

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

ALLES	Alles Laboratory	HAM	Hameetman Center
ANB	Annenberg Center for Information Science and Technology	JRG	Jorgensen Laboratory
ARM	Arms Laboratory of Geological Sciences	KCK	Keck Engineering Laboratory
AVE	Avery House	KRK	Kerckhoff Laboratory of Biological Sciences
BAC	Braun Athletic Center	KSP	Keith Spaulding Building
BAX	Baxter Hall of Humanities and Social Services	LAU	Lauritsen Physics Laboratory
BBB	Beckman Laboratory of Behavioral Biology	LINDE	Ronald and Maxine Linde Hall of Mathematics and Physics
BCK	Beckman Institute	LLB	Ronald and Maxine Linde Laboratory for Global Environmental Science
BCK AUD	Beckman Auditorium	MLKN	Robert A. Millikan Memorial Building
BRD	Broad Center	MRE	Moore Laboratory
BRG	Bridge Laboratory of Physics	NMD	North Mudd Building of Geological Sciences
BRN	Braun Laboratory	NYS	Noyes Laboratory of Chemical Physics
BRW	Brown Gym	NewMedia	NewMedia Classroom
CHL	Cahill Center for Astronomy and Astrophysics	POLY	Polytechnic School
CHR	Church Laboratory of Chemical Biology	PWB	Powell/Booth Laboratory
CNRB	Tianqiao and Chrissy Chen Neuroscience Research Building	REMOTE	
CRL	Crellin Chemistry Laboratory	RSC	Resnick Sustainability Center
CSS	Center for Student Services	SCH	Schlinger Laboratory
Caltech		SFL	Sherman Fairchild Library
DAB	Dabney Hall of Humanities	SMD	South Mudd Building of Geophysics and Planetary Sciences
DWN	Downs Physics Laboratory	SPL	Spalding Laboratory of Chemical Engineering
FIR	Firestone Flight Science Laboratory	STL	Steele Laboratory of Electrical Engineering
GCL	Gates Chemical Laboratory	TCT	Theater Arts at Caltech (TACIT)
GTL	Gates-Thomas Engineering Laboratory	WAT	Watson Laboratory of Applied Physics
GUG	Guggenheim 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
 T = Tuesday
 W = Wednesday
 R = Thursday
 F = Friday
 S = Saturday
 U = Sunday

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
AEROSPACE							
Ae 100	+	Research in Aerospace	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
			10	Bae, H	A	A	P
			11	Austin, J	A	A	P
			Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Bae, H
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
Ae 103A	3-0-6	Aerospace Control Systems	01	Rahmani, A	MW 14:30 - 15:55	232 GUG	
Ae/APh 104A	3-0-6	Experimental Methods	01	Dabiri, J	MW 08:30 - 09:55	133 GUG	G
Ae 105A	3-0-6	Space Engineering	01	Campagnola, S	TR 14:30 - 15:55	133 GUG	
CE/Ae/AM 108A	3-5-1	Computational Mechanics	01	Ramarathinam, N	OM,M 11:00 - 11:55	232 GUG	
Ae/ME 118	3-0-6	Classical Thermodynamics	01	Minnich, A	TR 14:30 - 15:55	A	
Ae 121A	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	133 GUG	
Ae 150A	1-0-0	Aerospace Engineering Seminar	01	Austin, J	M 13:00 - 13:55	133 GUG	P

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AEROSPACE							
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	
Ae/CE 165A	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	OM,M 16:00 - 16:55	384 FIR	
Ae 200	+	Advanced Research in Aerospace	01	Bhattacharya, K	A	A	P
			02	McKeon, B	A	A	P
			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
			24	Gurnis, M	A	A	P
			25	Minnich, A	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

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AEROSPACE							
Ae 200	+	Advanced Research in Aerospace	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
			36	Dickinson, M	A	A	P
			37	Dabiri, J	A	A	P
			38	Bae, H	A	A	P
			39	Kornfield, J	A	A	P
Ae 201A	3-0-6	Advanced Fluid Mechanics <i>Students without the listed prerequisites will not be permitted to enroll in Ae 200-level classes without explicit prior approval from the instructor</i>	01	Dimotakis, P	TR 10:30 - 11:55	232 GUG	P
Ae 208A	1-0-0	GALCIT Colloquium	01	Staff	F 15:00 - 15:55	133 GUG	P
Ae 240	+	Special Topics in Fluid Mechanics	01	Austin, J	A	A	P
ANTHROPOLOGY							
An 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
APPLIED & COMPUTATIONAL MATH							
ACM080A	+	Undergraduate Thesis	01	Saito, K	A	A	P
			02	Bruno, O	A	A	P
			03	Anandkumar, A	A	A	P
			04	Schroeder, P	A	A	P
ACM081A	+	Undergraduate Projects in Applied and Computational Mathematics	01	Wierman, A	A	A	P
			02	Anandkumar, A	A	A	P
			03	Bruno, O	A	A	P

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APPLIED & COMPUTATIONAL MATH							
ACM081A	+	Undergraduate Projects in Applied and Computational Mathematics	04	Schroeder, P	A	A	P
ACM/IDS 101A	4-4-4	Methods of Applied Mathematics	01	Bruno, O	MW 10:00 - 11:55	213 ANB	
ACM/IDS 104	3-1-5	Applied Linear Algebra <i>Ma 1abc prerequisite enforced</i>	01	Zuev, K	TR 10:30 - 11:55	125 KRK	
ACM/EE 106A	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	104 ANB	
CMS/ACM/IDS 107A	3-0-9	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	213 ANB	
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	125 KRK	
CMS/ACM 117	3-0-9	Probability Theory and Computational Mathematics	01	Tropp, J	MW 14:00 - 15:55	213 ANB	
CMS/ACM/EE 122	4-0-8	Mathematical Optimization	01	Chandrasekaran, V	MW 10:00 - 11:55	105 ANB	
Ma/ACM/IDS 140A	3-0-6	Probability	01	Tamuz, O	MWF 14:00 - 14:55	289 LINDE	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations	01	Looi, S	TR 09:00 - 10:25	255 LINDE	
ACM190	+	Reading and Independent Study	01	Hou, Y	A	A	P
			02	Hassibi, B	A	A	P
			04	Heaton, T	A	A	P
			05	Owhadi, H	A	A	P
			06	Hoffmann, F	A	A	P
			07	Bruno, O	A	A	P
			08	Stuart, A	A	A	P
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P

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APPLIED & COMPUTATIONAL MATH										
ACM300	+	Research in Applied and Computational Mathematics	04	Hou, Y	A	A	P			
			05	Beck, J	A	A	P			
			06	Meiron, D	A	A	P			
			07	Pierce, N	A	A	P			
			08	Schroeder, P	A	A	P			
			09	Owhadi, H	A	A	P			
			10	Tropp, J	A	A	P			
			11	Hoffmann, F	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	135 GTL	G
			CE/Ae/AM 108A	3-5-1	Computational Mechanics	01	Ramarathinam, N	OM,M 11:00 - 11:55	232 GUG	
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P			
AM 200	+	Advanced Work in Applied Mechanics	01	Staff	A	A	P			
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			
			07	Phillips, R	A	A	P			
			08	Ravichandran, G	A	A	P			
			09	Fu, X	A	A	P			
			10	Greer, J	A	A	P			
			APPLIED PHYSICS							

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APPLIED PHYSICS							
APh/EE 009	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer, A	TR 13:00 - 13:55	B280 MRE	
APh078A	0-9-0	Senior Thesis, Experimental	01	Painter, O	A	A	G
			02	Vahala, K	A	A	G
			03	Atwater, H	A	A	G
			04	Scherer, A	A	A	G
			05	Bellan, P	A	A	G
			06	Phillips, R	A	A	G
			07	Troian, S	A	A	G
			08	Faraon, A	A	A	G
			09	Lewis, N	A	A	G
			10	Yung, Y	A	A	G
			11	Schwab, K	A	A	G
			12	Endres, M	A	A	G
			13	Hajimiri, S	A	A	G
			14	Fultz, B	A	A	G
APh079A	0-9-0	Senior Thesis, Theoretical	01	Troian, S	A	A	G
			02	Kimble, H	A	A	G
			03	Fultz, B	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
			09	Minnich, A	A	A	P
			10	Painter, O	A	A	P
			12	Bellan, P	A	A	P
			13	Falson, J	A	A	P
			14	Marandi, A	A	A	P

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APPLIED PHYSICS							
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Bae, H	MWF 10:00 - 10:55	133 GUG	G
Ae/APh 104A	3-0-6	Experimental Methods	01	Dabiri, J	MW 08:30 - 09:55	133 GUG	G
APh/MS/ME 105A	3-0-6	States of Matter	01	Minnich, A	TR 14:30 - 15:55	104 WAT	
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Ghaffari, A	OM,W 16:00 - 16:55	104 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	104 WAT	P
APh114A	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	104 WAT	
EE/APh 120	3-0-6	Physical Optics	01	Mirhosseini, M	MW 10:30 - 11:55	B280 MRE	
EE/APh 123	1-3-5	Advanced Lasers and Photonics Laboratory <i>Mandatory information session on Wed. 10/2 at 1:00pm in KCK 142. Attending the session is mandatory for enrollment.</i>	01	Marandi, A	M 11:00 - 11:55 OM,W 13:00 - 13:55	142 KCK 142 KCK	G
APh/EE 130	3-0-6	Electromagnetic Theory for Photonic Devices	01	Faraon, A	TR 13:00 - 14:25	142 KCK	
Ph/APh 137A	3-0-6	Atoms and Photons	01	Hutzler, N	TR 10:30 - 11:55	103 DWN	
APh156A	3-0-6	Plasma Physics <i>Make-up class on Fridays, 2:30-4pm in 104 Watson</i>	01	Bellan, P	MW 14:30 - 15:55	104 WAT	
EE/APh 180	3-0-3	Nanotechnology	01	Scherer, A	TR 14:30 - 15:55	B280 MRE	
APh200	+	Applied Physics Research	01 03	Atwater, H Bellan, P	A A	A A	P P

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APh200	+	Applied Physics Research	05	Troian, S	A	A	P
			06	Fultz, B	A	A	P
			07	Johnson, W	A	A	P
			08	Chen, Y	A	A	P
			09	Minnich, A	A	A	P
			10	Refael, G	A	A	P
			11	Goddard, W	A	A	P
			12	Faraon, A	A	A	P
			13	Hsieh, D	A	A	P
			14	Preskill, J	A	A	P
			15	Faraon, A	A	A	P
			16	Yang, C	A	A	P
			17	Alicea, J	A	A	P
			18	Gharib, M	A	A	P
			19	Bernardi, M	A	A	P
			20	Painter, O	A	A	P
			21	Phillips, R	A	A	P
			22	Nad Perge, S	A	A	P
			23	Kimble, H	A	A	P
			24	Roukes, M	A	A	P
			25	Hutzler, N	A	A	P
			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	Schneider, T	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

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APh200	+	Applied Physics Research	38	Falson, J	A	A	P
			41	Schwab, K	A	A	P
			42	Lewis, N	A	A	P
			43	Spiropulu, M	A	A	P
			44	Daraio, C	A	A	P
			45	Marandi, A	A	A	P
			46	Mirhosseini, M	A	A	P
			47	Chan, G	A	A	P
			48	Burdick, J	A	A	P
			49	Golwala, S	A	A	P
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	Cushing, S	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
			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			
22	Marandi, A	A	A	P			
24	Vahala, K	A	A	P			
25	Nad Perge, S	A	A	P			

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APPLIED PHYSICS							
APh300	+	Thesis Research in Applied Physics	27	Painter, O	A	A	P
			28	Schwab, K	A	A	P
			29	Chen, Y	A	A	P
			30	Minnich, A	A	A	P
			31	Schneider, T	A	A	P
			32	Falson, J	A	A	P
			33	Burdick, J	A	A	P
			34	Endres, M	A	A	P
ASTROPHYSICS							
Ay 020	3-1-5	Basic Astronomy and the Galaxy	01	Hillenbrand, L	TR 13:00 - 14:25	Hameetman Aud CHL	
Ay 030	2-0-1	Introduction to Modern Research	01	Howard, A	T 19:00 - 20:55	219 CHL	P
Ay 043	+	Reading in Astronomy and Astrophysics	01	Staff	A	A	P
Ay 078A	9-0-0	Senior Thesis	01	Bock, J	A	A	
			02	Djorgovski, S	A	A	
			03	Fuller, J	A	A	
			04	Hallinan, G	A	A	
			05	Harrison, F	A	A	
			06	Hillenbrand, L	A	A	
			07	Hopkins, P	A	A	
			08	Howard, A	A	A	
			09	Kasliwal, M	A	A	
			10	El-Badry, K	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	

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ASTROPHYSICS							
Ay 078A	9-0-0	Senior Thesis	17	Sargent, A	A	A	
			18	Steidel, C	A	A	
			19	Zmuidzinas, J	A	A	
			20	Ravi, V	A	A	
			21	Batygin, K	A	A	
Ay 101	3-0-6	Physics of Stars	01	Fuller, J	MWF 15:00 - 15:55	219 CHL	
Ay 111A	1-0-0	Introduction to Current Astrophysics Research	01	El-Badry, K	F 11:00 - 11:55	219 CHL	P
Ay 121	3-0-6	Radiative Processes	01	Kulkarni, S	TR 10:30 - 11:55	219 CHL	
Ay 122A	3-0-6	Astronomical Measurements and Instrumentation	01	Howard, A / Steidel, C	TR 13:00 - 14:25	219 CHL	
Ay 123	3-0-6	Structure and Evolution of Stars	01	El-Badry, K	TR 14:30 - 15:55	219 CHL	
Ge/Ay 133	3-0-6	The Formation and Evolution of Planetary Systems	01	Batygin, K	MWF 13:00 - 13:55	162 SMD	
Ay 141A	1-0-1	Research Conference in Astronomy	01	Steidel, C	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Bock, J	A	A	P
			02	Djorgovski, S	A	A	P
			03	Fuller, J	A	A	P
			04	Hallinan, G	A	A	P
			05	Harrison, F	A	A	P
			06	Hillenbrand, L	A	A	P
			07	Hopkins, P	A	A	P
			08	Howard, A	A	A	P
			09	Kasliwal, M	A	A	P
			11	Knutson, H	A	A	P
			12	Kulkarni, S	A	A	P

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ASTROPHYSICS							
Ay 142	+	Research in Astronomy and Astrophysics	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
			25	Golwala, S	A	A	P
			26	El-Badry, K	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	El-Badry, K	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			

