

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

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
HAM	Hameetman Center		

**TIMES/LOCATION/UNITS**

A = Hours/Location to be Arranged

+ = Units to be Arranged

OM = Organizational Meeting

**GRADING SCHEME**

G = Grades Only

P = Pass/Fail Only

Blank = Grades/may exercise P/F

**DAYS OF THE WEEK**

M = Monday

T = Tuesday

W = Wednesday

R = Thursday

F = Friday

S = Saturday

U = Sunday

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>AEROSPACE</b>							
Ae 100	+	Research in Aerospace	01	Gharib, M	A	A	P
			02	McKeon, B	A	A	P
			03	Chung, S	A	A	P
			04	Pellegrino, S	A	A	P
			05	Blanquart, G	A	A	P
			06	Shepherd, J	A	A	P
			07	Meiron, D	A	A	P
			08	Meiron, D	A	A	P
			09	Bae, H	A	A	P
			10	Rosakis, A	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Pullin, D	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	TR 09:00 - 10:25	115 GTL	G
Ae 103B	3-0-6	Aerospace Control Systems	01	Hadaegh, F	MW 14:30 - 15:55	232 GUG	
Ae/APh 104B	0-6-3	Experimental Methods	01	Dabiri, J	A	A	G
Ae 105B	2-4-3	Space Engineering	01	Watkins, M	TR 14:30 - 15:55	384 FIR	
Ae 121B	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	232 GUG	
Ae 150B	1-0-0	Aerospace Engineering Seminar	01	Austin, J	M 13:00 - 13:55	133 GUG	P
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Bhattacharya, K	MWF 09:00 - 09:55	135 GTL	G
Ae 200	+	Advanced Research in Aerospace	01	Schneider, T	A	A	P
			02	Burdick, J	A	A	P
			03	Colonus, T	A	A	P
			04	Dimotakis, P	A	A	P

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

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<b>AEROSPACE</b>							
Ae 204A	3-0-6	Technical Fluid Mechanics <i>class cancelled - will be offered spring term</i>	01	Staff	A	A	
Ae 208B	1-0-0	GALCIT Colloquium	01	Meiron, D	F 15:00 - 15:55	133 GUG	P
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Pullin, D	MWF 08:00 - 08:55	133 GUG	P
Ae 233	3-0-6	Hydrodynamic Stability	01	Dimotakis, P	MW 16:00 - 17:25	232 GUG	P
Ae 240	+	Special Topics in Fluid Mechanics <i>Sec 1: Educational Exchange</i>	01	Austin, J	A	A	P
Ae/AM/CE/ME/Ge 264	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	TR 14:00 - 15:25	133 GUG	
<b>ANTHROPOLOGY</b>							
An 097	+	Undergraduate Research	01	Staff	A	A	P
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM080B	+	Undergraduate Thesis	01	Saito, K	A	A	P
			02	Bruno, O	A	A	P
			03	Anandkumar, A	A	A	P
			04	Schroeder, P	A	A	P
ACM081B	+	Undergraduate Projects in Applied and Computational Mathematics	01	Chandrasekaran, V	A	A	P
			02	Wierman, A	A	A	P
			03	Zuev, K	A	A	P
			04	Leong, O	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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<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM095A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Hoffmann, F	MF 11:00 - 12:15 W 11:00 - 12:15	119 KRK 134 (Auditorium) BCK	
ACM100A	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Hoffmann, F	MF 11:00 - 12:15 W 11:00 - 12:15	119 KRK 134 (Auditorium) BCK	
ACM/IDS 101B	4-4-4	Methods of Applied Mathematics	01	Bruno, O	MW 10:00 - 11:55	104 ANB	
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	104 ANB	G
CMS/ACM/IDS 107B	3-0-9	Linear Analysis with Applications	01	Leong, O	TR 10:30 - 11:55	105 ANB	
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	155 ARM	
ACM118	3-0-9	Stochastic Processes and Regression	01	Owhadi, H	MW 13:00 - 14:25	104 ANB	G
Ma/ACM/IDS 140A	3-0-6	Probability	01	Vigneaux Ariztia, J	MWF 14:00 - 14:55	255 LINDE	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations	01	Marcolli, M	TR 13:00 - 14:25	187 LINDE	P
ACM/IDS 154	3-0-6	Inverse Problems and Data Assimilation	01	Baptista, R / Carlson, E	TR 13:00 - 14:25	105 ANB	G
IDS/ACM/CS 158	3-3-3	Fundamentals of Statistical Learning <i>maximum enrollment: 100 students // course prerequisites of ACM 104, ACM 116, and IDS 157 strictly enforced // class meets in MRE B270 on 2/5/24</i>	01	Zuev, K	MW 09:00 - 10:25	105 ANB	
CS/ACM 177A	3-3-3	Discrete Differential Geometry: Theory and Applications	01	Schroeder, P	TR 10:30 - 11:55	104 ANB	

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<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM190	+	Reading and Independent Study	01	Bruno, O	A	A	P
			02	Hoffmann, F	A	A	P
			03	Stuart, A	A	A	P
			04	Baptista, R	A	A	P
ACM/IDS 216	3-0-6	Markov Chains, Discrete Stochastic Processes and Applications	01	Owhadi, H	TR 09:00 - 10:25	104 ANB	G
ACM217	3-0-6	Advanced Topics in Probability: Random matrix theory	01	Tropp, J	MW 10:00 - 11:25	213 ANB	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Pullin, D	MWF 08:00 - 08:55	133 GUG	P
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	Pierce, N	A	A	P
			08	Owhadi, H	A	A	P
			09	Schroeder, P	A	A	P
			10	Hassibi, B	A	A	P
			11	Beck, J	A	A	P
			12	Stuart, A	A	A	P
			13	Graber, T	A	A	P
<b>APPLIED MECHANICS</b>							
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	TR 09:00 - 10:25	115 GTL	G
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
Ae/AM/CE/ME/Ge 265	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	TR 14:00 - 15:25	133 GUG	

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<b>APPLIED MECHANICS</b>							
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
<b>APPLIED PHYSICS</b>							
APh/EE 023	3-0-6	Demonstration Lectures in Classical and Quantum Photonics	01	Matsko, A	TR 09:00 - 10:25	125 STL	
EE/APh 040	3-0-6	Physics of Electrical Engineering	01	Marandi, A	MW 13:00 - 14:25	B270 MRE	
APh078B	+	Senior Thesis, Experimental	01	Faraon, A	A	A	P
			02	Scherer, A	A	A	P
			03	Phillips, R	A	A	P
			04	Painter, O	A	A	P
			05	Vahala, K	A	A	P
			06	Atwater, H	A	A	P
			07	Bellan, P	A	A	P
			08	Troian, S	A	A	P
			09	Yung, Y	A	A	P
			10	Schwab, K	A	A	P
			11	Knutson, H	A	A	P
			12	Endres, M	A	A	P
			13	Hajimiri, S	A	A	P
			14	Fultz, B	A	A	P
APh079B	+	Senior Thesis, Theoretical	01	Goddard, W	A	A	P
			02	Troian, S	A	A	P

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<b>APPLIED PHYSICS</b>							
APh079B	+	Senior Thesis, Theoretical	03	Kimble, H	A	A	P
APh100	+	Advanced Work in Applied Physics	01	Atwater, H	A	A	P
			02	Faraon, A	A	A	P
			03	Painter, O	A	A	P
			04	Scherer, A	A	A	P
			05	Troian, S	A	A	P
			07	Roukes, M	A	A	P
			08	Yang, C	A	A	P
			09	Bellan, P	A	A	P
			10	Phillips, R	A	A	P
			12	Minnich, A	A	A	P
			13	Kimble, H	A	A	P
			15	Falson, J	A	A	P
			16	Marandi, A	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Pullin, D	MWF 10:00 - 10:55	133 GUG	G
Ae/APh 104B	0-6-3	Experimental Methods	01	Dabiri, J	A	A	G
APh/MS/ME 105B	3-0-6	States of Matter	01	Fultz, B	TR 09:00 - 10:25	104 WAT	
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Ghaffari, A	OM,W 16:00 - 16:55	104 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	104 WAT	P
APh/Ph 112A	3-0-6	Noise and Stochastic Resonance	01	Troian, S	TR 14:30 - 15:55	111 KCK	
APh114B	3-0-6	Solid-State Physics	01	Nad Perge, S	MWF 09:00 - 09:55	104 WAT	



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<b>APPLIED PHYSICS</b>							
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	
APh/EE 131	3-0-6	Light Interaction with Atomic Systems - Lasers	01	Vahala, K	TR 13:00 - 14:25	104 WAT	
Ph/APh 137B	3-0-6	Atoms and Photons	01	Endres, M	TR 10:30 - 11:55	219 CHL	
APh156B	3-0-6	Plasma Physics	01	Bellan, P	MW 14:30 - 15:55	104 WAT	
EE/APh 158	3-0-6	Quantum Electrical Circuits	01	Mirhosseini, M	MW 10:30 - 11:55	B280 MRE	
BE/Bi/APh 161	3-0-9	Physical Biology of the Cell	01	Phillips, R	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
APh200	+	Applied Physics Research	01	Atwater, H	A	A	P
			02	Fultz, B	A	A	P
			03	Bellan, P	A	A	P
			04	Chen, Y	A	A	P
			05	Johnson, W	A	A	P
			06	Schwab, K	A	A	P
			07	Goddard, W	A	A	P
			08	Lewis, N	A	A	P
			09	Troian, S	A	A	P
			10	Preskill, J	A	A	P
			11	Refael, G	A	A	P
			12	Faraon, A	A	A	P
			13	Lewis, N	A	A	P
			14	Alicea, J	A	A	P
			15	Hsieh, D	A	A	P
			16	Minnich, A	A	A	P
			17	Yang, C	A	A	P
			18	Gharib, M	A	A	P
			19	Painter, O	A	A	P

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APh200	+	Applied Physics Research	20	Phillips, R	A	A	P
			21	Bernardi, M	A	A	P
			22	Kimble, H	A	A	P
			23	Roukes, M	A	A	P
			24	Nad Perge, S	A	A	P
			25	Scherer, A	A	A	P
			26	Hutzler, N	A	A	P
			28	Yeh, N	A	A	P
			29	Endres, M	A	A	P
			30	Vahala, K	A	A	P
			31	Yariv, A	A	A	P
			32	Rosenbaum, T	A	A	P
			33	Adhikari, R	A	A	P
			34	Meiron, D	A	A	P
			35	Elowitz, M	A	A	P
			36	Bock, J	A	A	P
			37	Cushing, S	A	A	P
			38	Falson, J	A	A	P
			39	Motrunich, O	A	A	P
			40	Spiropulu, M	A	A	P
			41	Marandi, A	A	A	P
			42	Daraio, C	A	A	P
			43	Mirhosseini, M	A	A	P
			44	Chan, G	A	A	P
			45	Schneider, T	A	A	P
			46	Burdick, J	A	A	P
			Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J
APh300	+	Thesis Research in Applied Physics	01	Faraon, A	A	A	P
			02	Bellan, P	A	A	P
			03	Flagan, R	A	A	P
			04	Refael, G	A	A	P

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APh300	+	Thesis Research in Applied Physics	06	Troian, S	A	A	P
			07	Fultz, B	A	A	P
			08	Schwab, K	A	A	P
			10	Hsieh, D	A	A	P
			11	Faber, K	A	A	P
			12	Hutzler, N	A	A	P
			13	Minnich, A	A	A	P
			15	Phillips, R	A	A	P
			16	Daraio, C	A	A	P
			17	Rosenbaum, T	A	A	P
			18	Roukes, M	A	A	P
			20	Scherer, A	A	A	P
			21	Chen, Y	A	A	P
			24	Vahala, K	A	A	P
			25	Yariv, A	A	A	P
			28	Painter, O	A	A	P
			29	Zmuidzinas, J	A	A	P
			30	Atwater, H	A	A	P
			31	Bernardi, M	A	A	P
			32	Nad Perge, S	A	A	P
33	Marandi, A	A	A	P			
34	Falson, J	A	A	P			
35	Endres, M	A	A	P			
36	Burdick, J	A	A	P			
<b>ASTROPHYSICS</b>							
Ay 021	3-0-6	Galaxies and Cosmology <i>Not open to seniors. Open to first-years with instructor approval.</i>	01	Djorgovski, S	MW 14:00 - 14:55 F 14:00 - 14:55	Hameetman Aud CHL 219 CHL	
Ay 031	1-0-2	Writing in Astronomy	01	Hallinan, G	F 15:00 - 15:55	219 CHL	G
Ay 043	+	Reading in Astronomy and Astrophysics	01	Staff	A	A	P

