

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

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AEROSPACE							
Ae 100	+	Research in Aerospace	01	Rosakis, A	A	A	P
			02	Ravichandran, G	A	A	P
			03	Rosakis, A	A	A	P
			04	Meiron, D	A	A	P
			05	Dimotakis, P	A	A	P
			06	McKeon, B	A	A	P
			07	Blanquart, G	A	A	P
			08	Daraio, C	A	A	P
			09	Shepherd, J	A	A	P
			10	Gharib, M	A	A	P
			11	Chung, S	A	A	P
			12	Pellegrino, S	A	A	P
			13	Bae, H	A	A	P
			14	Austin, J	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	135 GTL	
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Pellegrino, S	TR 09:00 - 10:25	133 GUG	G
Ae/APh 104C	0-6-3	Experimental Methods	01	Dabiri, J	A	A	G
Ae 105C	0-8-1	Space Engineering	01	Watkins, M	TR 14:30 - 15:55	232 GUG	G
Ae 121C	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	232 GUG	
Ae 150C	1-0-0	Aerospace Engineering Seminar	01	Austin, J	M 13:00 - 13:55	133 GUG	P
APh/Ph/Ae/MS 153	3-0-6	Fundamentals of Energy and Mass Transport in Small Scale Systems	01	Troian, S	TR 14:30 - 15:55	111 KCK	
Ae 200	+	Advanced Research in Aerospace	01	Bellan, P	A	A	P
			02	Schneider, T	A	A	P

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AEROSPACE							
Ae 200	+	Advanced Research in Aerospace	03	Pellegrino, S	A	A	P
			04	Dimotakis, P	A	A	P
			05	Gharib, M	A	A	P
			06	Hornung, H	A	A	P
			07	McKeon, B	A	A	P
			08	Leonard, A	A	A	P
			09	Murray, R	A	A	P
			10	Ortiz, M	A	A	P
			11	Pullin, D	A	A	P
			12	Ravichandran, G	A	A	P
			13	Rosakis, A	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Colonus, T	A	A	P
			16	Shepherd, J	A	A	P
			17	Blake, G	A	A	P
			18	Lapusta, N	A	A	P
			19	Troian, S	A	A	P
			20	Daraio, C	A	A	P
			21	Chung, S	A	A	P
			22	Blanquart, G	A	A	P
			24	Greer, J	A	A	P
			25	Gurnis, M	A	A	P
			26	Minnich, A	A	A	P
			28	Austin, J	A	A	P
			29	Kulkarni, S	A	A	P
			30	Meiron, D	A	A	P
			31	Burdick, J	A	A	P
			32	Asimaki, D	A	A	P
			33	Hunt, M	A	A	P
			34	Dickinson, M	A	A	P
			35	Mawet, D	A	A	P
			36	Dabiri, J	A	A	P
			37	Bae, H	A	A	P

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AEROSPACE							
Ae 200	+	Advanced Research in Aerospace	38	Kornfield, J	A	A	P
			39	Lozano Duran, A	A	A	P
Ae 204A	3-0-6	Technical Fluid Mechanics	01	Gharib, M	MW 10:00 - 11:25	232 GUG	
Ae 208C	1-0-0	GALCIT Colloquium	01	Meiron, D	F 15:00 - 15:55	133 GUG	P
Ae 234A	3-0-6	Hypersonic Aerodynamics	01	Austin, J / Shepherd, J	TR 10:30 - 11:55	390 FIR	P
Ae 239A	3-0-6	Turbulence	01	Bae, H	TR 14:30 - 15:55	384 FIR	
Ae 240	+	Special Topics in Fluid Mechanics <i>Section 1: Educational Exchange (Pass-Fail only)</i>	01	Austin, J	A	A	P
ANTHROPOLOGY							
An 097	+	Undergraduate Research	01	Staff	A	A	P
APPLIED & COMPUTATIONAL MATH							
ACM011	2-2-2	Introduction to Computational Science and Engineering	01	Baptista, R	M 14:00 - 15:55	104 ANB	G
ACM080C	+	Undergraduate Thesis	01	Anandkumar, A	A	A	P
			02	Bruno, O	A	A	P
ACM081C	+	Undergraduate Projects in Applied and Computational Mathematics	01	Chandrasekaran, V	A	A	P
			02	Zuev, K	A	A	P
			03	Leong, O	A	A	P
			04	Wierman, A	A	A	P
			05	Hoffmann, F	A	A	P
			06	Stuart, A	A	A	P
			07	Bruno, O	A	A	P
			08	Tropp, J	A	A	P

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APPLIED & COMPUTATIONAL MATH							
ACM081C	+	Undergraduate Projects in Applied and Computational Mathematics	09	Chung, S	A	A	P
ACM095B	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences <i>class meets in KRK 125 on Friday 4/12 & 4/26</i>	01	Meiron, D	MWF 11:00 - 12:15	Lecture Hall BAX	
ACM100B	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences <i>class meets in KRK 125 on Friday 4/12 & 4/26</i>	01	Meiron, D	MWF 11:00 - 12:15	Lecture Hall BAX	
AM/ACM 127	3-0-6	Calculus of Variations <i>Letter grade only. Pass-Fail in exceptional circumstances with approval of the instructor.</i>	01	Bhattacharya, K	TR 14:30 - 15:55	115 GTL	
Ma/ACM 142B	3-0-6	Ordinary and Partial Differential Equations	01	Looi, S	TR 09:00 - 10:25	187 LINDE	
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	Lecture Hall BAX	
ACM190	+	Reading and Independent Study	01	Bruno, O	A	A	P
			02	Baptista, R	A	A	P
			03	Hoffmann, F	A	A	P
			04	Winston, K	A	A	P
ACM201	4-0-8	Partial Differential Equations <i>class cancelled</i>	01	Staff	A	A	G
ACM217	3-0-6	Advanced Topics in Probability: Free Probability <i>class cancelled - to be offered as ACM270 this term</i>	01	Staff	A	A	P
ACM270	3-0-6	Advanced Topics in Applied and Computational Math <i>Sec 1: Machine Learning In Inverse Problems and Data Assimilation // Sec 2: Free Probability (Pass-Fail only) // Sec 3: Partial Differential Equations and Computational Mean Field Games (Letter grades only)</i>	01	Stuart, A / Bach, E	TR 09:00 - 10:25	213 ANB	
			02	Tropp, J / Garza Vargas, J	MW 10:00 - 11:25	213 ANB	
			03	Yang, X	TR 10:30 - 11:55	213 ANB	

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APPLIED & COMPUTATIONAL MATH							
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P
			03	Hoffmann, F	A	A	P
			04	Hou, Y	A	A	P
			05	Tropp, J	A	A	P
			06	Meiron, D	A	A	P
			07	Stuart, A	A	A	P
			08	Owhadi, H	A	A	P
			09	Hassibi, B	A	A	P
			10	Schroeder, P	A	A	P
			11	Beck, J	A	A	P
APPLIED MECHANICS							
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Pellegrino, S	TR 09:00 - 10:25	133 GUG	G
AM/ACM 127	3-0-6	Calculus of Variations <i>Letter grade only. Pass-Fail in exceptional circumstances with approval of the instructor.</i>	01	Bhattacharya, K	TR 14:30 - 15:55	115 GTL	
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151	3-0-6	Dynamics and Vibration	01	Lavrentiadis, G / Asimaki, D	TR 13:00 - 14:25	115 GTL	
AM 300	+	Research in Applied Mechanics	01	Lapusta, N	A	A	P
			02	Bhattacharya, K	A	A	P
			03	Andrade, J	A	A	P
			04	Avouac, J	A	A	P
			05	Murray, R	A	A	P
			06	Ortiz, M	A	A	P
			07	Phillips, R	A	A	P
			08	Ravichandran, G	A	A	P
			09	Fu, X	A	A	P
			10	Greer, J	A	A	P

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APPLIED PHYSICS							
APh/EE 024	3-0-6	Introductory Optics and Photonics Laboratory	01	Vahala, K	TR 09:00 - 10:25	133 STL	
APh078C	0-9-0	Senior Thesis, Experimental	01	Atwater, H	A	A	
			02	Painter, O	A	A	
			03	Yung, Y	A	A	
			04	Scherer, A	A	A	
			05	Vahala, K	A	A	
			06	Bellan, P	A	A	
			07	Troian, S	A	A	
			08	Phillips, R	A	A	
			09	Faraon, A	A	A	
			10	Schwab, K	A	A	
			11	Endres, M	A	A	
			12	Hajimiri, S	A	A	
			13	Fultz, B	A	A	
APh079C	0-9-0	Senior Thesis, Theoretical	01	Phillips, R	A	A	G
			02	Troian, S	A	A	G
			03	Kimble, H	A	A	G
APh100	+	Advanced Work in Applied Physics	01	Phillips, R	A	A	P
			02	Atwater, H	A	A	P
			03	Faraon, A	A	A	P
			04	Schwab, K	A	A	P
			05	Troian, S	A	A	P
			06	Faraon, A	A	A	P
			07	Bellan, P	A	A	P
			08	Scherer, A	A	A	P
			09	Minnich, A	A	A	P
			10	Painter, O	A	A	P
			11	Quartz, S	A	A	P
			12	Kimble, H	A	A	P
			14	Hajimiri, S	A	A	P
			15	Hajimiri, S	A	A	P

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APPLIED PHYSICS							
APh100	+	Advanced Work in Applied Physics	16	Falson, J	A	A	P
			17	Falson, J	A	A	P
			18	Marandi, A	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	135 GTL	
Ae/APh 104C	0-6-3	Experimental Methods	01	Dabiri, J	A	A	G
APh/MS/ME 105C	3-0-6	States of Matter	01	Falson, J	TR 10:30 - 11:55	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	
APh114C	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	104 WAT	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	387 LINDE	
APh119	1-4-1	Nanofabrication Techniques	01	Scherer, A	R 13:00 - 13:55	142 KCK	
APh/Ph 138B	3-0-6	Quantum Hardware and Techniques	01	Faraon, A / Minnich, A	TR 14:30 - 15:55	142 KCK	P
APh/Ph/Ae/MS 153	3-0-6	Fundamentals of Energy and Mass Transport in Small Scale Systems	01	Troian, S	TR 14:30 - 15:55	111 KCK	
APh156C	3-0-6	Plasma Physics	01	Bellan, P	MW 14:30 - 15:55	104 WAT	
APh/EE 183	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Nad Perge, S	TR 13:00 - 14:25	104 WAT	
APh200	+	Applied Physics Research	01	Burdick, J	A	A	P
			02	Bellan, P	A	A	P
			03	Atwater, H	A	A	P
			04	Troian, S	A	A	P

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APh200	+	Applied Physics Research	05	Johnson, W	A	A	P
			06	Chen, Y	A	A	P
			07	Yariv, A	A	A	P
			08	Vahala, K	A	A	P
			09	Lewis, N	A	A	P
			10	Fultz, B	A	A	P
			11	Schwab, K	A	A	P
			12	Schneider, T	A	A	P
			13	Refael, G	A	A	P
			14	Kimble, H	A	A	P
			15	Goddard, W	A	A	P
			16	Faraon, A	A	A	P
			17	Minnich, A	A	A	P
			18	Yang, C	A	A	P
			19	Motrunich, O	A	A	P
			20	Hsieh, D	A	A	P
			21	Preskill, J	A	A	P
			22	Painter, O	A	A	P
			23	Bernardi, M	A	A	P
			24	Roukes, M	A	A	P
			25	Alicea, J	A	A	P
			26	Gharib, M	A	A	P
			27	Nad Perge, S	A	A	P
			28	Rosenbaum, T	A	A	P
			29	Hutzler, N	A	A	P
			31	Elowitz, M	A	A	P
			32	Yeh, N	A	A	P
			33	Falson, J	A	A	P
			34	Bock, J	A	A	P
			35	Marandi, A	A	A	P
			36	Endres, M	A	A	P
			37	Cushing, S	A	A	P
			38	Daraio, C	A	A	P

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APPLIED PHYSICS							
APh200	+	Applied Physics Research	39	Scherer, A	A	A	P
			40	Phillips, R	A	A	P
			41	Mirhosseini, M	A	A	P
			42	Adhikari, R	A	A	P
			43	Spiropulu, M	A	A	P
			44	Murray, R	A	A	P
			45	Chan, G	A	A	P
Ph/APh 223B	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	
APh300	+	Thesis Research in Applied Physics	01	Yariv, A	A	A	P
			02	Troian, S	A	A	P
			03	Vahala, K	A	A	P
			04	Schwab, K	A	A	P
			05	Bernardi, M	A	A	P
			06	Flagan, R	A	A	P
			07	Faraon, A	A	A	P
			08	Hsieh, D	A	A	P
			09	Fultz, B	A	A	P
			10	Atwater, H	A	A	P
			12	Daraio, C	A	A	P
			13	Refael, G	A	A	P
			14	Nad Perge, S	A	A	P
			15	Rosenbaum, T	A	A	P
			16	Vahala, K	A	A	P
			17	Hutzler, N	A	A	P
			18	Falson, J	A	A	P
			19	Marandi, A	A	A	P
			20	Minnich, A	A	A	P
			21	Roukes, M	A	A	P
			22	Chan, G	A	A	P
			23	Schneider, T	A	A	P
			24	Burdick, J	A	A	P

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APPLIED PHYSICS							
APh300	+	Thesis Research in Applied Physics	26	Scherer, A	A	A	P
			27	Chen, Y	A	A	P
			31	Phillips, R	A	A	P
			33	Bellan, P	A	A	P
			36	Painter, O	A	A	P
			38	Zmuidzinas, J	A	A	P
			39	Endres, M	A	A	P
ASTROPHYSICS							
Ay 001	3-3-3	The Evolving Universe <i>not open to juniors or seniors</i>	01	Mawet, D	MWF 14:00 - 14:55	Hameetman Aud CHL	
FS/Ay 003	2-0-4	First-Year Seminar: Automating Discovering the Universe <i>maximum enrollment: 12 students</i>	01	El-Badry, K / Kasliwal, M	T 14:30 - 16:25	370 CHL	P
Ge/Ay 011C	3-0-6	Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i>	01	Ehlmann, B	TR 13:00 - 14:25	162 SMD	
Ay 078C	+	Senior Thesis	01	Ravi, V	A	A	P
			02	Hillenbrand, L	A	A	P
			03	Blake, G	A	A	P
			04	Steidel, C	A	A	P
			05	Cohen, J	A	A	P
			06	Scoville, N	A	A	P
			07	El-Badry, K	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P
			11	Harrison, F	A	A	P
			12	Hallinan, G	A	A	P
			13	Phinney, E	A	A	P
			14	Hopkins, P	A	A	P
			15	Knutson, H	A	A	P
16	Mawet, D	A	A	P			
18	Kasliwal, M	A	A	P			

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ASTROPHYSICS							
Ay 078C	+	Senior Thesis	19	Djorgovski, S	A	A	P
			20	El-Badry, K	A	A	P
			21	Batygin, K	A	A	P
Ay/Ph 104	3-0-6	Relativistic Astrophysics	01	Most, E	TR 09:00 - 10:25	219 CHL	
Ay 105	1-5-3	Optical Astronomy Instrumentation Lab	01	Hallinan, G	TR 13:00 - 15:55	211 CHL	
Ay/Ge 107	1-1-7	Introduction to Astronomical Observation <i>Field Trip: tba // maximum enrollment: 22 students</i>	01	Hillenbrand, L / de Kleer, K	WF 11:00 - 11:55	251 ARM	
					TR 19:00 - 21:55	Roof CHL	
Ay 119	3-0-3	Astroinformatics	01	Lombeyda, S / Djorgovski, S / Graham, M / Mahabal, A	OM,A	A	
Ay 122C	3-0-6	Astronomical Measurements and Instrumentation	01	Kulkarni, S	MWF 13:00 - 13:55	219 CHL	
Ay 125	3-0-6	High-Energy Astrophysics	01	Fuller, J	TR 10:30 - 11:55	219 CHL	
Ay 126	3-0-6	Interstellar and Intergalactic Medium	01	Steidel, C	TR 14:30 - 15:55	219 CHL	
Ay 141C	1-0-1	Research Conference in Astronomy	01	Hallinan, G	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Ravi, V	A	A	P
			02	Blake, G	A	A	P
			03	Stevenson, D	A	A	P
			04	Brown, M	A	A	P
			05	Harrison, F	A	A	P
			06	Djorgovski, S	A	A	P
			07	Readhead, A	A	A	P
			08	Golwala, S	A	A	P
			09	Hillenbrand, L	A	A	P
			10	El-Badry, K	A	A	P

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ASTROPHYSICS							
Ay 142	+	Research in Astronomy and Astrophysics	11	Kulkarni, S	A	A	P
			12	Martin, C	A	A	P
			13	Zmuidzinas, J	A	A	P
			14	Hallinan, G	A	A	P
			15	Prince, T	A	A	P
			16	Mawet, D	A	A	P
			19	Sargent, A	A	A	P
			20	Hopkins, P	A	A	P
			21	Dore, O	A	A	P
			22	Scoville, N	A	A	P
			23	Steidel, C	A	A	P
			24	Phinney, E	A	A	P
			26	Soifer, B	A	A	P
			27	Knutson, H	A	A	P
			28	Kasliwal, M	A	A	P
			31	Batygin, K	A	A	P
			32	Bock, J	A	A	P
			33	Fuller, J	A	A	P
			34	Howard, A	A	A	P
35	El-Badry, K	A	A	P			
36	Ehlmann, B	A	A	P			
37	Most, E	A	A	P			
Ay 143	+	Reading and Independent Study	01	Steidel, C	A	A	P
			02	El-Badry, K	A	A	P
			03	Kulkarni, S	A	A	P
			04	Hopkins, P	A	A	P
			05	Batygin, K	A	A	P
			06	Brown, M	A	A	P
			07	Blake, G	A	A	P
			08	Knutson, H	A	A	P
			09	Djorgovski, S / Graham, M / Mahabal, A / Lombeyda, S	A	A	P

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ASTROPHYSICS							
Ay 143	+	Reading and Independent Study	10	El-Badry, K	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
			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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ASTROPHYSICS							
Ay/Ge 198	2-0-4	Special Topics in the Planetary Sciences	01	Mawet, D / Howard, A	M 10:00 - 11:55	219 CHL	
BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
Bi/BE/BMB 115	3-2-4	Viruses and Applications to Biological Systems	01	Bjorkman, P / Gradinaru, V / Van Valen, D	TR 10:30 - 11:55	100 CNRB	
Bi/BMB 189	2-0-4	The Cell Cycle and Genomic Stability	01	Dunphy, W	R 14:30 - 16:25	203 BRN	
BMB/Ch 202C	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 12:00 - 12:55	101 SCH	P
Bi/BE/BMB 222	2-0-4	The Structure of the Cytosol	01	Kennedy, M	M 16:00 - 17:55	B101 BBB	
Bi/BMB 251C	1-0-0	Current Research in Biology and Biological Engineering	01	Sternberg, P / Hay, B	W 12:00 - 12:55	125 KRK	P
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Deshaies, R	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			08	Campbell, J	A	A	P
			09	Goddard, W	A	A	P
			10	Kennedy, M	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Tirrell, D	A	A	P
			13	Parker, C	A	A	P
			14	Greer, J	A	A	P
			16	Chan, D	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P
			19	Shan, S	A	A	P
			21	Elowitz, M	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	22	Ismagilov, R	A	A	P
			24	Meyerowitz, E	A	A	P
			25	Hay, B	A	A	P
			26	Wold, B	A	A	P
			27	Davis, M	A	A	P
			28	Phillips, R	A	A	P
			30	Clemons, W	A	A	P
			31	Leadbetter, J	A	A	P
			32	Murray, R	A	A	P
			33	Mazmanian, S	A	A	P
			35	Wang, Z	A	A	P
			36	Gharib, M	A	A	P
			37	Rothenberg, E	A	A	P
			38	Lester, H	A	A	P
			39	Pierce, N	A	A	P
			40	Sternberg, P	A	A	P
			41	Roukes, M	A	A	P
			42	Gray, H	A	A	P
			43	Shapiro, M	A	A	P
			44	Newman, D	A	A	P
			45	Cai, L	A	A	P
			46	Varshavsky, A	A	A	P
			47	Hoelz, A	A	A	P
			48	Goentoro, L	A	A	P
			49	Guttman, M	A	A	P
			50	Meister, M	A	A	P
			51	Zinn, K	A	A	P
			52	Chou, T	A	A	P
			53	Dunphy, W	A	A	P
			54	Wagenaar, D	A	A	P
			55	Voorhees, R	A	A	P
			56	Pachter, L	A	A	P
			57	Parker, J	A	A	P