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
ASTROPHYSICS							
Ay 143	+	Reading and Independent Study	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	Batygin, K	A	A	P
			02	Blake, G	A	A	P
			03	Bock, J	A	A	P
			04	Brown, M	A	A	P
			05	Ehlmann, B	A	A	P
			06	Djorgovski, S	A	A	P
			07	Dore, O	A	A	P
			08	Fuller, J	A	A	P
			09	Golwala, S	A	A	P
			10	Hallinan, G	A	A	P
			11	Harrison, F	A	A	P
			12	Hillenbrand, L	A	A	P
			13	Hopkins, P	A	A	P
			14	Howard, A	A	A	P
			15	Kasliwal, M	A	A	P
			17	Knutson, H	A	A	P
			18	Kulkarni, S	A	A	P
			19	Martin, C	A	A	P
			20	Mawet, D	A	A	P
			21	Phinney, E	A	A	P
			22	Prince, T	A	A	P
			23	Ravi, V	A	A	P
			24	Readhead, A	A	A	P
			26	Sargent, A	A	A	P
			27	Scoville, N	A	A	P
			28	Soifer, B	A	A	P
			29	Steidel, C	A	A	P
			30	Stevenson, D	A	A	P
			31	Zmuidzinas, J	A	A	P
			32	Ehlmann, B	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
Ch/BMB 129	3-0-6	Introduction to Biophotonics	01	Wei, L	M 13:00 - 14:55	151 CRL	
BMB/Ch 178	3-0-6	Macromolecular Function: Kinetics, Energetics, and Mechanisms	01	Shan, S	WF 10:30 - 11:55	101 SCH	
BMB/Ch 202A	1-0-0	Biochemistry Seminar Course	01	Shan, S	R 12:00 - 12:55	320 BRN	P
Bi/BMB 251A	1-0-0	Current Research in Biology and Biological Engineering	01	Hay, B	W 12:00 - 12:55	125 KRK	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	Zernicka-Goetz, M	A	A	P
			10	Goddard, W	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			13	Baltimore, D	A	A	P
			14	Davis, M	A	A	P
			15	Mayo, S	A	A	P
			16	Parker, C	A	A	P
			17	Hay, B	A	A	P
			18	Leadbetter, J	A	A	P
			19	Chan, D	A	A	P
			20	Cai, L	A	A	P
			21	Newman, D	A	A	P
			22	Kennedy, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Chan, D	A	A	P
			25	Lester, H	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	26	Sternberg, P	A	A	P
			27	Meyerowitz, E	A	A	P
			28	Shan, S	A	A	P
			29	Wold, B	A	A	P
			30	Dunphy, W	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
			57	Guttman, M	A	A	P
			58	Zinn, K	A	A	P
			60	Rothmund, P	A	A	P
			61	Voorhees, R	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	62	Winfree, E	A	A	P
			63	Pachter, L	A	A	P
			64	Dunphy, W	A	A	P
			65	Semlow, D	A	A	P
			66	Parker, J	A	A	P
			67	Chong, S	A	A	P
			68	Stathopoulos, A	A	A	P
			69	Wang, K	A	A	P
			70	Nelson, H	A	A	P
			71	Orphan, V	A	A	P
BIOENGINEERING							
BE 001	1-0-0	Frontiers in Bioengineering	01	Bois, J	F 12:00 - 12:55	125 KRK	P
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	01	Arnold, F	A	A	P
			02	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
			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			

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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>	23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			26	Leadbetter, J	A	A	P
			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
			44	Chou, T	A	A	P
			45	Bronner Hansen, M	A	A	P
			46	Winfree, E	A	A	P
47	Mazmanian, S	A	A	P			
48	Wold, B	A	A	P			
49	Goentoro, L	A	A	P			
50	Meyerowitz, E	A	A	P			
51	Prober, D	A	A	P			
BE 099A	+	Senior Thesis in Bioengineering	01	Murray, R	A	A	P
			02	Gradinaru, V	A	A	P
			03	Elowitz, M	A	A	P
			04	Shapiro, M	A	A	P
			05	Winfree, E	A	A	P
			06	Wold, B	A	A	P
			07	Goentoro, L	A	A	P

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BIOENGINEERING							
BE 099A	+	Senior Thesis in Bioengineering	08	Pierce, N	A	A	P
			09	Arnold, F	A	A	P
			10	Bjorkman, P	A	A	P
			11	Shimojo, S	A	A	P
BE 099B	+	Senior Thesis in Bioengineering	01	Bjorkman, P	A	A	P
			02	Shimojo, S	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	130 CNRB	
					W 09:00 - 09:55	100 CNRB	
			02	Bois, J	M 09:00 - 11:55	130 CNRB	
					W 09:00 - 09:55	100 CNRB	
BE/ChE 163	3-0-9	Introduction to Biomolecular Engineering	01	Mayo, S / Pierce, N	TR 13:00 - 14:25	100 CNRB	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Murray, R	TR 10:30 - 11:55	B127 KRK	
BE/Bi/CNS/NB 197	+	Mentoring and Outreach	01	Bjorkman, P	A	A	P
			02	Meister, M	A	A	P
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	Daraio, C	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
			15	Troian, S	A	A	P
			16	Roukes, M	A	A	P

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	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	Winfree, E	A	A	P
			28	Meister, M	A	A	P
			29	Bjorkman, P	A	A	P
			30	Shimojo, S	A	A	P
			31	Shapiro, M	A	A	P
			32	Sternberg, P	A	A	P
			33	Rothemund, P	A	A	P
			34	Anderson, D	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

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	50	Chan, D	A	A	P
			51	Fischer, W	A	A	P
			52	Meyerowitz, E	A	A	P
			53	Fejes Toth, K	A	A	P
			54	Rothenberg, E	A	A	P
			55	Daraio, C	A	A	P
			56	Demirer, G	A	A	P
			57	Emami, A	A	A	P
			58	Wold, B	A	A	P
			59	Chung, S	A	A	P
60	Chong, S	A	A	P			
BE 267	1-0-0	Research Topics in Bioengineering <i>Required for first year grad students in BE //</i> <i>Roll will be taken at each meeting</i>	01	Cai, L	R 15:00 - 15:55	130 CNRB	P
BIOLOGY							
Bi 001E	3-0-6	Evolution of the Biosphere <i>open by application only, apply by May 21 at</i> <i>9am at http://registrar.caltech.edu/Bi1_FA2024 //</i> <i>max enrollment: 24 students</i>	01	Parker, J	TR 13:00 - 14:25	101 KRK	
Bi 001X	0-6-3	The Great Ideas of Biology: Exploration through Experimentation <i>open by application only, apply by May 21 at</i> <i>9am at http://registrar.caltech.edu/Bi1_FA2024</i>	01	Bois, J	TR 13:00 - 15:55	B126 KRK	G
Bi 002	1-0-0	Current Research in Biology <i>open to incoming first-year students only</i>	01	Elowitz, M	T 12:00 - 12:55	125 KRK	P
Bi 021	+	Undergraduate Research with Presentation <i>minimum 12 units per term</i>	01	Dunphy, W	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

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BIOLOGY							
Bi 022	+	Undergraduate Research	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
			10	Sternberg, P	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
			20	Andersen, R	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
			45	Clemons, W	A	A	P
			46	Baltimore, D	A	A	P
			47	Tirrell, D	A	A	P
			48	Anderson, D	A	A	P
			52	Prober, D	A	A	P
			53	Newman, D	A	A	P
			54	Gradinaru, V	A	A	P
			55	Guttman, M	A	A	P
			56	Meister, M	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	57	Goentoro, L	A	A	P
			58	Stevenson, D	A	A	P
			61	Shan, S	A	A	P
			62	Cai, L	A	A	P
			63	Pachter, L	A	A	P
			64	Wei, L	A	A	P
			66	Wang, K	A	A	P
			67	Parker, J	A	A	P
			68	Chou, T	A	A	P
			69	Dunphy, W	A	A	P
			70	Zernicka-Goetz, M	A	A	P
71	Siapas, A	A	A	P			
Bi 090A	+	Undergraduate Thesis	01	Kennedy, M / Lester, H	A	A	P
			03	Kennedy, M / Sternberg, P	A	A	P
			04	Kennedy, M / Davis, M	A	A	P
			05	Kennedy, M / Newman, D	A	A	P
			06	Kennedy, M / Baltimore, D	A	A	P
			07	Kennedy, M / Fejes Toth, K	A	A	P
			08	Kennedy, M / Anderson, D	A	A	P
			09	Kennedy, M / Hong, E	A	A	P
			10	Kennedy, M / Gradinaru, V	A	A	P
			11	Kennedy, M / Rothenberg, E	A	A	P
			12	Kennedy, M / Doyle, J	A	A	P
			13	Kennedy, M / Wold, B	A	A	P
			14	Kennedy, M / Mazmanian, S	A	A	P
			15	Kennedy, M / Siapas, A	A	A	P
			16	Kennedy, M / Hsieh-Wilson, L	A	A	P

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BIOLOGY							
Bi 090A	+	Undergraduate Thesis	17	Kennedy, M / Guttman, M	A	A	P
			18	Kennedy, M / Clemons, W	A	A	P
			19	Kennedy, M / Zernicka-Goetz, M	A	A	P
Bi 090B	+	Undergraduate Thesis	01	Kennedy, M / Bronner Hansen, M	A	A	P
			02	Kennedy, M / Hong, E	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	130 CNRB 100 CNRB	
			02	Bois, J	M 09:00 - 11:55 W 09:00 - 09:55	130 CNRB 100 CNRB	
Ch/Bi 110A	4-0-8	Introduction to Biochemistry	01	Virgil, S	MWF 11:00 - 11:55 W 15:00 - 15:55	147 NYS 147 NYS	G
Ch/Bi 111	4-0-8	Biochemistry of Gene Expression	01	Semlow, D / Parker, C	TR 11:00 - 11:55 W 14:00 - 15:55	320 BRN 320 BRN	
Bi 122	3-0-6	Genetics <i>no time conflicts are permitted</i>	01	Hay, B	TR 13:00 - 14:25	125 KRK	G
Bi 145A	3-0-6	Tissue and Organ Physiology	01	Tydell, C	MW 19:00 - 20:25	340A CNRB	
NB/Bi/CNS 152	2-0-4	Neural Circuits and Physiology of Homeostatic Regulation <i>class cancelled, postponed to winter term</i>	01	Staff	A	A	
NB/Bi/CNS 162	2-4-6	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 15 students</i>	01	Oka, Y / Wagenaar, D	M 13:00 - 16:25	B160 CHR	
NB/Bi/CNS 164	3-0-6	Tools of Neurobiology	01	Meister, M / Rutishauser, U	TR 13:00 - 14:25	B101 BBB	
ESE/Bi 166	3-1-5	Microbial Physiology	01	Leadbetter, J	MWF 09:00 - 09:55	155 ARM	

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BIOLOGY							
Bi 180	2-2-5	Plant and Soil Science <i>maximum enrollment: 20 students per section</i>	01	Meyerowitz, E	MW 14:00 - 14:55	100 - Rock Auditorium BRD 101 KRK 347 KRK	
					F 14:00 - 14:25		
					F 14:30 - 15:25		
			02	Meyerowitz, E	MW 14:00 - 14:55		
					F 15:30 - 15:55	100 - Rock Auditorium BRD 101 KRK	
					F 16:00 - 16:55	347 KRK	
Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Thomson, M	TR 10:30 - 11:55	130 CNRB	
BE/Bi/CNS/NB 197	+	Mentoring and Outreach	01	Bjorkman, P	A	A	P
			02	Meister, M	A	A	P
NB/Bi/CNS 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	WF 14:00 - 15:55	A	G
Ge/ESE/Bi 248	2-0-4	Environmental Justice <i>taught concurrently with VC 61, maximum enrollment: 18 students</i>	01	Orphan, V / Mushkin, H	T 13:00 - 14:55	151 ARM	
Ge/Bi/ESE/CE 249	3-3-3	Stable Isotopes: Ecological and Environmental Applications	01	Tejada Lara, J	TR 10:30 - 11:55	215 NMD	
Bi 250A	3-0-6	Topics in Molecular and Cellular Biology	01	Voorhees, R	TR 10:00 - 11:25	200 BRD	G
Bi/BMB 251A	1-0-0	Current Research in Biology and Biological Engineering	01	Hay, B	W 12:00 - 12:55	125 KRK	P
Bi 252	2-0-2	Responsible Conduct of Research	01	Sternberg, P / Meyerowitz, E	R 14:00 - 15:55	100 CNRB	P
Bi 299	+	Graduate Research	01	Kirschvink, J	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

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BIOLOGY							
Bi 299	+	Graduate Research	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
			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
			43	Siapas, A	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	44	Andersen, R	A	A	P
			45	Dickinson, M	A	A	P
			46	Leadbetter, J	A	A	P
			47	Winfree, E	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
			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
			77	de Kleer, K	A	A	P
			79	Chong, S	A	A	P
			80	Pachter, L	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	81	Demirer, G	A	A	P
			82	Glover, D	A	A	P
			83	McFall-Ngai, M	A	A	P
			84	Karthikeyan, S	A	A	P
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	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	G
BEM105	3-0-6	Options	01	Cvitanic, J	TR 14:30 - 15:55	A	
BEM109	3-0-6	Understanding China through Finance <i>Designated as Writing Intensive Course // maximum enrollment: 40 students</i>	01	Sinclair, A	TR 13:00 - 14:25	A	G
CHEMICAL ENGINEERING							
ChE010	1-0-0	Introduction to Chemical Engineering	01	Dingilian, K	T 12:00 - 12:55	147 NYS	P
ChE063A	3-0-6	Chemical Engineering Thermodynamics <i>sophomore standing required</i>	01	Flagan, R	MWF 14:00 - 14:55	102 SPL	
ChE070	1.5-0-1.5	Special Topics in Chemical Engineering: Confectionery Manufacturing: Sci & Tech Behind Candy & Chocolate Manufacturing <i>Units (2-2-5) The course is open to juniors and seniors who study ChE or Ch and who completed Ch 41abc (or equivalent). A lottery may be necessary. // max enroll: 12</i>	01	Staff	W 14:00 - 15:55 W 19:00 - 20:55	102 SPL 102 SPL	

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CHEMICAL ENGINEERING							
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
			07	Brady, J	A	A	P
			08	Agapie, T	A	A	P
			09	Greer, J	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	+	Undergraduate 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
			12	Wang, Z	A	A	P
			13	Callies, J	A	A	P
			14	Doyle, J	A	A	P
			15	Greer, J	A	A	P
			16	Clemons, W	A	A	P
			17	See, K	A	A	P

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CHEMICAL ENGINEERING							
ChE090A	+	Undergraduate Thesis	18	Hoelz, A	A	A	P
			19	Shapiro, M	A	A	P
ChE090B	0-4-5	Undergraduate Thesis	01	Shapiro, M	A	A	G
ChE090C	+	Undergraduate Thesis	01	Tirrell, D	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	101 SCH	G
ChE103A	3-0-6	Transport Phenomena	01	Kornfield, J	MWF 10:00 - 10:55	106 SPL	
ChE126	1-6-2	Chemical Engineering Laboratory <i>Maximum Enrollment: 12 students per section // If unable to register, please contact instructor.</i>	01	Vicic, M	A	A	
			02	Vicic, M	MF 13:00 - 15:55	122 SPL	
			03	Vicic, M	MF 12:00 - 12:55	122 SPL	
					MF 14:00 - 15:55	122 SPL	
ChE152	3-0-6	Heterogeneous Kinetics and Reaction Engineering	01	Giapis, K	TR 09:00 - 10:25	106 SPL	
BE/ChE 163	3-0-9	Introduction to Biomolecular Engineering	01	Mayo, S / Pierce, N	TR 13:00 - 14:25	100 CNRB	
ChE/Ch 165	3-0-6	Chemical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	
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
			10	Davis, M	A	A	P
			11	Fultz, B	A	A	P

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	12	Bercaw, J	A	A	P
			13	Flagan, R	A	A	P
			14	Shapiro, M	A	A	P
			15	Dougherty, D	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	See, K	A	A	P
			19	Hoffmann, M	A	A	P
			20	Chan, G	A	A	P
			21	Kornfield, J	A	A	P
			22	Troian, S	A	A	P
			23	Lewis, N	A	A	P
			24	Robb, M	A	A	P
			25	Wei, L	A	A	P
			26	Pachter, L	A	A	P
			27	Wang, K	A	A	P
			28	Manthiram, K	A	A	P
			35	Seinfeld, J	A	A	P
			36	Hadt, R	A	A	P
			37	Tirrell, D	A	A	P
			38	Wang, Z	A	A	P
			40	Yung, Y	A	A	P
			44	Greer, J	A	A	P
			46	Mayo, S	A	A	P
			47	Agapie, T	A	A	P
48	Gao, W	A	A	P			
49	Demirer, G	A	A	P			
50	Schneider, T	A	A	P			
51	Peters, J	A	A	P			
52	Wennberg, P	A	A	P			
53	Karthikeyan, S	A	A	P			
54	Minnich, A	A	A	P			
55	Anandkumar, A	A	A	P			