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<b>ASTROPHYSICS</b>							
Ay 078B	+	Senior Thesis	01	Bock, J	A	A	P
			02	Fuller, J	A	A	P
			03	Hillenbrand, L	A	A	P
			04	Steidel, C	A	A	P
			05	Cohen, J	A	A	P
			06	Phinney, E	A	A	P
			07	Howard, A	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P
			10	Harrison, F	A	A	P
			11	Hallinan, G	A	A	P
			12	Scoville, N	A	A	P
			13	Hopkins, P	A	A	P
			14	Djorgovski, S	A	A	P
			15	Knutson, H	A	A	P
			16	Kasliwal, M	A	A	P
			17	Mawet, D	A	A	P
			18	Blake, G	A	A	P
			19	Ravi, V	A	A	P
			20	El-Badry, K	A	A	P
			21	El-Badry, K	A	A	P
			22	Batygin, K	A	A	P
Ay 102	3-0-6	Physics of the Interstellar Medium	01	Phinney, E	MWF 13:00 - 13:55	219 CHL	
Ay 111B	1-0-0	Introduction to Current Astrophysics Research	01	Djorgovski, S	F 11:00 - 11:55	219 CHL	P
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 14:00 - 14:55	162 SMD	
Ay 122B	3-0-6	Astronomical Measurements and Instrumentation	01	Ravi, V	TR 16:00 - 17:25	219 CHL	

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<b>ASTROPHYSICS</b>							
Ay 123	3-0-6	Structure and Evolution of Stars	01	El-Badry, K	TR 14:30 - 15:55	219 CHL	
Ay 124	3-0-6	Structure and Evolution of Galaxies	01	Hopkins, P	MW 10:30 - 11:55	219 CHL	
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 13:00 - 13:55	176 SMD	
Ay 141B	1-0-1	Research Conference in Astronomy	01	Steidel, C	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Fuller, J	A	A	P
			02	Blake, G	A	A	P
			03	Harrison, F	A	A	P
			04	Brown, M	A	A	P
			05	Phinney, E	A	A	P
			06	Djorgovski, S	A	A	P
			07	Howard, A	A	A	P
			08	Kasliwal, M	A	A	P
			09	Hillenbrand, L	A	A	P
			10	Fuller, J	A	A	P
			11	Kulkarni, S	A	A	P
			12	Hallinan, G	A	A	P
			13	Martin, C	A	A	P
			14	Bock, J	A	A	P
			15	Golwala, S	A	A	P
			16	Prince, T	A	A	P
			17	Hopkins, P	A	A	P
			18	El-Badry, K	A	A	P
			19	Sargent, A	A	A	P
			20	Ravi, V	A	A	P
			21	Readhead, A	A	A	P
			22	Dore, O	A	A	P
			23	Steidel, C	A	A	P
			27	Stevenson, D	A	A	P

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<b>ASTROPHYSICS</b>							
Ay 142	+	Research in Astronomy and Astrophysics	28	Cohen, J	A	A	P
			29	Knutson, H	A	A	P
			30	Mawet, D	A	A	P
			31	Batygin, K	A	A	P
			32	El-Badry, K	A	A	P
			33	Zmuidzinas, J	A	A	P
			34	Ehlmann, B	A	A	P
			35	Most, E	A	A	P
Ay 143	+	Reading and Independent Study	01	Sargent, A	A	A	P
			02	Kulkarni, S	A	A	P
			03	El-Badry, K	A	A	P
			04	Hopkins, P	A	A	P
			06	Brown, M	A	A	P
			07	Blake, G	A	A	P
			08	Knutson, H	A	A	P
			09	Batygin, K	A	A	P
			10	El-Badry, K	A	A	P
			Ay 144	+	Independent Writing in Astronomy	01	Golwala, S
02	Mawet, D	A				A	P
03	Dore, O	A				A	P
4	Hillenbrand, L	A				A	P
5	Batygin, K	A				A	P
Ge/Ay 159	3-0-6	Astrobiology	01	Yung, Y	MWF 11:00 - 11:55	162 SMD	
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	R 12:00 - 12:55	101 SCH	P
Bi/BMB 251B	+	Current Research in Biology and Biological Engineering	01	Hay, B	A	A	P

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Pachter, L	A	A	P
			03	Rothmund, P	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			07	Greer, J	A	A	P
			08	Campbell, J	A	A	P
			09	Phillips, R	A	A	P
			10	Hay, B	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Phillips, R	A	A	P
			13	Parker, C	A	A	P
			14	Barton, J	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P
			19	Mazmanian, S	A	A	P
			20	Shan, S	A	A	P
			22	Elowitz, M	A	A	P
			23	Dervan, P	A	A	P
			24	Dunphy, W	A	A	P
			25	Tirrell, D	A	A	P
			26	Chong, S	A	A	P
			27	Meyerowitz, E	A	A	P
			28	Rothenberg, E	A	A	P
			29	Clemons, W	A	A	P
			30	Leadbetter, J	A	A	P
			31	Kennedy, M	A	A	P
			32	Lester, H	A	A	P
			33	Murray, R	A	A	P
			34	Mazmanian, S	A	A	P
			35	Baltimore, D	A	A	P
			36	Wang, Z	A	A	P

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	37	Gharib, M	A	A	P
			39	Sternberg, P	A	A	P
			40	Davis, M	A	A	P
			41	Pierce, N	A	A	P
			42	Gray, H	A	A	P
			43	Roukes, M	A	A	P
			44	Newman, D	A	A	P
			45	Cai, L	A	A	P
			46	Varshavsky, A	A	A	P
			47	Hoelz, A	A	A	P
			48	Goentoro, L	A	A	P
			49	Guttman, M	A	A	P
			50	Shapiro, M	A	A	P
			51	Ismagilov, R	A	A	P
			52	Meister, M	A	A	P
			53	Chan, D	A	A	P
			54	Zinn, K	A	A	P
			55	Chou, T	A	A	P
			56	Voorhees, R	A	A	P
			57	Winfree, E	A	A	P
			58	Wagenaar, D	A	A	P
			60	Parker, J	A	A	P
			61	Thomson, M	A	A	P
			62	Semlow, D	A	A	P
			63	Stathopoulos, A	A	A	P
			64	Wang, K	A	A	P
			65	Nelson, H	A	A	P
66	Orphan, V	A	A	P			
67	Zakem, E	A	A	P			
<b>BIOENGINEERING</b>							
BE/Bi 025	3-0-6	Biophysical Chemistry	01	Bois, J	TR 09:00 - 10:25	100 - Rock Auditorium BRD	



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

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<b>BIOENGINEERING</b>							
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	35	Aravin, A	A	A	P
			36	Qian, L	A	A	P
			37	Shapiro, M	A	A	P
			38	Mazmanian, S	A	A	P
			39	Van Valen, D	A	A	P
			40	Thomson, M	A	A	P
			41	Dickinson, M	A	A	P
			42	Wang, K	A	A	P
			43	Chou, T	A	A	P
			44	Pachter, L	A	A	P
			45	Goentoro, L	A	A	P
			46	Hay, B	A	A	P
			47	Bronner Hansen, M	A	A	P
			48	Wold, B	A	A	P
49	Daraio, C	A	A	P			
50	Prober, D	A	A	P			
51	Meyerowitz, E	A	A	P			
BE 099B	+	Senior Thesis in Bioengineering	01	Gradinaru, V	A	A	P
			02	Murray, R	A	A	P
			03	Elowitz, M	A	A	P
			04	Shapiro, M	A	A	P
			05	Winfree, E	A	A	P
			06	Daraio, C	A	A	P
			07	Pierce, N	A	A	P
BE/Bi 103B	1-3-5	Statistical Inference in the Biological Sciences	01	Bois, J	M 09:00 - 09:55	100 - Rock Auditorium BRD	200 BRD
					W 09:00 - 11:55		
			02	Bois, J	M 09:00 - 09:55	100 - Rock Auditorium BRD	200 BRD
					W 13:00 - 15:55		
			03	Bois, J	M 10:00 - 10:55	100 - Rock Auditorium BRD	200 BRD
					W 09:00 - 11:55		
			04	Bois, J	M 10:00 - 10:55	100 - Rock Auditorium BRD	

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<b>BIOENGINEERING</b>							
BE/Bi 103B	1-3-5	Statistical Inference in the Biological Sciences	04	Bois, J	W 13:00 - 15:55	200 BRD	
ChE/BE/MedE 112	3-0-6	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	113 SPL	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	
Bi/BE 119	3-0-6	Morphogenesis of Developmental Systems	01	Stathopoulos, A	TR 10:30 - 11:55	200 BRD	
Bi/BE 129	3-0-6	The Biology and Treatment of Cancer	01	Campbell, J / Zinn, K	MWF 10:00 - 10:55	130 CNRB	
BE/Bi/APh 161	3-0-9	Physical Biology of the Cell	01	Phillips, R	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Murray, R	MWF 11:00 - 11:55	B180 BBB	
EE/BE/MedE 185	3-0-6	Micro/Nano Technology for Semiconductor and Medical Device	01	Tai, Y	MW 10:30 - 11:55	142 KCK	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	142 KCK	G
BE/CS 196A	2-4-6	Design and Construction of Programmable Molecular Systems <i>maximum enrollment: 16 students // class will meet in KRK 101 week of 2/5/24 and 2/12/24</i>	01	Qian, L	TR 13:00 - 13:55 TR 14:00 - 15:55	B136 KRK B127 KRK	
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Troian, S	A	A	P
			03	Burdick, J	A	A	P
			04	Rothmund, P	A	A	P
			05	Dervan, P	A	A	P
			06	Goentoro, L	A	A	P
			07	Gharib, M	A	A	P

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<b>BIOENGINEERING</b>							
BE 200	+	Research in Bioengineering	08	Hajimiri, S	A	A	P
			09	Newman, D	A	A	P
			10	Lester, H	A	A	P
			11	Guttman, M	A	A	P
			12	Pierce, N	A	A	P
			13	Meister, M	A	A	P
			14	Goddard, W	A	A	P
			15	Ismagilov, R	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Thomson, M	A	A	P
			22	Dickinson, M	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Lois, C	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Shapiro, M	A	A	P
			29	Phillips, R	A	A	P
			30	Mayo, S	A	A	P
			31	Sternberg, P	A	A	P
			32	Gradinaru, V	A	A	P
			33	Andersen, R	A	A	P
			34	Qian, L	A	A	P
			35	Kornfield, J	A	A	P
			36	Bjorkman, P	A	A	P
			37	Cai, L	A	A	P
			38	Hong, E	A	A	P
			39	Greer, J	A	A	P
			40	Pachter, L	A	A	P