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	58	Semlow, D	A	A	P
			59	Thomson, M	A	A	P
			60	Chong, S	A	A	P
			61	Nelson, H	A	A	P
			62	Zakem, E	A	A	P
			63	Wang, K	A	A	P
			64	Stathopoulos, A	A	A	P
			65	Chen, Z	A	A	P
BIOENGINEERING							
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers <i>maximum enrollment: 12 students // open to seniors only</i>	01	Hoy, J	MW 10:30 - 11:55	152 BRN	
BE 098	+	Undergraduate Research in Bioengineering <i>If your research adviser does not appear below, please contact the Office of the Registrar.</i>	01	Arnold, F	A	A	P
			02	Mazmanian, S	A	A	P
			03	Burdick, J	A	A	P
			04	Sternberg, P	A	A	P
			05	Kennedy, M	A	A	P
			06	Gradinaru, V	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Aravin, A	A	A	P
			10	Lester, H	A	A	P
			11	Shimojo, S	A	A	P
			12	Pierce, N	A	A	P
			13	Shapiro, M	A	A	P
			14	Shan, S	A	A	P
			15	Qian, L	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

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BIOENGINEERING							
BE 098	+	Undergraduate Research in Bioengineering <i>If your research adviser does not appear below, please contact the Office of the Registrar.</i>	20	Yang, C	A	A	P
			21	Mayo, S	A	A	P
			22	Chou, T	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Wang, K	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfrey, E	A	A	P
			28	Guttman, M	A	A	P
			29	Oka, Y	A	A	P
			30	Kornfield, J	A	A	P
			31	Baltimore, D	A	A	P
			32	Goentoro, L	A	A	P
			33	Hay, B	A	A	P
			34	Beauchamp, J	A	A	P
			35	Bjorkman, P	A	A	P
			36	Adolphs, R	A	A	P
			37	Ismagilov, R	A	A	P
			38	Dickinson, M	A	A	P
			39	Pachter, L	A	A	P
40	Thomson, M	A	A	P			
41	Hong, E	A	A	P			
42	Bronner Hansen, M	A	A	P			
43	Daraio, C	A	A	P			
44	Prober, D	A	A	P			
45	Meyerowitz, E	A	A	P			
46	Wang, L	A	A	P			
47	Wang, L	A	A	P			
BE 099A	+	Senior Thesis in Bioengineering	01	Shapiro, M	A	A	P
			02	Shimojo, S	A	A	P
			03	Bjorkman, P	A	A	P
			04	Wang, L	A	A	P
			05	Arnold, F	A	A	P

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BIOENGINEERING							
BE 099C	+	Senior Thesis in Bioengineering	01	Elowitz, M	A	A	G
			02	Murray, R	A	A	G
			03	Gradinaru, V	A	A	G
			04	Winfrey, E	A	A	G
			05	Shapiro, M	A	A	G
			06	Daraio, C	A	A	G
			07	Prober, D	A	A	G
			08	Pierce, N	A	A	G
			09	Bjorkman, P	A	A	G
			10	Shimojo, S	A	A	G
			11	Arnold, F	A	A	G
			12	Wang, L	A	A	G
BE 111	3-0-6	Making Life: Genome Synthesis from Elements	01	Wang, K	TR 14:30 - 15:55	130 CNRB	
Bi/BE/BMB 115	3-2-4	Viruses and Applications to Biological Systems	01	Bjorkman, P / Gradinaru, V / Van Valen, D	TR 10:30 - 11:55	100 CNRB	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	387 LINDE	
Ge/Bi/BE/CNS/ESE 14	6-0-0	Challenges and Opportunities in Quantitative Ecology	01	Fischer, W / Tejada Lara, J	M 15:00 - 15:55	254 SMD	P
BE 150	3-0-6	Biological Circuit Design <i>taught concurrently with Bi 250b // class will meet in BRD 100 on May 31st</i>	01	Bois, J / Elowitz, M	MWF 11:00 - 11:55	100 CNRB	
BE 153	3-0-6	Case Studies in Systems Physiology	01	Petrasek, D	TR 14:30 - 15:55	200 BRD	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 20 students // contact instructor if class is full // Enrollment is limited based on laboratory capacity</i>	01	Yang, C	TR 14:30 - 15:55	B127 KRK	
BE/EE/MedE 189B	0-9-0	Design and Construction of Biodevices	01	Yang, C	TR 14:30 - 15:55	B127 KRK	

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BIOENGINEERING							
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation <i>class cancelled</i>	01	Winfree, E	A	A	
BE/CS 196B	2-4-3	Design and Construction of Programmable Molecular Systems <i>instructor permission required for enrollment</i>	01	Qian, L	T 16:00 - 17:55	111 KCK	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Phillips, R	A	A	P
			03	Burdick, J	A	A	P
			04	Gradinaru, V	A	A	P
			05	Dervan, P	A	A	P
			06	Goentoro, L	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Chong, S	A	A	P
			10	Lester, H	A	A	P
			11	Ismagilov, R	A	A	P
			12	Pierce, N	A	A	P
			13	Meister, M	A	A	P
			14	Guttman, M	A	A	P
			15	Trojan, S	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Rothmund, P	A	A	P
			22	Greer, J	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Goddard, W	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Shapiro, M	A	A	P

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	29	Cai, L	A	A	P
			30	Sternberg, P	A	A	P
			31	Kornfield, J	A	A	P
			32	Andersen, R	A	A	P
			33	Qian, L	A	A	P
			34	Hong, E	A	A	P
			35	Mayo, S	A	A	P
			36	Dickinson, M	A	A	P
			37	Pachter, L	A	A	P
			38	Mazmanian, S	A	A	P
			39	Bjorkman, P	A	A	P
			40	Parker, J	A	A	P
			41	Greer, J	A	A	P
			42	Wang, K	A	A	P
			43	Thomson, M	A	A	P
			44	Meyerowitz, E	A	A	P
			45	Chan, D	A	A	P
			46	Newman, D	A	A	P
			47	Rutishauser, U	A	A	P
			48	Clemons, W	A	A	P
			49	Lois, C	A	A	P
			50	Fejes Toth, K	A	A	P
			51	Rothenberg, E	A	A	P
			52	Wold, B	A	A	P
			53	Van Valen, D	A	A	P
			54	Daraio, C	A	A	P
			55	Demirer, G	A	A	P
			56	Shimojo, S	A	A	P
			57	Wang, L	A	A	P
			58	Hoffmann, F	A	A	P
			59	Orphan, V	A	A	P
			60	Andersen, R	A	A	P
			61	Chung, S	A	A	P

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BIOENGINEERING							
Bi/BE/BMB 222	2-0-4	The Structure of the Cytosol	01	Kennedy, M	M 16:00 - 17:55	B101 BBB	
Bi/BE/CNS/NB 241	1-8-0	Spatial Genomics <i>maximum enrollment: 6 students</i>	01	Cai, L	M 11:00 - 11:55	B115 CNRB	
BIOLOGY							
Bi 001	4-0-5	The Great Ideas of Biology <i>maximum enrollment: 33 students per section // May be taken pass/fail if taken in a first-year student's first year.</i>	01	Phillips, R	TR 13:00 - 14:25 M 09:00 - 09:55	100 CNRB 100 CNRB	
			02	Phillips, R	TR 13:00 - 14:25 M 17:00 - 17:55	100 CNRB 100 CNRB	
			03	Phillips, R	TR 13:00 - 14:25 T 12:00 - 12:55	100 CNRB 100 CNRB	
			04	Phillips, R	TR 13:00 - 14:25 T 17:00 - 17:55	100 CNRB 100 CNRB	
			05	Phillips, R	TR 13:00 - 14:25 T 18:00 - 18:55	100 CNRB 100 CNRB	
			06	Phillips, R	TR 13:00 - 14:25 W 09:00 - 09:55	100 CNRB 100 CNRB	
			07	Phillips, R	TR 13:00 - 14:25 W 17:00 - 17:55	100 CNRB 100 CNRB	
Bi 001B	3-0-6	The Biomechanics of Organismal Design <i>open by application only // apply by Feb 16th at https://registrar.caltech.edu/Bi1_SP2023-24 // may be taken pass/fail if taken in a first-year student's first year.</i>	01	Dickinson, M / Ros, I	TWF 13:00 - 13:55	B270 MRE	
Bi 001X	0-6-3	The Great Ideas of Biology: Exploration through Experimentation <i>open by application only // apply by Feb 16th at https://registrar.caltech.edu/Bi1_SP2023-24 // maximum enrollment: 24 students // May be taken pass/fail if taken in a first-year student's first year.</i>	01	Bois, J	TR 13:00 - 15:55	B126 KRK	

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BIOLOGY							
Bi 009	3-0-6	Cell Biology	01	Prober, D / Varshavsky, A	TR 09:00 - 10:25 F 09:00 - 09:55	100 - Rock Auditorium BRD 100 - Rock Auditorium BRD	
Bi 010	1-3-2	Introductory Biology Laboratory <i>maximum enrollment: 10 students per section // section 2 cancelled</i>	01	Goentoro, L	M 11:00 - 11:55 T 13:00 - 15:55	101 KRK 347 KRK	
			02	Staff	A	A	
Bi 021	+	Undergraduate Research with Presentation <i>minimum 12 units per term</i>	01	Dunphy, W	A	A	P
			02	Arnold, F	A	A	P
Bi 022	+	Undergraduate Research	01	Shan, S	A	A	P
			02	Bronner Hansen, M	A	A	P
			03	Van Valen, D	A	A	P
			04	Varshavsky, A	A	A	P
			05	Arnold, F	A	A	P
			06	Stathopoulos, A	A	A	P
			07	Zinn, K	A	A	P
			08	Bronner Hansen, M	A	A	P
			09	Mazmanian, S	A	A	P
			11	Newman, D	A	A	P
			12	Chan, D	A	A	P
			13	Leadbetter, J	A	A	P
			14	Tirrell, D	A	A	P
			16	Orphan, V	A	A	P
			18	Deshaies, R	A	A	P
			19	Kennedy, M	A	A	P
			20	Shimojo, S	A	A	P
			21	Adolphs, R	A	A	P
			22	Lester, H	A	A	P
			23	Prober, D	A	A	P
			24	Gradinaru, V	A	A	P
			25	Allman, J	A	A	P
			26	Wold, B	A	A	P
			28	Meyerowitz, E	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	29	Shapiro, M	A	A	P
			30	Hong, E	A	A	P
			31	Rees, D	A	A	P
			32	Aravin, A	A	A	P
			33	Bjorkman, P	A	A	P
			35	Meister, M	A	A	P
			36	Baltimore, D	A	A	P
			37	Wang, K	A	A	P
			38	Campbell, J	A	A	P
			39	Parker, C	A	A	P
			40	Winfrey, E	A	A	P
			42	Andersen, R	A	A	P
			43	Hay, B	A	A	P
			44	Demirer, G	A	A	P
			45	Goddard, W	A	A	P
			46	Elowitz, M	A	A	P
			47	Anderson, D	A	A	P
			48	Stathopoulos, A	A	A	P
			49	Rothenberg, E	A	A	P
			50	Sternberg, P	A	A	P
			51	Cai, L	A	A	P
			55	Sternberg, P	A	A	P
			56	Phillips, R	A	A	P
			57	Clemons, W	A	A	P
			58	Oka, Y	A	A	P
			59	Dickinson, M	A	A	P
			60	Lois, C	A	A	P
			62	Pachter, L	A	A	P
			63	Guttman, M	A	A	P
			64	Glover, D	A	A	P
			65	Parker, J	A	A	P
			66	Dunphy, W	A	A	P
			67	Zernicka-Goetz, M	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	68	Siapas, A	A	A	P
			69	McFall-Ngai, M	A	A	P
			70	Prober, D	A	A	P
			71	Goentoro, L	A	A	P
			72	Semlow, D	A	A	P
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers <i>maximum enrollment: 12 students // open to seniors only</i>	01	Hoy, J	MW 10:30 - 11:55	152 BRN	
Bi 090C	+	Undergraduate Thesis	01	Kennedy, M / Hong, E	A	A	P
			02	Kennedy, M / Siapas, A	A	A	P
			03	Kennedy, M / Sternberg, P	A	A	P
			05	Kennedy, M / Davis, M	A	A	P
			06	Kennedy, M / Bjorkman, P	A	A	P
			07	Kennedy, M / Aravin, A	A	A	P
			08	Kennedy, M / Doyle, J	A	A	P
			09	Kennedy, M / Newman, D	A	A	P
			10	Kennedy, M / Baltimore, D	A	A	P
			11	Kennedy, M / Rothenberg, E	A	A	P
			12	Wold, B / Kennedy, M	A	A	P
			13	Kennedy, M / Gradinaru, V	A	A	P
			14	Kennedy, M / Newman, D	A	A	P
			15	Kennedy, M / Hsieh-Wilson, L	A	A	P
			16	Lester, H / Kennedy, M	A	A	P
			17	Kennedy, M / Clemons, W	A	A	P
			18	Kennedy, M / Guttman, M	A	A	P

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BIOLOGY							
Bi 090C	+	Undergraduate Thesis	19	Kennedy, M / Zernicka-Goetz, M	A	A	P
Ch/Bi 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C / Semlow, D	W 14:00 - 15:55 TR 11:00 - 11:55	320 BRN 320 BRN	
Bi/BE/BMB 115	3-2-4	Viruses and Applications to Biological Systems	01	Bjorkman, P / Gradinaru, V / Van Valen, D	TR 10:30 - 11:55	100 CNRB	
Ge/Bi/BE/CNS/ESE 14	6-0-0	Challenges and Opportunities in Quantitative Ecology	01	Fischer, W / Tejada Lara, J	M 15:00 - 15:55	254 SMD	P
NB/Bi/CNS 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	R 14:00 - 14:55 MWF 10:00 - 10:55	101 KRK 130 CNRB	G
			02	Lester, H / Adolphs, R	MWF 10:00 - 10:55 R 11:00 - 11:55	130 CNRB 152 BRN	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 20:00 - 20:55	130 CNRB 101 KRK	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	130 CNRB 101 KRK	G
NB/Bi/CNS 154	3-0-6	Principles of Neuroscience	01	Meister, M	TR 13:00 - 14:25	B101 BBB	
NB/Bi/CNS 157	2-3-4	Comparative Nervous Systems <i>class full, see instructor for waitlist // class will meet in BRD 200 for inclement weather</i>	01	Allman, J	F 14:00 - 15:55	Courtyard ALLES	G
Bi/BMB 189	2-0-4	The Cell Cycle and Genomic Stability	01	Dunphy, W	R 14:30 - 16:25	203 BRN	
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation <i>class cancelled</i>	01	Winfree, E	A	A	
NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function <i>class cancelled</i>	01	Anderson, D	A	A	
Bi/BE/BMB 222	2-0-4	The Structure of the Cytosol	01	Kennedy, M	M 16:00 - 17:55	B101 BBB	

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BIOLOGY							
Bi/BE/CNS/NB 241	1-8-0	Spatial Genomics <i>maximum enrollment: 6 students</i>	01	Cai, L	M 11:00 - 11:55	B115 CNRB	
Bi 250B	3-0-6	Topics in Systems Biology <i>taught concurrently with BE 150 // class will meet in BRD 100 on May 31st</i>	01	Elowitz, M / Bois, J	MWF 11:00 - 11:55	100 CNRB	
NB/Bi/CNS 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	130 CNRB	
Bi/BMB 251C	1-0-0	Current Research in Biology and Biological Engineering	01	Sternberg, P / Hay, B	W 12:00 - 12:55	125 KRK	P
Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i>	01	Mobbs, D	W 10:00 - 12:55	B119 BAX	
CNS/Bi/NB 256	2-0-4	Brain-machine Interfaces	01	Andersen, R	MW 13:00 - 13:55	330 BBB	
Bi 299	+	Graduate Research	01	Stathopoulos, A	A	A	P
			02	Baltimore, D	A	A	P
			03	Allman, J	A	A	P
			04	Andersen, R	A	A	P
			05	Anderson, D	A	A	P
			06	Mazmanian, S	A	A	P
			07	Clemons, W	A	A	P
			08	Elowitz, M	A	A	P
			09	Thomson, M	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Campbell, J	A	A	P
			13	Chan, D	A	A	P
			14	Chong, S	A	A	P
			15	Deshaies, R	A	A	P
			16	Dickinson, M	A	A	P
			17	O'Doherty, J	A	A	P
			18	Dunphy, W	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	20	Goddard, W	A	A	P
			21	Hay, B	A	A	P
			22	Kennedy, M	A	A	P
			23	Qian, L	A	A	P
			24	Pierce, N	A	A	P
			25	Burdick, J	A	A	P
			26	Tsao, D	A	A	P
			27	Orphan, V	A	A	P
			28	Mayo, S	A	A	P
			29	Meyerowitz, E	A	A	P
			30	Newman, D	A	A	P
			32	Lois, C	A	A	P
			34	Prober, D	A	A	P
			35	Varshavsky, A	A	A	P
			36	Kirschvink, J	A	A	P
			37	Rothenberg, E	A	A	P
			38	Shapiro, M	A	A	P
			39	Shimojo, S	A	A	P
			40	Lester, H	A	A	P
			41	Sternberg, P	A	A	P
			42	Dougherty, D	A	A	P
			43	Shan, S	A	A	P
			44	Winfree, E	A	A	P
			45	Wold, B	A	A	P
			46	Zinn, K	A	A	P
			47	Burdick, J	A	A	P
			49	Leadbetter, J	A	A	P
			50	Elowitz, M	A	A	P
			51	Adolphs, R	A	A	P
			52	Cai, L	A	A	P
			53	Siapas, A	A	A	P
			54	Gharib, M	A	A	P
			55	Hsieh-Wilson, L	A	A	P

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BIOLOGY							
Bi 299	+	Graduate Research	56	Aravin, A	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Tai, Y	A	A	P
			59	Murray, R	A	A	P
			60	Meister, M	A	A	P
			61	Arnold, F	A	A	P
			62	Gradinaru, V	A	A	P
			63	Scherer, A	A	A	P
			64	Guttman, M	A	A	P
			65	Goentoro, L	A	A	P
			66	Guttman, M	A	A	P
			67	Oka, Y	A	A	P
			69	Ismagilov, R	A	A	P
			70	Hong, E	A	A	P
			71	Phillips, R	A	A	P
			72	Roukes, M	A	A	P
			73	Doyle, J	A	A	P
			74	Pachter, L	A	A	P
			75	Parker, J	A	A	P
			76	Voorhees, R	A	A	P
			77	Van Valen, D	A	A	P
			78	Wang, K	A	A	P
			79	de Kleer, K	A	A	P
			80	Zernicka-Goetz, M	A	A	P
			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
85	Fischer, W	A	A	P			
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to</i>	01	Sinclair, A	A	A	P
			02	Winston, K	A	A	P

