13:00 - 14:25	A	P
SA 016A	0-3-0	Cooking Basics	01	Mannion, T	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 18:00 - 19:55	A	P
			02	Stapf, M	R 18:00 - 19:55	A	P
SA 081B	1-1-1	Peer Advocates <i>class cancelled</i>	01	Staff	A	A	P
STUDY ABROAD							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
UCL100	36-0-0	University College London Scholars Program	01	Staff	A	A	P
EDN100	36-0-0	University of Edinburgh Scholars Program	01	Staff	A	A	P
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

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VISUAL CULTURE							
Hum/VC 049	3-0-6	Consuming Victorian Media <i>class cancelled</i>	01	Staff	A	A	P
Hum/VC 050	3-0-6	Introduction to Film <i>attendance at first class is required // maximum enrollment: 15 students // class closed - see instructor</i>	01	Jurca, C	TR 14:30 - 15:55	A	
VC 055	3-0-3	Visual Narratives & Colors of the Americas <i>class cancelled</i>	01	Staff	A	A	
En/VC 108	3-0-6	Volcanoes <i>maximum enrollment: 20 students</i>	01	Sullivan, A	TR 10:30 - 11:55	A	
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	OM,T 15:00 - 15:55	A	G
VC 120	2-2-2	Landscape, Representation and Society <i>class cancelled - will be offered spring term</i>	01	Staff	A	A	
En/VC 160B	3-0-6	Classical Hollywood Cinema <i>maximum enrollment: 15 students</i>	01	Jurca, C	TR 10:30 - 11:55	A	
VC/H/HPS 163	3-0-6	Science on Screen <i>maximum enrollment: 15 students</i>	01	Shell, H	TR 10:30 - 11:55	A	
WRITING							
Wr 002	3-0-6	Introduction to Academic Writing <i>open to undergraduate students only</i>	01	Hall, S	TR 14:30 - 15:55	A	P
			02	Daley, C	TR 09:00 - 10:25	A	P
			03	Daley, C	TR 14:30 - 15:55	A	P
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P