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	56	Faber, K	A	A	P
			57	Voorhees, R	A	A	P
			58	Daraio, C	A	A	P
CHEMISTRY							
Ch 001A	3-0-3	General Chemistry	01	Agapie, T	M 11:00 - 11:55 TR 11:00 - 11:55	151 CRL Lecture Hall BAX	P
			02	Agapie, T	M 11:00 - 11:55 TR 11:00 - 11:55	121 BCK Lecture Hall BAX	P
			03	Agapie, T	M 11:00 - 11:55 TR 11:00 - 11:55	B122 GCL Lecture Hall BAX	P
			04	Agapie, T	M 11:00 - 11:55 TR 11:00 - 11:55	102 SPL Lecture Hall BAX	P
			05	Agapie, T	M 11:00 - 11:55 TR 11:00 - 11:55	106 SPL Lecture Hall BAX	P
			06	Agapie, T	M 11:00 - 11:55 TR 11:00 - 11:55	210 RSC Lecture Hall BAX	P
			07	Agapie, T	M 11:00 - 11:55 TR 11:00 - 11:55	275 RSC Lecture Hall BAX	P
			08	Agapie, T	M 11:00 - 11:55 TR 11:00 - 11:55	252 RSC Lecture Hall BAX	P
			09	Agapie, T	M 13:00 - 13:55 TR 11:00 - 11:55	210 RSC Lecture Hall BAX	P
			10	Agapie, T	M 13:00 - 13:55 TR 11:00 - 11:55	275 RSC Lecture Hall BAX	P
Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>Sec 3 closed to continuing students until term start / Max: 16 per sec // students must take Ch 3 in their first six terms of residence in order to be graded pass/fail</i>	01	Mendez, J / Dingilian, K	F 13:00 - 13:55 T 08:00 - 10:55 OM,M 13:00 - 13:55	B122 GCL 220 RSC B122 GCL	P
			02	Mendez, J / Dingilian, K	F 13:00 - 13:55 T 13:00 - 15:55 OM,M 13:00 - 13:55	B122 GCL 220 RSC B122 GCL	P
			03	Mendez, J / Dingilian, K	F 13:00 - 13:55 T 19:00 - 21:55	B122 GCL 220 RSC	P

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CHEMISTRY							
Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>Sec 3 closed to continuing students until term start / Max: 16 per sec // students must take Ch 3 in their first six terms of residence in order to be graded pass/fail</i>	03	Mendez, J / Dingilian, K	OM,M 13:00 - 13:55	B122 GCL	P
			04	Mendez, J / Dingilian, K	F 13:00 - 13:55	B122 GCL	P
					W 13:00 - 15:55	220 RSC	
			05	Mendez, J / Dingilian, K	OM,M 13:00 - 13:55	B122 GCL	
					F 13:00 - 13:55	B122 GCL	P
				R 08:00 - 10:55	220 RSC		
				OM,M 13:00 - 13:55	B122 GCL		
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Max enroll: 12 students per sec // students must take Ch 3 in their first six terms of residence in order to be graded pass/fail</i>	01	Mendez, J	F 09:00 - 09:55	B122 GCL	P
					T 08:00 - 10:55	252 RSC	
					OM,M 09:00 - 09:55	B122 GCL	
			02	Mendez, J	F 09:00 - 09:55	B122 GCL	P
					T 13:00 - 15:55	252 RSC	
					OM,M 09:00 - 21:55	B122 GCL	
			03	Mendez, J	F 09:00 - 09:55	B122 GCL	P
					T 19:00 - 21:55	252 RSC	
					OM,M 09:00 - 09:55	B122 GCL	
			04	Mendez, J	F 09:00 - 09:55	B122 GCL	P
		W 13:00 - 15:55	252 RSC				
		OM,M 09:00 - 09:55	B122 GCL				
				F 09:00 - 09:55	B122 GCL	P	
				R 08:00 - 10:55	252 RSC		
				OM,M 09:00 - 09:55	B122 GCL		
Ch 008	1-6-2	Procedures of Synthetic Chemistry for Premedical Students <i>maximum enrollment: 14 students / open to undergraduates only</i>	01	Mendez, J	F 10:00 - 10:55	B122 GCL	
					TR 08:00 - 10:55	222 RSC	
					OM,A	A	
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	147 NYS	P
					A	A	
Ch 021A	3-0-6	Physical Chemistry	01	Chan, G	MWF 13:00 - 13:55	147 NYS	

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CHEMISTRY							
Ch 041A	4-0-5	Organic Chemistry <i>maximum enrollment: 20 students per section</i>	01	Dougherty, D	MWF 09:00 - 09:55	153 NYS	
					W 15:00 - 15:55	151 CRL	
			02	Dougherty, D	MWF 09:00 - 09:55	153 NYS	
					W 20:00 - 20:55	151 CRL	
			03	Dougherty, D	MWF 09:00 - 09:55	153 NYS	
					R 15:00 - 15:55	151 CRL	
			04	Dougherty, D	MWF 09:00 - 09:55	153 NYS	
					R 20:00 - 20:55	151 CRL	
Ch 080	+	Chemical Research	01	Dougherty, D	A	A	P
			02	Hoffmann, M	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	Robb, M	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
			20	Rees, D	A	A	P
			21	Wei, L	A	A	P
			22	Shan, S	A	A	P
			24	Lewis, N	A	A	P
			25	Arnold, F	A	A	P
			26	Cushing, S	A	A	P
			27	See, K	A	A	P

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CHEMISTRY							
Ch 080	+	Chemical Research	28	Chandrasekaran, V	A	A	P
Ch 081	+	Independent Reading in Chemistry	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	Fu, G / Okumura, M	A	A	P
			02	Hoelz, A / Okumura, M	A	A	P
			03	Peters, J / Okumura, M	A	A	P
			04	Tirrell, D / Okumura, M	A	A	P
			05	Stoltz, B / Okumura, M	A	A	P
			06	Agapie, T / Okumura, M	A	A	P
			07	Gray, H / Okumura, M	A	A	P
			08	Asimow, P / Okumura, M	A	A	P
			09	Dougherty, D / Okumura, M	A	A	P
			10	Hsieh-Wilson, L / Okumura, M	A	A	P
			11	Wei, L / Okumura, M	A	A	P
			12	Arnold, F / Okumura, M	A	A	P
			13	Chan, G / Okumura, M	A	A	P
			14	Hadt, R / Okumura, M	A	A	P
			15	Okumura, M / Reisman, S	A	A	P
			16	Okumura, M / Clemons, W	A	A	P
			17	Goddard, W / Okumura, M	A	A	P
			18	Robb, M / Okumura, M	A	A	P
			19	Oka, Y / Okumura, M	A	A	P
			20	Newman, D / Okumura, M	A	A	P
			21	Fu, G	A	A	P

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CHEMISTRY							
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	101 SCH	G
Ch/Bi 110A	4-0-8	Introduction to Biochemistry	01	Virgil, S	MWF 11:00 - 11:55 W 15:00 - 15:55	147 NYS 147 NYS	G
Ch/Bi 111	4-0-8	Biochemistry of Gene Expression	01	Semlow, D / Parker, C	TR 11:00 - 11:55 W 14:00 - 15:55	320 BRN 320 BRN	
Ch 112	3-0-6	Intermediate Inorganic Chemistry	01	Agapie, T	TR 13:00 - 14:25	210 RSC	
Ch 121B	1-1-7	Atomic-Level Simulations of Materials and Molecules	01	Goddard, W	W 14:00 - 14:55	115 BCK	
Ch 122	3-0-6	Structure Determination by X-ray Crystallography	01	Takase, M	MWF 09:00 - 09:55	115 BCK	G
Ch 125A	3-0-6	The Elements of Quantum Chemistry	01	Cushing, S	TR 13:00 - 14:25	147 NYS	G
Ch/BMB 129	3-0-6	Introduction to Biophotonics	01	Wei, L	M 13:00 - 14:55	151 CRL	
Ch 149	2-0-4	Tutorial in Organic Chemistry <i>Prerequisite: Ch 41abc & instructor's permission</i>	01 02 03	Fu, G Stoltz, B Staff	MWF 14:00 - 15:55 MWF 14:00 - 15:55 MWF 14:00 - 15:55	153 NYS 318 SCH A	P P P
ChE/Ch 165	3-0-6	Chemical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	
BMB/Ch 178	3-0-6	Macromolecular Function: Kinetics, Energetics, and Mechanisms	01	Shan, S	WF 10:30 - 11:55	101 SCH	
Ch 180	+	Chemical Research	01 02 03 21 22 38	Agapie, T Goddard, W Eiler, J Gray, H Lewis, N Weitekamp, D	A A A A A A	A A A A A A	P P P P P P

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CHEMISTRY							
BMB/Ch 202A	1-0-0	Biochemistry Seminar Course	01	Shan, S	R 12:00 - 12:55	320 BRN	P
Ch 213A	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	
Ch 242A	4-0-5	Chemical Synthesis <i>Lecture MWF 10-11am -- Recitation T 7-9pm -- Tutorial R 7-9pm</i>	01	Stoltz, B	MWF 10:00 - 10:55 TR 19:00 - 20:55	153 NYS 147 NYS	
Ch 279	+	Rotations in Chemistry	01	Agapie, T	A	A	P
			02	Arnold, F	A	A	P
			03	Atwater, H	A	A	P
			04	Barton, J	A	A	P
			05	Beauchamp, J	A	A	P
			06	Bjorkman, P	A	A	P
			07	Blake, G	A	A	P
			08	Blanquart, G	A	A	P
			09	Campbell, J	A	A	P
			10	Chan, G	A	A	P
			11	Clemons, W	A	A	P
			12	Davis, M	A	A	P
			13	Dervan, P	A	A	P
			14	Dougherty, D	A	A	P
			15	Elowitz, M	A	A	P
			16	Fu, G	A	A	P
			17	Goddard, W	A	A	P
			18	Gray, H	A	A	P
			19	Greer, J	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
			27	Kornfield, J	A	A	P
			28	Lester, H	A	A	P

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CHEMISTRY							
Ch 279	+	Rotations in Chemistry	29	Lewis, N	A	A	P
			30	Mayo, S	A	A	P
			32	Newman, D	A	A	P
			33	Okumura, M	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			
54	Manthiram, K	A	A	P			
55	Nelson, H	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	Chou, T	A	A	P
			08	Blake, G	A	A	P
			09	Wang, Z	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	10	Newman, D	A	A	P
			11	Shimojo, S	A	A	P
			12	Eiler, J	A	A	P
			13	Davis, M	A	A	P
			14	Dervan, P	A	A	P
			15	Dougherty, D	A	A	P
			16	Reisman, S	A	A	P
			17	Blanquart, G	A	A	P
			18	Demirer, G	A	A	P
			19	Clemons, W	A	A	P
			20	Goddard, W	A	A	P
			21	Gray, H	A	A	P
			23	Semlow, D	A	A	P
			24	Stoltz, B	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	Anandkumar, A	A	A	P
			33	Okumura, M	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
			42	Seinfeld, J	A	A	P
			43	Stoltz, B	A	A	P
			44	Tirrell, D	A	A	P
			45	Cushing, S	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	46	Weitekamp, D	A	A	P
			47	Wennberg, P	A	A	P
			48	Cai, L	A	A	P
			49	Shan, S	A	A	P
			50	Agapie, T	A	A	P
			51	Sternberg, P	A	A	P
			52	Tirrell, D	A	A	P
			53	Fu, G	A	A	P
			54	Deshaies, R	A	A	P
			55	Campbell, J	A	A	P
			57	Pierce, N	A	A	P
			58	Shapiro, M	A	A	P
			59	Chan, G	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
			71	Bernardi, M	A	A	P
			72	Pachter, L	A	A	P
			73	Nelson, H	A	A	P
			74	Manthiram, K	A	A	P
			75	Chong, S	A	A	P
			76	Hsieh-Wilson, L	A	A	P
			77	McFall-Ngai, M	A	A	P
			78	Wang, K	A	A	P
			79	Brown, M	A	A	P
CIVIL ENGINEERING							

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CIVIL ENGINEERING							
CE 100	+	Special Topics in Civil Engineering	01	Staff	A	A	
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Bae, H	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
CE/Ae/AM 108A	3-5-1	Computational Mechanics	01	Ramarathinam, N	OM,M 11:00 - 11:55	232 GUG	
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
Ae/CE 165A	2-2-5	Mechanics of Composite Materials and Structures	01	Pellegrino, S	OM,M 16:00 - 16:55	384 FIR	
CE 200	+	Advanced Work in Civil Engineering	01	Pellegrino, S	A	A	P
Ge/Bi/ESE/CE 249	3-3-3	Stable Isotopes: Ecological and Environmental Applications	01	Tejada Lara, J	TR 10:30 - 11:55	215 NMD	
CE 300	+	Research in Civil Engineering	01	Daraio, C	A	A	P
			04	Andrade, J	A	A	P
			05	Lapusta, N	A	A	P
			06	Asimaki, D	A	A	P
			07	Pellegrino, S	A	A	P
			08	Fu, X	A	A	P
COMPUTATION & NEURAL SYS							
CNS100	1-0-0	Introduction to Computation and Neural Systems	01	Siapas, A	R 16:00 - 16:55	100 CNRB	P
Psy/CNS 105A	1.5-0-3.5	Frontiers in Neuroeconomics	01	O'Doherty, J	T 14:30 - 15:55	A	

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COMPUTATION & NEURAL SYS							
NB/Bi/CNS 152	2-0-4	Neural Circuits and Physiology of Homeostatic Regulation <i>class cancelled, postponed to winter term</i>	01	Staff	A	A	
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,M 16:00 - 16:55 TR 14:30 - 15:55	Lecture Hall BAX 134 (Auditorium) BCK	
NB/Bi/CNS 162	2-4-6	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 15 students</i>	01	Oka, Y / Wagenaar, D	M 13:00 - 16:25	B160 CHR	
NB/Bi/CNS 164	3-0-6	Tools of Neurobiology	01	Meister, M / Rutishauser, U	TR 13:00 - 14:25	B101 BBB	
CS/CNS 171	3-6-3	Computer Graphics Laboratory	01	Barr, A	MWF 15:00 - 15:55	105 ANB	
CNS180	+	Research in Computation and Neural Systems	01	Abu-Mostafa, Y	A	A	P
			02	Anderson, D	A	A	P
			03	O'Doherty, J	A	A	P
			04	Andersen, R	A	A	P
			05	Shimojo, S	A	A	P
			06	Quartz, S	A	A	P
			07	Oka, Y	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
			20	Burdick, J	A	A	P
			21	Winfree, E	A	A	P

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COMPUTATION & NEURAL SYS							
CNS180	+	Research in Computation and Neural Systems	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
			35	Wang, L	A	A	P
			36	Stuart, A	A	A	P
			37	Lois, C	A	A	P
			38	Mobbs, D	A	A	P
			39	Shapiro, M	A	A	P
			40	Van Valen, D	A	A	P
			41	Mazmanian, S	A	A	P
			42	Umans, C	A	A	P
Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Thomson, M	TR 10:30 - 11:55	130 CNRB	
BE/Bi/CNS/NB 197	+	Mentoring and Outreach	01	Bjorkman, P	A	A	P
			02	Meister, M	A	A	P
NB/Bi/CNS 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	WF 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

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COMPUTATION & NEURAL SYS										
CNS280	+	Research in Computation and Neural Systems	07	Bruck, J	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	Winfrey, 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			
			28	Goddard, W	A	A	P			
			29	Rangel, A	A	A	P			
			30	Mobbs, D	A	A	P			
			31	Thomson, M	A	A	P			
			32	Hong, E	A	A	P			
			33	Hong, E	A	A	P			
			34	Van Valen, D	A	A	P			
			35	Rutishauser, U	A	A	P			
			36	Parker, J	A	A	P			
			37	Ames, A	A	A	P			
			38	Yue, Y	A	A	P			
			39	Lois, C	A	A	P			
			COMPUTER SCIENCE							
			CS 001	3-4-2	Introduction to Computer Programming <i>maximum enrollment: 20 students per section</i>	01	Blank, A / Vanier, M	MWF 14:00 - 14:55 F 13:00 - 13:55	134 (Auditorium) BCK 106 ANB	P