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BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM101	0-0-0	Selected Topics in Business Economics and Management: Economics of Sustainable Development	01	Singh, J	TR 14:30 - 15:55	121 BCK	G
BEM104	3-0-6	Investments	01	Cvitanic, J	TR 09:00 - 10:25	125 BAX	
BEM106	3-0-6	Data Science in Economics	01	Janas, P	TR 13:00 - 14:25	Lecture Hall BAX	
BEM114	3-0-6	Hedge Funds <i>maximum enrollment: 40 students</i>	01	Sinclair, A	MW 13:00 - 14:25	B125 BAX	G
BEM/Ec/ESE 119	3-0-6	Environmental Economics <i>maximum enrollment: 45 students</i>	01	Druckenmiller, H	TR 10:30 - 11:55	155 ARM	G
CHEMICAL ENGINEERING							
Ch/ChE 009	1-6-2	Chemical Synthesis and Characterization for Chemical Engineering <i>open by lottery only, see REGIS home page to enter before 8am February 21st // Ch and ChE students have priority // Maximum enrollment: 4 students</i>	01	Mendez, J	F 15:00 - 15:55 TR 13:00 - 15:55	B122 GCL 130 CHR	
ChE062	3-0-6	Separation Processes	01	Dingilian, K	MWF 14:00 - 14:55	102 SPL	G
ChE070	1.5-0-1.5	Special Topics in Chemical Engineering: ChemE Car	01	Vicic, M	OM,T 12:00 - 12:55	122 SPL	P
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			03	Davis, M	A	A	P
			04	Giapis, K	A	A	P
			05	Lewis, N	A	A	P
			07	Shapiro, M	A	A	P
			08	Brady, J	A	A	P
			09	Atwater, H	A	A	P
			10	Goddard, W	A	A	P

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CHEMICAL ENGINEERING							
ChE080	+	Undergraduate Research	11	Faber, K	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			15	Hoelz, A	A	A	P
			16	Greer, J	A	A	P
			20	Kornfield, J	A	A	P
			21	Agapie, T	A	A	P
			34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			37	Ismagilov, R	A	A	P
			38	Daraio, C	A	A	P
			39	Hadt, R	A	A	P
			40	Manthiram, K	A	A	P
			41	Demirer, G	A	A	P
ChE090A	+	Undergraduate Thesis	01	Shapiro, M	A	A	P
ChE090B	0-4-5	Undergraduate Thesis	01	Dickinson, M	A	A	
			02	Giapis, K	A	A	
			03	Seinfeld, J	A	A	
			04	Tirrell, D	A	A	
			06	Flagan, R	A	A	
			08	Davis, M	A	A	
			10	Arnold, F	A	A	
			11	Brady, J	A	A	
			12	Kornfield, J	A	A	
			13	Greer, J	A	A	
			14	Lewis, N	A	A	
			16	Mayo, S	A	A	
			17	Fu, G	A	A	
			18	Wang, Z	A	A	
19	Cai, L	A	A				
20	Atwater, H	A	A				

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CHEMICAL ENGINEERING							
ChE090B	0-4-5	Undergraduate Thesis	21	Ismagilov, R	A	A	
			22	Cai, L / Arnold, F	A	A	
ChE090C	+	Undergraduate Thesis	01	Giapis, K	A	A	P
			02	Tirrell, D	A	A	P
			03	Kornfield, J	A	A	P
			04	Cai, L / Arnold, F	A	A	P
			05	Lewis, N	A	A	P
			06	Flagan, R	A	A	P
			07	Mayo, S	A	A	P
			08	Ismagilov, R	A	A	P
			09	Seinfeld, J	A	A	P
			10	Wang, Z	A	A	P
			11	Greer, J	A	A	P
			12	Atwater, H	A	A	P
			13	Clemons, W	A	A	P
			14	Hoelz, A	A	A	P
			15	Shapiro, M	A	A	P
			16	See, K	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Weitekamp, D	M 14:00 - 15:55	101 SCH	G
ChE103C	3-0-6	Transport Phenomena	01	Manthiram, K	MW 09:30 - 10:55	B122 GCL	
ChE105	3-0-6	Dynamics and Control of Chemical Systems <i>taught concurrently with CDS110</i>	01	Murray, R	MWF 14:00 - 14:55	106 SPL	
ChE120	0-6-3	Optimal Design of Chemical Systems <i>If unable to register, please contact instructor.</i>	01	Vicic, M	OM,T 12:00 - 12:55	122 SPL	
ChE130	0-6-3	Biomolecular Engineering Laboratory <i>Maximum enrollment: 8 students // If unable to register, please contact instructor.</i>	01	Vicic, M / Demirer, G	MF 13:00 - 15:55 W 13:00 - 13:55	B126 KRK 102 SPL	
ChE142	1-0-8	Challenges in Data Science for Chemical Systems	01	Vicic, M	OM,W 12:00 - 12:55	102 SPL	

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CHEMICAL ENGINEERING							
ChE151B	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 09:00 - 09:55	106 SPL	G
ChE/Ch 155	3-0-6	Chemistry of Catalysis <i>2024 class in development with limited enrollment; class full. 2025 onward offered annually.</i>	01	Manthiram, K	A	A	
ESE/ChE 158	3-0-6	Aerosol Physics and Chemistry	01	Flagan, R	TR 10:30 - 11:55	106 SPL	
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Murray, R	A	A	P
			03	Atwater, H	A	A	P
			04	Mayo, S	A	A	P
			05	Pierce, N	A	A	P
			06	Troian, S	A	A	P
			07	Brady, J	A	A	P
			08	Stoltz, B	A	A	P
			09	Ismagilov, R	A	A	P
			10	Davis, M	A	A	P
			11	Greer, J	A	A	P
			12	Dougherty, D	A	A	P
			13	Flagan, R	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	Fultz, B	A	A	P
			20	Guttman, M	A	A	P
			21	Kornfield, J	A	A	P
			23	Lewis, N	A	A	P
			24	Shapiro, M	A	A	P
			25	Elowitz, M	A	A	P
			26	Hoffmann, M	A	A	P
			27	See, K	A	A	P

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	28	Robb, M	A	A	P
			29	Parker, C	A	A	P
			30	Wei, L	A	A	P
			31	Chan, G	A	A	P
			32	Pachter, L	A	A	P
			33	Wang, K	A	A	P
			34	Hadt, R	A	A	P
			36	Tirrell, D	A	A	P
			37	Wang, Z	A	A	P
			40	Seinfeld, J	A	A	P
			41	Yung, Y	A	A	P
			43	Agapie, T	A	A	P
			44	Gao, W	A	A	P
			45	Manthiram, K	A	A	P
			46	Demirer, G	A	A	P
			47	Schneider, T	A	A	P
			48	Wennberg, P	A	A	P
49	Karthikeyan, S	A	A	P			
50	Peters, J	A	A	P			
51	Minnich, A	A	A	P			
CHEMISTRY							
Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>open by lottery only, see REGIS home page to enter before 8am February 21st // Ch and ChE students have priority // Maximum enrollment: 10 students</i>	01	Mendez, J	F 13:00 - 13:55 T 19:00 - 21:55 OM,M 13:00 - 13:55	B122 GCL 130 CHR B122 GCL	P
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Open by lottery only, see REGIS home page to enter before 8am, Feb 21 // Max enroll: 24 students per sec // Students entering 2020 and before must take Ch 3 in their 1st 9 terms in</i>	01	Mendez, J	F 09:00 - 09:55 T 08:00 - 10:55 OM,M 09:00 - 09:55	B122 GCL B157 CRL B122 GCL	P
			02	Mendez, J	F 09:00 - 09:55 T 13:00 - 15:55	B122 GCL B157 CRL	P

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CHEMISTRY							
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Open by lottery only, see REGIS home page to enter before 8am, Feb 21 // Max enroll: 24 students per sec // Students entering 2020 and before must take Ch 3 in their 1st 9 terms in order to be graded p/f. Frosh entering 2021 must take Ch 3 in their 1st 6 terms in order to be graded p/f</i>	02	Mendez, J	OM,M 09:00 - 09:55	B122 GCL	P
			03	Mendez, J	F 09:00 - 09:55	B122 GCL	P
					T 19:00 - 21:55	B157 CRL	
			04	Mendez, J	OM,M 09:00 - 09:55	B122 GCL	P
			05	Mendez, J	F 09:00 - 09:55	B122 GCL	P
		W 13:00 - 15:55	B157 CRL				
		OM,M 09:00 - 09:55	B122 GCL				
		F 09:00 - 09:55	B122 GCL	P			
		R 08:00 - 10:55	B157 CRL				
		OM,M 09:00 - 09:55	B122 GCL				
Ch 004B	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>open by lottery only, see REGIS home page to enter before 8am February 21st // maximum enrollment: 4 students</i>	01	Mendez, J	M 14:00 - 14:55 TR 13:00 - 15:55	A 130 CHR	
Ch 007	1-6-2	Advanced Experimental Methods in Bioorganic Chemistry <i>Students only need attend two lab sections per week.</i>	01	Hsieh-Wilson, L	WF 13:00 - 15:55 M 13:00 - 13:55 M 14:00 - 16:55	130 CHR 151 CRL 130 CHR	
Ch/ChE 009	1-6-2	Chemical Synthesis and Characterization for Chemical Engineering <i>open by lottery only, see REGIS home page to enter before 8am February 21st // Ch and ChE students have priority // Maximum enrollment: 4 students</i>	01	Mendez, J	F 15:00 - 15:55 TR 13:00 - 15:55	B122 GCL 130 CHR	
Ch 010C	1-4-1	Frontiers in Chemistry <i>Must have instructor's permission prior to registering for course // open to freshmen and sophomores only</i>	01	Hoelz, A	R 12:00 - 12:55	147 NYS	P
Ch 014	3-0-6	Chemical Equilibrium and Analysis	01	Rees, D	TR 09:00 - 10:25	147 NYS	
Ch 021C	3-0-6	Physical Chemistry <i>class will meet in 151 Crellin on 4/22</i>	01	Okumura, M / Blake, G	MWF 10:00 - 10:55	B204 NYS	G

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CHEMISTRY							
Ch 041C	4-0-5	Organic Chemistry	01	Reisman, S	MWF 09:00 - 09:55	153 NYS	
					W 20:00 - 20:55	151 CRL	
			02	Reisman, S	MWF 09:00 - 09:55	153 NYS	
					R 15:00 - 15:55	151 CRL	
		03	Reisman, S	MWF 09:00 - 09:55	153 NYS		
					R 20:00 - 20:55	151 CRL	
Ch 080	+	Chemical Research	01	Arnold, F	A	A	P
			02	Dervan, P	A	A	P
			03	Hsieh-Wilson, L	A	A	P
			04	Beauchamp, J	A	A	P
			05	Chan, G	A	A	P
			06	Clemons, W	A	A	P
			07	Reisman, S	A	A	P
			08	Campbell, J	A	A	P
			09	Shan, S	A	A	P
			10	Rees, D	A	A	P
			12	Agapie, T	A	A	P
			13	Davis, M	A	A	P
			14	Asimow, P	A	A	P
			15	Dougherty, D	A	A	P
			16	Goddard, W	A	A	P
			17	Gray, H	A	A	P
			18	Shapiro, M	A	A	P
			19	Shapiro, M	A	A	P
			20	Kornfield, J	A	A	P
			21	Yue, Y	A	A	P
			22	Fu, G	A	A	P
			23	Rossmann, G	A	A	P
			24	Katz, N	A	A	P
			25	Virgil, S	A	A	P
			26	Gao, W	A	A	P
			27	Okumura, M	A	A	P
			28	See, K	A	A	P

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CHEMISTRY							
Ch 080	+	Chemical Research	29	Peters, J	A	A	P
			30	Blake, G	A	A	P
			32	Wei, L	A	A	P
			33	Hoffmann, M	A	A	P
			34	Greer, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			38	Lewis, N	A	A	P
			39	Barton, J	A	A	P
			40	Hoelz, A	A	A	P
			41	Eiler, J	A	A	P
			42	Rossman, G	A	A	P
			43	Blake, G	A	A	P
			44	Cushing, S	A	A	P
			46	Robb, M	A	A	P
			47	Hadt, R	A	A	P
			48	See, K	A	A	P
			49	Mayo, S	A	A	P
50	Chandrasekaran, V	A	A	P			
51	Demirer, G	A	A	P			
Ch 081	+	Independent Reading in Chemistry	01	Stoltz, B	A	A	P
			02	Lewis, N	A	A	P
			03	Chandy, K	A	A	P
			04	Peters, J	A	A	P
			05	Adolphs, R	A	A	P
			06	Agapie, T	A	A	P
			17	Gray, H	A	A	P
			18	Robb, M	A	A	P
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01	Rees, D / Okumura, M	A	A	P
			02	Okumura, M / Hoelz, A	A	A	P
			04	Gray, H / Okumura, M	A	A	P
			05	Okumura, M / Agapie, T	A	A	P
			06	Peters, J / Okumura, M	A	A	P

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CHEMISTRY										
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	07	Stoltz, B / Okumura, M	A	A	P			
			08	Tirrell, D / Okumura, M	A	A	P			
			09	Okumura, M / Asimow, P	A	A	P			
			10	Okumura, M / Reisman, S	A	A	P			
			11	Rossmann, G / Okumura, M	A	A	P			
			12	Dougherty, D / Okumura, M	A	A	P			
			13	Goddard, W / Okumura, M	A	A	P			
			14	Hsieh-Wilson, L / Okumura, M	A	A	P			
			15	Wei, L / Okumura, M	A	A	P			
			16	Chan, G / Okumura, M	A	A	P			
			17	Arnold, F / Okumura, M	A	A	P			
			18	Hadt, R / Okumura, M	A	A	P			
			19	Okumura, M	A	A	P			
			21	Okumura, M / Clemons, W	A	A	P			
			22	Reisman, S / Okumura, M	A	A	P			
			23	Robb, M / Okumura, M	A	A	P			
			24	Agapie, T / Okumura, M	A	A	P			
			25	Fu, G / Okumura, M	A	A	P			
			26	Newman, D / Okumura, M	A	A	P			
			27	Hoelz, A / Okumura, M	A	A	P			
			28	Mayo, S / Okumura, M	A	A	P			
			Ch/ChE 091	2-0-1	Scientific Writing	01	Weitekamp, D	M 14:00 - 15:55	101 SCH	G
			Ch 101	1-0-2	Chemistry Tutorials: Historical and Novel Applications of Electrochemical Technologies <i>Lecture classes meet in Crellin 151 on 4/4, 4/18, 5/2, 5/16, 5/23, and 5/30 for 1 hour // Lab meet in</i>	01	Stoltz, B / See, K	R 13:00 - 13:55	151 CRL	P
								R 13:00 - 15:55	B157 CRL	

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CHEMISTRY							
Ch 102	4-0-5	Introduction to Inorganic Chemistry <i>class will meet in 151 Crellin on 4/18/24</i>	01	Hadt, R	TR 10:30 - 11:55	147 NYS	
Ch/Bi 111	4-0-8	Biochemistry of Gene Expression	01	Parker, C / Semlow, D	W 14:00 - 15:55 TR 11:00 - 11:55	320 BRN 320 BRN	
Ch 120B	1-1-7	Nature of the Chemical Bond	01	Goddard, W	W 15:00 - 15:55	115 BCK	
Ch 121A	3-0-6	Atomic-Level Simulations of Materials and Molecules	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch 135	3-0-6	Chemical Kinetics and Reaction Dynamics <i>class cancelled</i>	01	Staff	A	A	
Ch 143	3-0-6	NMR Spectroscopy for Structural Identification	01	Virgil, S	MWF 11:00 - 11:55	147 NYS	
ChE/Ch 155	3-0-6	Chemistry of Catalysis <i>2024 class in development with limited enrollment; class full. 2025 onward offered annually.</i>	01	Manthiram, K	A	A	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Wennberg, P	TR 13:00 - 14:25	B122 GCL	
Ch 180	+	Chemical Research	01 02 03	Agapie, T Eiler, J Goddard, W	A A A	A A A	P P P
BMB/Ch 202C	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 12:00 - 12:55	101 SCH	P
Ch 213C	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	G
Ch 226	3-0-6	Optical and Nonlinear Spectroscopy	01	Blake, G / Cushing, S	TR 13:00 - 14:25	101 SCH	
Ch 279	+	Rotations in Chemistry	01 02	Agapie, T Arnold, F	A A	A A	P P

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CHEMISTRY							
Ch 279	+	Rotations in Chemistry	03	Atwater, H	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	Cushing, S	A	A	P
			13	Davis, M	A	A	P
			15	Dougherty, D	A	A	P
			16	Elowitz, M	A	A	P
			17	Fu, G	A	A	P
			18	Goddard, W	A	A	P
			19	Gray, H	A	A	P
			20	Greer, J	A	A	P
			22	Hadt, R	A	A	P
			24	Hoelz, A	A	A	P
			25	Hoffmann, M	A	A	P
			26	Hsieh-Wilson, L	A	A	P
			27	Ismagilov, R	A	A	P
			29	Kornfield, J	A	A	P
			30	Lester, H	A	A	P
			31	Lewis, N	A	A	P
			32	Mayo, S	A	A	P
			34	Newman, D	A	A	P
			35	Okumura, M	A	A	P
			37	Peters, J	A	A	P
			38	Pierce, N	A	A	P
			39	Rees, D	A	A	P
			40	Reisman, S	A	A	P
			41	Robb, M	A	A	P
			43	See, K	A	A	P

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CHEMISTRY										
Ch 279	+	Rotations in Chemistry	44	Seinfeld, J	A	A	P			
			45	Shan, S	A	A	P			
			46	Shapiro, M	A	A	P			
			47	Sternberg, P	A	A	P			
			48	Stoltz, B	A	A	P			
			49	Tirrell, D	A	A	P			
			50	Wang, Z	A	A	P			
			51	Wei, L	A	A	P			
			52	Weitekamp, D	A	A	P			
			53	Wennberg, P	A	A	P			
			54	Manthiram, K	A	A	P			
			55	Nelson, H	A	A	P			
			Ch 280	+	Chemical Research	01	Arnold, F	A	A	P
						02	Agapie, T	A	A	P
03	Demirer, G	A				A	P			
04	Beauchamp, J	A				A	P			
05	Bercaw, J	A				A	P			
06	Blake, G	A				A	P			
07	Shan, S	A				A	P			
08	Bjorkman, P	A				A	P			
09	Cai, L	A				A	P			
10	Davis, M	A				A	P			
12	Dougherty, D	A				A	P			
13	Eiler, J	A				A	P			
14	Chong, S	A				A	P			
15	Giapis, K	A				A	P			
16	Goddard, W	A				A	P			
17	Gray, H	A				A	P			
18	Manthiram, K	A				A	P			
19	Hsieh-Wilson, L	A				A	P			
20	Kornfield, J	A	A	P						
21	Reisman, S	A	A	P						
22	Lewis, N	A	A	P						

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CHEMISTRY							
Ch 280	+	Chemical Research	23	Wang, Z	A	A	P
			24	Marcus, R	A	A	P
			25	Mayo, S	A	A	P
			26	Goentoro, L	A	A	P
			27	Okumura, M	A	A	P
			28	Clemons, W	A	A	P
			29	Peters, J	A	A	P
			30	Rees, D	A	A	P
			31	Ismagilov, R	A	A	P
			32	Hoelz, A	A	A	P
			34	Seinfeld, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Fu, G	A	A	P
			38	Weitekamp, D	A	A	P
			39	Chan, G	A	A	P
			40	Robb, M	A	A	P
			41	Atwater, H	A	A	P
			42	Pierce, N	A	A	P
			43	Hoffmann, M	A	A	P
			45	Sternberg, P	A	A	P
			46	Adkins, J	A	A	P
			47	Lester, H	A	A	P
			48	Wennberg, P	A	A	P
			49	Campbell, J	A	A	P
			50	Hoffmann, M	A	A	P
			51	Wei, L	A	A	P
			52	Tirrell, D	A	A	P
			53	Deshaies, R	A	A	P
			54	Shapiro, M	A	A	P
			56	Newman, D	A	A	P
			57	Greer, J	A	A	P
			58	Blanquart, G	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	60	Yeh, N	A	A	P
			61	Asimow, P	A	A	P
			62	Elowitz, M	A	A	P
			63	See, K	A	A	P
			64	Tai, Y	A	A	P
			65	Cushing, S	A	A	P
			66	Hadt, R	A	A	P
			67	Parker, J	A	A	P
			68	Voorhees, R	A	A	P
			69	Van Valen, D	A	A	P
			70	Faber, K	A	A	P
			71	Semlow, D	A	A	P
			72	Bernardi, M	A	A	P
			73	Nelson, H	A	A	P
			74	Anandkumar, A	A	A	P
			75	Chou, T	A	A	P
			76	Demirer, G	A	A	P
			77	McFall-Ngai, M	A	A	P
			78	Brown, M	A	A	P
79	Wang, K	A	A	P			
CIVIL ENGINEERING							
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	135 GTL	
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Pellegrino, S	TR 09:00 - 10:25	133 GUG	G
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE 151	3-0-6	Dynamics and Vibration	01	Lavrentiadis, G / Asimaki, D	TR 13:00 - 14:25	115 GTL	
CE 200	+	Advanced Work in Civil Engineering	01	Staff	A	A	P