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<b>BIOENGINEERING</b>							
BE 200	+	Research in Bioengineering	41	Mazmanian, S	A	A	P
			42	Wang, K	A	A	P
			44	Van Valen, D	A	A	P
			46	Rutishauser, U	A	A	P
			47	Chan, D	A	A	P
			48	Fejes Toth, K	A	A	P
			49	Wold, B	A	A	P
			50	Emami, A	A	A	P
			51	Rothenberg, E	A	A	P
			52	Daraio, C	A	A	P
			53	Demirer, G	A	A	P
			54	Shimojo, S	A	A	P
			55	Chong, S	A	A	P
			56	Chung, S	A	A	P
BE 201	+	Reading the Bioengineering Literature <i>Required for first and second year BE grad students // class meets on Tuesdays, 12-1:30pm in CNRB 130</i>	01	Winfree, E	A	A	P
Bi/BE 227	2-6-4	Methods in Modern Microscopy	01	Collazo, A	MW 10:00 - 10:55	152 BRN	
<b>BIOLOGY</b>							
Bi 001C	3-0-6	Biology Through the Algorithmic Lens <i>open by application only, apply by Nov 10 at <a href="https://registrar.caltech.edu/BiI_WI2024">https://registrar.caltech.edu/BiI_WI2024</a> // maximum enrollment: 20 students // pass/fail for all first-year students and graded only for all non-first-year students</i>	01	Pachter, L	TR 13:00 - 14:25	340A CNRB	
Bi 001I	4-0-5	Construction and Guidance of Biological Defense <i>open by application only, apply by Nov 10 at <a href="https://registrar.caltech.edu/BiI_WI2024">https://registrar.caltech.edu/BiI_WI2024</a> // maximum enrollment: 20 students // pass/fail for all first-year students and graded only for all</i>	01	Rothenberg, E	TR 13:00 - 14:25 R 19:00 - 19:55	152 BRN 101 KRK	

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<b>BIOLOGY</b>							
Bi 008	3-0-6	Foundational Principles of Molecular Biology <i>Maximum enrollment: 30 students per section // class meets in BBB B180 on 1/9/24 and 1/30/24</i>	01	Guttman, M / Hong, E	TR 13:00 - 14:25	100 CNRB	
					W 15:00 - 15:55	130 CNRB	
			02	Guttman, M / Hong, E	TR 13:00 - 14:25	100 CNRB	
					R 19:00 - 19:55	130 CNRB	
			03	Guttman, M / Hong, E	TR 13:00 - 14:25	100 CNRB	
					F 14:00 - 14:55	130 CNRB	
Bi 021	+	Undergraduate Research with Presentation <i>minimum 12 units per term</i>	01	Dunphy, W	A	A	P
Bi 022	+	Undergraduate Research	01	Chan, D	A	A	P
			02	Quartz, S	A	A	P
			03	Allman, J	A	A	P
			04	Anderson, D	A	A	P
			05	Parker, C	A	A	P
			06	Arnold, F	A	A	P
			07	Baltimore, D	A	A	P
			08	Sternberg, P	A	A	P
			09	Lester, H	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Leadbetter, J	A	A	P
			13	Adolphs, R	A	A	P
			14	Shapiro, M	A	A	P
			15	Rothenberg, E	A	A	P
			16	Hay, B	A	A	P
			17	Cai, L	A	A	P
			18	Shan, S	A	A	P
			19	Campbell, J	A	A	P
			20	Clemons, W	A	A	P
			21	Stevenson, D	A	A	P
			22	Orphan, V	A	A	P
			23	Varshavsky, A	A	A	P
			24	Meyerowitz, E	A	A	P

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Bi 022	+	Undergraduate Research	25	Meister, M	A	A	P
			26	Winfrey, E	A	A	P
			27	Mazmanian, S	A	A	P
			28	Tirrell, D	A	A	P
			29	Shimojo, S	A	A	P
			30	Wold, B	A	A	P
			31	Sternberg, P	A	A	P
			32	Kennedy, M	A	A	P
			33	Newman, D	A	A	P
			35	Gradinaru, V	A	A	P
			36	Prober, D	A	A	P
			37	Thomson, M	A	A	P
			38	Chou, T	A	A	P
			39	Goentoro, L	A	A	P
			40	Goddard, W	A	A	P
			41	Stathopoulos, A	A	A	P
			42	Zinn, K	A	A	P
			43	Rangel, A	A	A	P
			44	Parker, J	A	A	P
			45	Davis, M	A	A	P
			46	Murray, R	A	A	P
			48	Elowitz, M	A	A	P
			49	Prober, D	A	A	P
			50	Bronner Hansen, M	A	A	P
			51	Aravin, A	A	A	P
			52	Aravin, A	A	A	P
			53	Clemons, W	A	A	P
			54	Mazmanian, S	A	A	P
			55	Newman, D	A	A	P
			56	Shan, S	A	A	P
			57	Guttman, M	A	A	P
			59	Hong, E	A	A	P
			60	Pachter, L	A	A	P

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Bi 022	+	Undergraduate Research	61	Zernicka-Goetz, M	A	A	P
			62	Wang, K	A	A	P
			63	Andersen, R	A	A	P
			64	Van Valen, D	A	A	P
			65	Glover, D	A	A	P
			66	Dunphy, W	A	A	P
			67	Siapas, A	A	A	P
Bi 023	1-0-2	Biology Tutorials <i>Sec 1: Human Memory// Sec 2: Building the Brain from scratch: Brain Organoids // Sec 3: Rhythms of the Brain and Body: An Exploration of the Neural Basis for Animal Dance and Communication</i>	01	Prober, D	W 11:00 - 11:55	322 CNRB	P
			02	Panda, P	F 11:00 - 11:55	322 CNRB	P
			03	Kanwal, J	OM,W 16:00 - 16:55	A	P
BE/Bi 025	3-0-6	Biophysical Chemistry	01	Bois, J	TR 09:00 - 10:25	100 - Rock Auditorium BRD	
Bi 090B	+	Undergraduate Thesis	01	Doyle, J / Kennedy, M	A	A	P
			02	Wold, B / Kennedy, M	A	A	P
			03	Sternberg, P / Kennedy, M	A	A	P
			04	Lester, H / Kennedy, M	A	A	P
			05	Kennedy, M / Newman, D	A	A	P
			06	Anderson, D / Kennedy, M	A	A	P
			07	Wold, B / Kennedy, M	A	A	P
			09	Allman, J / Kennedy, M	A	A	P
			10	Rothenberg, E / Kennedy, M	A	A	P
			11	Rangel, A / Kennedy, M	A	A	P
			12	Gradinaru, V / Kennedy, M	A	A	P
			13	Davis, M / Kennedy, M	A	A	P
			14	Baltimore, D / Kennedy, M	A	A	P
			15	Rothenberg, E /	A	A	P



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<b>BIOLOGY</b>							
Bi 090B	+	Undergraduate Thesis	16	Hassibi, B / Kennedy, M	A	A	P
			17	Kennedy, M / Hsieh-Wilson, L	A	A	P
			18	Siapas, A / Kennedy, M	A	A	P
			19	Kennedy, M / Mazmanian, S	A	A	P
			20	Bronner Hansen, M / Kennedy, M	A	A	P
			21	Kennedy, M / Hong, E	A	A	P
			22	Kennedy, M / Lester, H	A	A	P
			23	Kennedy, M / Guttman, M	A	A	P
			24	Kennedy, M / Clemons, W	A	A	P
			25	Kennedy, M / Zernicka-Goetz, M	A	A	P
Bi 090C	+	Undergraduate Thesis	01	Bronner Hansen, M / Kennedy, M	A	A	P
CNS/Psy/Bi 102A	3-0-6	Social and Decision Neuroscience <i>class meets in Broad 200 on 1/8/24</i>	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 CNRB	
BE/Bi 103B	1-3-5	Statistical Inference in the Biological Sciences	01	Bois, J	M 09:00 - 09:55 W 09:00 - 11:55	100 - Rock Auditorium BRD 200 BRD	
			02	Bois, J	M 09:00 - 09:55 W 13:00 - 15:55	100 - Rock Auditorium BRD 200 BRD	
			03	Bois, J	M 10:00 - 10:55 W 09:00 - 11:55	100 - Rock Auditorium BRD 200 BRD	
			04	Bois, J	M 10:00 - 10:55 W 13:00 - 15:55	100 - Rock Auditorium BRD 200 BRD	
Bi/Ge/ESE 105	3-4-5	Evolution	01	Phillips, R / Orphan, V	MW 13:00 - 14:25	100 - Rock Auditorium BRD	

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<b>BIOLOGY</b>							
Ch/Bi 110B	4-0-8	Introduction to Biochemistry	01	Rees, D / Clemons, W	W 15:00 - 15:55 MWF 11:00 - 11:55	147 NYS 147 NYS	
Bi 116	3-0-6	Microbial Genetics	01	Mazmanian, S / Newman, D	TR 13:00 - 14:25	200 BRD	
Bi 117	3-0-6	Developmental Biology	01	Bronner Hansen, M / Zernicka-Goetz, M	M 19:00 - 19:55 TR 13:00 - 14:25	100 - Rock Auditorium BRD 100 - Rock Auditorium BRD	
Bi/BE 119	3-0-6	Morphogenesis of Developmental Systems	01	Stathopoulos, A	TR 10:30 - 11:55	200 BRD	
Bi/BE 129	3-0-6	The Biology and Treatment of Cancer	01	Campbell, J / Zinn, K	MWF 10:00 - 10:55	130 CNRB	
Bi 145B	3-0-6	Tissue and Organ Physiology	01	Tydell, C	TR 19:00 - 20:25	152 BRN	
BE/Bi/APh 161	3-0-9	Physical Biology of the Cell	01	Phillips, R	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
NB/Bi/CNS 163	3-0-3	The Biological Basis of Neural Disorders	01	Lester, H / Lois, C	MW 09:00 - 10:25	B101 BBB	
Pl/CNS/NB/Bi/Psy 167	3-0-6	Consciousness <i>open by application only, apply at <a href="http://registrar.caltech.edu/PL167">http://registrar.caltech.edu/PL167</a> // maximum enrollment: 15 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	B101 BBB	G
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Murray, R	MWF 11:00 - 11:55	B180 BBB	
ESE/Ge/Bi/IDS 184	3-0-6	Computational Tools for Decoding Microbial Ecosystems <i>max enrollment: 15 students</i>	01	Karthikeyan, S	TR 10:30 - 11:55	162 SMD	
CNS/Bi/EE/CS/NB 186	4-4-4	Vision: From Computational Theory to Neuronal Mechanisms <i>class meets in BBB B180 on 1/11/24</i>	01	Meister, M / Perona, P / Shimojo, S / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	

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<b>BIOLOGY</b>							
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	142 KCK	G
NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function <i>postponed to spring term</i>	01	Anderson, D	A	A	
Bi/BE 227	2-6-4	Methods in Modern Microscopy	01	Collazo, A	MW 10:00 - 10:55	152 BRN	
Bi 250D	3-0-6	Topics in Developmental, Stem Cell and Evolutionary Biology	01	Bronner Hansen, M / Rothenberg, E / Zernicka-Goetz, M	TR 14:30 - 15:55	100 - Rock Auditorium BRD	
Bi/BMB 251B	+	Current Research in Biology and Biological Engineering	01	Hay, B	A	A	P
Bi 299	+	Graduate Research	01	Stathopoulos, A	A	A	P
			02	Lester, H	A	A	P
			03	Allman, J	A	A	P
			04	Andersen, R	A	A	P
			05	Anderson, D	A	A	P
			06	Varshavsky, A	A	A	P
			07	Mazmanian, S	A	A	P
			08	Fischer, W	A	A	P
			09	Pachter, L	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Campbell, J	A	A	P
			13	Chan, D	A	A	P
			14	Thomson, M	A	A	P
			15	Baltimore, D	A	A	P
			16	Dickinson, M	A	A	P
			17	Clemons, W	A	A	P
			18	Dunphy, W	A	A	P
			19	Voorhees, R	A	A	P
			20	Goddard, W	A	A	P
			21	Hay, B	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	22	Kennedy, M	A	A	P
			23	Scherer, A	A	A	P
			24	Orphan, V	A	A	P
			25	Arnold, F	A	A	P
			26	Pierce, N	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
			33	Gharib, M	A	A	P
			34	Kirschvink, J	A	A	P
			35	Hsieh-Wilson, L	A	A	P
			36	Shan, S	A	A	P
			37	Rothenberg, E	A	A	P
			38	Elowitz, M	A	A	P
			39	Guttman, M	A	A	P
			40	Shimojo, S	A	A	P
			41	Phillips, R	A	A	P
			42	Sternberg, P	A	A	P
			43	Cai, L	A	A	P
			44	Goentoro, L	A	A	P
			45	Winfree, E	A	A	P
			46	Wold, B	A	A	P
			49	Zinn, K	A	A	P
			50	de Kleer, K	A	A	P
			51	Elowitz, M	A	A	P
			52	Prober, D	A	A	P
			53	Adolphs, R	A	A	P
			54	Aravin, A	A	A	P
			55	Dougherty, D	A	A	P
			56	Tai, Y	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Burdick, J	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	59	Meister, M	A	A	P
			60	Siapas, A	A	A	P
			61	Murray, R	A	A	P
			62	Gradinaru, V	A	A	P
			63	Qian, L	A	A	P
			64	Oka, Y	A	A	P
			66	Shapiro, M	A	A	P
			67	Hong, E	A	A	P
			68	Ismagilov, R	A	A	P
			69	Phillips, R	A	A	P
			70	Parker, J	A	A	P
			71	Roukes, M	A	A	P
			72	Van Valen, D	A	A	P
			73	Wang, K	A	A	P
			74	Zernicka-Goetz, M	A	A	P
			75	Newman, H	A	A	P
			77	Chong, S	A	A	P
			78	Glover, D	A	A	P
			79	Demirer, G	A	A	P
80	McFall-Ngai, M	A	A	P			
81	Karthikeyan, S	A	A	P			
<b>BUSINESS, ECONOMICS, AND MANAGEMENT</b>							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
BEM103	3-0-6	Introduction to Finance	01	Rosenthal, J	MWF 09:00 - 09:55	Lecture Hall BAX	G
BEM111	3-0-6	Quantitative Risk and Portfolio Management	01	Winston, K	TR 19:00 - 20:25	228 BAX	
BEM113	3-0-6	Law and Finance for Start-Ups <i>maximum enrollment: 36 students // class closed,</i>	01	McAniff, P	TR 09:00 - 10:25	B125 BAX	