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COMPUTER SCIENCE							
CS 001	3-4-2	Introduction to Computer Programming <i>maximum enrollment: 20 students per section</i>	02	Blank, A / Vanier, M	MWF 14:00 - 14:55	134 (Auditorium) BCK	P
					F 12:00 - 12:55	106 ANB	
			03	Blank, A / Vanier, M	MWF 14:00 - 14:55	134 (Auditorium) BCK	P
					F 15:00 - 15:55	106 ANB	
			04	Blank, A / Vanier, M	MWF 14:00 - 14:55	134 (Auditorium) BCK	P
					F 16:00 - 16:55	106 ANB	
			05	Blank, A / Vanier, M	MWF 14:00 - 14:55	134 (Auditorium) BCK	P
					F 17:00 - 17:55	106 ANB	
CS 001X	2-2-2	Intermediate Computer Programming <i>Enrollment by instructor permission only. Students must be placed into this course via the CS placement test.</i>	01	Vanier, M	W 15:00 - 15:55	104 ANB	P
Ma/CS 006A	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 106a</i>	01	Yu, T	MWF 13:00 - 13:55 R 13:00 - 13:55	310 LINDE 187 LINDE	
CS 011	0-3-0	Computer Language Lab <i>CS 1 or instructor's permission is required. / Sec 1: C track, Sec 12: cancelled // See http://courses.cms.caltech.edu/cs11/ for course info</i>	01	Hovik, M	OM,M 21:00 - 21:55	104 ANB	P
			12	Vanier, M	A	A	P
CS 012	+	Student-Taught Topics in Computing <i>Sec 2: Technical Interviewing // See http://courses.cms.caltech.edu/cs12/ for more course info</i>	02	Blank, A	OM,T 19:00 - 19:55	104 ANB	P

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COMPUTER SCIENCE							
CS 013	3-0-6	Mathematical Foundations of Computer Science <i>class cancelled</i>	01	Blank, A	MWF 13:00 - 13:55	105 ANB	G
CS 019A	1-0-1	Introduction to Computer Science in Industry	01	Ralph, C	M 12:00 - 12:55	105 ANB	P
CS 024	3-3-3	Introduction to Computing Systems	01	Blank, A	MWF 11:00 - 11:55	Institute Auditorium BCK	
CS/EE/ME 075A	+	Multidisciplinary Systems Engineering <i>class closed to further enrollments</i>	01	Chung, S	OM,M 19:00 - 19:55	105 ANB	
CS 080A	+	Undergraduate Thesis	01	Winfree, E	A	A	P
			02	Chandy, K	A	A	P
			04	Schroeder, P	A	A	P
			05	Wierman, A	A	A	P
			06	Barr, A	A	A	P
			07	Katz, N	A	A	P
			08	Low, S	A	A	P
			09	Yue, Y	A	A	P
			10	Perona, P	A	A	P
			11	Bruck, J	A	A	P
			12	Schulman, L	A	A	P
			13	Umans, C	A	A	P
			14	Chung, S	A	A	P
			15	Vidick, T	A	A	P
			16	Anandkumar, A	A	A	P
			17	Adolphs, R	A	A	P
			18	Murray, R	A	A	P
			19	Bouman, K	A	A	P
			20	Burdick, J	A	A	P
			CS 081A	+	Undergraduate Projects in Computer Science <i>enrollment by instructor permission only</i>	01	Abu-Mostafa, Y
02	Barr, A	A				A	P
03	Chandy, K	A				A	P
04	Murray, R	A				A	P

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COMPUTER SCIENCE							
CS 081A	+	Undergraduate Projects in Computer Science <i>enrollment by instructor permission only</i>	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
			18	Mahabal, A	A	A	P
			19	Schroeder, P	A	A	P
			20	Djorgovski, S	A	A	P
			21	George, G	A	A	P
			22	Vidick, T	A	A	P
			23	Ralph, C	A	A	P
			24	Rangel, A	A	A	P
			25	Bunn, J	A	A	P
			26	Alvarez, R	A	A	P
			27	Preskill, J	A	A	P
			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
			38	Bruno, O	A	A	P
			39	Qian, L	A	A	P

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COMPUTER SCIENCE							
CS 081A	+	Undergraduate Projects in Computer Science <i>enrollment by instructor permission only</i>	40	Parker, J	A	A	P
			41	Hovik, M	A	A	P
			42	Shapiro, M	A	A	P
			43	Baptista, R	A	A	P
			44	Alvarez, R	A	A	P
CS 090	+	Undergraduate Reading in Computer Science <i>enrollment by instructor permission only</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	Winfree, 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
			20	Schulman, L	A	A	P
			21	Reisman, S	A	A	P
			22	Baptista, R	A	A	P
CS 102A	+	Seminar in Computer Science	01	Staff	A	A	P
CS 103A	+	Reading in Computer Science	01	Staff	A	A	P

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COMPUTER SCIENCE							
Ma/CS 106A	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 6a</i>	01	Yu, T	MWF 13:00 - 13:55 R 13:00 - 13:55	310 LINDE 187 LINDE	
CS 111	0-3-0	Graduate Programming Practicum: C track <i>For graduate students only // Sec 1: C</i>	01	Hovik, M	OM,M 21:00 - 21:55	104 ANB	P
Ma/CS 117A	3-0-6	Computability Theory	01	Ervin, G	TR 13:00 - 14:25	310 LINDE	
EE/CS 119A	3-3-3	Advanced Digital Systems Design	01	George, G	MW 14:30 - 15:55	B270 MRE	
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G
CS 132	3-0-6	Web Development	01	Hovik, M	TR 10:30 - 11:55	104 ANB	
ME/CS/EE 133A	3-2-4	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	TR 10:30 - 11:55	314 ANB	
CS/EE/IDS 143	3-4-5	Networks: Algorithms & Architecture	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
CS/IDS 150A	3-0-6	Probability and Algorithms	01	Schulman, L	MWF 10:00 - 10:55	314 ANB	
CS 152	3-0-9	Introduction to Cryptography	01	Mahadev, U	MW 13:00 - 14:25	104 ANB	
CS/IDS 153	3-0-6	Current Topics in Theoretical Computer Science <i>Topic: Pseudorandomness</i>	01	Umans, C	TR 13:00 - 14:25	213 ANB	
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,M 16:00 - 16:55 TR 14:30 - 15:55	Lecture Hall BAX 134 (Auditorium) BCK	

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COMPUTER SCIENCE							
CS 163	0-1-8	Projects in Machine Learning <i>maximum enrollment: 30 students</i>	01	Bouman, K	OM,M 10:00 - 10:55	104 ANB	G
CS 164	3-0-6	Compilers <i>maximum enrollment: 32 students</i>	01	Vanier, M	MWF 11:00 - 11:55	104 ANB	G
CS/CNS 171	3-6-3	Computer Graphics Laboratory	01	Barr, A	MWF 15:00 - 15:55	105 ANB	
CS 180	+	Master's Thesis Research	01	Martin, A	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			
Ph/CS 219A	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	201 BRG	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
			06	Chandrasekaran, V	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Murray, R	A	A	P
			10	Perona, P	A	A	P
			11	Schroeder, P	A	A	P
			12	Vidick, T	A	A	P
			13	Cvitanic, J	A	A	P
			14	Umans, C	A	A	P

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COMPUTER SCIENCE							
CS 280	+	Research in Computer Science	16	Kitaev, A	A	A	P
			17	Wierman, A	A	A	P
			18	Doyle, J	A	A	P
			19	Schulman, L	A	A	P
			20	Gkioxari, G	A	A	P
			29	Yue, Y	A	A	P
COMPUTING AND MATHEMATICAL SCIENCES							
CMS009	1-0-0	Introduction to Computer Science Research	01	Low, S	R 12:00 - 12:55	105 ANB	P
CMS/ACM/IDS 107A	3-0-9	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	213 ANB	
CMS/ACM 117	3-0-9	Probability Theory and Computational Mathematics	01	Tropp, J	MW 14:00 - 15:55	213 ANB	
CMS/ACM/EE 122	4-0-8	Mathematical Optimization	01	Chandrasekaran, V	MW 10:00 - 11:55	105 ANB	
CMS290A	1-0-0	Computing and Mathematical Sciences Colloquium	01	Hoffmann, F	M 16:00 - 16:55	105 ANB	P
CMS300	+	Research in Computing and Mathematical Sciences	01	Wierman, A	A	A	P
			02	Vidick, T	A	A	P
			03	Beck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Doyle, J	A	A	P
			06	Murray, R	A	A	P
			07	Owhadi, H	A	A	P
			08	Barr, A	A	A	P
			09	Chandrasekaran, V	A	A	P
			11	Low, S	A	A	P
			12	Perona, P	A	A	P
			13	Schroeder, P	A	A	P
			14	Schulman, L	A	A	P

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COMPUTING AND MATHEMATICAL SCIENCES							
CMS300	+	Research in Computing and Mathematical Sciences	15	Umans, C	A	A	P
			16	Winfree, 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
			25	Bruck, J	A	A	P
			26	Mazumdar, E	A	A	P
			27	Gkioxari, G	A	A	P
28	Mahadev, U	A	A	P			
CONTROL & DYNAMICAL SYSTEMS							
CDS090A	0-0-9	Senior Thesis in Control and Dynamical Systems	01	Murray, R	A	A	G
CDS110	3-3-3	Analysis and Design of Feedback Control Systems	01	Mazumdar, E	TR 10:30 - 11:55	213 ANB	
CDS190	+	Independent Work in Control and Dynamical Systems <i>offered Pass/Fail only</i>	01	Staff	A	A	P
CDS300A	+	Research in Control and Dynamical Systems	01	Dickinson, M	A	A	P
			02	Siapas, A	A	A	P
			03	Doyle, J	A	A	P
			04	Owhadi, H	A	A	P
			07	Beck, J	A	A	P
			08	Murray, R	A	A	P
			10	Burdick, J	A	A	P
			11	Elowitz, M	A	A	P
13	Ortiz, M	A	A	P			

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CONTROL & DYNAMICAL SYSTEMS							
CDS300A	+	Research in Control and Dynamical Systems	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 <i>maximum enrollment: 100 students</i>	01	Jimenez-Martinez, A	TR 13:00 - 14:25	A	
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
Ec 098A	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
Ec/Psy 106	3-0-6	Behavioral Game Theory	01	Camerer, C	TR 10:30 - 11:55	A	
Ec 117	3-0-6	Matching Markets	01	Caradonna, P	TR 09:00 - 10:25	A	G
Ec 121A	3-0-6	Theory of Value	01	Saito, K	MW 14:30 - 15:55	A	G
Ec 122	3-0-6	Econometrics <i>maximum enrollment: 60 students</i>	01	Sherman, R	WF 14:30 - 15:55	A	
IDS/Ec/PS 126	3-0-6	Applied Data Analysis	01	Katz, J	MW 10:30 - 11:55	A	G
Ec 135	3-0-6	Economics of Uncertainty and Information	01	Agranov, M	WF 14:30 - 15:55	A	G
Ec 181A	3-0-6	Convex Analysis and Economic Theory <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	
ELECTRICAL ENGINEERING							

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ELECTRICAL ENGINEERING							
EE/ME 007	2-3-1	Introduction to Mechatronics	01	George, G	MW 13:00 - 13:55	B270 MRE	P
APh/EE 009	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer, A	TR 13:00 - 13:55	B280 MRE	
EE 013	0-3-0	Electronic System Prototyping	01	George, G	OM,T 16:00 - 16:55	B270 MRE	
EE 044	4-0-8	Deterministic Analysis of Systems and Circuits	01	Hajimiri, S	TR 09:00 - 10:55	B270 MRE	G
EE 055	4-0-8	Mathematics of Electrical Engineering	01	Chandrasekaran, V	MWF 13:00 - 14:55	B280 MRE	
CS/EE/ME 075A	+	Multidisciplinary Systems Engineering <i>class closed to further enrollments</i>	01	Chung, S	OM,M 19:00 - 19:55	105 ANB	
EE 080A	+	Senior Thesis <i>Mandatory information session on Fri. 10/4 at 3pm in B270 MRE</i>	01	Hajimiri, S	A	A	P
			03	Doyle, J	A	A	P
			04	Tai, Y	A	A	P
			05	Hassibi, B	A	A	P
			06	George, G	A	A	P
			07	Wang, L	A	A	P
			08	Emami, A	A	A	P
			09	Yang, C	A	A	P
			10	Marandi, A	A	A	P
			11	Van Valen, D	A	A	P
			12	Scherer, A	A	A	P
			13	Yue, Y	A	A	P
			14	Mirhosseini, M	A	A	P
			15	Chandrasekaran, V	A	A	P
			16	Low, S	A	A	P
			17	Perona, P / Chung, S	A	A	P
			18	Hallinan, G	A	A	P
			19	Preskill, J	A	A	P
			20	Yang, C	A	A	P

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ELECTRICAL ENGINEERING							
EE 091A	1-8-0	Experimental Projects in Electronic Circuits	01	Kalantar Ohanian, R	OM,W 19:00 - 19:55	B270 MRE	G
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Tai, Y	A	A	P
			03	Perona, P	A	A	P
			04	George, G	A	A	P
			05	Hajimiri, S	A	A	P
			06	Yang, C	A	A	P
			07	Burdick, J	A	A	P
			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
			14	Gao, W	A	A	P
			15	Kostina, V	A	A	P
			16	Marandi, A	A	A	P
EE 105A	1-0-0	Electrical Engineering Seminar	01	Yang, C	A	A	P
ACM/EE 106A	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	104 ANB	
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Ghaffari, A	OM,W 16:00 - 16:55	104 WAT	
EE 111	3-0-6	Signal-Processing Systems and Transforms <i>max enrollment: 93 students</i>	01	Vaidyanathan, P	TR 13:00 - 14:25	B270 MRE	
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	125 KRK	
ME/EE/EST 117	3-0-6	Energy Technology and Policy <i>formerly ME/EE/EST 109 // Instructor permission required to enroll after first week</i>	01	Blanquart, G	MWF 10:00 - 10:55	135 GTL	G

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ELECTRICAL ENGINEERING							
EE/CS 119A	3-3-3	Advanced Digital Systems Design	01	George, G	MW 14:30 - 15:55	B270 MRE	
EE/APh 120	3-0-6	Physical Optics	01	Mirhosseini, M	MW 10:30 - 11:55	B280 MRE	
CMS/ACM/EE 122	4-0-8	Mathematical Optimization	01	Chandrasekaran, V	MW 10:00 - 11:55	105 ANB	
EE/APh 123	1-3-5	Advanced Lasers and Photonics Laboratory <i>Mandatory information session on Wed. 10/2 at 1:00pm in KCK 142. Attending the session is mandatory for enrollment.</i>	01	Marandi, A	M 11:00 - 11:55 OM,W 13:00 - 13:55	142 KCK 142 KCK	G
EE/MedE 124	3-0-6	Mixed-mode Integrated Circuits	01	Emami, A	TR 10:30 - 11:55	B280 MRE	
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G
APh/EE 130	3-0-6	Electromagnetic Theory for Photonic Devices	01	Faraon, A	TR 13:00 - 14:25	142 KCK	
ME/CS/EE 133A	3-2-4	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	TR 10:30 - 11:55	314 ANB	
CS/EE/IDS 143	3-4-5	Networks: Algorithms & Architecture	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
EE 152	2-3-7	High Frequency Systems Laboratory	01	Russell, D	M 09:00 - 10:25 A	B280 MRE B242 MRE	
CS/CNS/EE 156A	3-1-5	Learning Systems	01	Abu-Mostafa, Y	OM,M 16:00 - 16:55 TR 14:30 - 15:55	Lecture Hall BAX 134 (Auditorium) BCK	
EE/APh 180	3-0-3	Nanotechnology	01	Scherer, A	TR 14:30 - 15:55	B280 MRE	