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CIVIL ENGINEERING							
CE 300	+	Research in Civil Engineering	01	Pellegrino, S	A	A	P
			04	Andrade, J	A	A	P
			05	Lapusta, N	A	A	P
			06	Asimaki, D	A	A	P
			07	Daraio, C	A	A	P
			08	Fu, X	A	A	P
COMPUTATION & NEURAL SYS							
Psy/CNS 105A	1.5-0-3.5	Frontiers in Neuroeconomics	01	O'Doherty, J	T 14:30 - 15:55	115 DAB	G
Ge/Bi/BE/CNS/ESE 14	6-0-0	Challenges and Opportunities in Quantitative Ecology	01	Fischer, W / Tejada Lara, J	M 15:00 - 15:55	254 SMD	P
EE/CNS/CS 148	3-0-9	Advanced Topics in Vision: Large Language and Vision Models <i>Students expected to have completed CMS 155 prior to term start.</i>	01	Perona, P / Gkioxari, G	TR 10:30 - 11:55	B270 MRE	
NB/Bi/CNS 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	R 14:00 - 14:55 MWF 10:00 - 10:55	101 KRK 130 CNRB	G
			02	Lester, H / Adolphs, R	MWF 10:00 - 10:55 R 11:00 - 11:55	130 CNRB 152 BRN	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 20:00 - 20:55	130 CNRB 101 KRK	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	130 CNRB 101 KRK	G
NB/Bi/CNS 154	3-0-6	Principles of Neuroscience	01	Meister, M	TR 13:00 - 14:25	B101 BBB	
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	B270 MRE	
NB/Bi/CNS 157	2-3-4	Comparative Nervous Systems <i>class full, see instructor for waitlist // class will meet in BRD 200 for inclement weather</i>	01	Allman, J	F 14:00 - 15:55	Courtyard ALLES	G

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COMPUTATION & NEURAL SYS							
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CNS180	+	Research in Computation and Neural Systems	01	Anandkumar, A	A	A	P
			02	Anderson, D	A	A	P
			03	Pierce, N	A	A	P
			04	Andersen, R	A	A	P
			05	Burdick, J	A	A	P
			06	O'Doherty, J	A	A	P
			07	Tsao, D	A	A	P
			08	Lester, H	A	A	P
			09	Dickinson, M	A	A	P
			10	Elowitz, M	A	A	P
			11	Rutishauser, U	A	A	P
			12	Murray, R	A	A	P
			13	Rutishauser, U	A	A	P
			14	Quartz, S	A	A	P
			15	Perona, P	A	A	P
			16	Allman, J	A	A	P
			17	Murray, R	A	A	P
			18	Shimojo, S	A	A	P
			19	Siapas, A	A	A	P
			20	Shapiro, M	A	A	P
			21	Winfrey, E	A	A	P
			22	Wold, B	A	A	P
			23	Kennedy, M	A	A	P
			24	Adolphs, R	A	A	P
			25	Camerer, C	A	A	P
			26	Rangel, A	A	A	P
			27	Thomson, M	A	A	P
			28	Gradinaru, V	A	A	P
			29	Prober, D	A	A	P
			30	Yue, Y	A	A	P
			31	Meister, M	A	A	P

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COMPUTATION & NEURAL SYS							
CNS180	+	Research in Computation and Neural Systems	32	Hong, E	A	A	P
			33	Ames, A	A	A	P
			34	Pachter, L	A	A	P
			35	Van Valen, D	A	A	P
			37	Mobbs, D	A	A	P
			38	Mazmanian, S	A	A	P
			39	Oka, Y	A	A	P
			40	Lois, C	A	A	P
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation <i>class cancelled</i>	01	Winfree, E	A	A	
NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function <i>class cancelled</i>	01	Anderson, D	A	A	
Bi/BE/CNS/NB 241	1-8-0	Spatial Genomics <i>maximum enrollment: 6 students</i>	01	Cai, L	M 11:00 - 11:55	B115 CNRB	
NB/Bi/CNS 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	130 CNRB	
Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i>	01	Mobbs, D	W 10:00 - 12:55	B119 BAX	
CNS/Bi/NB 256	2-0-4	Brain-machine Interfaces	01	Andersen, R	MW 13:00 - 13:55	330 BBB	
CNS280	+	Research in Computation and Neural Systems	01	Abu-Mostafa, Y	A	A	P
			02	Elowitz, M	A	A	P
			03	Burdick, J	A	A	P
			04	Andersen, R	A	A	P
			05	Bruck, J	A	A	P
			06	Hoffmann, M	A	A	P
			07	Tsao, D	A	A	P
			08	Murray, R	A	A	P
			09	Meister, M	A	A	P
			10	Hong, E	A	A	P
			11	Camerer, C	A	A	P

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COMPUTATION & NEURAL SYS										
CNS280	+	Research in Computation and Neural Systems	12	Perona, P	A	A	P			
			13	Adolphs, R	A	A	P			
			14	Scherer, A	A	A	P			
			15	Shimojo, S	A	A	P			
			16	Siapas, A	A	A	P			
			17	Sternberg, P	A	A	P			
			18	Wold, B	A	A	P			
			19	Winfree, E	A	A	P			
			20	Lester, H	A	A	P			
			21	Dickinson, M	A	A	P			
			22	Quartz, S	A	A	P			
			23	O'Doherty, J	A	A	P			
			24	Allman, J	A	A	P			
			25	Oka, Y	A	A	P			
			26	Rangel, A	A	A	P			
			27	Gradinaru, V	A	A	P			
			28	Lois, C	A	A	P			
			29	Thomson, M	A	A	P			
			30	Mobbs, D	A	A	P			
			31	Rutishauser, U	A	A	P			
			32	Van Valen, D	A	A	P			
			33	Hong, E	A	A	P			
			34	Gkioxari, G	A	A	P			
			35	Parker, J	A	A	P			
			36	Yue, Y	A	A	P			
			37	Ames, A	A	A	P			
			COMPUTER SCIENCE							
			CS 001	3-4-2	Introduction to Computer Programming	01	Hovik, M	MWF 13:00 - 13:55	104 ANB	P
			CS 003	2-6-1	Introduction to Software Design <i>maximum enrollment: 15 students per section // section 5 cancelled</i>	01	Blank, A	MW 13:00 - 13:55	105 ANB	G
						02	Blank, A	T 10:00 - 10:55 MW 13:00 - 13:55	106 ANB 105 ANB	G G

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COMPUTER SCIENCE							
CS 003	2-6-1	Introduction to Software Design <i>maximum enrollment: 15 students per section // section 5 cancelled</i>	02	Blank, A	T 11:00 - 11:55	106 ANB	G
			03	Blank, A	MW 13:00 - 13:55	105 ANB	G
					T 12:00 - 12:55	106 ANB	
			04	Blank, A	MW 13:00 - 13:55	105 ANB	G
					T 13:00 - 13:55	106 ANB	
			05	Blank, A	A	A	G
			06	Blank, A	MW 13:00 - 13:55	105 ANB	G
					T 15:00 - 15:55	106 ANB	
			07	Blank, A	MW 13:00 - 13:55	105 ANB	G
		T 16:00 - 16:55	106 ANB				
			08	Blank, A	MW 13:00 - 13:55	105 ANB	G
					T 17:00 - 17:55	106 ANB	
			09	Blank, A	MW 13:00 - 13:55	105 ANB	G
					T 18:00 - 18:55	106 ANB	
Ma/CS 006C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma 106c</i>	01	Kechris, A	TR 13:00 - 14:25	310 LINDE	
EE/CS 010B	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 15:00 - 15:55	B280 MRE	
CS 011	0-3-0	Computer Language Lab: Rust Track <i>maximum enrollment: 10 students between CS 11 and 111</i>	15	Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
CS 012	+	Student-Taught Topics in Computing <i>Sec 1: cancelled // Sec 2: TensorFlow (3 units)</i>	01	Staff	A	A	P
CS 012	0-0-0	Student-Taught Topics in Computing <i>Sec 1: cancelled // Sec 2: TensorFlow (3 units)</i>	02	Vanier, M	T 20:00 - 20:55	105 ANB	P
CS 038	3-0-6	Algorithms	01	Schroeder, P	TR 09:00 - 10:25	125 KRK	
CS/EE/ME 075C	+	Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2-9-1)</i>	01	Carpenter, K / Chung, S	M 16:00 - 17:55	104 ANB	

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COMPUTER SCIENCE							
CS 080C	+	Undergraduate Thesis	01	Schroeder, P	A	A	P
			02	Murray, R	A	A	P
			03	Winfree, E	A	A	P
			04	Barr, A	A	A	P
			05	Katz, N	A	A	P
			06	Perona, P	A	A	P
			07	Yue, Y	A	A	P
			08	Bruck, J	A	A	P
			10	Schulman, L	A	A	P
			11	Umans, C	A	A	P
			12	Bouman, K	A	A	P
			13	Wierman, A	A	A	P
			14	Chung, S	A	A	P
			15	Adolphs, R	A	A	P
			16	Anandkumar, A	A	A	P
			17	Fischer, W	A	A	P
			18	Mirhosseini, M	A	A	P
			CS 081C	+	Undergraduate Projects in Computer Science <i>enrollment by instructor permission only</i>	01	Schulman, L
02	Barr, A	A				A	P
03	Chandy, K	A				A	P
05	Perona, P	A				A	P
06	Low, S	A				A	P
07	Vanier, M	A				A	P
08	Murray, R	A				A	P
09	Winfree, E	A				A	P
10	Wierman, A	A				A	P
11	Umans, C	A				A	P
12	Adolphs, R	A				A	P
13	Pinkston, D	A				A	P
14	Burdick, J	A				A	P
15	Plott, C	A				A	P
16	Mahabal, A	A				A	P
17	Yue, Y	A				A	P

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COMPUTER SCIENCE							
CS 081C	+	Undergraduate Projects in Computer Science <i>enrollment by instructor permission only</i>	18	George, G	A	A	P
			19	Abu-Mostafa, Y	A	A	P
			20	Schroeder, P	A	A	P
			21	Djorgovski, S	A	A	P
			23	Vidick, T	A	A	P
			24	Hajimiri, S	A	A	P
			25	Ralph, C	A	A	P
			26	Rangel, A	A	A	P
			27	Alvarez, R	A	A	P
			28	Bunn, J	A	A	P
			29	Thomson, M	A	A	P
			30	Chung, S	A	A	P
			31	Lombeyda, S	A	A	P
			32	Blank, A	A	A	P
			33	Anandkumar, A	A	A	P
			34	Van Valen, D	A	A	P
			35	Tamuz, O	A	A	P
			36	Bouman, K	A	A	P
			37	Pachter, L	A	A	P
			38	Sternberg, P	A	A	P
			39	Qian, L	A	A	P
			40	Ames, A	A	A	P
			41	Emami, A	A	A	P
			42	Mushkin, H	A	A	P
			43	Shapiro, M	A	A	P
			44	Baptista, R	A	A	P
			45	Hovik, M	A	A	P
			46	Mazumdar, E	A	A	P
			47	Bruno, O	A	A	P
48	Tropp, J	A	A	P			
49	Hsieh-Wilson, L	A	A	P			
CS 090	+	Undergraduate Reading in Computer Science <i>enrollment by instructor permission only</i>	01	Winfree, E	A	A	P
			02	Barr, A	A	A	P

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COMPUTER SCIENCE							
CS 090	+	Undergraduate Reading in Computer Science <i>enrollment by instructor permission only</i>	03	Low, S	A	A	P
			04	Umans, C	A	A	P
			05	Bruck, J	A	A	P
			06	Pinkston, D	A	A	P
			08	Arnold, F	A	A	P
			09	Schulman, L	A	A	P
			10	Perona, P	A	A	P
			11	Schroeder, P	A	A	P
			12	Wierman, A	A	A	P
			13	Yue, Y	A	A	P
			14	Abu-Mostafa, Y	A	A	P
			15	Vidick, T	A	A	P
			16	Anandkumar, A	A	A	P
			18	Ralph, C	A	A	P
			19	Anderson, D	A	A	P
			20	Chung, S	A	A	P
21	Bronner Hansen, M	A	A	P			
22	Gkioxari, G	A	A	P			
23	Stuart, A	A	A	P			
CS 101	0-0-0	Special Topics in Computer Science: Pedagogy in Computer Science <i>3 units (1-0-2) // enrollment by instructor permission only // maximum enrollment: 20 students</i>	01	Blank, A / Bryant, J	OM,T 19:00 - 19:55	106 ANB	G
CS 101	+	Special Topics in Computer Science: Database System Implementation <i>Enrollment only by instructor's permission / not open to general enrollment</i>	02	Pinkston, D	A	A	P
CS 102C	+	Seminar in Computer Science <i>class cancelled</i>	01	Staff	A	A	
CS 103C	+	Reading in Computer Science	01	Staff	A	A	P

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COMPUTER SCIENCE							
Ma/CS 106C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 006c</i>	01	Kechris, A	TR 13:00 - 14:25	310 LINDE	
CS 111	0-3-0	Graduate Programming Practicum: Rust track <i>maximum enrollment: 10 students between CS 11 and 111</i>	15	Vanier, M	OM,M 21:00 - 21:55	105 ANB	P
CS 115	3-4-2	Functional Programming	01	Vanier, M	MWF 14:00 - 14:55	105 ANB	G
CS 124	3-6-3	Operating Systems	01	Pinkston, D	MWF 13:00 - 13:55	213 ANB	
ME/CS/EE 129	1-7-1	Experimental Robotics	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
CS 131	3-0-6	Programming Languages <i>maximum enrollment: 30 students // CS 4 (in OCaml) is a hard prerequisite (i.e. CS 4 starting in Winter 2016) // CS majors get top priority</i>	01	Vanier, M	MWF 15:00 - 15:55	213 ANB	G
CS 132	3-0-6	Web Development	01	Hovik, M	TR 10:30 - 11:55	105 ANB	
CS 137	0-3-9	Real-World Algorithm Implementation <i>maximum enrollment: 30 students</i>	01	Blank, A	OM,M 20:00 - 20:55	106 ANB	G
CS 138	3-0-6	Computer Algorithms	01	Schroeder, P	TR 09:00 - 10:25	125 KRK	
CS/EE/IDS 143	3-4-5	Networks: Algorithms & Architecture <i>class cancelled</i>	01	Staff	A	A	
CS/EE 145	0-0-9	Projects in Networking	01	Wierman, A	OM,M 10:00 - 10:55	105 ANB	
CS/EE 146	3-3-3	Control and Optimization of Networks	01	Low, S	TR 10:30 - 11:55	314 ANB	
EE/CNS/CS 148	3-0-9	Advanced Topics in Vision: Large Language and Vision Models <i>Students expected to have completed CMS 155</i>	01	Perona, P / Gkioxari, G	TR 10:30 - 11:55	B270 MRE	

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COMPUTER SCIENCE							
CS/Ec 149	3-0-6	Algorithmic Economics	01	Niemeyer, A	MW 13:00 - 14:25	125 BAX	G
CS/IDS 153	3-0-6	Current Topics in Theoretical Computer Science <i>section 1: cancelled // section 2: Topics in the Intersection of Theoretical CS and Quantum Computing, pass-fail only</i>	01	Umans, C	A	A	314 ANB
			02	Mahadev, U	F 13:00 - 15:55		
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	B270 MRE	
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	Lecture Hall BAX	
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CS/EE/IDS 166	3-3-6	Computational Cameras	01	Bouman, K	TR 13:00 - 14:25	104 ANB	
ME/CS/EE 169	1-7-1	Mobile Robots	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
CS 179	3-3-3	GPU Programming	01	Barr, A	MWF 15:00 - 15:55	105 ANB	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa, Y	A	A	P
			03	Chandy, K	A	A	P
			04	Wierman, A	A	A	P
			05	Perona, P	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Kitaev, A	A	A	P
			11	Schroeder, P	A	A	P
			13	Winfree, E	A	A	P
			14	Umans, C	A	A	P
			15	Wold, B	A	A	P
			16	Siapas, A	A	A	P

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COMPUTER SCIENCE										
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation <i>class cancelled</i>	01	Winfree, E	A	A				
BE/CS 196B	2-4-3	Design and Construction of Programmable Molecular Systems <i>instructor permission required for enrollment</i>	01	Qian, L	T 16:00 - 17:55	111 KCK				
Ph/CS 219C	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	269 LAU	P			
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P			
			02	Barr, A	A	A	P			
			03	Cvitanic, J	A	A	P			
			04	Umans, C	A	A	P			
			06	Winfree, E	A	A	P			
			07	Low, S	A	A	P			
			08	Martin, A	A	A	P			
			09	Chandy, K	A	A	P			
			10	Perona, P	A	A	P			
			11	Schroeder, P	A	A	P			
			13	Kitaev, A	A	A	P			
			14	Wierman, A	A	A	P			
			15	Winfree, E	A	A	P			
			16	Doyle, J	A	A	P			
			17	Vidick, T	A	A	P			
			18	Yue, Y	A	A	P			
			19	Gkioxari, G	A	A	P			
			CS 282C	+	Reading In Computer Science	01	Abu-Mostafa, Y	A	A	P
						02	Barr, A	A	A	P
03	Cvitanic, J	A				A	P			
04	Umans, C	A				A	P			
06	Winfree, E	A				A	P			
07	Low, S	A				A	P			
08	Martin, A	A				A	P			
09	Chandy, K	A				A	P			

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COMPUTER SCIENCE							
CS 282C	+	Reading In Computer Science	10	Perona, P	A	A	P
			11	Schroeder, P	A	A	P
			13	Kitaev, A	A	A	P
			14	Wierman, A	A	A	P
			15	Winfree, E	A	A	P
			16	Doyle, J	A	A	P
			17	Vidick, T	A	A	P
			18	Yue, Y	A	A	P
			19	Gkioxari, G	A	A	P
COMPUTING AND MATHEMATICAL SCIENCES							
CMS290C	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
			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	Anandkumar, A	A	A	P			
20	Thomson, M	A	A	P			
21	Stuart, A	A	A	P			

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COMPUTING AND MATHEMATICAL SCIENCES							
CMS300	+	Research in Computing and Mathematical Sciences	22	Van Valen, D	A	A	P
			23	Bouman, K	A	A	P
			24	Bruck, J	A	A	P
			25	Chung, S	A	A	P
			26	Gkioxari, G	A	A	P
			27	Mazumdar, E	A	A	P
CONTROL & DYNAMICAL SYSTEMS							
CDS090C	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Murray, R	A	A	G
CDS110	3-3-3	Analysis and Design of Feedback Control Systems <i>taught concurrently with ChE105</i>	01	Murray, R	MWF 14:00 - 14:55	106 SPL	
CDS190	+	Independent Work in Control and Dynamical Systems	01	Chung, S	A	A	P
CDS212	3-0-6	Optimal Control and Estimation	01	Chung, S	TR 10:30 - 11:55	104 ANB	
CDS233	3-0-6	Nonlinear Control	01	Ames, A	MWF 16:00 - 17:25	135 GTL	
ME/CDS 235B	3-3-3	Advanced Robotics: Kinematics	01	Burdick, J	TR 16:00 - 16:55 W 11:00 - 11:55	115 GTL 115 GTL	
CDS300C	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P
			02	Doyle, J	A	A	P
			03	Goentoro, L	A	A	P
			04	Beck, J	A	A	P
			05	Dickinson, M	A	A	P
			06	Murray, R	A	A	P
			07	Owhadi, H	A	A	P
			08	Quartz, S	A	A	P
			09	Elowitz, M	A	A	P
			12	Ortiz, M	A	A	P