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<b>CHEMICAL ENGINEERING</b>							
ChE015	1-4-4	Introduction to Chemical Engineering Computation	01	Flagan, R	MW 13:00 - 14:55	B101 BBB	
ChE062	3-0-6	Separation Processes <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	G
ChE063B	3-0-6	Chemical Engineering Thermodynamics	01	Ismagilov, R	TR 10:30 - 11:55	113 SPL	
ChE070	1.5-0-1.5	Special Topics in Chemical Engineering: ChemE Car	01	Brady, J / Vicic, M	OM,T 12:00 - 12:55	122 SPL	P
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			02	Giapis, K	A	A	P
			03	Kornfield, J	A	A	P
			05	Ismagilov, R	A	A	P
			06	Lewis, N	A	A	P
			07	Davis, M	A	A	P
			09	Shapiro, M	A	A	P
			10	Goddard, W	A	A	P
			11	Hoelz, A	A	A	P
			12	Greer, J	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			15	Shapiro, M	A	A	P
			34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			38	Agapie, T	A	A	P
			39	Hadt, R	A	A	P
ChE090A	+	Undergraduate Thesis	02	Giapis, K	A	A	P
			03	Seinfeld, J	A	A	P
			04	Tirrell, D	A	A	P
			06	Flagan, R	A	A	P
			07	Gavalas, G	A	A	P
			08	Kornfield, J	A	A	P

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<b>CHEMICAL ENGINEERING</b>							
ChE090A	+	Undergraduate Thesis	09	Davis, M	A	A	P
			11	Wang, Z	A	A	P
			13	Brady, J	A	A	P
			14	Greer, J	A	A	P
			15	Cai, L / Arnold, F	A	A	P
			17	Fu, G	A	A	P
			18	Atwater, H	A	A	P
ChE090B	0-4-5	Undergraduate Thesis	01	Giapis, K	A	A	
			02	Tirrell, D	A	A	
			03	Kornfield, J	A	A	
			04	Cai, L / Arnold, F	A	A	
			05	Lewis, N	A	A	
			06	Flagan, R	A	A	
			07	Atwater, H	A	A	
			08	Mayo, S	A	A	
			09	Ismagilov, R	A	A	
			10	Seinfeld, J	A	A	
			11	Wang, Z	A	A	
			12	Greer, J	A	A	
			13	Clemons, W	A	A	
			14	See, K	A	A	
			15	Hoelz, A	A	A	
			16	Shapiro, M	A	A	
ChE090C	+	Undergraduate Thesis	01	Shapiro, M	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	101 SCH	G
ChE101	3-0-6	Chemical Reaction Engineering	01	Demirer, G	TR 14:30 - 15:55	106 SPL	
ChE103B	3-0-6	Transport Phenomena	01	Shapiro, M	MWF 10:00 - 10:55	106 SPL	

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<b>CHEMICAL ENGINEERING</b>							
ChE/ESE/ME/MS 111	3-0-6	Sustainable Engineering	01	Kornfield, J	TR 11:30 - 12:55	153 NYS	
ChE/BE/MedE 112	3-0-6	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	113 SPL	
ChE114	3-3-3	Solid State NMR Spectroscopy for Materials Chemistry	01	Hwang, S	TR 14:30 - 15:55	102 SPL	
ChE118	3-0-6	Introduction to the Design of Chemical Systems	01	Vicic, M	MWF 15:00 - 15:55	102 SPL	
ChE128	1-6-2	Chemical Engineering Design Laboratory <i>If unable to register, please contact instructor.</i>	01	Vicic, M / Giapis, K	M 12:00 - 12:55 WF 09:00 - 11:55	102 SPL 122 SPL	G
Ch/ChE 140B	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis, N	TR 13:00 - 14:25	216 NYS	
ChE141	2-1-6	Data Science for Chemical Systems <i>Max enrollment is 15 students; Priority given to ChE undergrads</i>	01	Vicic, M	TR 10:30 - 11:55	102 SPL	
ChE151A	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 09:00 - 09:55	106 SPL	G
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Murray, R	A	A	P
			04	Stoltz, B	A	A	P
			05	Pierce, N	A	A	P
			06	Dougherty, D	A	A	P
			07	Brady, J	A	A	P
			08	Atwater, H	A	A	P
			09	Elowitz, M	A	A	P
			10	Davis, M	A	A	P
			11	Greer, J	A	A	P



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<b>CHEMICAL ENGINEERING</b>							
ChE280	+	Chemical Engineering Research	12	Fultz, B	A	A	P
			13	Flagan, R	A	A	P
			14	See, K	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			19	Shapiro, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Kornfield, J	A	A	P
			22	Robb, M	A	A	P
			23	Lewis, N	A	A	P
			24	Wei, L	A	A	P
			25	Chan, G	A	A	P
			26	Pachter, L	A	A	P
			27	Wang, K	A	A	P
			28	Hadt, R	A	A	P
			36	Tirrell, D	A	A	P
			37	Wang, Z	A	A	P
			40	Seinfeld, J	A	A	P
			46	Ismagilov, R	A	A	P
			47	Guttman, M	A	A	P
			48	Mayo, S	A	A	P
			49	Agapie, T	A	A	P
			50	Gao, W	A	A	P
51	Manthiram, K	A	A	P			
52	Demirer, G	A	A	P			
53	Schneider, T	A	A	P			
54	Wennberg, P	A	A	P			
<b>CHEMISTRY</b>							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section // section 10 meets in 147 Noyes on 1/25/24 //</i>	01	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P
			02	Nelson, H	W 14:00 - 14:55 MWF 11:00 - 11:55	B122 GCL Lecture Hall BAX	P

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<b>CHEMISTRY</b>							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section // section 10 meets in 147 Noyes on 1/25/24 // lecture meets in Bridge 201 on 1/19/24</i>	02	Nelson, H	W 14:00 - 14:55	106 SPL	P
			03	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P
					W 15:00 - 15:55	106 SPL	
			04	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P
					W 14:00 - 14:55	151 CRL	
			05	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P
					W 16:00 - 16:55	151 CRL	
			06	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P
					W 16:00 - 16:55	101 SCH	
			07	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P
					W 14:00 - 14:55	147 NYS	
		08	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P	
				R 16:00 - 16:55	147 NYS		
		09	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P	
				W 15:00 - 15:55	101 SCH		
		10	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P	
				R 15:00 - 15:55	151 CRL		
		11	Nelson, H	MWF 11:00 - 11:55	Lecture Hall BAX	P	
				R 14:00 - 14:55	B122 GCL		
Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>open by lottery to Ch and ChE only; see REGIS to enter by Nov 15th // Students entering 2020 or before must take Ch 3 in their 1st 9 terms of residence in order to be graded pass/fail. Frosh entering 2021 must take Ch 3 in their first six terms of residence in order to be graded pass/fail</i>	01	Mendez, J	F 13:00 - 13:55	B122 GCL	P
					T 13:00 - 15:55	130 CHR	
			02	Mendez, J	F 13:00 - 13:55	B122 GCL	P
				T 19:00 - 21:55	130 CHR		
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>open by lottery only; see link on the REGIS home page to enter by Nov 15th // Max enroll: 24 students per sec // Frosh entering 2021 must take Ch 3 in their first six terms of residence in order to be graded pass/fail</i>	01	Mendez, J	F 09:00 - 09:55	B122 GCL	P
					T 08:00 - 10:55	B157 CRL	
			02	Mendez, J	F 09:00 - 09:55	B122 GCL	P
					T 13:00 - 15:55	B157 CRL	
			03	Mendez, J	F 09:00 - 09:55	B122 GCL	P
				T 19:00 - 21:55	B157 CRL		

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Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>open by lottery only; see link on the REGIS home page to enter by Nov 15th // Max enroll: 24 students per sec /// Frosh entering 2021 must take Ch 3 in their first six terms of residence in order to be graded pass/fail</i>	04	Mendez, J	F 09:00 - 09:55 W 13:00 - 15:55	B122 GCL B157 CRL	P
			05	Mendez, J	A	A	P
Ch 004A	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>open by lottery only; see link on the REGIS home page to enter by Nov 15th // maximum enrollment: 10 students</i>	01	Mendez, J	F 11:00 - 11:55 T 08:00 - 10:55 R 08:00 - 10:55	B122 GCL 130 CHR 130 CHR	
Ch 010B	1-0-0	Frontiers in Chemistry <i>Lab Hours TBA // open to first-years and sophomores only</i>	01	Hoelz, A	R 12:00 - 12:55	147 NYS	P
Ch 011	1-5-3	Biochemistry Laboratory	01	Hoelz, A / Chong, S	F 13:00 - 15:55 R 13:00 - 16:55	B126 KRK B125 KRK	
Ch 015	0-6-4	Chemical Equilibrium and Analysis Laboratory <i>class cancelled</i>	01	Staff	A	A	
Ch 021B	3-0-6	Physical Chemistry	01	Wei, L	MWF 13:00 - 13:55	147 NYS	G
Ch 041B	4-0-5	Organic Chemistry	01	Hsieh-Wilson, L	MWF 09:00 - 09:55 W 15:00 - 15:55	153 NYS 151 CRL	
			02	Hsieh-Wilson, L	W 20:00 - 20:55	151 CRL	
			03	Hsieh-Wilson, L	MWF 09:00 - 09:55	153 NYS	
			03	Hsieh-Wilson, L	MWF 09:00 - 09:55 R 20:00 - 20:55	153 NYS 151 CRL	
Ch 080	+	Chemical Research	01	Dervan, P	A	A	P
			02	Hsieh-Wilson, L	A	A	P
			03	Barton, J	A	A	P
			04	Beauchamp, J	A	A	P
			06	Goddard, W	A	A	P