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ELECTRICAL ENGINEERING							
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Murray, R	TR 10:30 - 11:55	B127 KRK	
EE 291	+	Advanced Work in Electrical Engineering	01	Hoffmann, M	A	A	P
			02	Yang, C	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Meister, M	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Wang, L	A	A	P
			09	Gharib, M	A	A	P
			10	Martin, A	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hallinan, G	A	A	P
			13	Low, S	A	A	P
			14	Yeh, N	A	A	P
			15	Hassibi, B	A	A	P
			16	Murray, R	A	A	P
			17	Perona, P	A	A	P
			18	Vaidyanathan, P	A	A	P
			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, M	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
			32	Weinreb, S	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	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
			39	Cvitanic, J	A	A	P
			40	Faraon, A	A	A	P
			41	Pellegrino, S	A	A	P
			42	Chandrasekaran, V	A	A	P
			43	Minnich, A	A	A	P
			44	Vidick, T	A	A	P
			45	Kostina, V	A	A	P
			46	Yue, Y	A	A	P
			48	Marandi, A	A	A	P
			49	Spiropulu, M	A	A	P
			50	Greer, J	A	A	P
			51	Hsieh, D	A	A	P
53	Tissot, F	A	A	P			
54	Chung, S	A	A	P			
ENERGY SCIENCE AND TECHNOLOGY							
ME/EE/EST 117	3-0-6	Energy Technology and Policy <i>formerly ME/EE/EST 109 // Instructor permission required to enroll after first week</i>	01	Blanquart, G	MWF 10:00 - 10:55	135 GTL	G
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	TR 10:30 - 11:55	314 ANB	
ENGINEERING							
E 002	1-0-0	Frontiers in Engineering and Applied Science <i>open to first-years and sophomores</i>	01	Atwater, H	W 12:00 - 12:55	105 ANB	P
E 100	0-0-0	Special Topics in Engineering & Applied Science <i>Sec 1: Learning How to Learn (1-0-0), max 24 students //Sec 2: Design Your Life After Caltech</i>	01	Dabiri, M / Bryant, J	M 12:00 - 12:55	360 CSS	P
			02	Resnick, A	M 14:00 - 15:25	328 SFL	P

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ENGINEERING							
E/SEC 102	3-0-6	Scientific and Technology Entrepreneurship	01	Low, S / Yanchinski, S / Fromer, N	TR 14:30 - 15:55	104 ANB	
ENGLISH							
Hum/En 028	3-0-6	Telling Time in American Modernism <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Sherazi, M	TR 13:00 - 14:25	121 BCK	
Hum/En 037	3-0-6	Welcome to Dystopia <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start</i>	01	Holland, J	TR 09:00 - 10:25	A	
En 087	3-0-6	Creative Nonfiction <i>max enrollment: 14 students</i>	01	Lepucki, E	W 19:00 - 21:55	A	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
En 099A	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Staff	A	A	G
En 100	3-0-6	Artificial Life: Literary Automata <i>max enrollment: 20 students // class full, see instructor for waitlist</i>	01	Holland, J	TR 10:30 - 11:55	A	G
En 118	3-0-6	Mythology <i>max enrollment: 15 students</i>	01	Haugen, K	TR 14:30 - 15:55	A	
En/VC 172	3-0-6	Heritage and Its Discontents <i>max enrollment: 15 students // class full, see instructor for waitlist</i>	01	Jurca, C	TR 10:30 - 11:55	A	
En 180	3-0-6	Special Topics in English <i>section 01: The Mind of the Modernist Novel // section 02: Literatures of Counter-Revolution in the 17th and 18th Centuries // max</i>	01 02	Staff Staff	TR 13:00 - 14:25 W 19:00 - 21:55	115 BCK A	

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ENGLISH AS A SECOND LANGUAGE							
ESL101A	3-0-0	Oral Communication and Pronunciation	01	Ashleigh, S	MW 17:00 - 18:25	104 WAT	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
FS/ESE/Ge 018	2-0-4	First-Year Seminar: The Unseen Microbial World in Plain Sight <i>open to first-year (undergraduates) only // maximum enrollment: 10 students</i>	01	Leadbetter, J	WF 14:00 - 14:55	212 NMD	P
ESE/Ge 021	2-0-7	Tutorial: Biogeochemistry of Carbon Sequestration	01	Sessions, A	OM,M 11:00 - 23:55	215 NMD	G
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
			04	Yung, Y	A	A	P
			05	Wennberg, P	A	A	P
			06	Karthikeyan, S	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
			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 14:30 - 15:55	162 SMD	
ESE102	3-0-6	Earth's Oceans	01	Thompson, A	MWF 11:00 - 11:55	162 SMD	
ESE104	1-0-0	Current Problems in Environmental Science and Engineering	01	Callies, J	R 12:00 - 12:55	162 SMD	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
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
			21	Karthikeyan, S	A	A	P
ESE110A	1-0-0	Seminar in Environmental Science and Engineering	01	Karthikeyan, S	W 16:00 - 16:55	365 SMD	P
Ge/ESE 125	3-5-4	Geomorphology	01	Lamb, M	MWF 09:30 - 10:25	251 ARM	
					MWF 10:30 - 11:55	311 NMD	
					MWF 13:00 - 13:55	311 NMD	
ESE138	3-0-6	Waves in Geophysical Fluids	01	Callies, J	MWF 10:00 - 10:55	135 LLB	
ESE156	3-0-6	Remote Sensing of the Atmosphere and Biosphere	01	Frankenberg, C	TR 13:00 - 14:25	135 LLB	

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE/Bi 166	3-1-5	Microbial Physiology	01	Leadbetter, J	MWF 09:00 - 09:55	155 ARM	
Ge/ESE/Bi 248	2-0-4	Environmental Justice <i>taught concurrently with VC 61, maximum enrollment: 18 students</i>	01	Orphan, V / Mushkin, H	T 13:00 - 14:55	151 ARM	
Ge/Bi/ESE/CE 249	3-3-3	Stable Isotopes: Ecological and Environmental Applications	01	Tejada Lara, J	TR 10:30 - 11:55	215 NMD	
Ge/ESE 298	+	Mentoring and Outreach <i>meeting date/time TBD</i>	01	Newman, D	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J / Bucholz, C	A	A	P
			05	Thompson, A	A	A	P
ESE300	+	Thesis Research	01	Sessions, A	A	A	P
			02	Ingersoll, A	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
			17	Thompson, A	A	A	P
			18	Flagan, R	A	A	P
			19	Frankenberg, C	A	A	P
			20	Fischer, W	A	A	P
			21	Karthikeyan, S	A	A	P

FIRST-YEAR SEMINARS

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FIRST-YEAR SEMINARS							
FS/Ph 004	2-0-4	Freshman Seminar: Astrophysics and Cosmology with Open Data <i>maximum enrollment: 12 students</i>	01	Weinstein, A	TR 13:00 - 14:25	289 LINDE	P
FS/Ph 009	2-0-4	First-Year Seminar: The Science of Music <i>open to first-year (undergraduates) only //</i> <i>maximum enrollment: 12 students</i>	01	Politzer, H	MF 13:00 - 13:55	387 LINDE	P
FS/Ph 011A	2-0-4	First-Year Seminar: Beyond Physics	01	Phillips, R	A	A	P
FS/Ph 015	2-0-4	First-Year Seminar: Quantum Information Science Today and Tomorrow <i>open to first-year students only // maximum</i> <i>enrollment: 12 students</i>	01	Preskill, J	MW 14:00 - 14:55	469 LAU	P
FS/Ge 016	2-0-4	First-Year Seminar: Earthquakes <i>open to first-year (undergraduates) only</i>	01	Stock, J	W 14:00 - 15:55	215 NMD	P
FS/ESE/Ge 018	2-0-4	First-Year Seminar: The Unseen Microbial World in Plain Sight <i>open to first-year (undergraduates) only //</i> <i>maximum enrollment: 10 students</i>	01	Leadbetter, J	WF 14:00 - 14:55	212 NMD	P
FS/Ge 020	2-0-4	First-Year Seminar: Life in the Universe <i>open to first-year (undergraduates) only //</i> <i>maximum enrollment: 12 students</i>	01	Brown, M	MW 13:00 - 13:55	176 SMD	P
GEOLOGY							
Ge 011A	3-3-3	Introduction to Earth and Planetary Sciences: Earth as a Planet <i>Field Trip Dates: TBA // taught concurrently</i> <i>with Ge 101</i>	01	Bucholz, C	MWF 14:00 - 14:55	251 ARM	
FS/Ge 016	2-0-4	First-Year Seminar: Earthquakes <i>open to first-year (undergraduates) only</i>	01	Stock, J	W 14:00 - 15:55	215 NMD	P
FS/ESE/Ge 018	2-0-4	First-Year Seminar: The Unseen Microbial World in Plain Sight <i>open to first-year (undergraduates) only //</i>	01	Leadbetter, J	WF 14:00 - 14:55	212 NMD	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
GEOLOGY							
FS/Ge 020	2-0-4	First-Year Seminar: Life in the Universe <i>open to first-year (undergraduates) only //</i> <i>maximum enrollment: 12 students</i>	01	Brown, M	MW 13:00 - 13:55	176 SMD	P
ESE/Ge 021	2-0-7	Tutorial: Biogeochemistry of Carbon Sequestration	01	Sessions, A	OM,M 11:00 - 23:55	215 NMD	G
Ge 040	+	Special Problems for Undergraduates	01	Avouac, J	A	A	P
			02	Kirschvink, J	A	A	P
			03	Stock, J	A	A	P
			04	Lamb, M	A	A	P
			05	Adkins, J	A	A	P
			06	Jackson, J	A	A	P
			07	Ingersoll, A	A	A	P
			08	Sessions, A	A	A	P
			09	Stevenson, D	A	A	P
			10	Fischer, W	A	A	P
			12	de Kleer, K	A	A	P
			13	Eiler, J	A	A	P
			14	Asimow, P	A	A	P
			15	Tissot, F	A	A	P
			16	Tejada Lara, J	A	A	P
Ge 041A	+	Undergraduate Research and Bachelor's Thesis	01	Orphan, V	A	A	P
			02	Tissot, F	A	A	P
			03	Asimow, P	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	Rossman, G	A	A	P
			12	Sessions, A	A	A	P
			13	Lamb, M	A	A	P
			14	Adkins, J	A	A	P

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GEOLOGY							
Ge 041A	+	Undergraduate Research and Bachelor's Thesis	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
			19	Yung, Y	A	A	P
			20	Tejada Lara, 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	Bucholz, C	MWF 14:00 - 14:55	251 ARM	
Ge 108	3-0-6	Applications of Physics to the Earth Sciences <i>class cancelled</i>	01	Brown, M	TR 09:00 - 10:25	176 SMD	
Ge 114A	3-0-3	Mineralogy	01	Rossmann, G	MTR 15:00 - 15:55	251 ARM	
Ge 114B	0-3-0	Mineralogy Laboratory	01	Rossmann, G	TR 16:00 - 17:55	251 ARM	
Ge 121A	0-9-3	Advanced Field Geology	01	Avouac, J	OM,M 13:00 - 13:55	215 NMD	
Ge/ESE 125	3-5-4	Geomorphology	01	Lamb, M	MWF 09:30 - 10:25	251 ARM	
					MWF 10:30 - 11:55	311 NMD	
					MWF 13:00 - 13:55	311 NMD	
Ge/Ay 133	3-0-6	The Formation and Evolution of Planetary Systems	01	Batygin, K	MWF 13:00 - 13:55	162 SMD	
Ge 136A	1-0-2	Regional Field Geology of the Southwestern United States	01	Kirschvink, J	OM,M 17:00 - 17:55	251 ARM	P
Ge 141	3-0-6	Isotopes Cosmochemistry	01	Tissot, F	TR 09:00 - 10:25	215 NMD	
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	

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GEOLOGY							
Ge 161	3-0-6	Plate Tectonics	01	Stock, J	TR 13:00 - 14:25	215 NMD	
Ge 166	3-0-6	Machine Learning in Geophysics	01	Ross, Z	TR 14:30 - 15:55	215 NMD	
Ge 192	0-0-0	Special Topics in the Geological Sciences <i>3 units</i>	01	Venditti, J	R 14:00 - 14:55	267 ARM	P
Ge 197	0-0-0	Special Topics in Geobiology <i>6 units (2-0-4)</i>	01	Fischer, W	OM,R 10:00 - 10:55	251 ARM	
Ge 215	3-0-6	Topics in Advanced Petrology	01	Asimow, P	MWF 10:00 - 10:55	267 ARM	
Ge/ESE/Bi 248	2-0-4	Environmental Justice <i>taught concurrently with VC 61, maximum enrollment: 18 students</i>	01	Orphan, V / Mushkin, H	T 13:00 - 14:55	151 ARM	
Ge/Bi/ESE/CE 249	3-3-3	Stable Isotopes: Ecological and Environmental Applications	01	Tejada Lara, J	TR 10:30 - 11:55	215 NMD	
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Wennberg, P	A	A	P
			03	Clayton, R	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Stock, J	A	A	P
			07	Eiler, J	A	A	P
			08	Farley, K	A	A	P
			09	Jackson, J	A	A	P
			10	Bordoni, S	A	A	P
			11	Gurnis, M	A	A	P
			12	Grotzinger, J	A	A	P
			13	Howard, A	A	A	P
			14	Rossmann, G	A	A	P
			15	Schneider, T	A	A	P
			16	Kirschvink, J	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	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
			23	Bucholz, C	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
			40	Wernicke, B	A	A	P
			41	Newman, D	A	A	P
			42	Sessions, A	A	A	P
			45	Knutson, H	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			
52	Thompson, A	A	A	P			
53	Tejada Lara, J	A	A	P			
Ge/ESE 298	+	Mentoring and Outreach <i>meeting date/time TBD</i>	01	Newman, D	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J / Bucholz, C	A	A	P
			05	Thompson, A	A	A	P

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GEOLOGY							
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
			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
			19	Lapusta, N	A	A	P
			20	Rossman, G	A	A	P
			21	Fischer, W	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

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GEOLOGY							
Ge 299	+	Thesis Research	37	Orphan, V	A	A	P
			38	Schneider, T	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
			45	de Kleer, K	A	A	P
			46	Thompson, A	A	A	P
			47	Tejada Lara, J	A	A	P
HISTORY							
Hum/H 001	3-0-6	The Classical and Medieval Worlds <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start</i>	01	Brown, W	TR 14:30 - 15:55	A	
Hum/H 002	3-0-6	Freedom Dreams: African American Visions of Liberation Since Emancipation <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Wiggins, D	W 19:00 - 21:55	A	
Hum/H 013	3-0-6	Brave New Worlds: Race, Human Rights and the Age of Discovery <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	A	
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	Staff	A	A	
H 110	3-0-6	Environment and Empire in the Early Modern Atlantic World	01	Jones, E	TR 10:30 - 11:55	A	G

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HISTORY							
H 110	3-0-6	Environment and Empire in the Early Modern Atlantic World <i>max enrollment: 15 students</i>					
H/HPS 134	3-0-6	Birds, Evolution, Speciation and Society <i>max enrollment: 15 students</i>	01	Lewis, D	T 19:00 - 21:55	A	G
H 152	3-0-6	Where Do We Go From Here? Black America in the Post-Civil Rights Era <i>max enrollment: 18 students</i>	01	Wiggins, D	TR 13:00 - 14:25	A	G
H 161	3-0-6	Selected Topics in History: Laying Down the Law: Legal Culture in the Medieval Mediterranean, c. 530-1230 <i>max enrollment: 25 students</i>	01	Staff	MWF 13:00 - 13:55	A	
HPS/H 169	3-0-6	Selected Topics in the History of Science and Technology: The Occult Origins of Modern Science <i>maximum enrollment: 15 students</i>	01	Gaida, M	TR 10:30 - 11:55	A	
H/HPS/VC 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>max enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	A	
HISTORY AND PHILOSOPHY OF SCIENCE							
HPS090	1-0-0	Public Lecture Series	01	Kormos-Buchwald, D	A	A	P
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
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>max enrollment: 15 students</i>	01	McKenna, T	MW 10:30 - 11:55	A	G