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CONTROL & DYNAMICAL SYSTEMS							
CDS300C	+	Research in Control and Dynamical Systems	13	Adolphs, R	A	A	P
			14	Siapas, A	A	A	P
			16	Ames, A	A	A	P
			17	Chung, S	A	A	P
ECONOMICS							
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Nielsen, K	A	A	P
			02	Saito, K	A	A	P
			03	Niemeyer, A	A	A	P
			04	Camerer, C	A	A	P
			05	Pomatto, L	A	A	P
Ec 098C	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P
Ec 105	3-0-6	Firms, Competition, and Industrial Organization <i>class cancelled</i>	01	Staff	A	A	G
Ec 108	3-0-6	Foundations of Behavioral Economics	01	Sprenger, C	TR 13:00 - 14:25	125 BAX	
Ec 117	3-0-6	Matching Markets	01	Caradonna, P	TR 09:00 - 10:25	128 BAX	G
BEM/Ec/ESE 119	3-0-6	Environmental Economics <i>maximum enrollment: 45 students</i>	01	Druckenmiller, H	TR 10:30 - 11:55	155 ARM	G
PS/Ec 128	3-0-6	Introduction to Public Health Economics and Policy <i>maximum enrollment: 15 students</i>	01	Cao, C	TR 09:00 - 10:25	B119 BAX	G
CS/Ec 149	3-0-6	Algorithmic Economics	01	Niemeyer, A	MW 13:00 - 14:25	125 BAX	G
ELECTRICAL ENGINEERING							
EE/CS 010B	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 15:00 - 15:55	B280 MRE	

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ELECTRICAL ENGINEERING							
APh/EE 024	3-0-6	Introductory Optics and Photonics Laboratory	01	Vahala, K	TR 09:00 - 10:25	133 STL	
EE 045	3-3-6	Electronics Systems and Laboratory	01	Emami, A	TR 09:00 - 10:25	B280 MRE	
CS/EE/ME 075C	+	Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2-9-1)</i>	01	Carpenter, K / Chung, S	M 16:00 - 17:55	104 ANB	
EE 080C	+	Senior Thesis	01	Vaidyanathan, P	A	A	P
			02	Scherer, A	A	A	P
			03	Hajimiri, S	A	A	P
			04	Hassibi, B	A	A	P
			05	Tai, Y	A	A	P
			06	Effros, M	A	A	P
			07	Doyle, J	A	A	P
			09	Emami, A	A	A	P
			10	George, G	A	A	P
			12	Van Valen, D	A	A	P
			13	Marandi, A	A	A	P
			14	Yue, Y	A	A	P
			15	Chandrasekaran, V	A	A	P
			16	Low, S	A	A	P
			17	Perona, P / Chung, S	A	A	P
			18	George, G	A	A	P
			19	Mirhosseini, M	A	A	P
			20	Hallinan, G	A	A	P
			21	Yang, C	A	A	P
EE 090	1-8-0	Analog Electronics Project Laboratory	01	Kalantar Ohanian, R	OM,T 16:00 - 16:55	B270 MRE	G
EE 099	+	Advanced Work in Electrical Engineering	01	George, G	A	A	P
			02	Perona, P	A	A	P
			03	Scherer, A	A	A	P
			04	Meyerowitz, E	A	A	P

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ELECTRICAL ENGINEERING										
EE 099	+	Advanced Work in Electrical Engineering	05	Marandi, A	A	A	P			
			06	Murray, R	A	A	P			
			07	Low, S	A	A	P			
			08	Yang, C	A	A	P			
			09	Martin, A	A	A	P			
			10	Chandy, K	A	A	P			
			11	Tai, Y	A	A	P			
			12	Hajimiri, S	A	A	P			
			13	Emami, A	A	A	P			
			14	Gharib, M	A	A	P			
			15	Yariv, A	A	A	P			
			16	Bruck, J	A	A	P			
			17	Doyle, J	A	A	P			
			18	Atwater, H	A	A	P			
			19	Effros, M	A	A	P			
			20	Kalantar Ohanian, R	A	A	P			
			21	Kostina, V	A	A	P			
			22	Marandi, A	A	A	P			
			EE 105B	1-0-0	Electrical Engineering Seminar	01	Emami, A	A	A	P
			EE 105C	1-0-0	Electrical Engineering Seminar <i>class cancelled - offered as EE 105B</i>	01	Staff	A	A	P
			APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Ghaffari, A	OM,W 16:00 - 16:55	104 WAT	
			EE 110C	3-4-2	Embedded Systems Design Laboratory	01	George, G	T 19:00 - 20:55	B280 MRE	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	387 LINDE				
ME/CS/EE 129	1-7-1	Experimental Robotics	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL				

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ELECTRICAL ENGINEERING							
CS/EE/IDS 143	3-4-5	Networks: Algorithms & Architecture <i>class cancelled</i>	01	Staff	A	A	
CS/EE 145	0-0-9	Projects in Networking	01	Wierman, A	OM,M 10:00 - 10:55	105 ANB	
CS/EE 146	3-3-3	Control and Optimization of Networks	01	Low, S	TR 10:30 - 11:55	314 ANB	
EE/CNS/CS 148	3-0-9	Advanced Topics in Vision: Large Language and Vision Models <i>Students expected to have completed CMS 155 prior to term start.</i>	01	Perona, P / Gkioxari, G	TR 10:30 - 11:55	B270 MRE	
EE 150	3-0-6	Topics in Electrical Engineering <i>Sec 1: ECAD Tool Design - Assemblers, Compilers, and Debuggers, pass-fail only / Sec 2: (A bit of) Deep learning Theory, letter graded only</i>	01 02	George, G Hassibi, B	TR 13:00 - 14:25 TR 09:00 - 10:25	B280 MRE B270 MRE	
EE 151	3-0-6	Electromagnetic Engineering	01	Yang, C	TR 11:00 - 12:25	B280 MRE	
EE 154B	2-3-4	Practical Electronics for Space Applications <i>class cancelled</i>	01	Staff	OM,A	A	
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	B270 MRE	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CS/EE/IDS 166	3-3-6	Computational Cameras	01	Bouman, K	TR 13:00 - 14:25	104 ANB	
ME/CS/EE 169	1-7-1	Mobile Robots	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	

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ELECTRICAL ENGINEERING							
APh/EE 183	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Nad Perge, S	TR 13:00 - 14:25	104 WAT	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 20 students // contact instructor if class is full // Enrollment is limited based on laboratory capacity</i>	01	Yang, C	TR 14:30 - 15:55	B127 KRK	
BE/EE/MedE 189B	0-9-0	Design and Construction of Biodevices	01	Yang, C	TR 14:30 - 15:55	B127 KRK	
EE 291	+	Advanced Work in Electrical Engineering	01	Atwater, H	A	A	P
			02	Wang, L	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Abu-Mostafa, Y	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			09	George, G	A	A	P
			10	Weinreb, S	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hassibi, B	A	A	P
			13	Campbell, J	A	A	P
			14	Low, S	A	A	P
			15	Phillips, R	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Vahala, K	A	A	P
			20	Gharib, M	A	A	P
			23	Quartz, S	A	A	P
			24	Roukes, M	A	A	P
			25	Tsao, D	A	A	P
			26	Scherer, A	A	A	P
			27	Cvitanic, J	A	A	P
			28	Tai, Y	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	29	Vaidyanathan, P	A	A	P
			30	Yariv, A	A	A	P
			31	Hoffmann, M	A	A	P
			32	Yang, C	A	A	P
			33	Chandrasekaran, V	A	A	P
			34	Martin, A	A	A	P
			35	Avouac, J	A	A	P
			36	Bridges, W	A	A	P
			37	Zmuidzinis, J	A	A	P
			38	Emami, A	A	A	P
			39	Painter, O	A	A	P
			40	Faraon, A	A	A	P
			41	Pellegrino, S	A	A	P
			42	Hallinan, G	A	A	P
			44	Minnich, A	A	A	P
			45	Kostina, V	A	A	P
			46	Greer, J	A	A	P
			47	Yue, Y	A	A	P
			48	Shapiro, M	A	A	P
			49	Yeh, N	A	A	P
			50	Marandi, A	A	A	P
			51	Anderson, D	A	A	P
			52	Mirhosseini, M	A	A	P
			53	Vidick, T	A	A	P
			56	Greer, J	A	A	P
			57	Hsieh, D	A	A	P
			ENGINEERING				
E 100	0-0-0	Special Topics in Engineering & Applied Science: Effective and Enduring Advocacy: Leading with Compassion in STEM <i>6 units (2-0-4) // instructor permission required to enroll // maximum enrollment: 20 students // apply at https://forms.gle/xN5Fqgt8ygAzNQoE8</i>	01	Mushkin, H / Ralph, C	W 13:00 - 14:55	115 GTL	P

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ENGINEERING							
E 100	0-0-0	Special Topics in Engineering & Applied Science: Design Your Life <i>open by application only to juniors and seniors // apply at http://registrar.caltech.edu/E100SP2024</i>	02	Resnick, A	M 15:00 - 16:25	328 SFL	P
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>maximum enrollment: 20 students // open to upperclass undergrads and graduate students only</i>	01	Dabiri, M	R 13:00 - 14:25	100 PWB	P
ENGLISH							
Hum/En 022	3-0-6	Inequality <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Haugen, K	TR 14:30 - 15:55	127 BAX	
Hum/En 024	3-0-6	The Scientific Imagination in English Literature <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Gilmore, D	TR 14:30 - 15:55	128 BAX	
Hum/En 027	3-0-6	Introduction to the Modern Novel <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Murphy, D	T 19:00 - 21:55	TR DAB	G
Hum/En 030	+	Reading Animals <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // 9 units (3-0-6) // class meets T/Th 2:30-3:55pm in DAB 117</i>	01	Hill, A	A	A	P
Hum/En 036	3-0-6	American Literature and Culture <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Weinstein, C	TR 13:00 - 14:25	TR DAB	
En/Wr 083	3-0-6	Personal Narrative and STEM Research <i>maximum enrollment: 15 students // open to undergraduate students only</i>	01	Hall, S	TR 13:00 - 14:25	121 BCK	

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ENGLISH							
En 085	3-0-6	Poetry Writing <i>maximum enrollment: 15 students</i>	01	Brown, F	T 19:00 - 21:55	128 BAX	
En 089	3-0-6	Journalism and Storytelling <i>maximum enrollment: 12 students</i>	01	Kipling, R	T 19:00 - 21:55	127 BAX	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
En 099B	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Weinstein, C	A	A	G
En 112	3-0-6	Nineteenth-Century American Poetry <i>maximum enrollment: 15 students</i>	01	Hill, A	TR 13:00 - 14:25	117 DAB	G
En 119	3-0-6	Displacement <i>maximum enrollment: 25 students</i>	01	Haugen, K	W 19:00 - 21:55	TR DAB	
En 149	3-0-6	The Literature of Crisis <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Weinstein, C	TR 14:30 - 15:55	TR DAB	G
En 163	3-0-6	Octavia E. Butler and the Literature of Black Futures <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Murphy, D	W 19:00 - 21:55	125 BAX	G
En/VC 172	3-0-6	Heritage and Its Discontents <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Jurca, C	TR 10:30 - 11:55	128 BAX	
En 183	3-0-6	Victorian Crime Fiction <i>maximum enrollment: 20 students</i>	01	Gilmore, D	TR 10:30 - 11:55	127 BAX	
En/H 193	3-0-6	Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	127 BAX	
ENGLISH AS A SECOND LANGUAGE							

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ENGLISH AS A SECOND LANGUAGE							
ESL/Wr 107	3-0-3	Fundamentals of Scientific Writing <i>class cancelled</i>	01	Manoukian, N	A	A	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE001	3-0-6	Earth's Climate <i>maximum enrollment: 65 students // Feb 14 and May 8, class will meet in Kerchoff 119 // class full, see instructor for waitlist</i>	01	Wennberg, P	WF 14:00 - 14:55	B122 GCL	
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P
			03	Thompson, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Bordoni, S	A	A	P
			06	Leadbetter, J	A	A	P
			07	Adkins, J	A	A	P
			08	Flagan, R	A	A	P
			09	Frankenberg, C	A	A	P
			10	Yung, Y	A	A	P
			11	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	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Thompson, A	A	A	P
			06	Kornfield, J / Diallo, M	A	A	P
			07	Diallo, M	A	A	P
			08	Yung, Y	A	A	P
			09	Seinfeld, J	A	A	P
			10	Wennberg, P	A	A	P
			11	Diallo, M / Kornfield, J	A	A	P
			12	Schneider, T	A	A	P
			13	Leadbetter, J	A	A	P
			14	Fischer, W	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE100	+	Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i>	15	Lamb, M	A	A	P
ESE106	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P
			02	Blake, G	A	A	P
			03	Bordoni, S	A	A	P
			04	Eiler, J	A	A	P
			05	Flagan, R	A	A	P
			06	Hoffmann, M	A	A	P
			07	Ingersoll, A	A	A	P
			08	Lamb, M	A	A	P
			09	Leadbetter, J	A	A	P
			10	Newman, D	A	A	P
			11	Okumura, M	A	A	P
			12	Orphan, V	A	A	P
			13	Schneider, T	A	A	P
			14	Seinfeld, J	A	A	P
			15	Sessions, A	A	A	P
			16	Wennberg, P	A	A	P
			17	Yung, Y	A	A	P
			18	Thompson, A	A	A	P
			19	Frankenberg, C	A	A	P
			20	Callies, J	A	A	P
			21	Karthikeyan, S	A	A	P
ESE110C	1-0-0	Seminar in Environmental Science and Engineering	01	Karthikeyan, S	W 16:00 - 16:55	365 SMD	P
BEM/Ec/ESE 119	3-0-6	Environmental Economics <i>maximum enrollment: 45 students</i>	01	Druckenmiller, H	TR 10:30 - 11:55	155 ARM	G
ESE131	3-0-6	Ocean Dynamics	01	Callies, J	MWF 11:00 - 11:55	135 LLB	
ESE133	3-0-6	Global Atmosphere Dynamics	01	Schneider, T	TR 14:30 - 15:55	162 SMD	

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE135	1-0-2	Topics in Atmosphere and Ocean Dynamics	01	Callies, J	F 13:00 - 13:55	135 LLB	P
Ge/ESE 140C	3-0-6	Stable Isotope Biogeochemistry	01	Sessions, A	MWF 11:00 - 11:55	215 NMD	
ESE/Ge 142	3-0-6	Aquatic Chemistry of Natural Waters	01	Zakem, E	TR 10:30 - 11:55	215 NMD	
ESE144	3-0-6	Climate From Space	01	Teixeira, J / Thompson, A	TR 10:30 - 11:55	162 SMD	
Ge/Bi/BE/CNS/ESE 14	6-0-0	Challenges and Opportunities in Quantitative Ecology	01	Fischer, W / Tejada Lara, J	M 15:00 - 15:55	254 SMD	P
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Knutson, H	MWF 14:00 - 14:55	162 SMD	
ESE156	3-0-6	Remote Sensing of the Atmosphere and Biosphere	01	Frankenberg, C	TR 13:00 - 14:25	135 LLB	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
ESE/ChE 158	3-0-6	Aerosol Physics and Chemistry	01	Flagan, R	TR 10:30 - 11:55	106 SPL	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Wennberg, P	TR 13:00 - 14:25	B122 GCL	
ESE200	3-0-6	Advanced Topics in Environmental Science and Engineering	01	Klein, J	TR 09:00 - 10:25	135 LLB	
Ge/ESE 298	+	Mentoring and Outreach <i>meets Mondays from 1-2pm in 135 LLB</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
			06	Gurnis, M	A	A	P
ESE300	+	Thesis Research	01	Adkins, J	A	A	P
			02	Sessions, A	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING										
ESE300	+	Thesis Research	03	Okumura, M	A	A	P			
			04	Hoffmann, M	A	A	P			
			05	Ingersoll, A	A	A	P			
			06	Leadbetter, J	A	A	P			
			07	Flagan, R	A	A	P			
			08	Orphan, V	A	A	P			
			09	Seinfeld, J	A	A	P			
			10	Wennberg, P	A	A	P			
			11	Yung, Y	A	A	P			
			12	Schneider, T	A	A	P			
			13	Bordoni, S	A	A	P			
			14	Thompson, A	A	A	P			
			15	Callies, J	A	A	P			
			16	Frankenberg, C	A	A	P			
			17	Karthikeyan, S	A	A	P			
			FIRST-YEAR SEMINARS							
			FS/Ay 003	2-0-4	First-Year Seminar: Automating Discovering the Universe <i>maximum enrollment: 12 students</i>	01	El-Badry, K / Kasliwal, M	T 14:30 - 16:25	370 CHL	P
FS/Ph 011C	2-0-4	First-Year Seminar: Beyond Physics	01	Phillips, R	A	A	P			
GEOLOGY										
Ge 001	3-3-3	Earth and Environment <i>continuous 2-hour lab sessions on ALTERNATE Tuesdays from 9:00 to 9:00 PM on April 2, April 16, April 30, May 14, and May 28- meeting location for lab sessions: 251 Arms // Field Trip Dates: April 19-21, April 27, May 3-5</i>	01	Asimow, P	MWF 14:00 - 14:55	155 ARM	G			
Ge/Ay 011C	3-0-6	Introduction to Earth and Planetary Sciences: Planetary Sciences	01	Ehlmann, B	TR 13:00 - 14:25	162 SMD				

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GEOLOGY							
Ge/Ay 011C	3-0-6	Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i>					
Ge 040	+	Special Problems for Undergraduates	01	Kirschvink, J	A	A	P
			02	Knutson, H	A	A	P
			03	Lamb, M	A	A	P
			04	Adkins, J	A	A	P
			05	Rossman, G	A	A	P
			06	Ingersoll, A	A	A	P
			07	Asimow, P	A	A	P
			08	Clayton, R	A	A	P
			09	Sessions, A	A	A	P
			10	Yung, Y	A	A	P
			11	Eiler, J	A	A	P
			12	Jackson, J	A	A	P
			13	Brown, M	A	A	P
			14	Fischer, W	A	A	P
			15	Orphan, V	A	A	P
			16	Ehlmann, B	A	A	P
			17	de Kleer, K	A	A	P
			18	Stock, J	A	A	P
			19	Tejada Lara, J	A	A	P
			20	Tissot, F	A	A	P
Ge 041C	+	Undergraduate Research and Bachelor's Thesis	01	Grotzinger, J	A	A	P
			02	Newman, D	A	A	P
			03	Kirschvink, J	A	A	P
			04	Stock, J	A	A	P
			05	Ingersoll, A	A	A	P
			06	Orphan, V	A	A	P
			07	Fischer, W	A	A	P
			08	Jackson, J	A	A	P
			09	Sessions, A	A	A	P
			10	Leadbetter, J	A	A	P