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Ch 080	+	Chemical Research	07	Marcus, R	A	A	P
			08	Shan, S	A	A	P
			09	Bercaw, J	A	A	P
			11	Agapie, T	A	A	P
			12	Davis, M	A	A	P
			13	Chan, G	A	A	P
			14	Shapiro, M	A	A	P
			15	Arnold, F	A	A	P
			17	Gray, H	A	A	P
			18	Virgil, S	A	A	P
			19	Robb, M	A	A	P
			20	Kornfield, J	A	A	P
			21	Rossman, G	A	A	P
			22	Wei, L	A	A	P
			27	Okumura, M	A	A	P
			29	Peters, J	A	A	P
			30	Gao, W	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Reisman, S	A	A	P
			38	Weitekamp, D	A	A	P
			39	Lewis, N	A	A	P
			40	Rees, D	A	A	P
			41	Hoelz, A	A	A	P
			42	Fu, G	A	A	P
			43	Dougherty, D	A	A	P
			44	Hoffmann, M	A	A	P
			46	Clemons, W	A	A	P
			47	Blake, G	A	A	P
			49	Cushing, S	A	A	P
			50	See, K	A	A	P
			51	Mayo, S	A	A	P
			52	Chandrasekaran, V	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
Ch 080	+	Chemical Research	53	Demirer, G	A	A	P
Ch 081	+	Independent Reading in Chemistry	01	Robb, M	A	A	P
			02	Reisman, S	A	A	P
			03	Hoelz, A	A	A	P
			04	Gray, H	A	A	P
			05	Stoltz, B	A	A	P
			06	Goddard, W	A	A	P
			22	Lewis, N	A	A	P
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01	Rees, D / Okumura, M	A	A	P
			02	Shapiro, M / Okumura, M	A	A	P
			03	Okumura, M / Hoelz, A	A	A	P
			05	Agapie, T / Okumura, M	A	A	P
			06	Peters, J / Okumura, M	A	A	P
			07	Tirrell, D / Okumura, M	A	A	P
			08	Stoltz, B / Okumura, M	A	A	P
			09	Gray, H / Okumura, M	A	A	P
			10	Asimow, P / Okumura, M	A	A	P
			11	Dougherty, D / Okumura, M	A	A	P
			12	Wei, L / Okumura, M	A	A	P
			13	Rossmann, G / Okumura, M	A	A	P
			14	Reisman, S / Okumura, M	A	A	P
			15	Hsieh-Wilson, L / Okumura, M	A	A	P
			16	Hoelz, A / Okumura, M	A	A	P
			17	Chan, G / Okumura, M	A	A	P
			18	Arnold, F / Okumura, M	A	A	P
			19	Hadt, R / Okumura, M	A	A	P
			20	Okumura, M / Clemons, W	A	A	P

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<b>CHEMISTRY</b>							
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	21	Okumura, M / Reisman, S	A	A	P
			22	Goddard, W / Okumura, M	A	A	P
			23	Robb, M / Okumura, M	A	A	P
			24	Oka, Y / Okumura, M	A	A	P
			25	Fu, G / Okumura, M	A	A	P
			26	Newman, D / Okumura, M	A	A	P
Ch 090	2-0-1	Oral Presentation <i>maximum enrollment: 12 students</i>	01	Bikle, K	W 10:00 - 11:55	101 SCH	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Parker, C	M 14:00 - 15:55	101 SCH	G
Ch 104	4-0-5	Intermediate Organic Chemistry	01	Fu, G	TR 13:00 - 14:55	147 NYS	
Ch/Bi 110B	4-0-8	Introduction to Biochemistry	01	Rees, D / Clemons, W	W 15:00 - 15:55 MWF 11:00 - 11:55	147 NYS 147 NYS	
Ch 120A	3-0-6	Nature of the Chemical Bond	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch 125B	3-0-6	The Elements of Quantum Chemistry <i>class cancelled</i>	01	Weitekamp, D	A	A	
Ch 126	3-0-6	Molecular Spectroscopy	01	Winkler, J	TR 10:00 - 11:25	115 BCK	
Ge/Ch 128	3-0-6	Cosmochemistry	01	Blake, G	TR 13:00 - 14:25	162 SMD	
Ch 135	3-0-6	Chemical Kinetics and Reaction Dynamics <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
Ch/ChE 140B	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis, N	TR 13:00 - 14:25	216 NYS	

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<b>CHEMISTRY</b>							
Ch 153A	3-0-6	Advanced Inorganic Chemistry	01	Gray, H / Winkler, J	F 10:00 - 11:55	115 BCK	
Ch 154A	4-0-5	Organometallic Chemistry	01	Peters, J	TR 13:00 - 14:25	151 CRL	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z	TR 10:30 - 11:55	106 SPL	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
			02	Gray, H	A	A	P
			03	Giapis, K	A	A	P
			04	Goddard, W	A	A	P
			05	Peters, J	A	A	P
			6	Eiler, J	A	A	P
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	R 12:00 - 12:55	101 SCH	P
Ch 213B	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	
Ch 279	+	Rotations in Chemistry	01	Agapie, T	A	A	P
			02	Arnold, F	A	A	P
			03	Atwater, H	A	A	P
			04	Barton, J	A	A	P
			05	Beauchamp, J	A	A	P
			06	Bjorkman, P	A	A	P
			07	Blake, G	A	A	P
			08	Blanquart, G	A	A	P
			09	Campbell, J	A	A	P
			10	Chan, G	A	A	P
			11	Clemons, W	A	A	P
			12	Cushing, S	A	A	P

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<b>CHEMISTRY</b>							
Ch 279	+	Rotations in Chemistry	13	Davis, M	A	A	P
			14	Dervan, P	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
			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



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<b>CHEMISTRY</b>							
Ch 279	+	Rotations in Chemistry	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	Bjorkman, P	A	A	P
			03	Barton, J	A	A	P
			04	Beauchamp, J	A	A	P
			05	Bercaw, J	A	A	P
			06	Blake, G	A	A	P
			07	Chan, G	A	A	P
			08	Cai, L	A	A	P
			09	Fu, G	A	A	P
			10	Davis, M	A	A	P
			11	Dervan, P	A	A	P
			12	Dougherty, D	A	A	P
			13	Goentoro, L	A	A	P
			15	Reisman, S	A	A	P
			16	Goddard, W	A	A	P
			17	Gray, H	A	A	P
			19	Hsieh-Wilson, L	A	A	P
			20	Kornfield, J	A	A	P
			21	Wang, Z	A	A	P
			22	Lewis, N	A	A	P
			23	Atwater, H	A	A	P
			24	Hoffmann, M	A	A	P
			25	Mayo, S	A	A	P
			26	Clemons, W	A	A	P
			27	Okumura, M	A	A	P
			28	Ismagilov, R	A	A	P
			29	Peters, J	A	A	P
			30	Rees, D	A	A	P
			31	Cushing, S	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	32	Sternberg, P	A	A	P
			33	Newman, D	A	A	P
			34	Seinfeld, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			38	Weitekamp, D	A	A	P
			39	Blanquart, G	A	A	P
			40	Greer, J	A	A	P
			41	Atwater, H	A	A	P
			42	Lester, H	A	A	P
			43	Campbell, J	A	A	P
			44	Pierce, N	A	A	P
			45	Asimow, P	A	A	P
			46	Wennberg, P	A	A	P
			47	Eiler, J	A	A	P
			48	Elowitz, M	A	A	P
			49	Shan, S	A	A	P
			50	Agapie, T	A	A	P
			51	Hoelz, A	A	A	P
			52	Hadt, R	A	A	P
			53	Shapiro, M	A	A	P
			55	Adkins, J	A	A	P
			56	See, K	A	A	P
			57	Tai, Y	A	A	P
			58	Parker, J	A	A	P
			59	Robb, M	A	A	P
			60	Wei, L	A	A	P
			61	Voorhees, R	A	A	P
			62	Eiler, J	A	A	P
			63	Van Valen, D	A	A	P
			64	Minnich, A	A	A	P
			65	Faber, K	A	A	P
			66	Bernardi, M	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	67	Nelson, H	A	A	P
			68	Pachter, L	A	A	P
			69	Semlow, D	A	A	P
			70	Anandkumar, A	A	A	P
			71	Chong, S	A	A	P
			72	Manthiram, K	A	A	P
			73	Chou, T	A	A	P
			74	McFall-Ngai, M	A	A	P
			75	Chong, S	A	A	P
			76	Brown, M	A	A	P
			77	Daraio, C	A	A	P
78	Demirer, G	A	A	P			
<b>CIVIL ENGINEERING</b>							
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Pullin, D	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	TR 09:00 - 10:25	115 GTL	G
ME/CE/Ge/ESE 146	3-0-6	Computational Methods for Flow in Porous Media	01	Fu, X	MW 13:00 - 14:25	115 GTL	G
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
ME/CE/Ge 174	3-0-6	Mechanics of Rocks	01	Lapusta, N	MW 14:30 - 15:55	115 GTL	
CE 200	+	Advanced Work in Civil Engineering	01	Asimaki, D	A	A	P
Ae/AM/CE/ME/Ge 265	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	TR 14:00 - 15:25	133 GUG	
CE 300	+	Research in Civil Engineering	01	Asimaki, D	A	A	P
			02	Heaton, T	A	A	P
			03	Daraio, C	A	A	P

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<b>CIVIL ENGINEERING</b>							
CE 300	+	Research in Civil Engineering	04	Pellegrino, S	A	A	P
			05	Lapusta, N	A	A	P
			06	Andrade, J	A	A	P
			07	Fu, X	A	A	P
<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS/Psy/Bi 102A	3-0-6	Social and Decision Neuroscience <i>class meets in Broad 200 on 1/8/24</i>	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 CNRB	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	134 (Auditorium) BCK	
NB/Bi/CNS 163	3-0-3	The Biological Basis of Neural Disorders	01	Lester, H / Lois, C	MW 09:00 - 10:25	B101 BBB	
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	314 ANB	
PI/CNS/NB/Bi/Psy 167	3-0-6	Consciousness <i>open by application only, apply at <a href="http://registrar.caltech.edu/PL167">http://registrar.caltech.edu/PL167</a> // maximum enrollment: 15 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	B101 BBB	G
CNS180	+	Research in Computation and Neural Systems	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Perona, P	A	A	P
			05	Oka, Y	A	A	P
			06	Hoffmann, M	A	A	P
			07	Allman, J	A	A	P
			08	Lester, H	A	A	P
			09	Hong, E	A	A	P
			10	Pachter, L	A	A	P
			11	Murray, R	A	A	P
			12	Allman, J	A	A	P
			13	Gradinaru, V	A	A	P
			14	Shimojo, S	A	A	P
			16	Wold, B	A	A	P

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CNS180	+	Research in Computation and Neural Systems	17	Winfree, E	A	A	P			
			18	Rangel, A	A	A	P			
			19	Siapas, A	A	A	P			
			20	Prober, D	A	A	P			
			22	Andersen, R	A	A	P			
			23	Elowitz, M	A	A	P			
			24	Anderson, D	A	A	P			
			25	Adolphs, R	A	A	P			
			26	Kennedy, M	A	A	P			
			27	Quartz, S	A	A	P			
			28	O'Doherty, J	A	A	P			
			29	Camerer, C	A	A	P			
			30	Meister, M	A	A	P			
			31	Shapiro, M	A	A	P			
			32	Yue, Y	A	A	P			
			33	Thomson, M	A	A	P			
			34	Anandkumar, A	A	A	P			
			35	Dickinson, M	A	A	P			
			36	Rutishauser, U	A	A	P			
			37	Ames, A	A	A	P			
			38	Lois, C	A	A	P			
			40	Hong, E	A	A	P			
			41	Van Valen, D	A	A	P			
			42	Mobbs, D	A	A	P			
			43	Mazmanian, S	A	A	P			
			44	Gkioxari, G	A	A	P			
			CNS/Bi/EE/CS/NB 186 4-4-4		Vision: From Computational Theory to Neuronal Mechanisms <i>class meets in BBB B180 on 1/11/24</i>	01	Meister, M / Perona, P / Shimojo, S / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
			BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	142 KCK	G