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HISTORY AND PHILOSOPHY OF SCIENCE							
H/HPS 134	3-0-6	Birds, Evolution, Speciation and Society <i>max enrollment: 15 students</i>	01	Lewis, D	T 19:00 - 21:55	A	G
HPS/PI 136	3-0-6	Happiness and the Good Life <i>open by lottery only; see link on the REGIS home page to enter by May 22nd // maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	A	G
HPS/H 169	3-0-6	Selected Topics in the History of Science and Technology: The Occult Origins of Modern Science <i>maximum enrollment: 15 students</i>	01	Gaida, M	TR 10:30 - 11:55	A	
PI/HPS 183	3-0-6	Bioethics <i>max enrollment: 15 students // class full, see instructor for waitlist</i>	01	Gurcan, O	TR 10:30 - 11:55	A	G
H/HPS/VC 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>max enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	A	
HUMANITIES							
Hum/H 001	3-0-6	The Classical and Medieval Worlds <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start</i>	01	Brown, W	TR 14:30 - 15:55	A	
Hum/H 002	3-0-6	Freedom Dreams: African American Visions of Liberation Since Emancipation <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Wiggins, D	W 19:00 - 21:55	A	
Hum/H 013	3-0-6	Brave New Worlds: Race, Human Rights and the Age of Discovery <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	A	

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HUMANITIES							
Hum/En 028	3-0-6	Telling Time in American Modernism <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Sherazi, M	TR 13:00 - 14:25	121 BCK	
Hum/En 037	3-0-6	Welcome to Dystopia <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start</i>	01	Holland, J	TR 09:00 - 10:25	A	
Hum/PI 040	3-0-6	Right and Wrong <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start</i>	01	Quartz, S	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 02	Eberhardt, F Eberhardt, F	TR 13:00 - 14:25 TR 14:30 - 15:55	A A	P P
Hum/VC 048	3-0-6	Ways of Seeing <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Jacobson, B	TR 14:30 - 15:55	A	
Hum/VC 049	3-0-6	Seeing Race <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start</i>	01	Stielau, A	TR 14:30 - 15:55	125 KRK	
Hum/VC 050	3-0-6	Introduction to Film <i>attendance at first class is required // maximum enrollment: 15 students // class closed - see instructor for waitlist</i>	01	Jurca, C	TR 13:00 - 14:25	A	
Hum059	3-0-6	Special Topics in Humanities <i>attendance at first class is required // maximum enrollment: 15 students per sec // class closed to continuing students until term start // Sec 1: Vast Early America (counts as 1st yr hum req under</i>	01 02	Jones, E Staff	TR 13:00 - 14:25 TR 09:00 - 10:25	A A	

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HUMANITIES							
Hum115A	3-0-6	Hispanic Cultures in Film and Literature <i>max enrollment: 8 students // taught concurrently with L 115A</i>	01	Garcia, D	OM,T 19:00 - 19:55	A	
INFORMATION AND DATA SCIENCES							
ACM/IDS 101A	4-4-4	Methods of Applied Mathematics	01	Bruno, O	MW 10:00 - 11:55	213 ANB	
ACM/IDS 104	3-1-5	Applied Linear Algebra <i>Ma 1abc prerequisite enforced</i>	01	Zuev, K	TR 10:30 - 11:55	125 KRK	
CMS/ACM/IDS 107A	3-0-9	Linear Analysis with Applications	01	Stuart, A	TR 09:00 - 10:25	213 ANB	
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	125 KRK	
IDS/Ec/PS 126	3-0-6	Applied Data Analysis	01	Katz, J	MW 10:30 - 11:55	A	G
Ma/ACM/IDS 140A	3-0-6	Probability	01	Tamuz, O	MWF 14:00 - 14:55	289 LINDE	
CS/EE/IDS 143	3-4-5	Networks: Algorithms & Architecture	01	Wierman, A	TR 10:30 - 11:55	105 ANB	
CS/IDS 150A	3-0-6	Probability and Algorithms	01	Schulman, L	MWF 10:00 - 10:55	314 ANB	
CS/IDS 153	3-0-6	Current Topics in Theoretical Computer Science <i>Topic: Pseudorandomness</i>	01	Umans, C	TR 13:00 - 14:25	213 ANB	
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Zuev, K	A	A	P
			02	Hutchcroft, T	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01	Yue, Y	A	A	P
			02	Zuev, K	A	A	P
			04	Chandrasekaran, V	A	A	P
			05	Murray, R	A	A	P
			06	Zuev, K	A	A	P

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INFORMATION AND DATA SCIENCES							
IDS198	+	Undergraduate Projects in Information and Data Sciences	07	Hutchcroft, T	A	A	P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Schulman, L	A	A	P
			02	Hutchcroft, T	A	A	P
LANGUAGES							
L 102A	3-0-6	Elementary French <i>maximum enrollment: 15 students</i>	01	Orcel, C	OM,M 14:00 - 14:55	A	
L 103A	3-0-6	Intermediate French	01	Merrill, T	OM,M 14:00 - 14:55	A	
L 106A	4-0-5	Elementary Japanese <i>maximum enrollment: 20 students per section // class closed, see instructor for waitlist</i>	01	Fujio, M	MTWR 15:00 - 15:55	A	
			02	Fujio, M	MTWR 16:00 - 16:55	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	
L/VC 109	3-0-6	Introduction to 20th-Century French Cinema <i>max enrollment: 15 students</i>	01	Orcel, C	OM,M 15:00 - 15:55	A	G
L 110A	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students in section 1, 15 students in section 2</i>	01	Arjona, G	OM,T 19:00 - 19:55	A	
			02	Garcia, D	MWR 12:00 - 12:55	A	
L 112A	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Arjona, G	OM,T 17:00 - 17:55	A	
L 115A	3-0-6	Hispanic Cultures in Film and Literature <i>max enrollment: 7 students // taught concurrently with Hum115A</i>	01	Garcia, D	OM,T 19:00 - 19:55	A	
L 130A	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	A	

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LANGUAGES							
L 132A	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	A	
L 170A	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students</i>	01	Wang, P	MWR 12:00 - 12:55	A	
L 171A	3-0-6	Accelerated Chinese for Heritage Learners <i>maximum enrollment: 20 students</i>	01	Zhu, J	MW 10:30 - 11:55	A	
L 172A	3-0-6	Intermediate Chinese <i>maximum enrollment: 20 students</i>	01	Zhu, J	MW 09:00 - 10:25	A	
L 173	3-0-6	Advanced Chinese - Contemporary China <i>max enrollment: 20 students</i>	01	Wang, P	OM,W 13:00 - 13:55	A	
MATERIALS SCIENCE							
MS 078A	+	Senior Thesis	01	Johnson, W	A	A	P
			02	Fultz, B	A	A	P
			03	Greer, J	A	A	P
			04	Falson, J	A	A	P
			05	Goddard, W	A	A	P
			06	Gharib, M	A	A	P
			07	Ravichandran, G	A	A	P
			08	Minnich, A	A	A	P
			09	Faber, K	A	A	P
			10	Daraio, C	A	A	P
			11	See, K	A	A	P
			12	Gao, W	A	A	P
			13	Lewis, N	A	A	P
MS 078C	+	Senior Thesis	01	Fultz, B	A	A	P
			02	Gao, W	A	A	P
			03	Lewis, N	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

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MATERIALS SCIENCE							
MS 100	+	Advanced Work in Materials Science	04	Davis, M	A	A	P
			05	Daraio, C	A	A	P
			06	Falson, J	A	A	P
			07	Greer, J	A	A	P
			08	Scherer, A	A	A	P
APh/MS/ME 105A	3-0-6	States of Matter	01	Minnich, A	TR 14:30 - 15:55	104 WAT	
MS 110A	1-0-0	Materials Research Lectures	01	Faber, K	W 16:00 - 16:55	153 NYS	P
MS 115	3-0-6	Fundamentals of Materials Science	01	Roberts, S	MW 13:00 - 14:25	104 WAT	
MS 131	3-0-6	Structure and Bonding in Materials	01	Bernardi, M	TR 13:00 - 14:25	104 WAT	
MS/ME 166	3-0-6	Fracture of Brittle Solids	01	Faber, K	TR 10:30 - 11:55	104 WAT	
MS 200	+	Advanced Work in Materials Science	01	Ahn, C	A	A	P
			02	Atwater, H	A	A	P
			03	Greer, J	A	A	P
			04	Fultz, B	A	A	P
			05	Goddard, W	A	A	P
			06	Yeh, N	A	A	P
			07	Johnson, W	A	A	P
			08	Kornfield, J	A	A	P
			09	Gao, W	A	A	P
			10	Cushing, S	A	A	P
			11	Daraio, C	A	A	P
			13	Ortiz, M	A	A	P
			14	Roukes, M	A	A	P
			15	Lewis, N	A	A	P
			16	Minnich, A	A	A	P
			18	Bhattacharya, K	A	A	P

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MATERIALS SCIENCE							
MS 200	+	Advanced Work in Materials Science	19	Faber, K	A	A	P
			21	Bernardi, M	A	A	P
			22	Blake, G	A	A	P
			23	See, K	A	A	P
			24	Faraon, A	A	A	P
			25	Falson, J	A	A	P
MS 300	+	Thesis Research	01	Atwater, H	A	A	P
			02	Cushing, S	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
			10	Falson, J	A	A	P
			11	Cushing, S	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			
18	Faraon, A	A	A	P			
19	Gao, W	A	A	P			
20	Yeh, N	A	A	P			
MATHEMATICS							
Ma 001A	4-0-5	Calculus of One and Several Variables and Linear Algebra	01	Gherman, M	MTWF 10:00 - 10:55 R 19:30 - 20:55	210 RSC 210 RSC	P
			02	Conlon, D	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 103 DWN	P
			03	Conlon, D	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 107 DWN	P

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MATHEMATICS										
Ma 001A	4-0-5	Calculus of One and Several Variables and Linear Algebra	04	Conlon, D	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 142 KCK	P			
			05	Conlon, D	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 102 STL	P			
			06	Conlon, D	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 269 LAU	P			
			07	Conlon, D	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 153 NYS	P			
			08	Conlon, D	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 151 CRL	P			
			09	Conlon, D	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 269 LAU	P			
			10	Conlon, D	MWF 10:00 - 10:55 R 19:00 - 19:55	Lecture Hall BAX 107 DWN	P			
			Ma 002	4-0-5	Differential Equations <i>taught concurrently with Ma 102 // Practical Track: Sections 1-7 // Analytical Track: Sections 8-10</i>	01	Makarov, N	MWF 10:00 - 10:55 R 09:00 - 09:55	125 KRK 310 LINDE	
						02	Makarov, N	MWF 10:00 - 10:55 R 10:00 - 10:55	125 KRK 310 LINDE	
						03	Makarov, N	MWF 10:00 - 10:55 R 13:00 - 13:55	125 KRK 387 LINDE	
04	Makarov, N	MWF 10:00 - 10:55 R 14:00 - 14:55				125 KRK 103 DWN				
05	Makarov, N	MWF 10:00 - 10:55 R 15:00 - 15:55				125 KRK 103 DWN				
06	Makarov, N	MWF 10:00 - 10:55 R 19:30 - 20:25				125 KRK 187 LINDE				
07	Makarov, N	MWF 10:00 - 10:55 R 20:30 - 21:25				125 KRK 187 LINDE				
08	Hutchcroft, T	MWF 10:00 - 10:55 R 10:00 - 10:55				310 LINDE 387 LINDE				
09	Hutchcroft, T	MWF 10:00 - 10:55 R 13:00 - 13:55				310 LINDE 255 LINDE				
10	Hutchcroft, T	MWF 10:00 - 10:55				310 LINDE				

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MATHEMATICS							
Ma 002	4-0-5	Differential Equations <i>taught concurrently with Ma 102 // Practical Track: Sections 1-7 // Analytical Track: Sections 8-10</i>	10	Hutchcroft, T	R 19:00 - 19:55	103 DWN	
Ma 005A	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105a</i>	01	Mantovan, E	MWF 09:00 - 09:55	387 LINDE	
Ma/CS 006A	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 106a</i>	01	Yu, T	MWF 13:00 - 13:55 R 13:00 - 13:55	310 LINDE 187 LINDE	
Ma 008	3-0-0	Problem Solving in Calculus	01	Graber, T	TR 19:30 - 20:55	310 LINDE	P
Ma 010	2-0-1	Oral Presentation	01	Mantovan, E	T 14:30 - 15:55	387 LINDE	P
Ma 017	2-0-2	How to Solve It	01	Dimitrov, V	T 19:00 - 20:55	Hameetman Aud CHL	P
Ma 020	1-0-0	Frontiers in Mathematics	01	Song, A	T 12:00 - 12:55	310 LINDE	P
Ma 092A	+	Senior Thesis	01 02 04 05 06 07 08 09 10 11	Mantovan, E Marcolli, M Zhu, X Katz, N Yu, T Tamuz, O Song, A Aluffi, P Schuelke, B Graber, T	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
Ma 097	+	Research in Mathematics	01 02 03 04 05	Mantovan, E Conlon, D Szumowicz, A Flach, M Ervin, G	A A A A A	A A A A A	P P P P P

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MATHEMATICS							
Ma 097	+	Research in Mathematics	06	Tamuz, O	A	A	P
			07	Yu, T	A	A	P
			08	Schroeder, P	A	A	P
			09	Gherman, M	A	A	P
			10	Marcolli, M	A	A	P
Ma 098	+	Independent Reading	01	Mantovan, E	A	A	P
			02	Katz, N	A	A	P
			03	Tamuz, O	A	A	P
			04	Flach, M	A	A	P
			05	Szumowicz, A	A	A	P
			06	Tamuz, O	A	A	P
			07	Vigneaux Ariztia, J	A	A	P
			08	Gherman, M	A	A	P
			09	Marcolli, M	A	A	P
Ma 102	4-0-5	Differential Equations <i>taught concurrently with Ma 2 // Practical Track: Sections 1-5 // Analytical Track: Sections 6-8</i>	01	Makarov, N	MWF 10:00 - 10:55 R 09:00 - 09:55	125 KRK 310 LINDE	
			02	Makarov, N	MWF 10:00 - 10:55 R 10:00 - 10:55	125 KRK 310 LINDE	
			03	Makarov, N	MWF 10:00 - 10:55 R 13:00 - 13:55	125 KRK 387 LINDE	
			04	Makarov, N	MWF 10:00 - 10:55 R 14:00 - 14:55	125 KRK 103 DWN	
			05	Makarov, N	MWF 10:00 - 10:55 R 15:00 - 15:55	125 KRK 103 DWN	
			06	Hutchcroft, T	MWF 10:00 - 10:55 R 10:00 - 10:55	310 LINDE 387 LINDE	
			07	Hutchcroft, T	MWF 10:00 - 10:55 R 13:00 - 13:55	310 LINDE 255 LINDE	
			08	Hutchcroft, T	MWF 10:00 - 10:55 R 19:00 - 19:55	310 LINDE 103 DWN	
Ma 105A	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5a</i>	01	Mantovan, E	MWF 09:00 - 09:55	387 LINDE	

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MATHEMATICS							
Ma/CS 106A	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 6a</i>	01	Yu, T	MWF 13:00 - 13:55 R 13:00 - 13:55	310 LINDE 187 LINDE	
Ma 108A	3-0-6	Classical Analysis	01	Reeves, L	MWF 11:00 - 11:55	310 LINDE	
Ma 109A	3-0-6	Introduction to Geometry and Topology	01	Jang, H	MWF 10:00 - 10:55	187 LINDE	
Ma 110A	3-0-6	Analysis	01	Heinaevaara, O	MWF 11:00 - 11:55	Hameetman Aud CHL	
Ma/CS 117A	3-0-6	Computability Theory	01	Ervin, G	TR 13:00 - 14:25	310 LINDE	
Ma 120A	3-0-6	Abstract Algebra	01	Svoboda, J	MWF 09:00 - 09:55	310 LINDE	
Ma 121A	3-0-6	Combinatorial Analysis	01	Gherman, M	MWF 14:00 - 14:55	255 LINDE	
EE/Ma/CS 126A	3-0-6	Information Theory <i>make-up classes held on Fridays 10:30-noon in Moore B270</i>	01	Effros, M	MW 10:30 - 11:55	B270 MRE	G
Ma 130A	3-0-6	Algebraic Geometry	01	Xu, W	MWF 13:00 - 13:55	289 LINDE	
Ma/ACM/IDS 140A	3-0-6	Probability	01	Tamuz, O	MWF 14:00 - 14:55	289 LINDE	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations	01	Looi, S	TR 09:00 - 10:25	255 LINDE	
Ma 151A	3-0-6	Geometry and Topology	01	Chen, D	MWF 10:00 - 10:55	255 LINDE	
Ma 157A	3-0-6	Topics in Geometry and Topology	01	Chen, D	MWF 13:00 - 13:55	255 LINDE	
Ma 160A	3-0-6	Number Theory	01	Fu, Y	MWF 14:00 - 14:55	310 LINDE	