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GEOLOGY							
Ge 041C	+	Undergraduate Research and Bachelor's Thesis	11	Asimow, P	A	A	P
			12	Rossmann, G	A	A	P
			13	Adkins, J	A	A	P
			14	Lamb, M	A	A	P
			15	Ehlmann, B	A	A	P
			16	Simons, M	A	A	P
			17	Ingersoll, A	A	A	P
			18	Eiler, J	A	A	P
			19	Yung, Y	A	A	P
			20	Tejada Lara, J	A	A	P
Ge 103	3-0-6	Introduction to the Solar System <i>Taught concurrently with Ge/Ay 011C</i>	01	Ehlmann, B	TR 13:00 - 14:25	162 SMD	
Ay/Ge 107	1-1-7	Introduction to Astronomical Observation <i>Field Trip: tba // maximum enrollment: 22 students</i>	01	Hillenbrand, L / de Kleer, K	WF 11:00 - 11:55 TR 19:00 - 21:55	251 ARM Roof CHL	
Ge 109	+	Oral Presentation <i>Section 1: GPS, maximum enrollment of 8 students</i>	01	Tissot, F	R 17:15 - 18:15	151 ARM	P
Ge 111B	0-3-6	Applied Geophysics Seminar and Field Course	01	Clayton, R / Simons, M	W 09:00 - 09:55	162 SMD	G
Ge 115B	3-3-3	Petrology and Petrography: Metamorphic Petrology	01	Eiler, J	TR 13:00 - 14:25	267 ARM	
Ge 120A	1-6-2	Introduction to Field Geology <i>Field Trip 1: TBD, Field Trip 2: TBD</i>	01	Bucholz, C	W 14:00 - 14:55	267 ARM	
Ge 121A	0-9-3	Advanced Field Geology	01	Lamb, M	OM,M 14:00 - 14:55	267 ARM	G
Ge 121C	0-9-3	Advanced Field Geology <i>Field Trip: TBD</i>	01	Stock, J	OM,M 13:00 - 13:55	215 NMD	G
Ge 123	1-0-2	Continental Crust Seminar	01	Bucholz, C	W 10:00 - 11:25	212 NMD	

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GEOLOGY							
Ge 124B	3-3-3	Paleomagnetism and Magnetostratigraphy	01	Kirschvink, J	MWF 14:00 - 14:55	251 ARM	
Ge 131	3-0-6	Planetary Structure and Evolution	01	Stevenson, D	MWF 10:00 - 10:55	162 SMD	
Ge 136C	1-0-2	Regional Field Geology of the Southwestern United States <i>Field Trip: TBD</i>	01	Kirschvink, J	OM,T 12:00 - 12:55	151 ARM	P
Ge/ESE 140C	3-0-6	Stable Isotope Biogeochemistry	01	Sessions, A	MWF 11:00 - 11:55	215 NMD	
ESE/Ge 142	3-0-6	Aquatic Chemistry of Natural Waters	01	Zakem, E	TR 10:30 - 11:55	215 NMD	
Ge/Bi/BE/CNS/ESE 14	6-0-0	Challenges and Opportunities in Quantitative Ecology	01	Fischer, W / Tejada Lara, J	M 15:00 - 15:55	254 SMD	P
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Knutson, H	MWF 14:00 - 14:55	162 SMD	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
Ge 162	3-0-6	Seismology	01	Zhan, Z	MWF 10:00 - 10:55	256 SMD	
Ge 163	3-0-6	Geodynamics <i>class cancelled</i>	01	Staff	A	A	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Wennberg, P	TR 13:00 - 14:25	B122 GCL	
Ge 177	3-3-6	Active Tectonics	01	Avouac, J	TRF 09:00 - 09:55 OM,M 10:00 - 10:55	215 NMD 215 NMD	
Ay/Ge 198	2-0-4	Special Topics in the Planetary Sciences	01	Mawet, D / Howard, A	M 10:00 - 11:55	219 CHL	
Ge 217	3-0-3	Radiogenic Isotopes Seminar	01	Farley, K	M 11:00 - 11:55	267 ARM	P

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GEOLOGY							
Ge 219	2-0-4	Non-traditional Isotopes Seminar <i>class cancelled</i>	01	Tissot, F	A	A	
Ge 261	3-0-6	Advanced Seismology <i>class cancelled</i>	01	Staff	A	A	
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Clayton, R	A	A	P
			03	Stock, J	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Grotzinger, J	A	A	P
			08	Eiler, J	A	A	P
			09	Jackson, J	A	A	P
			10	Farley, K	A	A	P
			11	Gurnis, M	A	A	P
			14	Ingersoll, A	A	A	P
			15	Jackson, J	A	A	P
			16	Kirschvink, J	A	A	P
			17	Kulkarni, S	A	A	P
			18	Newman, D	A	A	P
			19	Fischer, W	A	A	P
			20	Bordoni, S	A	A	P
			21	Ehlmann, B	A	A	P
			22	Rossmann, G	A	A	P
			23	Lamb, M	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Zhan, Z	A	A	P
			28	Stolper, E	A	A	P
			29	Batygin, K	A	A	P
			30	Bucholz, C	A	A	P
			31	Tissot, F	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	32	Wernicke, B	A	A	P
			33	Ross, Z	A	A	P
			34	Yung, Y	A	A	P
			35	Wennberg, P	A	A	P
			36	Avouac, J	A	A	P
			38	Lapusta, N	A	A	P
			39	Sessions, A	A	A	P
			40	Orphan, V	A	A	P
			43	Knutson, H	A	A	P
			44	Leadbetter, J	A	A	P
			45	Ross, Z	A	A	P
			46	de Kleer, K	A	A	P
			47	Tejada Lara, J	A	A	P
			Ge/ESE 298	+	Mentoring and Outreach <i>meets Mondays from 1-2pm in 135 LLB</i>	01	Newman, D
03	Fischer, W	A				A	P
04	Avouac, J / Bucholz, C	A				A	P
05	Thompson, A	A				A	P
06	Gurnis, M	A				A	P
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Batygin, K	A	A	P
			03	Fischer, W	A	A	P
			04	Kirschvink, J	A	A	P
			05	Asimow, P	A	A	P
			06	Blake, G	A	A	P
			07	Brown, M	A	A	P
			08	Clayton, R	A	A	P
			09	Eiler, J	A	A	P
			10	Farley, K	A	A	P
			11	Gurnis, M	A	A	P
			12	Heaton, T	A	A	P
			13	Tissot, F	A	A	P
			14	Schneider, T	A	A	P
			15	Grotzinger, J	A	A	P

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GEOLOGY							
Ge 299	+	Thesis Research	16	Simons, M	A	A	P
			17	Avouac, J	A	A	P
			18	Newman, D	A	A	P
			20	Ehlmann, B	A	A	P
			21	Orphan, V	A	A	P
			22	Fischer, W	A	A	P
			24	Kulkarni, S	A	A	P
			25	Lamb, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Stock, J	A	A	P
			28	Stolper, E	A	A	P
			29	Knutson, H	A	A	P
			30	Bucholz, C	A	A	P
			31	Zhan, Z	A	A	P
			32	Yung, Y	A	A	P
			33	Wernicke, B	A	A	P
			34	Rossmann, G	A	A	P
			35	Sessions, A	A	A	P
			36	Lapusta, N	A	A	P
			37	Jackson, J	A	A	P
			38	Ingersoll, A	A	A	P
			39	Bordoni, S	A	A	P
			41	Leadbetter, J	A	A	P
			42	Ross, Z	A	A	P
43	de Kleer, K	A	A	P			
44	Tejada Lara, J	A	A	P			
HISTORY							
Hum/H 002	3-0-6	Freedom Dreams: African American Visions of Liberation Since Emancipation <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 12 students</i>	01	Wiggins, D	T 19:00 - 21:55	125 BAX	

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HISTORY							
Hum/H 006	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	125 BAX	
Hum/H 013	3-0-6	Brave New Worlds: Race, Human Rights and the Age of Discovery <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	TR DAB	
Hum/H/HPS 020	3-0-6	COVID-19 and Other Pandemics: Science, Medicine, and Public Controversies <i>Attendance at first class meeting is required. // Maximum enrollment: 18 students</i>	01	Kormos-Buchwald, D	TR 14:30 - 15:55	House EINSTEIN	
H 060	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Wey-Gomez, N	A	A	P
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Brown, W	A	A	P
H 099C	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01	Staff	A	A	
H/HPS 129	3-0-6	History of Satellites: From Sputnik to Starlink <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Rand, L	TR 19:00 - 20:25	115 BCK	
H/HPS 130	3-0-6	Critical Infrastructures <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Rand, L	TR 13:00 - 14:25	115 BCK	
H/L 142	3-0-6	Perspectives on History through Russian Literature <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 10:30 - 11:55	239 BAX	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
HISTORY							
H 152	3-0-6	Where Do We Go From Here? Black America in the Post-Civil Rights Era <i>maximum enrollment: 18 students</i>	01	Wiggins, D	R 19:00 - 21:55	125 BAX	G
HPS/H 160	3-0-6	Einstein on the Run: European Scientists Fleeing Fascism, War, and the Holocaust <i>maximum enrollment: 18 students</i>	01	Kormos-Buchwald, D	TR 10:30 - 11:55	House EINSTEIN	
HPS/H 167	3-0-6	Experimenting with History/Historic Experiment <i>maximum enrollment: 15 students</i>	01	Buchwald, J	TR 10:30 - 11:55	125 BAX	G
En/H 193	3-0-6	Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	127 BAX	
HISTORY AND PHILOSOPHY OF SCIENCE							
Hum/H/HPS 020	3-0-6	COVID-19 and Other Pandemics: Science, Medicine, and Public Controversies <i>Attendance at first class meeting is required. // Maximum enrollment: 18 students</i>	01	Kormos-Buchwald, D	TR 14:30 - 15:55	House EINSTEIN	
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
HPS102B	+	Senior Research Seminar	01	Rand, L	A	A	P
HPS/PI 120	3-0-6	Introduction to Philosophy of Science <i>maximum enrollment: 15 students</i>	01	Hitchcock, C	TR 10:30 - 11:55	TR DAB	
HPS/PI 128	3-0-6	Philosophy of Mathematics <i>maximum enrollment: 15 students</i>	01	Hitchcock, C	TR 14:30 - 15:55	B133 BAX	
H/HPS 129	3-0-6	History of Satellites: From Sputnik to Starlink <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Rand, L	TR 19:00 - 20:25	115 BCK	

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HISTORY AND PHILOSOPHY OF SCIENCE							
H/HPS 130	3-0-6	Critical Infrastructures <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Rand, L	TR 13:00 - 14:25	115 BCK	
HPS/H 160	3-0-6	Einstein on the Run: European Scientists Fleeing Fascism, War, and the Holocaust <i>maximum enrollment: 18 students</i>	01	Kormos-Buchwald, D	TR 10:30 - 11:55	House EINSTEIN	
HPS/H 167	3-0-6	Experimenting with History/Historic Experiment <i>maximum enrollment: 15 students</i>	01	Buchwald, J	TR 10:30 - 11:55	125 BAX	G
PI/HPS 183	3-0-6	Bioethics <i>maximum enrollment: 20 students // class full, see instructor for waitlist</i>	01	Helou, A	TR 10:30 - 11:55	115 BCK	
HUMANITIES							
Hum/H 002	3-0-6	Freedom Dreams: African American Visions of Liberation Since Emancipation <i>Attendance at first class meeting is required. // Maximum enrollment: 12 students</i>	01	Wiggins, D	T 19:00 - 21:55	125 BAX	
Hum/H 006	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	125 BAX	
Hum/H 013	3-0-6	Brave New Worlds: Race, Human Rights and the Age of Discovery <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	TR DAB	
Hum/H/HPS 020	3-0-6	COVID-19 and Other Pandemics: Science, Medicine, and Public Controversies <i>Attendance at first class meeting is required. // Maximum enrollment: 18 students</i>	01	Kormos-Buchwald, D	TR 14:30 - 15:55	House EINSTEIN	
Hum/En 022	3-0-6	Inequality <i>Attendance at first class meeting is required. //</i>	01	Haugen, K	TR 14:30 - 15:55	127 BAX	

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HUMANITIES							
Hum/En 024	3-0-6	The Scientific Imagination in English Literature <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Gilmore, D	TR 14:30 - 15:55	128 BAX	
Hum/En 027	3-0-6	Introduction to the Modern Novel <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Murphy, D	T 19:00 - 21:55	TR DAB	G
Hum/En 030	+	Reading Animals <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // 9 units (3-0-6) // class meets T/Th 2:30-3:55pm in DAB 117</i>	01	Hill, A	A	A	P
Hum/En 036	3-0-6	American Literature and Culture <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Weinstein, C	TR 13:00 - 14:25	TR DAB	
Hum/Pl 041	3-0-6	Knowledge and Reality <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Chua, E	TR 14:30 - 15:55	115 BCK	
Hum/Pl 044	3-0-6	Philosophy Through Science Fiction <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students per section</i>	01 02	Sebens, C Sebens, C	TR 13:00 - 14:25 TR 10:30 - 11:55	B119 BAX B119 BAX	
Hum/VC 048	3-0-6	Ways of Seeing <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Jacobson, B	TR 14:30 - 15:55	B119 BAX	
Hum/VC 050	3-0-6	Introduction to Film <i>Attendance at first class meeting is required. // maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Jurca, C	TR 13:00 - 14:25	128 BAX	
Hum080	1-0-0	Frontiers in the Humanities <i>class cancelled</i>	01	Haugen, K	A	A	P
Hum114C	3-0-6	Spanish Language Literature and its Film Adaptations <i>Taught concurrently with L 114c // maximum</i>	01	Arjona, G	MW 19:00 - 20:25	128 BAX	

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HUMANITIES							
L/Hum 150	3-0-6	Japanese Literature in Translation <i>Taught by Dr. Hirai // maximum enrollment: 20 students</i>	01	Toner, R	TR 16:00 - 17:25	128 BAX	
L/Hum 152	3-0-6	Classical French Literature in Translation <i>maximum enrollment: 15 students</i>	01	Merrill, T	TR 12:30 - 13:55	B133 BAX	
L/Hum 162	3-0-6	Spanish and Latin American Literature in Translation <i>maximum enrollment: 20 students</i>	01	Garcia, D	M 19:00 - 20:55 R 16:00 - 16:55	127 BAX 127 BAX	
Hum169	3-0-6	Chinese Cinema <i>Taught concurrently with L 169 // maximum enrollment: 15 students</i>	01	Wang, P	TR 13:00 - 14:25	228 BAX	
INFORMATION AND DATA SCIENCES							
CS/EE/IDS 143	3-4-5	Networks: Algorithms & Architecture <i>class cancelled</i>	01	Staff	A	A	
CS/IDS 153	3-0-6	Current Topics in Theoretical Computer Science <i>section 1: cancelled // section 2: Topics in the Intersection of Theoretical CS and Quantum Computing, pass-fail only</i>	01 02	Umans, C Mahadev, U	A F 13:00 - 15:55	A 314 ANB	
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	Lecture Hall BAX	
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CS/EE/IDS 166	3-3-6	Computational Cameras	01	Bouman, K	TR 13:00 - 14:25	104 ANB	
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Zuev, K	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01 02 03 04	Murray, R Low, S Chandrasekaran, V Zuev, K	A A A A	A A A A	P P P P

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INFORMATION AND DATA SCIENCES							
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Perona, P	A	A	P
LANGUAGES							
L 102C	3-0-6	Elementary French	01	Orcel, C	MTF 16:00 - 16:55	115 DAB	
L 103C	3-0-6	Intermediate French	01	Orcel, C	MW 17:00 - 17:55 F 15:00 - 15:55	115 DAB 115 DAB	
L 106C	4-0-5	Elementary Japanese <i>maximum enrollment: 20 students per section // Prerequisite: L106b or equivalent</i>	01 02	Fujio, M Fujio, M	MTWR 15:00 - 15:55 MTWR 16:00 - 16:55	228 BAX 228 BAX	
L 107C	3-0-6	Intermediate Japanese <i>Prerequisite: L 106abc or equivalent // Taught by Dr. Hirai // maximum enrollment: 12 students</i>	01	Toner, R	MW 16:00 - 17:25	117 DAB	
L 110C	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students per section</i>	01 02	Arjona, G Garcia, D	MW 16:30 - 17:55 MWR 12:00 - 12:55	128 BAX 125 BAX	
L 114C	3-0-6	Spanish Language Literature and its Film Adaptations <i>taught concurrently with Hum114c // maximum enrollment: 20 students between L 114c and Hum 114c</i>	01	Arjona, G	MW 19:00 - 20:25	128 BAX	
L 130C	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	115 DAB	
L 132C	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	115 DAB	
H/L 142	3-0-6	Perspectives on History through Russian Literature <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 10:30 - 11:55	239 BAX	
L/Hum 150	3-0-6	Japanese Literature in Translation <i>Taught by Dr. Hirai // maximum enrollment: 20 students</i>	01	Toner, R	TR 16:00 - 17:25	128 BAX	

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LANGUAGES							
L/Hum 152	3-0-6	Classical French Literature in Translation <i>maximum enrollment: 15 students</i>	01	Merrill, T	TR 12:30 - 13:55	B133 BAX	
L/Hum 162	3-0-6	Spanish and Latin American Literature in Translation <i>maximum enrollment: 20 students</i>	01	Garcia, D	M 19:00 - 20:55 R 16:00 - 16:55	127 BAX 127 BAX	
L 167	3-0-6	Latin Literature <i>maximum enrollment: 15 students</i>	01	Pigman, G	WF 12:30 - 13:55	Loggia DAB	
L 169	3-0-6	Chinese Cinema <i>Taught concurrently with Hum 169 // maximum enrollment: 5 students</i>	01	Wang, P	TR 13:00 - 14:25	228 BAX	
L 170C	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students</i>	01	Wang, P	M 16:00 - 16:55 TR 12:00 - 12:55	127 BAX 127 BAX	
L 172C	3-0-6	Intermediate Chinese <i>maximum enrollment: 15 students</i>	01	Zhu, J	MW 09:00 - 10:25	128 BAX	
L 175	3-0-3	French Conversation	01	Orcel, C	W 09:00 - 10:25 R 14:30 - 15:55	115 DAB 115 DAB	P
L 176	3-0-6	Chinese Conversation <i>maximum enrollment: 15 students</i>	01	Zhu, J	MW 10:30 - 11:55	128 BAX	
MATERIALS SCIENCE							
MS 078C	+	Senior Thesis	01	Gharib, M	A	A	P
			02	Johnson, W	A	A	P
			03	Ravichandran, G	A	A	P
			04	Greer, J	A	A	P
			05	Goddard, W	A	A	P
			06	Minnich, A	A	A	P
			07	Fultz, B	A	A	P
			08	Faber, K	A	A	P
			09	Daraio, C	A	A	P
			10	Falson, J	A	A	P
			11	Atwater, H	A	A	P

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MATERIALS SCIENCE							
MS 078C	+	Senior Thesis	12	See, K	A	A	P
			13	Gao, W	A	A	P
			14	Lewis, N	A	A	P
MS 090	1-6-2	Materials Science Laboratory	01	Hofmann, D	M 12:00 - 12:55	104 WAT	
MS 100	+	Advanced Work in Materials Science	01	Minnich, A	A	A	P
			02	Fultz, B	A	A	P
			03	Lewis, N	A	A	P
			04	Davis, M	A	A	P
			05	Johnson, W	A	A	P
			06	Greer, J	A	A	P
			07	Faber, K	A	A	P
			08	Falson, J	A	A	P
			09	Gao, W	A	A	P
			10	Atwater, H	A	A	P
			11	Rossmann, G	A	A	P
			12	See, K	A	A	P
			13	Scherer, A	A	A	P
APh/MS/ME 105C	3-0-6	States of Matter	01	Falson, J	TR 10:30 - 11:55	104 WAT	
MS 110C	1-0-0	Materials Research Lectures	01	Faber, K	W 16:00 - 16:55	153 NYS	P
MS 133	3-0-6	Kinetic Processes in Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
APh/Ph/Ae/MS 153	3-0-6	Fundamentals of Energy and Mass Transport in Small Scale Systems	01	Troian, S	TR 14:30 - 15:55	111 KCK	
MS 200	+	Advanced Work in Materials Science	01	Johnson, W	A	A	P
			02	Goddard, W	A	A	P
			03	Blake, G	A	A	P
			04	Fultz, B	A	A	P
			05	Daraio, C	A	A	P