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NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function <i>postponed to spring term</i>	01	Anderson, D	A	A	
CNS251	2-1-6	Human Brain Mapping: Theory and Practice	01	O'Doherty, J	R 13:30 - 15:25	B167 BRD	G
CNS280	+	Research in Computation and Neural Systems	01	Meister, M	A	A	P
			02	Elowitz, M	A	A	P
			03	Andersen, R	A	A	P
			04	Oka, Y	A	A	P
			05	Winfree, E	A	A	P
			06	Siapas, A	A	A	P
			07	Quartz, S	A	A	P
			08	Adolphs, R	A	A	P
			09	Murray, R	A	A	P
			12	Scherer, A	A	A	P
			13	Camerer, C	A	A	P
			14	Sternberg, P	A	A	P
			15	Perona, P	A	A	P
			16	Allman, J	A	A	P
			17	Gradinaru, V	A	A	P
			18	Pachter, L	A	A	P
			19	Bruck, J	A	A	P
			20	Burdick, J	A	A	P
			21	Shimojo, S	A	A	P
			22	Lester, H	A	A	P
			23	Wold, B	A	A	P
			24	Dickinson, M	A	A	P
			25	Hoffmann, M	A	A	P
			26	Rangel, A	A	A	P
			28	O'Doherty, J	A	A	P
			29	Thomson, M	A	A	P
			30	Lois, C	A	A	P
			31	Mobbs, D	A	A	P

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CNS280	+	Research in Computation and Neural Systems	32	Hong, E	A	A	P
			33	Van Valen, D	A	A	P
			34	Parker, J	A	A	P
			35	Rutishauser, U	A	A	P
			36	Gkioxari, G	A	A	P
SS/Psy/CNS 285	1.5-0-1.5	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L	M 17:00 - 18:25	127 BAX	P
<b>COMPUTER SCIENCE</b>							
CS 002	3-5-1	Introduction to Programming Methods <i>maximum enrollment: 15 students per section // sections 11 and 12 cancelled // CS 11, Section 2 is a new companion 3 unit course for CS 2 that covers "all the Java you need for CS 2". Consider signing up for it!</i>	01	Blank, A	MWF 14:00 - 14:55 T 10:00 - 10:55	134 (Auditorium) BCK 106 ANB	P
			02	Blank, A	MWF 14:00 - 14:55 T 11:00 - 11:55	134 (Auditorium) BCK 106 ANB	P
			03	Blank, A	MWF 14:00 - 14:55 T 12:00 - 12:55	134 (Auditorium) BCK 106 ANB	P
			04	Blank, A	MWF 14:00 - 14:55 T 13:00 - 13:55	134 (Auditorium) BCK 106 ANB	P
			05	Blank, A	MWF 14:00 - 14:55 T 14:00 - 14:55	134 (Auditorium) BCK 106 ANB	P
			06	Blank, A	MWF 14:00 - 14:55 T 15:00 - 15:55	134 (Auditorium) BCK 106 ANB	P
			07	Blank, A	MWF 14:00 - 14:55 T 16:00 - 16:55	134 (Auditorium) BCK 106 ANB	P
			08	Blank, A	MWF 14:00 - 14:55 T 17:00 - 17:55	134 (Auditorium) BCK 106 ANB	P
			09	Blank, A	MWF 14:00 - 14:55 T 18:00 - 18:55	134 (Auditorium) BCK 106 ANB	P
			10	Blank, A	MWF 14:00 - 14:55	134 (Auditorium) BCK	P

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<b>COMPUTER SCIENCE</b>							
CS 002	3-5-1	Introduction to Programming Methods <i>maximum enrollment: 15 students per section // sections 11 and 12 cancelled // CS 11, Section 2 is a new companion 3 unit course for CS 2 that covers "all the Java you need for CS 2". Consider signing up for it!</i>	10	Blank, A	T 19:00 - 19:55	106 ANB	P
			11	Blank, A	A	A	P
			12	Blank, A	A	A	P
			13	Blank, A	MWF 14:00 - 14:55	134 (Auditorium) BCK	P
					T 22:00 - 22:55	106 ANB	
CS 004	3-4-2	Fundamentals of Computer Programming	01	Vanier, M	MWF 15:00 - 15:55	134 (Auditorium) BCK	G
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Gherman, M	MWF 13:00 - 13:55	387 LINDE	
EE/CS 010A	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 <i>CS 1 or instructor's permission is required. // Sec 1: C // Sec 2: This section is a new companion 3 unit course for CS 2 that covers "all the Java you need for CS 2".</i>	01	Vanier, M	T 11:00 - 11:55	213 ANB	P
			02	Blank, A	MWF 13:00 - 13:55	134 (Auditorium) BCK	P
CS 012	+	Student-Taught Topics in Computing <i>Variable Units between 1-9 // Sec 9: Single Board Computers in Research // Sec 12: Quantum Learning</i>	09	Blank, A	OM,W 20:00 - 20:55	104 ANB	P
			12	Ralph, C	OM,W 19:00 - 19:55	104 ANB	P
CS 019B	1-0-1	Introduction to Computer Science in Industry <i>class cancelled</i>	01	Staff	A	A	P
CS 021	3-0-6	Decidability and Tractability <i>class meets in BRG 201 on 2/5/24</i>	01	Umans, C	MWF 13:00 - 13:55	105 ANB	G
CS 042	2-2-2	Computer Science Education in K-14 Settings	01	Ralph, C / Wierman, A	M 14:00 - 14:55	121 ANB	P
CS/EE/ME 075B	+	Multidisciplinary Systems Engineering <i>(2-3-1), (2-6-1), or (2-9-1) Units</i>	01	Chung, S / Carpenter, K	MW 19:00 - 20:25	135 GTL	
CS 080B	+	Undergraduate Thesis	01	Chandy, K	A	A	P
			02	Wierman, A	A	A	P



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<b>COMPUTER SCIENCE</b>							
CS 080B	+	Undergraduate Thesis	03	Schroeder, P	A	A	P
			04	Winfree, E	A	A	P
			05	Barr, A	A	A	P
			06	Murray, R	A	A	P
			07	Vidick, T	A	A	P
			08	Yue, Y	A	A	P
			09	Perona, P	A	A	P
			10	Umans, C	A	A	P
			11	Schulman, L	A	A	P
			13	Bruck, J	A	A	P
			14	Chung, S	A	A	P
			15	Virgil, S	A	A	P
			16	Katz, N	A	A	P
			17	Anandkumar, A	A	A	P
			CS 081B	+	Undergraduate Projects in Computer Science	01	Pinkston, D
02	Winfree, E	A				A	P
03	Barr, A	A				A	P
04	Chandy, K	A				A	P
05	Mahabal, A	A				A	P
06	Wierman, A	A				A	P
08	Rangel, A	A				A	P
09	Vanier, M	A				A	P
10	Perona, P	A				A	P
11	Murray, R	A				A	P
12	Adolphs, R	A				A	P
13	Umans, C	A				A	P
14	Burdick, J	A				A	P

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<b>COMPUTER SCIENCE</b>							
CS 081B	+	Undergraduate Projects in Computer Science	15	Low, S	A	A	P
			16	Plott, C	A	A	P
			17	Yue, Y	A	A	P
			18	Hassibi, B	A	A	P
			19	Djorgovski, S	A	A	P
			20	Schroeder, P	A	A	P
			21	Alvarez, R	A	A	P
			23	Ralph, C	A	A	P
			24	George, G	A	A	P
			25	Vidick, T	A	A	P
			26	Schulman, L	A	A	P
			27	Bunn, J	A	A	P
			28	Preskill, J	A	A	P
			29	Abu-Mostafa, Y	A	A	P
			30	Chung, S	A	A	P
			31	Thomson, M	A	A	P
			32	Chung, S	A	A	P
			33	Qian, L	A	A	P
			34	Blank, A	A	A	P
			35	Ames, A	A	A	P
			36	Bruck, J	A	A	P
37	Rangel, A	A	A	P			
38	Tamuz, O	A	A	P			
39	Anandkumar, A	A	A	P			
40	Van Valen, D	A	A	P			
41	Bouman, K	A	A	P			
42	Parker, J	A	A	P			
44	Bruno, O	A	A	P			
45	Alvarez, R	A	A	P			
46	Hovik, M	A	A	P			
47	Shapiro, M	A	A	P			
48	Mushkin, H	A	A	P			
49	Baptista, R	A	A	P			

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<b>COMPUTER SCIENCE</b>							
CS 081B	+	Undergraduate Projects in Computer Science	50	Mazumdar, E	A	A	P
			51	Tropp, J	A	A	P
CS 090	+	Undergraduate Reading in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Low, S	A	A	P
			03	Blank, A	A	A	P
			04	Schroeder, P	A	A	P
			05	Winfrey, E	A	A	P
			06	Umans, C	A	A	P
			08	Barr, A	A	A	P
			10	Perona, P	A	A	P
			11	Chandy, K	A	A	P
			13	Murray, R	A	A	P
			14	Wierman, A	A	A	P
			15	Vanier, M	A	A	P
			16	Yue, Y	A	A	P
			17	Ralph, C	A	A	P
			18	Schulman, L	A	A	P
19	Anderson, D	A	A	P			
20	Bouman, K	A	A	P			
21	Chung, S	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: 3D Deep Learning	01	Gkioxari, G	TR 13:00 - 14:25	213 ANB	G
CS 101	0-0-0	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 101	0-0-0	Special Topics in Computer Science: Special Projects in Compilers <i>instructor approval required to enroll</i>	03	Vanier, M	A	A	

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<b>COMPUTER SCIENCE</b>							
CS 102B	+	Seminar in Computer Science	01	Staff	A	A	
CS 103B	+	Reading in Computer Science	01	Staff	A	A	P
Ma/CS 106B	3-0-6	Introduction to Discrete Mathematics	01	Gherman, M	MWF 13:00 - 13:55	387 LINDE	
HPS/PI/CS 110	3-0-6	Causation and Explanation <i>open by application only, apply at <a href="http://registrar.caltech.edu/HPS110">http://registrar.caltech.edu/HPS110</a> // maximum enrollment: 15 students</i>	01	Eberhardt, F	TR 13:00 - 14:25	B133 BAX	G
CS 111	0-3-0	Graduate Programming Practicum <i>Sec 1: C</i>	01	Vanier, M	T 11:00 - 11:55	213 ANB	P
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	155 ARM	
CS 118	3-3-3	Automata-Theoretic Software Analysis	01	Holzmann, G	TR 13:00 - 14:25	121 ANB	G
CS/IDS 121	3-0-6	Relational Databases	01	Hovik, M	TR 09:00 - 10:25	105 ANB	G
EE/Ma/CS 126B	3-0-6	Information Theory <i>makeup sessions held Wednesdays 10:30-noon in MRE B270</i>	01	Hamkins, J	MF 10:30 - 11:55	B270 MRE	
CS 128	3-0-6	Interactive Theorem Proving	01	Vanier, M	MWF 11:00 - 11:55	106 ANB	G
CS 130	3-3-3	Software Engineering <i>class meets in DWN 107 on 2/5/24</i>	01	Pinkston, D	MWF 11:00 - 11:55	105 ANB	
ME/CS/EE 133B	3-2-4	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
ME/CS/EE 134	1-7-1	Robotic Systems	01	Niemeyer, G / Peticco, M	MWF 13:00 - 13:55	135 GTL	

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<b>COMPUTER SCIENCE</b>							
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Mazumdar, E	MWF 14:00 - 15:25	105 ANB	
CS/EE 146	3-3-3	Control and Optimization of Networks <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
CS/IDS 153	3-0-6	Current Topics in Theoretical Computer Science: Computational Commutative Algebra	01	Schulman, L	TR 10:30 - 11:55	314 ANB	G
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	134 (Auditorium) BCK	
IDS/ACM/CS 158	3-3-3	Fundamentals of Statistical Learning <i>maximum enrollment: 100 students // course prerequisites of ACM 104, ACM 116, and IDS 157 strictly enforced // class meets in MRE B270 on 2/5/24</i>	01	Zuev, K	MW 09:00 - 10:25	105 ANB	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B280 MRE	
CS/IDS 162	3-0-6	Data, Algorithms and Society <i>Taught concurrently with VC 072 //maximum enrollment: 15 students between VC 72 and CS/IDS 162 // instructor permission required to add // apply at <a href="https://forms.gle/HxCECWgsUaujvT5d8">https://forms.gle/HxCECWgsUaujvT5d8</a></i>	01	Mushkin, H / Ralph, C	TR 14:30 - 15:55	104 ANB	G
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	314 ANB	
CS/ACM 177A	3-3-3	Discrete Differential Geometry: Theory and Applications	01	Schroeder, P	TR 10:30 - 11:55	104 ANB	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			04	Chandy, K	A	A	P
			06	Kitaev, A	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P