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MATHEMATICS							
Ma 191A	3-0-6	Selected Topics in Mathematics <i>sec 1: Onsager's conjecture in fluid dynamics, convex integration and related topics // sec 2: Low-dimensional embeddings of doubling metrics // sec 3: Phase transitions, geodesic flows and dynamical systems</i>	01	Isett, P	TR 14:30 - 15:55	255 LINDE	
			02	Ryoo, S	TR 09:00 - 10:25	289 LINDE	
			03	Angelopoulos, I	TR 13:00 - 14:25	183 LINDE	
SS/Ma 214	3-0-6	Mathematical Finance	01	Cvitanic, J	TR 17:05 - 18:30	A	
Ma 290	+	Reading	01	Conlon, D	A	A	P
			02	Cvitanic, J	A	A	P
			03	Flach, M	A	A	P
			04	Hutchcroft, T	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	Isett, P	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
			21	Yu, T	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	Hutchcroft, T	A	A	P

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MATHEMATICS										
Ma 390	+	Research	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	Isett, P	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	Yu, T	A	A	P			
			21	Kapustin, A	A	A	P			
			22	Song, A	A	A	P			
			MECHANICAL ENGINEERING							
			EE/ME 007	2-3-1	Introduction to Mechatronics	01	George, G	MW 13:00 - 13:55	B270 MRE	P
			ME 008	1-4-1	Introduction to Robotics <i>Open only to first-year students. Sophomore students by permission of the instructor.</i>	01	Niemeyer, G	W 13:00 - 13:55	B122 GCL	P
			ME 010	1-0-0	Thinking Like an Engineer	01	Colonus, T	W 12:00 - 12:55	135 GTL	P
ME 011A	3-0-6	Thermal Science	01	Hunt, M	MWF 14:00 - 14:55	135 GTL	G			
ME 012A	3-0-6	Mechanics	01	Mello, M	TR 13:00 - 14:25	135 GTL	G			

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MECHANICAL ENGINEERING							
ME 013	0-4-0	Mechanical Prototyping <i>Student must submit a questionnaire available at https://registrar.caltech.edu/ME13-113FA2024</i>	01	Stovall, P	OM,W 15:00 - 15:55	B224 SPL	P
ME 040	3-0-6	Dimensional and Data Analyses in Engineering	01	Colonus, T	MWF 13:00 - 13:55	135 GTL	G
ME 072A	2-8-2	Engineering Design Laboratory	01	Mello, M / Stovall, P	TR 15:00 - 16:25	115 GTL	G
CS/EE/ME 075A	+	Multidisciplinary Systems Engineering <i>class closed to further enrollments</i>	01	Chung, S	OM,M 19:00 - 19:55	105 ANB	
ME 090A	0-0-9	Senior Thesis: Major Design Experience	01	Ames, A	A	A	G
ME 091A	0-0-9	Senior Thesis	01	Ames, A	A	A	G
ME 100	+	Independent Studies in Mechanical Engineering	01	Hunt, M	A	A	P
			02	Shepherd, J	A	A	P
			03	Colonus, T	A	A	P
			04	Scherer, A	A	A	P
			05	Burdick, J	A	A	P
			06	Minnich, A	A	A	P
			07	Rutledge, D	A	A	P
			09	Perona, P	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
			18	Greer, J	A	A	P
Ae/APh/CE/ME 101A	3-0-6	Fluid Mechanics	01	Bae, H	MWF 10:00 - 10:55	133 GUG	G

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MECHANICAL ENGINEERING							
Ae/AM/CE/ME 102A	3-0-6	Mechanics of Structures and Solids <i>taught concurrently with Ae/Ge/ME 160A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	G
APh/MS/ME 105A	3-0-6	States of Matter	01	Minnich, A	TR 14:30 - 15:55	104 WAT	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Ames, A	A	A	P
ME 113	0-4-0	Mechanical Prototyping <i>Student must submit a questionnaire available at https://registrar.caltech.edu/ME13-113FA2024</i>	01	Stovall, P	OM,W 15:00 - 15:55	B224 SPL	P
ME/EE/EST 117	3-0-6	Energy Technology and Policy <i>formerly ME/EE/EST 109 // Instructor permission required to enroll after first week</i>	01	Blanquart, G	MWF 10:00 - 10:55	135 GTL	G
Ae/ME 118	3-0-6	Classical Thermodynamics	01	Minnich, A	TR 14:30 - 15:55	A	
ME/CS/EE 133A	3-2-4	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
AM/CE/ME 150A	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
Ae/Ge/ME 160A	3-0-6	Continuum Mechanics of Fluids and Solids <i>taught concurrently with Ae/AM/CE/ME 102A</i>	01	Lapusta, N	TR 09:00 - 10:25	135 GTL	
MS/ME 166	3-0-6	Fracture of Brittle Solids	01	Faber, K	TR 10:30 - 11:55	104 WAT	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
			02	Ames, A	A	A	P
			03	Bhattacharya, K	A	A	P
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

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	06	Colonus, T	A	A	P
			07	Hunt, M	A	A	P
			08	Murray, R	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
			16	Adkins, J	A	A	P
			18	Lapusta, N	A	A	P
			19	Gharib, M	A	A	P
			20	Brady, J	A	A	P
			21	Schneider, T	A	A	P
			22	Troian, S	A	A	P
			23	Scherer, A	A	A	P
			24	Asimaki, D	A	A	P
			25	Avouac, J	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			
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			
38	Fu, X	A	A	P			
39	Bae, H	A	A	P			
40	Lozano Duran, A	A	A	P			
MEDICAL ENGINEERING							

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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 / Wang, L	R 16:00 - 16:55	105 ANB	P
MedE 101	3-0-6	Introduction to Clinical Physiology and Pathophysiology for Engineers	01	Petrasek, D	TR 14:30 - 15:55	100 - Rock Auditorium BRD	P
EE/MedE 124	3-0-6	Mixed-mode Integrated Circuits	01	Emami, A	TR 10:30 - 11:55	B280 MRE	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 24 students</i>	01	Murray, R	TR 10:30 - 11:55	B127 KRK	
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Goddard, W	A	A	P
			03	Gao, W	A	A	P
			04	Emami, A	A	A	P
			05	Faraon, A	A	A	P
			06	Gharib, M	A	A	P
			07	Greer, J	A	A	P
			08	Hajimiri, S	A	A	P
			09	Scherer, A	A	A	P
			10	Tai, Y	A	A	P
			11	Yang, C	A	A	P
			12	Chandy, K	A	A	P
			14	Colonus, T	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

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MEDICAL ENGINEERING							
MedE 291	+	Research in Medical Engineering	22	Kornfield, J	A	A	P
			23	Thomson, M	A	A	P
			24	Andersen, R	A	A	P
			25	Karthikeyan, S	A	A	P
MUSIC							
Mu 057	3-0-6	Fundamentals of Music Theory and Elementary Ear Training <i>max enrollment: 15 students</i>	01	Staff	MWF 11:00 - 11:55	B133 BAX	
Mu 139	3-0-6	Themes in Western Music History and Historiography: 1800-Present <i>max enrollment: 15 students</i>	01	Staff	TR 13:00 - 14:25	B133 BAX	
NEUROBIOLOGY							
NB 101	1-0-0	Survey of Neurobiology Research at Caltech	01	Lester, H	F 09:00 - 09:55	240A CNRB	P
NB/Bi/CNS 152	2-0-4	Neural Circuits and Physiology of Homeostatic Regulation <i>class cancelled, postponed to winter term</i>	01	Staff	A	A	
NB/Bi/CNS 162	2-4-6	Cellular and Systems Neuroscience Laboratory <i>maximum enrollment: 15 students</i>	01	Oka, Y / Wagenaar, D	M 13:00 - 16:25	B160 CHR	
NB/Bi/CNS 164	3-0-6	Tools of Neurobiology	01	Meister, M / Rutishauser, U	TR 13:00 - 14:25	B101 BBB	
Bi/CNS/NB 195	3-0-6	Mathematics in Biology	01	Thomson, M	TR 10:30 - 11:55	130 CNRB	
BE/Bi/CNS/NB 197	+	Mentoring and Outreach	01	Bjorkman, P	A	A	P
			02	Meister, M	A	A	P
NB/Bi/CNS 217	2-0-4	Central Mechanisms in Perception	01	Allman, J	WF 14:00 - 15:55	A	G
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
NEUROBIOLOGY										
NB 299	+	Graduate Research	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			
			21	Wagenaar, D	A	A	P			
			22	Zinn, K	A	A	P			
			23	Yue, Y	A	A	P			
			24	Parker, J	A	A	P			
			25	Mobbs, D	A	A	P			
			26	Mazmanian, S	A	A	P			
			PERFORMING AND VISUAL ARTS							
			PVA030A	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	Fr Rehearsal Hall HAM	P
						02	Elgart, M	T 15:30 - 16:25	Fr Rehearsal Hall HAM	P
03	Elgart, M	T 17:30 - 18:25				Fr Rehearsal Hall HAM	P			
PVA031A	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles / Sec 2: Piano four-hands / Sec 3: Guitar Ensemble</i>	01	Jasper White, M	OM,A	House Music	P			
			02	Ward, R	OM,A	House Music	P			
			03	Elgart, M	OM,A	House Music	P			

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PERFORMING AND VISUAL ARTS							
PVA032A	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:00	Fr Rehearsal Hall HAM	P
PVA033A	0-3-0	Wind Orchestra	01	Price, G	R 19:15 - 21:25	Fr Rehearsal Hall HAM	P
PVA034A	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:30 - 21:00 W 21:15 - 22:30	Fr Rehearsal Hall HAM Fr Rehearsal Hall HAM	P
PVA035A	0-3-0	Glee Club	01	Sulahian, N	M 19:00 - 20:30 W 17:05 - 18:35	Fr Rehearsal Hall HAM Fr Rehearsal Hall HAM	P
PVA037A	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 22:00	Fr Rehearsal Hall HAM	P
PVA040A	2-0-1	Theater Arts Production	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA041A	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA042A	2-0-1	Improvisation for Scientists	01	Brophy, B	W 20:30 - 21:55	Ramo Auditorium BAX	P
PVA061A	0-3-0	Silk Painting <i>maximum enrollment: 18 students</i>	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PVA062A	0-3-0	Drawing and Painting <i>maximum enrollment: 17 students per section</i>	01 02	Barry, J Barry, J	T 19:00 - 21:55 W 19:00 - 21:55	Garage TCT Garage TCT	P P
PVA063A	0-3-0	Ceramics <i>maximum enrollment: 10 students</i>	01	Plunkett, L	R 19:00 - 21:55	POLY	P
PHILOSOPHY							
Hum/PI 040	3-0-6	Right and Wrong <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start</i>	01	Quartz, S	TR 14:30 - 15:55	A	

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PHILOSOPHY							
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	Eberhardt, F	TR 13:00 - 14:25	A	P
			02	Eberhardt, F	TR 14:30 - 15:55	A	P
PI 089	3-0-0	Applied Ethics (Ethics Bowl) <i>max enrollment: 12 students // class full, see instructor for waitlist</i>	01	Gurcan, O	R 16:00 - 18:55	A	P
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	Quartz, S	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>max enrollment: 15 students</i>	01	McKenna, T	MW 10:30 - 11:55	A	G
HPS/PI 136	3-0-6	Happiness and the Good Life <i>open by lottery only; see link on the REGIS home page to enter by May 22nd // maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	A	G
PI/HPS 183	3-0-6	Bioethics <i>max enrollment: 15 students // class full, see instructor for waitlist</i>	01	Gurcan, O	TR 10:30 - 11:55	A	G
PHYSICAL EDUCATION							
PE 001	3-0-0	Wellness <i>maximum enrollment: 20 students per section // Graduate students may not enroll until Add Day</i>	01	Morgan, H	MW 14:30 - 15:55	BAC	P
PE 003	3-0-0	Hiking <i>may only be taken once // maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i>	01	Herbison, J	F 09:00 - 12:55	BAC	P
PE 004	3-0-0	Introduction to Power Walking <i>maximum enrollment: 20 students // Graduate</i>	01	Gizella, M	MW 09:00 - 10:25	BAC	P

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PHYSICAL EDUCATION							
PE 008	3-0-0	Pickleball, Beginning <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i>	01	Peele, N	TR 09:00 - 10:25	BAC	P
PE 010	3-0-0	Aerobic Dance <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i>	01	Sufi, M	MW 15:00 - 16:25	BAC	P
PE 022	1-0-0	Stretching <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i>	01	Morgan, H	T 10:30 - 11:25	BAC	P
PE 023	3-0-0	Pilates <i>maximum enrollment: 18 students // Graduate students may not enroll until Add Day</i>	01	Chiang, N	TR 13:00 - 14:25	BAC	P
PE 024	3-0-0	Yoga, Beginning <i>maximum enrollment: 18 students per section // Graduate students may not enroll until Add Day</i>	01 02	Chiang, N Chiang, N	MW 13:00 - 14:25 TR 10:30 - 11:55	BAC BAC	P P
PE 036	3-0-0	Swimming, Beginning/Intermediate <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i>	01	Beene, S	TR 10:30 - 11:55	BAC	P
PE 040	1-0-0	Beginning Self Defense <i>max enrollment: 16 students // Graduate students may not enroll until Add Day</i>	01	Herr, C	W 11:00 - 11:55	BAC	P
PE 048	3-0-0	T'ai-Chi Ch'uan, Beginning and Intermediate <i>maximum enrollment: 12 students // Graduate students may not enroll until Add Day</i>	01	Eslinger, O	TR 09:00 - 10:25	BAC	P
PE 060	3-0-0	Tennis, Beginning and Intermediate <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i>	01	Clark, A	MW 09:00 - 10:25	BAC	P
PE 070	3-0-0	Weight Training, Beginning <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i>	01	Whitehead, K	MW 13:00 - 14:25	BAC	P
PE 081	3-0-0	Bouldering <i>may not be repeated // maximum enrollment: 12 students // Graduate students may not enroll</i>	01	Herbison, J	TR 13:00 - 14:25	BAC	P

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PHYSICAL EDUCATION							
PE 082	3-0-0	Rock Climbing, Beginning and Intermediate <i>may not be repeated // maximum enrollment: 12 students // Graduate students may not enroll until Add Day</i>	01	Herbison, J	TR 14:30 - 15:55	BAC	P
PE 084	3-0-0	Table Tennis, Beginning, Intermediate, and Advanced <i>max enrollment: 12 students // Graduate students may not enroll until Add Day</i>	01	Tarakchian, A	MW 11:00 - 12:25	BAC	P
PE 087	3-0-0	Intercollegiate Swimming and Diving Teams <i>Open to NCAA eligible students only</i>	01	Brabson, A	MTWRFS 16:00 - 17:55	BAC	P
PE 090	3-0-0	Intercollegiate Water Polo Teams <i>Open to NCAA eligible students only</i>	01	Bonafede, J	MTWRFS 16:00 - 17:55	BAC	P
PE 091	3-0-0	Intercollegiate Basketball Teams <i>Open to NCAA eligible students only</i>	01	Eslinger, O / Tarakchian, A	MTWRFS 16:00 - 17:55	BAC	P
PE 092	3-0-0	Intercollegiate Soccer Teams <i>Open to NCAA eligible students only</i>	01	Gillis, D / Meyring, E	MTWRFS 16:00 - 17:55	BAC	P
PE 097	3-0-0	Intercollegiate Cross-Country Teams <i>Open to NCAA eligible students only</i>	01	Blake, K	MTWRFS 16:00 - 17:55	BAC	P
PE 099	3-0-0	Intercollegiate Volleyball Team <i>Open to NCAA eligible students only</i>	01	Gardner, T	MTWRFS 16:00 - 17:55	BAC	P
PHYSICS							
Ph 001A	4-0-5	Classical Mechanics and Electromagnetism	01	Ravi, V	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 107 DWN	P
			02	Ravi, V	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 269 LAU	P
			03	Ravi, V	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 103 DWN	P
			04	Ravi, V	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 469 LAU	P
			05	Ravi, V	WF 11:00 - 11:55	201 BRG	P