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MATERIALS SCIENCE							
MS 200	+	Advanced Work in Materials Science	07	Bhattacharya, K	A	A	P
			08	Lewis, N	A	A	P
			09	Yeh, N	A	A	P
			10	Atwater, H	A	A	P
			11	Ahn, C	A	A	P
			12	Greer, J	A	A	P
			13	Minnich, A	A	A	P
			14	Bernardi, M	A	A	P
			15	Ortiz, M	A	A	P
			17	Faber, K	A	A	P
			18	Cushing, S	A	A	P
			19	See, K	A	A	P
			20	Kornfield, J	A	A	P
			21	Falson, J	A	A	P
			22	Gao, W	A	A	P
			23	Faraon, A	A	A	P
24	Manthiram, K	A	A	P			
MS 300	+	Thesis Research	01	Johnson, W	A	A	P
			02	Faber, K	A	A	P
			03	Atwater, H	A	A	P
			04	Goddard, W	A	A	P
			05	Fultz, B	A	A	P
			06	Greer, J	A	A	P
			07	See, K	A	A	P
			08	Lewis, N	A	A	P
			09	Bhattacharya, K	A	A	P
			10	Rosakis, A	A	A	P
			11	Minnich, A	A	A	P
			12	Yeh, N	A	A	P
			13	Bernardi, M	A	A	P
			14	Ortiz, M	A	A	P
			15	Falson, J	A	A	P
			16	Cross, M	A	A	P

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MATERIALS SCIENCE							
MS 300	+	Thesis Research	18	Gao, W	A	A	P
			19	Cushing, S	A	A	P
			20	Manthiram, K	A	A	P
			21	Faraon, A	A	A	P
MATHEMATICS							
Ma 001C	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-7 // Analytical Track: Sections 8-10</i>	01	Ni, Y	MWF 10:00 - 10:55 R 09:00 - 09:55	125 KRK 269 LAU	G
			02	Ni, Y	MWF 10:00 - 10:55 R 10:00 - 10:55	125 KRK 142 KCK	G
			03	Ni, Y	MWF 10:00 - 10:55 R 13:00 - 13:55	125 KRK 103 DWN	G
			04	Ni, Y	MWF 10:00 - 10:55 R 14:00 - 14:55	125 KRK Hameetman Aud CHL	G
			05	Ni, Y	MWF 10:00 - 10:55 R 18:00 - 18:55	125 KRK 269 LAU	G
			06	Ni, Y	MWF 10:00 - 10:55 R 19:00 - 19:55	125 KRK 310 LINDE	G
			07	Ni, Y	MWF 10:00 - 10:55 R 18:00 - 18:55	125 KRK 387 LINDE	G
			08	Yu, T	MWF 10:00 - 10:55 R 10:00 - 10:55	310 LINDE 310 LINDE	G
			09	Yu, T	MWF 10:00 - 10:55 R 16:00 - 16:55	310 LINDE Hameetman Aud CHL	G
			10	Yu, T	MWF 10:00 - 10:55 R 15:00 - 15:55	310 LINDE 310 LINDE	G
Ma 004	3-0-6	Introduction to Mathematical Chaos <i>taught concurrently with Ma 104</i>	01	Vigneaux Ariztia, J	TR 10:30 - 11:55	387 LINDE	
Ma 005C	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105c</i>	01	Svoboda, J	MWF 09:00 - 09:55	310 LINDE	

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MATHEMATICS										
Ma/CS 006C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma 106c</i>	01	Kechris, A	TR 13:00 - 14:25	310 LINDE				
Ma 007	3-0-6	Number Theory for Beginners <i>taught concurrently with Ma 107</i>	01	Zhao, R	TR 10:30 - 11:55	187 LINDE				
Ma 011	0-0-3	Mathematical Writing <i>class is taught as individually scheduled meetings after the OM</i>	01	Conlon, D	OM,A	A	G			
Ma 092C	+	Senior Thesis	01	Mantovan, E	A	A	P			
			02	Kechris, A	A	A	P			
			03	Marcolli, M	A	A	P			
			05	Zhu, X	A	A	P			
			07	Katz, N	A	A	P			
			08	Song, A	A	A	P			
			09	Tamuz, O	A	A	P			
			10	Yu, T	A	A	P			
			11	Aluffi, P	A	A	P			
			12	Schuelke, B	A	A	P			
			Ma 097	+	Research in Mathematics	01	Ni, Y	A	A	P
						02	Ervin, G	A	A	P
03	Mantovan, E	A				A	P			
04	Tamuz, O	A				A	P			
05	Vigneaux Ariztia, J	A				A	P			
06	Marcolli, M	A				A	P			
07	Yu, T	A				A	P			
08	Gherman, M	A				A	P			
09	Dimitrov, V	A				A	P			
10	Caniato, R	A				A	P			
11	Kechris, A	A				A	P			
12	Aluffi, P	A				A	P			
13	Conlon, D	A				A	P			
Ma 098	+	Independent Reading <i>Faculty permission required to register for</i>	01	Graber, T	A	A	P			
			02	Katz, N	A	A	P			

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MATHEMATICS										
Ma 098	+	Independent Reading <i>Faculty permission required to register for course.</i>	03	Mazel-Gee, A	A	A	P			
			04	Chen, L	A	A	P			
			05	Smillie, P	A	A	P			
			06	Vidnyanszky, Z	A	A	P			
			07	Vigneaux Ariztia, J	A	A	P			
			08	Schroeder, P	A	A	P			
			09	Ni, Y	A	A	P			
			10	Aluffi, P	A	A	P			
			11	Dimitrov, V	A	A	P			
			12	Marcolli, M	A	A	P			
			13	Gherman, M	A	A	P			
			14	Chen, D	A	A	P			
			15	Flach, M	A	A	P			
			Ma 104	3-0-6	Introduction to Mathematical Chaos <i>taught concurrently with Ma 4</i>	01	Vigneaux Ariztia, J	TR 10:30 - 11:55	387 LINDE	
			Ma 105C	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5c</i>	01	Svoboda, J	MWF 09:00 - 09:55	310 LINDE	
Ma/CS 106C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 006c</i>	01	Kechris, A	TR 13:00 - 14:25	310 LINDE				
Ma 107	3-0-6	Number Theory for Beginners <i>taught concurrently with Ma 7</i>	01	Zhao, R	TR 10:30 - 11:55	187 LINDE				
Ma 108C	3-0-6	Classical Analysis	01	Caniato, R	MWF 11:00 - 11:55	387 LINDE				
Ma 109C	3-0-6	Introduction to Geometry and Topology	01	Ryoo, S	MWF 10:00 - 10:55	387 LINDE				
Ma 110C	3-0-6	Analysis, I	01	Isett, P	MWF 14:00 - 14:55	187 LINDE				
Ma 116C	3-0-6	Mathematical Logic and Axiomatic Set Theory	01	Ervin, G	TR 13:00 - 14:25	387 LINDE				

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MATHEMATICS							
Ma 120C	3-0-6	Abstract Algebra	01	Flach, M	MWF 09:00 - 09:55	187 LINDE	
Ma 130C	3-0-6	Algebraic Geometry	01	Yu, S	MWF 13:00 - 13:55	255 LINDE	
Ma/ACM 142B	3-0-6	Ordinary and Partial Differential Equations	01	Looi, S	TR 09:00 - 10:25	187 LINDE	
Ma 147B	3-0-6	Dynamical Systems	01	Angelopoulos, I	TR 10:30 - 11:55	183 LINDE	
Ma 151C	3-0-6	Algebraic and Differential Topology	01	Chen, D	MWF 10:00 - 10:55	187 LINDE	
Ma 157B	3-0-6	Riemannian Geometry	01	Ryoo, S	MWF 13:00 - 13:55	387 LINDE	
Ma 160B	3-0-6	Number Theory	01	Flach, M	MWF 14:00 - 14:55	255 LINDE	
Ma 191C	3-0-6	Selected Topics in Mathematics <i>Sec 1: Algebraic Models of Generative Linguistics // Sec 2: 4-manifolds and Kirby calculus // Sec 3: Maass waveforms and the integral converse theorem</i>	01	Marcolli, M	TR 13:00 - 14:25	289 LINDE	P
			02	Ni, Y	TR 10:30 - 11:55	255 LINDE	P
			03	Dimitrov, V	TR 13:30 - 14:55	183 LINDE	P
Ma 290	+	Reading <i>Faculty permission required to register for course.</i>	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P
			03	Hutcherof, T	A	A	P
			04	Graber, T	A	A	P
			05	Isett, P	A	A	P
			06	Katz, N	A	A	P
			07	Kechris, A	A	A	P
			08	Makarov, N	A	A	P
			09	Mantovan, E	A	A	P
			10	Marcolli, M	A	A	P
			12	Ni, Y	A	A	P
			13	Radziwill, M	A	A	P

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MATHEMATICS							
Ma 290	+	Reading <i>Faculty permission required to register for course.</i>	14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			17	Zhu, X	A	A	P
			18	Gukov, S	A	A	P
			19	Kapustin, A	A	A	P
			20	Kapustin, A	A	A	P
			21	Kitaev, A	A	A	P
			22	Tamuz, O	A	A	P
			23	Cvitanic, J	A	A	P
			24	Owhadi, H	A	A	P
Ma 390	+	Research <i>Faculty permission required to register for research.</i>	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P
			03	Hutcherof, T	A	A	P
			04	Graber, T	A	A	P
			05	Isett, P	A	A	P
			06	Katz, N	A	A	P
			07	Kechris, A	A	A	P
			08	Makarov, N	A	A	P
			09	Mantovan, E	A	A	P
			10	Marculli, M	A	A	P
			12	Ni, Y	A	A	P
			13	Radziwill, M	A	A	P
			14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Staff	A	A	P
17	Zhu, X	A	A	P			
18	Gukov, S	A	A	P			
19	Kapustin, A	A	A	P			
20	Kitaev, A	A	A	P			
21	Oguri, H	A	A	P			
22	Tamuz, O	A	A	P			
23	Cvitanic, J	A	A	P			
24	Owhadi, H	A	A	P			

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MATHEMATICS							
Ma 390	+	Research <i>Faculty permission required to register for research.</i>	25	Yu, T	A	A	P
MECHANICAL ENGINEERING							
ME 011C	3-0-6	Thermal Science	01	Fu, X	MWF 14:00 - 14:55	135 GTL	G
ME 012C	3-0-6	Mechanics	01	Asimaki, D	TR 13:00 - 14:25	135 GTL	G
ME 014	3-5-1	Design and Fabrication <i>Limited to ME or Ae students // Not open to first-years</i>	01	Mello, M / Stovall, P	TR 14:30 - 15:55	135 GTL	G
ME 023	0-4-0	CNC Machining <i>Open by application only // apply at https://registrar.caltech.edu/ME23-123SP2024</i>	01	Stovall, P	OM,R 15:00 - 15:55	B224 SPL	P
ME 050B	0-6-3	Experiments and Modeling in Mechanical Engineering	01	Mello, M	MWF 11:00 - 11:55	135 GTL	G
CS/EE/ME 075C	+	Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2-9-1)</i>	01	Carpenter, K / Chung, S	M 16:00 - 17:55	104 ANB	
ME 090C	0-9-0	Senior Thesis: Major Design Experience	01	Ames, A	A	A	G
ME 091C	+	Senior Thesis	01	Ames, A	A	A	P
ME 100	+	Independent Studies in Mechanical Engineering	02	Hunt, M	A	A	P
			03	Burdick, J	A	A	P
			04	Blanquart, G	A	A	P
			05	Minnich, A	A	A	P
			06	Scherer, A	A	A	P
			07	Colonus, T	A	A	P
			08	Murray, R	A	A	P

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MECHANICAL ENGINEERING							
ME 100	+	Independent Studies in Mechanical Engineering	09	Mawet, D	A	A	P
			10	Perona, P	A	A	P
			11	Doyle, J	A	A	P
			12	Daraio, C	A	A	P
			13	Ames, A	A	A	P
			14	Mello, M	A	A	P
			15	McKeon, B	A	A	P
			16	Fu, X	A	A	P
			17	Dabiri, J	A	A	P
			18	Greer, J	A	A	P
			19	Rosakis, A	A	A	P
			20	Asimaki, D	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Colonus, T	MWF 10:00 - 10:55	135 GTL	
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Pellegrino, S	TR 09:00 - 10:25	133 GUG	G
APh/MS/ME 105C	3-0-6	States of Matter	01	Falson, J	TR 10:30 - 11:55	104 WAT	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Murray, R	A	A	P
			02	Burdick, J	A	A	P
			03	Ames, A	A	A	P
			05	Ravichandran, G	A	A	P
			06	Shepherd, J	A	A	P
			07	Scherer, A	A	A	P
ME 119	3-0-6	Heat and Mass Transfer <i>Instructor permission required to enroll after first week</i>	01	Hunt, M	TR 09:00 - 10:25	115 GTL	
ME 123	0-4-0	CNC Machining <i>Open by application only // Apply at https://registrar.caltech.edu/ME23-123SP2024</i>	01	Stovall, P	OM,R 15:00 - 15:55	B224 SPL	P

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MECHANICAL ENGINEERING							
ME/CS/EE 129	1-7-1	Experimental Robotics	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
ME/CS/EE 169	1-7-1	Mobile Robots	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
ME 200	+	Advanced Work in Mechanical Engineering	01	Lapusta, N	A	A	P
			02	Ravichandran, G	A	A	P
			03	Burdick, J	A	A	P
			05	Bhattacharya, K	A	A	P
ME/CDS 235B	3-3-3	Advanced Robotics: Kinematics	01	Burdick, J	TR 16:00 - 16:55	115 GTL	
					W 11:00 - 11:55	115 GTL	
ME 300	+	Research in Mechanical Engineering	01	Ames, A	A	A	P
			02	Bellan, P	A	A	P
			03	Bhattacharya, K	A	A	P
			04	Burdick, J	A	A	P
			05	Colonus, T	A	A	P
			06	Adkins, J	A	A	P
			07	Gharib, M	A	A	P
			09	Stuart, A	A	A	P
			10	Hunt, M	A	A	P
			11	Lapusta, N	A	A	P
			12	Leonard, A	A	A	P
			13	Murray, R	A	A	P
			14	Ortiz, M	A	A	P
			15	Shepherd, J	A	A	P
			16	Avouac, J	A	A	P
			17	Brady, J	A	A	P
			18	Scherer, A	A	A	P
			19	Troian, S	A	A	P
			20	Greer, J	A	A	P

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	21	Daraio, C	A	A	P
			22	Dickinson, M	A	A	P
			23	Ravichandran, G	A	A	P
			24	Atwater, H	A	A	P
			25	Fultz, B	A	A	P
			26	Blanquart, G	A	A	P
			27	Andrade, J	A	A	P
			28	McKeon, B	A	A	P
			29	Hoffmann, M	A	A	P
			30	Asimaki, D	A	A	P
			31	Minnich, A	A	A	P
			32	Lewis, N	A	A	P
			33	Schneider, T	A	A	P
			34	Pachter, L	A	A	P
			35	Rosakis, A	A	A	P
			36	Dabiri, J	A	A	P
			37	Chung, S	A	A	P
			38	Ismagilov, R	A	A	P
			39	Fu, X	A	A	P
			40	Bae, H	A	A	P
MEDICAL ENGINEERING							
MedE 099	+	Undergraduate Research in Medical Engineering	01	Gao, W	A	A	P
			02	Shapiro, M	A	A	P
			03	Wang, L	A	A	P
MedE 100C	1-0-0	Medical Engineering Seminar	01	Tai, Y / Gao, W	R 16:00 - 16:55	105 ANB	P
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 20 students // contact instructor if class is full // Enrollment is limited based on laboratory capacity</i>	01	Yang, C	TR 14:30 - 15:55	B127 KRK	

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MEDICAL ENGINEERING							
BE/EE/MedE 189B	0-9-0	Design and Construction of Biodevices	01	Yang, C	TR 14:30 - 15:55	B127 KRK	
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Karthikeyan, S	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	Kornfield, J	A	A	P
			22	Pachter, L	A	A	P
			23	Thomson, M	A	A	P
			24	Andersen, R	A	A	P
			25	Goddard, W	A	A	P
MUSIC							
Mu 059	3-0-6	Harmony II <i>maximum enrollment: 15 students</i>	01	Nelson, J	MR 16:00 - 17:25	B133 BAX	
Mu 137	3-0-6	Themes in Western Music History and Historiography: Pre-1600 <i>maximum enrollment: 15 students</i>	01	Baker, N	MW 14:00 - 15:25	B133 BAX	

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NEUROBIOLOGY							
NB/Bi/CNS 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	R 14:00 - 14:55 MWF 10:00 - 10:55	101 KRK 130 CNRB	G
			02	Lester, H / Adolphs, R	MWF 10:00 - 10:55 R 11:00 - 11:55	130 CNRB 152 BRN	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 20:00 - 20:55	130 CNRB 101 KRK	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	130 CNRB 101 KRK	G
NB/Bi/CNS 154	3-0-6	Principles of Neuroscience	01	Meister, M	TR 13:00 - 14:25	B101 BBB	
NB/Bi/CNS 157	2-3-4	Comparative Nervous Systems <i>class full, see instructor for waitlist // class will meet in BRD 200 for inclement weather</i>	01	Allman, J	F 14:00 - 15:55	Courtyard ALLES	G
NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function <i>class cancelled</i>	01	Anderson, D	A	A	
Bi/BE/CNS/NB 241	1-8-0	Spatial Genomics <i>maximum enrollment: 6 students</i>	01	Cai, L	M 11:00 - 11:55	B115 CNRB	
NB/Bi/CNS 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	130 CNRB	
CNS/Bi/NB 256	2-0-4	Brain-machine Interfaces	01	Andersen, R	MW 13:00 - 13:55	330 BBB	
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P
			03	Andersen, R	A	A	P
			04	Anderson, D	A	A	P
			05	Bronner Hansen, M	A	A	P
			06	Dickinson, M	A	A	P
			07	Gradinaru, V	A	A	P
			08	Hong, E	A	A	P
			09	Kennedy, M	A	A	P
			10	Lester, H	A	A	P

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NEUROBIOLOGY							
NB 299	+	Graduate Research	11	Lois, C	A	A	P
			12	Meister, M	A	A	P
			13	Oka, Y	A	A	P
			14	Prober, D	A	A	P
			15	Roukes, M	A	A	P
			16	Shapiro, M	A	A	P
			17	Shimojo, S	A	A	P
			18	Siapas, A	A	A	P
			19	Sternberg, P	A	A	P
			20	Tsao, D	A	A	P
			21	Wagenaar, D	A	A	P
			22	Zinn, K	A	A	P
			23	Parker, J	A	A	P
			24	Yue, Y	A	A	P
			25	Elowitz, M	A	A	P
			26	Mazmanian, S	A	A	P
PERFORMING AND VISUAL ARTS							
PVA030C	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
PVA031C	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
PVA032C	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:00	Fr Rehearsal Hall HAM	P
PVA033C	0-3-0	Wind Orchestra	01	Price, G	R 19:30 - 21:45	Fr Rehearsal Hall HAM	P
PVA034C	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:15 - 21:00	Fr Rehearsal Hall HAM	P
					W 21:15 - 22:30	Fr Rehearsal Hall	

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PERFORMING AND VISUAL ARTS							
PVA034C	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B		HAM	P
PVA035C	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
PVA037C	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 22:00	Fr Rehearsal Hall HAM	P
PVA040C	2-0-1	Theater Arts Production	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA041C	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA042C	2-0-1	Improvisation for Scientists	01	Brophy, B	W 20:30 - 21:55	Ramo Auditorium BAX	P
PVA061C	0-3-0	Silk Painting <i>max enrollment: 18 students</i>	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PVA062C	0-3-0	Drawing and Painting <i>maximum enrollment: 18 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
PVA063C	0-3-0	Ceramics <i>maximum enrollment: 10 students</i>	01	Plunkett, L	R 19:00 - 21:55	POLY	P
PHILOSOPHY							
Hum/PI 041	3-0-6	Knowledge and Reality <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Chua, E	TR 14:30 - 15:55	115 BCK	
Hum/PI 044	3-0-6	Philosophy Through Science Fiction <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students per section</i>	01 02	Sebens, C Sebens, C	TR 13:00 - 14:25 TR 10:30 - 11:55	B119 BAX B119 BAX	
PI 090B	1-0-8	Senior Thesis <i>Instructor permission required prior to</i> <i>registering</i>	01	Eberhardt, F	A	A	