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<b>COMPUTER SCIENCE</b>							
CS 180	+	Master's Thesis Research	09	Yariv, A	A	A	P
			10	Barr, A	A	A	P
			11	Schroeder, P	A	A	P
			12	Wierman, A	A	A	P
			13	Winfree, E	A	A	P
			14	Wold, B	A	A	P
			17	Perona, P	A	A	P
Bi/BE/CS 183	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Murray, R	MWF 11:00 - 11:55	B180 BBB	
CNS/Bi/EE/CS/NB 186 4-4-4		Vision: From Computational Theory to Neuronal Mechanisms <i>class meets in BBB B180 on 1/11/24</i>	01	Meister, M / Perona, P / Shimojo, S / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	142 KCK	G
BE/CS 196A	2-4-6	Design and Construction of Programmable Molecular Systems <i>maximum enrollment: 16 students // class will meet in KRK 101 week of 2/5/24 and 2/12/24</i>	01	Qian, L	TR 13:00 - 13:55 TR 14:00 - 15:55	B136 KRK B127 KRK	
Ph/CS 219B	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	103 DWN	P
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			03	Barr, A	A	A	P
			04	Chandy, K	A	A	P
			06	Cvitanic, J	A	A	P
			07	Winfree, E	A	A	P
			08	Low, S	A	A	P
			09	Martin, A	A	A	P
			10	Winfree, E	A	A	P
			11	Perona, P	A	A	P
			12	Schroeder, P	A	A	P
			13	Chandrasekaran, V	A	A	P

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<b>COMPUTER SCIENCE</b>							
CS 280	+	Research in Computer Science	14	Kitaev, A	A	A	P
			15	Wierman, A	A	A	P
			17	Doyle, J	A	A	P
			18	Murray, R	A	A	P
			19	Vidick, T	A	A	P
			20	Yue, Y	A	A	P
			21	Gkioxari, G	A	A	P
CS 282B	+	Reading In Computer Science	01	Staff	A	A	P
<b>COMPUTING AND MATHEMATICAL SCIENCES</b>							
CMS/ACM/IDS 107B	3-0-9	Linear Analysis with Applications	01	Leong, O	TR 10:30 - 11:55	105 ANB	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Mazumdar, E	MWF 14:00 - 15:25	105 ANB	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	134 (Auditorium) BCK	
CMS290B	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

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<b>COMPUTING AND MATHEMATICAL SCIENCES</b>							
CMS300	+	Research in Computing and Mathematical Sciences	14	Schulman, L	A	A	P
			15	Umans, C	A	A	P
			16	Winfrey, E	A	A	P
			17	Yue, Y	A	A	P
			18	Chung, S	A	A	P
			19	Pachter, L	A	A	P
			20	Anandkumar, A	A	A	P
			21	Stuart, A	A	A	P
			22	Thomson, M	A	A	P
			23	Van Valen, D	A	A	P
			24	Bouman, K	A	A	P
			25	Bruck, J	A	A	P
			26	Mazumdar, E	A	A	P
27	Gkioxari, G	A	A	P			
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS090B	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Murray, R	A	A	G
CDS190	+	Independent Work in Control and Dynamical Systems	01	Chung, S	A	A	P
CDS231	+	Robust Control Theory	01	Doyle, J	MW 13:00 - 14:25	314 ANB	
CDS232	3-0-6	Nonlinear Dynamics	01	Ames, A	MWF 16:00 - 17:25	135 GTL	G
ME/CDS 235A	3-3-3	Advanced Robotics: Kinematics	01	Burdick, J	MWF 11:00 - 11:55	115 GTL	G
CDS300B	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P
			02	Adolphs, R	A	A	P
			03	Doyle, J	A	A	P
			04	Owhadi, H	A	A	P
			05	Siapas, A	A	A	P



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<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS300B	+	Research in Control and Dynamical Systems	06	Goentoro, L	A	A	P
			07	Dickinson, M	A	A	P
			08	Murray, R	A	A	P
			11	Elowitz, M	A	A	P
			13	Ortiz, M	A	A	P
			14	Beck, J	A	A	P
			16	Ames, A	A	A	P
			17	Chung, S	A	A	P
<b>ECONOMICS</b>							
Ec 011	3-2-4	Introduction to Economics	01	Rangel, A	TR 13:00 - 14:25	Lecture Hall BAX	
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Pomatto, L	A	A	P
			02	Nielsen, K	A	A	P
			03	Niemeyer, A	A	A	P
			04	Saito, K	A	A	P
Ec 098B	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P
Ec 101	3-0-6	Selected Topics in Economics: Markets, Politics and Growth in China 1700-2020 <i>maximum enrollment: 15 undergraduate students</i>	01	Rosenthal, J	MWF 14:00 - 14:55	128 BAX	
Ec 109	3-0-6	Frontier in Behavioral Economics <i>Designated as Writing Intensive Course // class meets in KRK 119 on 1/19/24</i>	01	Nielsen, K	MWF 13:00 - 13:55	Lecture Hall BAX	
Ec/ACM/CS 112	3-0-6	Bayesian Statistics	01	Rangel, A	TR 10:30 - 11:55	155 ARM	
Ec 121B	3-0-6	Theory of Value	01	Saito, K	MW 13:00 - 14:25	B125 BAX	G

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<b>ECONOMICS</b>							
Ec/PS 124	3-0-6	Identification Problems in the Social Sciences	01	Sherman, R	TR 13:00 - 14:25	B125 BAX	
Ec 129	3-0-6	Economic History of the United States <i>Designated as Writing Intensive Course</i>	01	Janas, P	TR 14:30 - 15:55	B125 BAX	
PS/Ec 172	3-0-6	Game Theory	01	Pomatto, L	TR 10:30 - 11:55	B125 BAX	
<b>ELECTRICAL ENGINEERING</b>							
EE 002	1-0-0	Electrical Engineering Entrepreneurial and Research Seminar	01	Emami, A	W 12:00 - 12:55	B270 MRE	P
EE/CS 010A	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 15:00 - 15:55	B280 MRE	
APh/EE 023	3-0-6	Demonstration Lectures in Classical and Quantum Photonics	01	Matsko, A	TR 09:00 - 10:25	125 STL	
EE/APh 040	3-0-6	Physics of Electrical Engineering	01	Marandi, A	MW 13:00 - 14:25	B270 MRE	
CS/EE/ME 075B	+	Multidisciplinary Systems Engineering <i>(2-3-1), (2-6-1), or (2-9-1) Units</i>	01	Chung, S / Carpenter, K	MW 19:00 - 20:25	135 GTL	
EE 080B	+	Senior Thesis	01	Hajimiri, S	A	A	P
			02	Effros, M	A	A	P
			03	Doyle, J	A	A	P
			04	Tai, Y	A	A	P
			05	Hassibi, B	A	A	P
			07	George, G	A	A	P
			08	Emami, A	A	A	P
			09	Yue, Y	A	A	P
			10	Van Valen, D	A	A	P
			11	Scherer, A	A	A	P
			12	Marandi, A	A	A	P
			13	Low, S	A	A	P

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EE 080B	+	Senior Thesis	14	Perona, P / Chung, S	A	A	P
			15	Chandrasekaran, V	A	A	P
			16	Mirhosseini, M	A	A	P
			17	Hallinan, G	A	A	P
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Perona, P	A	A	P
			03	George, G	A	A	P
			04	Atwater, H	A	A	P
			05	Murray, R	A	A	P
			06	Emami, A	A	A	P
			07	Gharib, M	A	A	P
			08	Low, S	A	A	P
			09	Yang, C	A	A	P
			10	Hajimiri, S	A	A	P
			11	Burdick, J	A	A	P
			12	Tai, Y	A	A	P
			13	Yariv, A	A	A	P
			14	Bruck, J	A	A	P
			15	Marandi, A	A	A	P
			16	Hassibi, B	A	A	P
			17	Wang, L	A	A	P
			18	Gao, W	A	A	P
			19	Kalantar Ohanian, R	A	A	P
			20	Kostina, V	A	A	P
			21	Marandi, A	A	A	P
EE 102	1-0-0	Electrical Engineering Entrepreneurial and Research Seminar	01	Emami, A	W 12:00 - 12:55	B270 MRE	P
ACM/EE 106B	3-0-9	Introductory Methods of Computational Mathematics	01	Hou, Y	TR 13:00 - 14:25	104 ANB	G
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Ghaffari, A	OM,W 16:00 - 16:55	104 WAT	

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<b>ELECTRICAL ENGINEERING</b>							
EE 110B	3-4-2	Embedded Systems Design Laboratory	01	George, G	MF 13:00 - 14:25	B280 MRE	
EE 112	3-0-6	Introduction to Signal Processing from Data	01	Vaidyanathan, P	TR 13:00 - 14:25	B270 MRE	
EE 113	3-3-3	Feedback and Control Circuits	01	George, G	TR 13:00 - 14:25	B280 MRE	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	
EE/Ma/CS 126B	3-0-6	Information Theory <i>makeup sessions held Wednesdays 10:30-noon in MRE B270</i>	01	Hamkins, J	MF 10:30 - 11:55	B270 MRE	
APh/EE 131	3-0-6	Light Interaction with Atomic Systems - Lasers	01	Vahala, K	TR 13:00 - 14:25	104 WAT	
ME/CS/EE 133B	3-2-4	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
ME/CS/EE 134	1-7-1	Robotic Systems	01	Niemeyer, G / Peticco, M	MWF 13:00 - 13:55	135 GTL	
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Mazumdar, E	MWF 14:00 - 15:25	105 ANB	
CS/EE 146	3-3-3	Control and Optimization of Networks <i>class cancelled - to be offered spring term</i>	01	Staff	A	A	
EE 154A	2-3-4	Practical Electronics for Space Applications	01	Klesh, A	OM,T 16:00 - 16:55	B280 MRE	
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	134 (Auditorium) BCK	
EE/APh 158	3-0-6	Quantum Electrical Circuits	01	Mirhosseini, M	MW 10:30 - 11:55	B280 MRE	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B280 MRE	

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<b>ELECTRICAL ENGINEERING</b>							
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	314 ANB	
EE/BE/MedE 185	3-0-6	Micro/Nano Technology for Semiconductor and Medical Device	01	Tai, Y	MW 10:30 - 11:55	142 KCK	
CNS/Bi/EE/CS/NB 186	4-4-4	Vision: From Computational Theory to Neuronal Mechanisms <i>class meets in BBB B180 on 1/11/24</i>	01	Meister, M / Perona, P / Shimojo, S / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
EE/MedE 187	3-0-6	VLSI and ULSI Technology	01	Tai, Y	MW 14:30 - 15:55	B270 MRE	
MedE/EE 268	4-0-5	Medical Imaging	01	Wang, L	WF 16:00 - 17:55	142 KCK	
EE 291	+	Advanced Work in Electrical Engineering	01	Abu-Mostafa, Y	A	A	P
			02	Kostina, V	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Tissot, F	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Vahala, K	A	A	P
			09	George, G	A	A	P
			10	Yeh, N	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hassibi, B	A	A	P
			13	Zmuidzinis, J	A	A	P
			14	Low, S	A	A	P
			15	Anderson, D	A	A	P
			16	Atwater, H	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Gharib, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Mirhosseini, M	A	A	P