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PHYSICS							
Ph 001A	4-0-5	Classical Mechanics and Electromagnetism	05	Ravi, V	MR 13:00 - 13:55	134 (Auditorium) BCK	P
			06	Ravi, V	WF 11:00 - 11:55	201 BRG	P
			07	Ravi, V	MR 15:00 - 15:55	102 STL	P
			08	Ravi, V	MR 13:00 - 13:55	102 STL	P
			08	Ravi, V	WF 11:00 - 11:55	201 BRG	P
			09	Ravi, V	MR 15:00 - 15:55	310 LINDE	P
			09	Ravi, V	WF 11:00 - 11:55	201 BRG	P
			10	Ravi, V	MR 13:00 - 13:55	269 LAU	P
			10	Ravi, V	WF 11:00 - 11:55	201 BRG	P
			10	Ravi, V	MR 15:00 - 15:55	107 DWN	P
Ph 002A	4-0-5	Waves, Quantum Mechanics, and Statistical Physics	01	Hildebrandt, S	T 11:00 - 11:55	201 BRG	
					TR 20:00 - 20:55	269 LAU	
					R 11:00 - 11:55	269 LAU	
			02	Hildebrandt, S	T 11:00 - 11:55	201 BRG	
					WF 13:00 - 13:55	107 DWN	
					R 11:00 - 11:55	269 LAU	
			03	Hildebrandt, S	T 11:00 - 11:55	201 BRG	
					WF 15:00 - 15:55	107 DWN	
					R 11:00 - 11:55	269 LAU	
			04	Hildebrandt, S	T 11:00 - 11:55	201 BRG	
					WF 11:00 - 11:55	269 LAU	
					R 11:00 - 11:55	269 LAU	
Ph 003	0-3-3	Introductory Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	OM,M 14:00 - 14:55	308 BRG	
					W 13:00 - 15:55	308 BRG	
			02	Black, E / Libbrecht, K	OM,M 14:00 - 14:55	308 BRG	
					R 13:00 - 15:55	308 BRG	
			03	Black, E / Libbrecht, K	OM,M 14:00 - 14:55	308 BRG	
					F 13:00 - 15:55	308 BRG	
FS/Ph 004	2-0-4	Freshman Seminar: Astrophysics and Cosmology with Open Data <i>maximum enrollment: 12 students</i>	01	Weinstein, A	TR 13:00 - 14:25	289 LINDE	P

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PHYSICS							
Ph 005	0-5-4	Analog Electronics for Physicists	01	Rice, F / Libbrecht, K	A	A	
FS/Ph 009	2-0-4	First-Year Seminar: The Science of Music <i>open to first-year (undergraduates) only // maximum enrollment: 12 students</i>	01	Politzer, H	MF 13:00 - 13:55	387 LINDE	P
Ph 010	2-0-1	Frontiers in Physics <i>maximum enrollment: 33 students // open to first-years and sophomores</i>	01	Spiropulu, M	W 12:00 - 13:55	269 LAU	P
FS/Ph 011A	2-0-4	First-Year 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	Zmuidzinas, J	T 10:30 - 11:55 R 10:30 - 11:55	269 LAU 201 BRG	
FS/Ph 015	2-0-4	First-Year Seminar: Quantum Information Science Today and Tomorrow <i>open to first-year students only // maximum enrollment: 12 students</i>	01	Preskill, J	MW 14:00 - 14:55	469 LAU	P
Ph 020	0-6-0	Computational Physics Laboratory I	01	Adhikari, R	WF 13:00 - 15:55	183 LINDE	P
Ph 050A	1-0-2	Caltech Physics League	01	Refael, G	A	A	
Ph 070	2-0-4	Oral and Written Communication	01	Hitlin, D	T 14:00 - 15:55	469 LAU	G
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	

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PHYSICS							
Ph 078A	9-0-0	Senior Thesis (Experiment)	01	Libbrecht, K	A	A	G
Ph 079A	9-0-0	Senior Thesis (Theory)	01	Libbrecht, K	A	A	G
Ph 105	3-0-6	Analog Electronics for Physicists	01	Rice, F / Libbrecht, K	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	Chatzioannou, K	TR 10:30 - 11:55	107 DWN	
Ph 121A	0-6-0	Computational Physics Lab	01	Chen, Y	TR 10:30 - 11:55	469 LAU	P
Ph 125A	4-0-5	Quantum Mechanics <i>Recitation time and location will be determined during the first week of classes.</i>	01	Porter, F	MWF 10:00 - 10:55	107 DWN	
Ph 127A	4-0-5	Statistical Physics of Interacting Systems, Phases, and Phase Transitions <i>Recitation time and location will be determined during the first week of classes.</i>	01	Motrunich, O	MW 13:00 - 14:25	201 BRG	
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	Hameetman Aud CHL	
Ph 135	3-0-6	Introduction to Condensed Matter	01	Ye, L	TR 13:00 - 14:25	201 BRG	
Ph 136A	3-0-6	Applications of Classical Physics	01	Most, E	TR 13:00 - 14:25	155 ARM	
Ph/APh 137A	3-0-6	Atoms and Photons	01	Hutzler, N	TR 10:30 - 11:55	103 DWN	
Ph 171	+	Reading and Independent Study	01 02	Adhikari, R Alicea, J	A A	A A	P P

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PHYSICS							
Ph 171	+	Reading and Independent Study	03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			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
			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

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PHYSICS							
Ph 171	+	Reading and Independent Study	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
			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
61	Batygin, K	A	A	P			
62	Zurek, K	A	A	P			
63	McCuller, L	A	A	P			
64	Ye, L	A	A	P			
Ph 172	+	Research in Physics	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P

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PHYSICS							
Ph 172	+	Research in Physics	10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P

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PHYSICS							
Ph 172	+	Research in Physics	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
			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
			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
			63	Chatziioannou, K	A	A	P
			65	Dore, O	A	A	P
			66	Thomson, M	A	A	P
			67	Bellan, P	A	A	P
			68	Gregoire, J	A	A	P
			69	McCuller, L	A	A	P
			70	Yeh, N	A	A	P
			71	Wang, Z	A	A	P
			72	Ghaffari, A	A	A	P
73	Zmuidzinas, J	A	A	P			
74	Ye, L	A	A	P			
75	Most, E	A	A	P			
76	Staff	A	A	P			
77	Sayers, J	A	A	P			

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PHYSICS							
Ph 205A	3-0-6	Relativistic Quantum Field Theory	01	Wise, M	MW 10:30 - 11:55	103 DWN	P
Ph/CS 219A	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	201 BRG	P
Ph 230A	3-0-6	Elementary Particle Theory	01	Zurek, K	MW 09:00 - 10:25	469 LAU	P
Ph 232	3-0-6	Introduction to Topological Field Theory	01	Kapustin, A / Simmons-Duffin, D	TR 14:30 - 15:55	142 KCK	P
Ph 242A	2-0-2	Physics Seminar	01	Hsieh, D	F 12:00 - 13:55	B160 BRG	P
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			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

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PHYSICS							
Ph 300	+	Thesis Research	23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
52	Weinstein, A	A	A	P			
53	Wise, M	A	A	P			
54	Yeh, N	A	A	P			
55	Yue, Y	A	A	P			
56	Zmuidzinas, J	A	A	P			

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PHYSICS							
Ph 300	+	Thesis Research	57	Ravi, V	A	A	P
			58	Chatzioannou, K	A	A	P
			59	Zurek, K	A	A	P
			60	Most, E	A	A	P
			61	McCuller, L	A	A	P
POLITICAL SCIENCE							
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
PS 099A	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Staff	A	A	
PS 101	3-0-6	Selected Topics in Political Science: The 2024 Presidential Elections <i>max enrollment: 35 students</i>	01	Alvarez, R	TR 10:30 - 11:55	A	G
IDS/Ec/PS 126	3-0-6	Applied Data Analysis	01	Katz, J	MW 10:30 - 11:55	A	G
PSYCHOLOGY							
Psy/CNS 105A	1.5-0-3.5	Frontiers in Neuroeconomics	01	O'Doherty, J	T 14:30 - 15:55	A	
Ec/Psy 106	3-0-6	Behavioral Game Theory	01	Camerer, C	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	Camerer, C	T 13:00 - 14:25	A	P
SCIENTIFIC AND ENGINEERING COMMUNICATION							

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SCIENTIFIC AND ENGINEERING COMMUNICATION							
SEC010	3-0-0	Technical Seminar Presentations <i>maximum enrollment: 18 students per section // to be added to the waitlist, go to https://forms.office.com/r/SEVCpEpbM</i>	01	Gold, J	MWF 09:00 - 09:55	100 PWB	G
			02	Gold, J	MWF 10:00 - 10:55	100 PWB	G
			03	Gold, J	MWF 11:00 - 11:55	100 PWB	G
SEC011	1-0-2	Written Academic Communication in Engineering and Applied Science <i>Open to E&AS and GPS students only // Maximum enrollment: 20 students // to be added to waitlist go to https://forms.office.com/r/KABh4Epxap</i>	01	Staff	F 13:00 - 13:55	104 WAT	G
SEC012	1-0-2	Written Professional Communication in Engineering and Applied Science <i>Open to E&AS and GPS students only // Maximum enrollment: 20 students // to be added to waitlist go to https://forms.office.com/r/KABh4Epxap</i>	01	Meyer, V	F 10:00 - 10:55	104 WAT	G
SEC013	1-0-2	Written Communication about Engineering and Applied Sciences to Non-Specialists <i>Open to E&AS and GPS students only // Maximum enrollment: 20 students // to be added to waitlist go to https://forms.office.com/r/KABh4Epxap</i>	01	Burkett, E	W 11:00 - 11:55	104 WAT	G
E/SEC 102	3-0-6	Scientific and Technology Entrepreneurship	01	Low, S / Yanchinski, S / Fromer, N	TR 14:30 - 15:55	104 ANB	
SOCIAL SCIENCE							
SS 202A	3-0-6	Political Theory <i>Open to Social Science graduate students only</i>	01	Katz, J	W 13:00 - 15:55	A	G
SS 205A	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only</i>	01	Caradonna, P	TR 10:30 - 11:55	A	G
SS 211A	3-0-6	Advanced Economic Theory	01	Niemeyer, A	MW 09:00 - 10:25	A	G

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SOCIAL SCIENCE							
SS 212A	3-0-6	Experimental Economics	01	Agranov, M	TR 14:30 - 15:55	A	G
SS/Ma 214	3-0-6	Mathematical Finance	01	Cvitanic, J	TR 17:05 - 18:30	A	
SS 222A	3-0-6	Econometrics <i>Open to Social Science graduate students only</i>	01	Sherman, R	TR 14:30 - 15:55	A	G
SS 282A	1.5-0-1.5	Graduate Proseminar in Social Science	01	Nielsen, K	M 13:00 - 14:25	A	P
SS 300	+	Research in Social Science	01	Druckenmiller, H	A	A	P
			02	Druckenmiller, H	A	A	P
			04	Camerer, C	A	A	P
			05	Katz, J	A	A	P
			06	Cvitanic, J	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	Pomatto, L	A	A	P
			14	Adolphs, R	A	A	P
			16	Rosenthal, J	A	A	P
			18	Palfrey, T	A	A	P
			19	Shum, M	A	A	P
			23	O'Doherty, J	A	A	P
			25	Mobbs, D	A	A	P
			26	Agranov, M	A	A	P
			27	Hirsch, A	A	A	P
			29	Sprenger, C	A	A	P
			30	Nielsen, K	A	A	P
STUDENT ACTIVITIES							

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STUDENT ACTIVITIES							
SA 016A	0-3-0	Cooking Basics <i>maximum enrollment: 20 students</i>	01	Mannion, T	R 18:30 - 21:25	Library AVE	P
SA 080A	1-1-1	Health Advocates <i>maximum enrollment: 24 students per section</i>	01	Stapf, M / Mateo, V	W 19:00 - 21:55	132 YHC	P
			02	Stapf, M / Mateo, V	R 19:00 - 21:55	132 YHC	P
STUDY ABROAD							
CAM100	36-0-0	Cambridge 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
UCL100	36-0-0	University College London Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
EDN100	36-0-0	University of Edinburgh Scholars Program	01	Staff	A	A	P
VISUAL CULTURE							
Hum/VC 048	3-0-6	Ways of Seeing <i>attendance at first class is required // maximum enrollment: 15 students // class closed to continuing students until term start</i>	01	Jacobson, B	TR 14:30 - 15:55	A	
Hum/VC 049	3-0-6	Seeing Race <i>attendance at first class is required // maximum enrollment: 18 students // class closed to continuing students until term start</i>	01	Stielau, A	TR 14:30 - 15:55	125 KRK	

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VISUAL CULTURE							
Hum/VC 050	3-0-6	Introduction to Film <i>attendance at first class is required // maximum enrollment: 15 students // class closed - see instructor for waitlist</i>	01	Jurca, C	TR 13:00 - 14:25	A	
VC 061	2-0-4	Environmental Justice <i>taught concurrently with Ge/ESE/Bi 248, maximum enrollment: 18 students</i>	01	Mushkin, H / Orphan, V	T 13:00 - 14:55	151 ARM	
VC 070	3-0-6	Traditions of Japanese Art <i>max enrollment: 15 students</i>	01	Wolfgram, J	TR 10:30 - 11:55	121 BCK	
VC 073	3-0-6	Seeing Systems: Critical Research as Visual Art <i>max enrollment: 20 students</i>	01	Artist, A	T 19:00 - 21:55	A	G
L/VC 109	3-0-6	Introduction to 20th-Century French Cinema <i>max enrollment: 15 students</i>	01	Orcel, C	OM,M 15:00 - 15:55	A	G
En/VC 172	3-0-6	Heritage and Its Discontents <i>max enrollment: 15 students // class full, see instructor for waitlist</i>	01	Jurca, C	TR 10:30 - 11:55	A	
VC 175	3-0-6	The Art of Science <i>max enrollment: 15 students</i>	01	Jacobson, B	TR 10:30 - 11:55	A	
VC 176	3-0-6	Representation Matters? <i>max enrollment: 15 students</i>	01	Stielau, A	TR 10:30 - 11:55	115 BCK	
H/HPS/VC 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>max enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	A	
WRITING							
Wr 002	3-0-6	Introduction to Academic Writing <i>open to undergraduate students only // max enrollment: 12 students per section</i>	01	Gaida, M	TR 13:00 - 14:25	A	P
			02	Gaida, M	TR 14:30 - 15:55	A	P
			03	Hall, S	TR 13:00 - 14:25	A	P
			04	Schneiderman, J	TR 09:00 - 10:25	A	P
			05	Sherazi, M	TR 09:00 - 10:25	A	P

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WRITING							
Wr 002	3-0-6	Introduction to Academic Writing <i>open to undergraduate students only // max enrollment: 12 students per section</i>	06	Sherazi, M	TR 14:30 - 15:55	A	P
Wr 050	1-0-0	Tutorial in Writing <i>Individually Scheduled</i>	01	Hall, S	A	A	P