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PHILOSOPHY							
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>maximum enrollment: 15 students</i>	01	Hitchcock, C	TR 10:30 - 11:55	TR DAB	
HPS/PI 128	3-0-6	Philosophy of Mathematics <i>maximum enrollment: 15 students</i>	01	Hitchcock, C	TR 14:30 - 15:55	B133 BAX	
PI/HPS 183	3-0-6	Bioethics <i>maximum enrollment: 20 students // class full, see instructor for waitlist</i>	01	Helou, A	TR 10:30 - 11:55	115 BCK	
PHYSICAL EDUCATION							
PE 001	3-0-0	Wellness <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i>	01	Morgan, H	TR 09:00 - 10:25	BAC	P
PE 002	3-0-0	Student Designed Fitness <i>may only be taken once // maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i>	01	Blake, K	TR 10:30 - 11:55	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 students may not enroll until Add Day</i>	01	Gizella, M	TR 09:00 - 10:25	BAC	P
PE 008	3-0-0	Pickleball, Beginning <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i>	01	Meyring, E	MW 13:00 - 14:25	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

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PHYSICAL EDUCATION							
PE 014	3-0-0	Basketball Skills, Beginning/Intermediate <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i>	01	Tarakchian, A	TR 10:30 - 11:55	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 027	3-0-0	Ultimate Frisbee <i>maximum enrollment: 18 students // Graduate students may not enroll until Add Day</i>	01	Gillis, D	TR 13:00 - 14:25	BAC	P
PE 029	3-0-0	Outdoor Lawn Games <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i>	01	Gray, E / Wilson, S	MW 10:00 - 11:25	BAC	P
PE 030	3-0-0	Golf, Beginning and Intermediate <i>maximum enrollment: 14 students // Graduate students may not enroll until Add Day</i>	01	Bonafede, J	MW 13:00 - 14:25	BAC	P
PE 036	3-0-0	Swimming, Beginning/Intermediate <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i>	01	Brabson, A	MW 14:00 - 15:25	BAC	P
PE 044	3-0-0	Karate (Shotokan), Beginning and Intermediate/Advanced <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i>	01	Sugino, L	TR 14:30 - 15:55	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	MW 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

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PHYSICAL EDUCATION							
PE 071	3-0-0	Weight Training, Intermediate <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i>	01	Whitehead, K	MW 14:00 - 15:25	BAC	P
PE 081	3-0-0	Bouldering <i>may not be repeated // maximum enrollment: 12 students // Graduate students may not enroll until Add Day</i>	01	Herbison, J	TR 13:00 - 14:25	BAC	P
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>maximum enrollment: 12 students // Graduate students may not enroll until Add Day</i>	01	Gardner, T	MW 10:00 - 11:25	BAC	P
PE 085	3-0-0	Intercollegiate Track and Field Teams <i>Open to NCAA eligible students only</i>	01	Blake, K	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 093	3-0-0	Intercollegiate Baseball Team <i>Open to NCAA eligible students only</i>	01	Whitehead, K	MTWRFS 16:00 - 17:55	BAC	P
PE 095	3-0-0	Intercollegiate Tennis Teams <i>Open to NCAA eligible students only</i>	01	Weintraub, B / Clark, A	MTWRFS 16:00 - 17:55	BAC	P
PHYSICS							
Ph 001C	4-0-5	Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track // Sections 6-10 Analytical Track</i>	01	Refael, G	WF 15:00 - 15:55	201 BRG	
					MR 11:00 - 11:55	142 KCK	
			02	Refael, G	WF 15:00 - 15:55	201 BRG	
		MR 15:00 - 15:55	102 STL				
		03	Refael, G	WF 15:00 - 15:55	201 BRG		
				M 15:00 - 15:55	Hameetman Aud		
					CHL		

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PHYSICS							
Ph 001C	4-0-5	Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track // Sections 6-10 Analytical Track</i>	03	Refael, G	R 16:00 - 16:55	219 CHL	
			04	Refael, G	WF 15:00 - 15:55	201 BRG	
					MR 15:00 - 15:55	125 KRK	
			05	Refael, G	WF 15:00 - 15:55	201 BRG	
					MR 11:00 - 11:55	Hameetman Aud CHL	
			06	Patterson, R	WF 11:00 - 11:55	201 BRG	
					MR 15:00 - 15:55	255 LINDE	
			07	Patterson, R	WF 11:00 - 11:55	201 BRG	
					MR 11:00 - 11:55	125 KRK	
					WF 11:00 - 11:55	201 BRG	
Ph 002C	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Porter, F	TR 11:00 - 11:55	201 BRG	
					WF 11:00 - 11:55	107 DWN	
			02	Porter, F	TR 11:00 - 11:55	201 BRG	
					WF 13:00 - 13:55	269 LAU	
			03	Porter, F	TR 11:00 - 11:55	201 BRG	
					WF 15:00 - 15:55	107 DWN	
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				
Ph 007	0-9-0	Physics Laboratory	01	Rice, F / Politzer, H	OM,T 16:00 - 16:55	A	
Ph 008C	0-3-0	Experiments in Electromagnetism <i>open by permission of instructor only</i>	01	Spiropulu, M	A	A	

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PHYSICS							
FS/Ph 011C	2-0-4	First-Year Seminar: Beyond Physics	01	Phillips, R	A	A	P
Ph 012C	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Simmons-Duffin, D	TR 10:30 - 11:55	269 LAU	G
Ph 021	0-6-0	Computational Physics Laboratory II	01	McCuller, L / Adhikari, R	M 11:00 - 11:55 F 13:00 - 16:55	183 LINDE 183 LINDE	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	McCuller, L / Adhikari, R	M 11:00 - 11:55 F 13:00 - 16:55	183 LINDE 183 LINDE	P
Ph 070	2-0-4	Oral and Written Communication <i>maximum enrollment: 9 students</i>	01	Hitlin, D	T 14:00 - 15:25	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	
Ph 078C	9-0-0	Senior Thesis (Experiment)	01	Libbrecht, K	A	A	G
Ph 079C	+	Senior Thesis (Theory)	01	Libbrecht, K	A	A	P
Ay/Ph 104	3-0-6	Relativistic Astrophysics	01	Most, E	TR 09:00 - 10:25	219 CHL	
Ph 106C	4-0-5	Topics in Classical Physics	01	Golwala, S	TR 10:30 - 11:55	107 DWN	
Ph 107	3-0-6	Classical and Laser Optics	01	Hutzler, N / Adhikari, R	MWF 11:00 - 11:55	269 LAU	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	387 LINDE	

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PHYSICS							
Ph 121C	0-6-0	Computational Physics Lab	01	Motrunich, O	TR 10:30 - 11:25 OM,T 10:30 - 11:25	103 DWN 103 DWN	P
Ph 125C	4-0-5	Quantum Mechanics	01	Cheung, C	MWF 10:00 - 10:55	107 DWN	
APh/Ph 138B	3-0-6	Quantum Hardware and Techniques	01	Faraon, A / Minnich, A	TR 14:30 - 15:55	142 KCK	P
APh/Ph/Ae/MS 153	3-0-6	Fundamentals of Energy and Mass Transport in Small Scale Systems	01	Troian, S	TR 14:30 - 15:55	111 KCK	
Ph 171	+	Reading and Independent Study	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			07	Zurek, K	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P

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PHYSICS							
Ph 171	+	Reading and Independent Study	24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			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 171	+	Reading and Independent Study	57	Rice, F	A	A	P
			58	McCuller, L	A	A	P
			59	Ghaffari, A	A	A	P
			60	Ye, L	A	A	P
Ph 172	+	Research in Physics	01	Adhikari, R	A	A	P
			02	Atwater, H	A	A	P
			03	Bock, J	A	A	P
			04	Eisenstein, J	A	A	P
			05	Endres, M	A	A	P
			06	Filippone, B	A	A	P
			07	Golwala, S	A	A	P
			08	Harrison, F	A	A	P
			09	Hitlin, D	A	A	P
			10	Hsieh, D	A	A	P
			11	Hunt, M	A	A	P
			12	Hutzler, N	A	A	P
			13	Kimble, H	A	A	P
			15	Knutson, H	A	A	P
			16	Libbrecht, K	A	A	P
			17	Martin, C	A	A	P
			18	Mawet, D	A	A	P
			19	Nad Perge, S	A	A	P
			20	Newman, H	A	A	P
			21	Oguri, H	A	A	P
			22	Painter, O	A	A	P
			23	Patterson, R	A	A	P
			24	Phillips, R	A	A	P
			25	Porter, F	A	A	P
			26	Prince, T	A	A	P
			27	Rosenbaum, T	A	A	P
			28	Roukes, M	A	A	P
			29	Scherer, A	A	A	P
			30	Schwab, K	A	A	P

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PHYSICS							
Ph 172	+	Research in Physics	31	Spiropulu, M	A	A	P
			32	Stone, E	A	A	P
			33	Weinstein, A	A	A	P
			34	Yeh, N	A	A	P
			35	Zmuidzinas, J	A	A	P
			36	Yue, Y	A	A	P
			37	Bellan, P	A	A	P
			38	Wise, M	A	A	P
			39	Bernardi, M	A	A	P
			40	Chen, X	A	A	P
			41	Chen, Y	A	A	P
			42	Cheung, C	A	A	P
			43	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			44	Gukov, S	A	A	P
			45	Hopkins, P	A	A	P
			46	Kapustin, A	A	A	P
			47	Preskill, J	A	A	P
			48	Refael, G	A	A	P
			49	Simmons-Duffin, D	A	A	P
			50	Ravi, V	A	A	P
			51	Zurek, K	A	A	P
			52	Faraon, A	A	A	P
			53	Alicea, J	A	A	P
			54	Chan, G	A	A	P
			55	Teukolsky, S	A	A	P
			56	Chatzioannou, K	A	A	P
			57	Bradford, C	A	A	P
			58	Dore, O	A	A	P
			59	McCuller, L	A	A	P
			60	Motrunich, O	A	A	P
			61	Kasliwal, M	A	A	P
			62	Ye, L	A	A	P

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PHYSICS							
Ph 172	+	Research in Physics	63	Most, E	A	A	P
Ph 177	0-4-5	Advanced Experimental Physics	01	Rice, F / Hutzler, N	OM,M 16:00 - 16:55	304 BRG	
Ph 201	3-0-6	Candidacy Physics Fitness <i>class meets outside LAU 469 common area</i>	01	Endres, M	W 16:00 - 17:55	LAU	P
Ph 203	3-0-6	Nuclear Physics	01	Filippone, B	TR 10:30 - 11:55	289 LINDE	
Ph 205C	3-0-6	Relativistic Quantum Field Theory	01	Wise, M	MW 10:30 - 11:55	103 DWN	P
Ph/CS 219C	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	269 LAU	P
Ph/APh 223B	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	
Ph 229B	3-0-6	Advanced Mathematical Methods of Physics	01	Kapustin, A	TR 10:30 - 11:55	469 LAU	P
Ph 237	3-0-6	Gravitational Waves	01	Chen, Y	TR 14:30 - 15:55	269 LAU	
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

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PHYSICS							
Ph 300	+	Thesis Research	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	Marcolli, M	A	A	P
			28	Martin, C	A	A	P
			29	Mawet, D	A	A	P
			30	Motrunich, O	A	A	P
			31	Nad Perge, S	A	A	P
			32	Newman, H	A	A	P
			33	Oguri, H	A	A	P
			34	Painter, O	A	A	P
			35	Patterson, R	A	A	P
			36	Phillips, R	A	A	P
			37	Phinney, E	A	A	P
			38	Politzer, H	A	A	P
			39	Porter, F	A	A	P
			40	Preskill, J	A	A	P
			41	Prince, T	A	A	P
			42	Refael, G	A	A	P
			43	Rosenbaum, T	A	A	P
			44	Roukes, M	A	A	P
			45	Scherer, A	A	A	P

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PHYSICS							
Ph 300	+	Thesis Research	46	Schwab, K	A	A	P
			47	Schwarz, J	A	A	P
			48	Scoville, N	A	A	P
			49	Simmons-Duffin, D	A	A	P
			50	Spiropulu, M	A	A	P
			51	Stone, E	A	A	P
			52	Teukolsky, S	A	A	P
			53	Troian, S	A	A	P
			54	Weinstein, A	A	A	P
			55	Wise, M	A	A	P
			56	Yeh, N	A	A	P
			57	Yue, Y	A	A	P
			58	Zmuidzinas, J	A	A	P
			59	Ravi, V	A	A	P
			60	Chatzioannou, K	A	A	P
61	Zurek, K	A	A	P			
62	Most, E	A	A	P			
63	McCuller, L	A	A	P			
POLITICAL SCIENCE							
PS 012	3-0-6	Introduction to Political Science <i>maximum enrollment: 52 students</i>	01	Hirsch, A	TR 10:30 - 11:55	B125 BAX	
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Alvarez, R	A	A	
PS 120	3-0-6	American Electoral Behavior and Party Strategy <i>Designated as Writing Intensive Course</i>	01	Alvarez, R	MW 10:30 - 11:55	125 BAX	G

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POLITICAL SCIENCE							
PS 123	3-0-6	Regulation and Politics <i>Designated as Writing Intensive Course</i>	01	Kiewiet, D	W 19:30 - 21:25	B125 BAX	G
PS/Ec 128	3-0-6	Introduction to Public Health Economics and Policy <i>maximum enrollment: 15 students</i>	01	Cao, C	TR 09:00 - 10:25	B119 BAX	G
PS 139	3-0-6	Comparative Politics	01	Lopez-Moctezuma Jassan, G	M 19:00 - 21:55	125 BAX	G
PS 141B	3-0-6	A History of Budgetary Politics in the United States <i>designated as Writing Intensive course // maximum enrollment: 75 students</i>	01	Kiewiet, D	R 14:30 - 16:25	102 SPL	G
PSYCHOLOGY							
Psy013	3-0-6	Introduction to Cognitive Neuroscience <i>maximum enrollment: 100 students</i>	01	Mobbs, D	TR 10:30 - 11:55	Lecture Hall BAX	
Psy/CNS 105A	1.5-0-3.5	Frontiers in Neuroeconomics	01	O'Doherty, J	T 14:30 - 15:55	115 DAB	G
Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i>	01	Mobbs, D	W 10:00 - 12:55	B119 BAX	
Psy283C	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	115 DAB	P
SCIENTIFIC AND ENGINEERING COMMUNICATION							
SEC010	3-0-0	Technical Seminar Presentations <i>Open to E&AS Seniors only // Maximum enrollment: 18 students per section // to be added to the waitlist after class fills, go to https://forms.office.com/r/PdpAgZbPst</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

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SCIENTIFIC AND ENGINEERING COMMUNICATION							
SEC011	1-0-2	Written Academic Communication in Engineering and Applied Science <i>Priority given to seniors in E&AS and GPS // Maximum enrollment: 20 students // to be added to the waitlist after class fills, go to https://forms.office.com/r/B2qGYuQujs</i>	01	Meyer, V	W 13:00 - 13:55	104 WAT	G
SEC013	1-0-2	Written Communication about Engineering and Applied Science to Non-Specialists <i>Priority given to seniors in E&AS and GPS // Maximum enrollment: 20 students // to be added to the waitlist after class fills, go to https://forms.office.com/r/B2qGYuQujs</i>	01	Burkett, E	W 11:00 - 11:55	104 WAT	G
SOCIAL SCIENCE							
SS 201C	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i>	01	Sprenger, C / Camerer, C	TR 14:30 - 15:55	B125 BAX	G
SS 202C	3-0-6	Political Theory <i>Open to Social Science graduate students only.</i>	01	Lopez-Moctezuma Jassan, G	MW 13:00 - 14:25	127 BAX	G
SS 205C	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Pourbabae, M	MW 14:30 - 15:55	128 BAX	G
SS 210C	3-0-6	Foundations of Political Economy	01	Hirsch, A	F 13:00 - 15:55	128 BAX	G
SS 211C	3-0-6	Advanced Economic Theory	01	Caradonna, P	T 11:00 - 12:25 W 09:00 - 10:25	117 DAB 117 DAB	G
SS 212C	3-0-6	Experimental Economics	01	Agranov, M	W 14:30 - 15:55 R 13:00 - 14:25	239 BAX 239 BAX	G
SS 222C	3-0-6	Econometrics	01	Sherman, R	TR 13:00 - 14:25	B125 BAX	G
SS 223C	3-0-6	Topics in Theoretical and Applied Econometrics <i>Open to graduate students only</i>	01	Xin, Y	MR 10:30 - 11:55	117 DAB	G

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SOCIAL SCIENCE							
SS 228C	3-0-6	Applied Empirical Methods in the Social Sciences	01	Lopez-Moctezuma Jassan, G	T 13:00 - 15:55	239 BAX	G
SS 229B	3-0-6	Theoretical and Quantitative Dimensions of Historical Development <i>class cancelled</i>	01	Janas, P	A	A	G
SS 282C	1.5-0-1.5	Graduate Proseminar in Social Science	01	Xin, Y	M 14:30 - 15:55	127 BAX	P
SS 300	+	Research in Social Science	01	Cvitanic, J	A	A	P
			03	Echenique, F	A	A	P
			04	Hoffman, P	A	A	P
			06	Katz, J	A	A	P
			08	Tamuz, O	A	A	P
			09	Camerer, C	A	A	P
			11	Palfrey, T	A	A	P
			12	Kiewiet, D	A	A	P
			14	Alvarez, R	A	A	P
			15	Plott, C	A	A	P
			16	Hirsch, A	A	A	P
			17	Agranov, M	A	A	P
			18	Rosenthal, J	A	A	P
			19	Shum, M	A	A	P
			20	Rangel, A	A	A	P
			23	O'Doherty, J	A	A	P
			24	Perona, P	A	A	P
			25	Adolphs, R	A	A	P
			26	Shimojo, S	A	A	P
			28	Mobbs, D	A	A	P
			29	Sprenger, C	A	A	P
			30	Nielsen, K	A	A	P
			32	Pomatto, L	A	A	P
			33	Sherman, R	A	A	P

STUDENT ACTIVITIES

Web Address - <http://www.registrar.caltech.edu/>

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
STUDENT ACTIVITIES							
SA 016C	0-3-0	Cooking Basics <i>maximum enrollment: 20 students</i>	01	Mannion, T	R 19:00 - 21:55	Library AVE	P
SA 080C	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
SA 081	1-1-1	Peer Advocates <i>open only to Peer Advocates // maximum enrollment: 40 students</i>	01	Coleman, L / Tesfaye, M	R 19:00 - 20:55	269 LAU	P
STUDY ABROAD							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
VISUAL CULTURE							
Hum/VC 048	3-0-6	Ways of Seeing <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Jacobson, B	TR 14:30 - 15:55	B119 BAX	
Hum/VC 050	3-0-6	Introduction to Film <i>Attendance at first class meeting is required. // maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Jurca, C	TR 13:00 - 14:25	128 BAX	
VC 090	+	Reading in Visual Culture <i>instructor permission required to enroll</i>	01	Staff	A	A	P
VC 131	3-2-4	Visual Culture and the California Environment <i>maximum enrollment: 12 students</i>	01	Jacobson, B / Mushkin, H	TR 10:30 - 11:55	115 DAB	
VC 132	3-0-6	Visual Activism <i>maximum enrollment: 20 students</i>	01	Stielau, A	TR 10:30 - 11:55	228 BAX	G
VC 170	3-0-6	Special Topics in Visual Culture: Narrative in Twentieth Century American Art <i>maximum enrollment: 15 students</i>	01	Linkof, R	M 19:00 - 21:55	TR DAB	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
VISUAL CULTURE							
En/VC 172	3-0-6	Heritage and Its Discontents <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Jurca, C	TR 10:30 - 11:55	128 BAX	
WRITING							
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P
En/Wr 083	3-0-6	Personal Narrative and STEM Research <i>maximum enrollment: 15 students // open to undergraduate students only</i>	01	Hall, S	TR 13:00 - 14:25	121 BCK	
ESL/Wr 107	3-0-3	Fundamentals of Scientific Writing <i>class cancelled</i>	01	Manoukian, N	A	A	P