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<b>ELECTRICAL ENGINEERING</b>							
EE 291	+	Advanced Work in Electrical Engineering	22	Phillips, R	A	A	P
			23	Cvitanic, J	A	A	P
			24	Quartz, S	A	A	P
			25	Spiropulu, M	A	A	P
			26	Scherer, A	A	A	P
			27	Vidick, T	A	A	P
			28	Tai, Y	A	A	P
			29	Vaidyanathan, P	A	A	P
			30	Yariv, A	A	A	P
			31	Chandrasekaran, V	A	A	P
			32	Roukes, M	A	A	P
			33	Avouac, J	A	A	P
			34	Weinreb, S	A	A	P
			35	Hallinan, G	A	A	P
			36	Martin, A	A	A	P
			37	Yang, C	A	A	P
			38	Emami, A	A	A	P
			39	Painter, O	A	A	P
			40	Faraon, A	A	A	P
			42	Minnich, A	A	A	P
			44	Yue, Y	A	A	P
			46	Shapiro, M	A	A	P
			47	Wang, L	A	A	P
49	Marandi, A	A	A	P			
50	Greer, J	A	A	P			
51	Greer, J	A	A	P			
52	Hsieh, D	A	A	P			
<b>ENGINEERING</b>							
E 100	0-0-0	Special Topics in Engineering & Applied Science <i>Sec 1: Cancelled - Designing Your Caltech Experience, 3 units (1-0-2), open to first-years and sophomores from all options, max 24</i>	01	Dabiri, M	A	A	P
			02	Resnick, A	M 15:00 - 16:25	328 SFL	P

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<b>ENGINEERING</b>							
E/SEC 103	3-0-6	Management of Technology <i>open by instructor approval only - complete the pre-registration survey at <a href="https://murray.cds.caltech.edu/E/SEC_103,_Winter_2024">https://murray.cds.caltech.edu/E/SEC_103,_Winter_2024</a> by Nov 14th</i>	01	Murray, R	MW 13:30 - 14:55	213 ANB	
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 // class meets in KCK 142 on 2/15/24</i>	01	Dabiri, M	R 13:00 - 14:25	115 GTL	P
<b>ENGLISH</b>							
Hum/En 022	3-0-6	Inequality <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Haugen, K	TR 14:30 - 15:55	127 BAX	
Hum/En 035	3-0-6	Beginning with Poems <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Pigman, G	TR 13:00 - 14:25	128 BAX	
Hum/En 036	3-0-6	American Literature and Culture <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Weinstein, C	TR 13:00 - 14:25	125 BAX	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Holland, J	A	A	P
En 099A	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Weinstein, C	A	A	G
En 099B	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Murphy, D	A	A	G
En 100	3-0-6	Artificial Life: Literary Automata <i>maximum enrollment: 15 students</i>	01	Holland, J	TR 10:30 - 11:55	125 BAX	

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<b>ENGLISH</b>							
En 114	3-0-6	Shakespeare's Career: Tragedies and Tragicomedies <i>maximum enrollment: 15 students</i>	01	Pigman, G	TR 14:30 - 15:55	128 BAX	
En/VC 129	3-0-6	Literature/Photography/Facticity <i>maximum enrollment: 15 students</i>	01	Hill, A	TR 13:00 - 14:25	228 BAX	G
En 140	3-0-6	African American Expatriate Culture in Postwar Europe <i>maximum enrollment: 15 students</i>	01	Sherazi, M	TR 13:00 - 14:25	115 BCK	
En 142	3-0-6	US Literature before the Civil War <i>maximum enrollment: 15 students</i>	01	Weinstein, C	TR 14:30 - 15:55	125 BAX	G
<b>ENGLISH AS A SECOND LANGUAGE</b>							
ESL101B	3-0-0	Oral Communication and Pronunciation	01	Ashleigh, S	MW 17:00 - 18:25	104 WAT	P
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Leadbetter, J	A	A	P
			02	Flagan, R	A	A	P
			03	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Newman, D	A	A	P
			06	Thompson, A	A	A	P
			07	Bordoni, S	A	A	P
			08	Adkins, J	A	A	P
			09	Frankenberg, C	A	A	P
			10	Yung, Y	A	A	P
			11	Wennberg, P	A	A	P
			12	Karthikeyan, S	A	A	P
ESE100	+	Special Problems in Environmental Engineering Science <i>up to 12 units by arrangement</i>	01	Schneider, T	A	A	P
			02	Ingersoll, A	A	A	P
			03	Wennberg, P	A	A	P
			04	Hoffmann, M	A	A	P



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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE100	+	Special Problems in Environmental Engineering Science <i>up to 12 units by arrangement</i>	05	Adkins, J	A	A	P
			06	Leadbetter, J	A	A	P
			07	Bordoni, S	A	A	P
			08	Yung, Y	A	A	P
			09	Seinfeld, J	A	A	P
			10	Orphan, V	A	A	P
			11	Thompson, A	A	A	P
			12	Sessions, A	A	A	P
ESE103	3-0-6	Earth's Biogeochemical Cycles	01	Frankenberg, C	MWF 15:00 - 15:55	162 SMD	
ESE104	1-0-0	Current Problems in Environmental Science and Engineering	01	Callies, J	R 12:00 - 12:55	162 SMD	P
Bi/Ge/ESE 105	3-4-5	Evolution	01	Phillips, R / Orphan, V	MW 13:00 - 14:25	100 - Rock Auditorium BRD	
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

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE106	+	Research in Environmental Science and Engineering	19	Frankenberg, C	A	A	P
			20	Callies, J	A	A	P
			21	Karthikeyan, S	A	A	P
ESE110B	1-0-0	Seminar in Environmental Science and Engineering	01	Karthikeyan, S	W 16:00 - 16:55	365 SMD	P
ChE/ESE/ME/MS 111	3-0-6	Sustainable Engineering	01	Kornfield, J	TR 11:30 - 12:55	153 NYS	
ESE130	3-0-6	Fundamentals of Atmosphere and Ocean Dynamics	01	Callies, J	MWF 11:00 - 11:55	135 LLB	
ME/CE/Ge/ESE 146	3-0-6	Computational Methods for Flow in Porous Media	01	Fu, X	MW 13:00 - 14:25	115 GTL	G
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	
ESE/Ge/Bi/IDS 184	3-0-6	Computational Tools for Decoding Microbial Ecosystems <i>max enrollment: 15 students</i>	01	Karthikeyan, S	TR 10:30 - 11:55	162 SMD	
Ge/ESE 298	+	Mentoring and Outreach	01	Newman, D	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J / Bucholz, C	A	A	P
			05	Thompson, A	A	A	P
ESE300	+	Thesis Research	01	Adkins, J	A	A	P
			02	Sessions, A	A	A	P
			03	Flagan, R	A	A	P
			04	Hoffmann, M	A	A	P
			05	Ingersoll, A	A	A	P
			06	Leadbetter, J	A	A	P
			07	Newman, D	A	A	P
			08	Bordoni, S	A	A	P
			09	Yung, Y	A	A	P
			10	Wennberg, P	A	A	P
			11	Schneider, T	A	A	P

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE300	+	Thesis Research	12	Seinfeld, J	A	A	P
			13	Eiler, J	A	A	P
			14	Orphan, V	A	A	P
			15	Okumura, M	A	A	P
			16	Thompson, A	A	A	P
			17	Fischer, W	A	A	P
			18	Callies, J	A	A	P
			19	Frankenberg, C	A	A	P
			20	Karthikeyan, S	A	A	P
<b>FIRST-YEAR SEMINARS</b>							
FS 002	2-0-4	First-Year Seminar: The Evolution of Information Systems: From Life to Artificial <i>class cancelled</i>	01	Staff	A	A	P
FS/Ph 011B	2-0-4	First-Year Seminar: Beyond Physics	01	Phillips, R	A	A	P
<b>GEOLOGY</b>							
Ge 011B	3-3-3	Introduction to Earth and Planetary Sciences: Earth and the Biosphere <i>taught concurrently with Ge 104</i>	01	Fischer, W / Kirschvink, J	F 19:00 - 21:55 MWF 14:00 - 14:55	251 ARM 251 ARM	
Ge 011D	3-0-6	Introduction to Earth and Planetary Sciences: Geophysics <i>taught concurrently with Ge 102</i>	01	Gurnis, M	MWF 09:00 - 09:55	162 SMD	
Ge 040	+	Special Problems for Undergraduates	01	Kirschvink, J	A	A	P
			02	Orphan, V	A	A	P
			03	Lamb, M	A	A	P
			04	Ingersoll, A	A	A	P
			05	Adkins, J	A	A	P
			06	Rossmann, G	A	A	P
			07	Sessions, A	A	A	P
			08	Stevenson, D	A	A	P
			09	Yung, Y	A	A	P

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<b>GEOLOGY</b>							
Ge 040	+	Special Problems for Undergraduates	10	Jackson, J	A	A	P
			11	Fischer, W	A	A	P
			13	Brown, M	A	A	P
			14	de Kleer, K	A	A	P
			15	Eiler, J	A	A	P
			16	Asimow, P	A	A	P
			17	Tissot, F	A	A	P
			18	Tejada Lara, J	A	A	P
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	01	Rossmann, G	A	A	P
			02	Kirschvink, J	A	A	P
			03	Grotzinger, J	A	A	P
			04	Orphan, V	A	A	P
			05	Stolper, E	A	A	P
			06	Stock, J	A	A	P
			07	Grotzinger, J	A	A	P
			08	Asimow, P	A	A	P
			09	Brown, M	A	A	P
			10	Fischer, W	A	A	P
			11	Eiler, J	A	A	P
			12	Ingersoll, A	A	A	P
			13	Sessions, A	A	A	P
			14	Leadbetter, J	A	A	P
			15	Lamb, M	A	A	P
			16	Adkins, J	A	A	P
			17	Simons, M	A	A	P
			18	Yung, Y	A	A	P
			19	Tejada Lara, J	A	A	P
Ge 102	3-0-6	Introduction to Geophysics <i>taught concurrently with Ge 11D</i>	01	Gurnis, M	MWF 09:00 - 09:55	162 SMD	
Ge 104	3-0-6	Introduction to Geobiology <i>taught concurrently with Ge 11b</i>	01	Fischer, W / Kirschvink, J	F 19:00 - 21:55	251 ARM	
					MWF 14:00 - 14:55	251 ARM	

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<b>GEOLOGY</b>							
Bi/Ge/ESE 105	3-4-5	Evolution	01	Phillips, R / Orphan, V	MW 13:00 - 14:25	100 - Rock Auditorium BRD	
Ge 106	3-0-6	Introduction to Structural Geology	01	Avouac, J	M 14:30 - 15:55 T 13:00 - 13:55 R 14:00 - 14:25	212 NMD 212 NMD 212 NMD	
Ge 109	+	Oral Presentation <i>Section 1: Geophysics // Sections 2-4: Geobiology</i>	01 03 04	Jackson, J Orphan, V Leadbetter, J	T 12:00 - 12:55 A A	254 SMD A A	P P P
Ge 111A	3-3-0	Applied Geophysics Seminar and Field Course	01	Clayton, R / Simons, M	TR 09:00 - 10:25	162 SMD	G
Ge 112	3-5-4	Sedimentology and Stratigraphy	01	Grotzinger, J	TR 09:00 - 10:25 W 13:00 - 15:55	251 ARM 267 ARM	
Ge 115A	3-3-3	Petrology and Petrography: Igneous Petrology	01	Stolper, E	MWF 10:00 - 10:55	251 ARM	
Ge 116	1-4-4	Analytical Techniques Laboratory <i>Lab- 4 hours per week, scheduling will vary over the quarter</i>	01	Jackson, J / Asimow, P / Ehlmann, B	T 11:00 - 11:55	251 ARM	G
Ge/Ay 117	3-0-6	Bayesian Statistics and Data Analysis	01	Knutson, H	MWF 14:00 - 14:55	162 SMD	
Ge 121B	0-9-3	Advanced Field Geology <i>Field Trip dates: TBA</i>	01	Grotzinger, J	TR 11:00 - 11:55	267 ARM	G
Ge 122B	1-3-2	Field Geology Seminar	01	Stock, J	W 11:00 - 11:55	215 NMD	P
Ge 126	2-0-4	Topics in Earth Surface Processes	01	Lamb, M	F 09:00 - 10:55	267 ARM	P
Ge/Ch 128	3-0-6	Cosmochemistry	01	Blake, G	TR 13:00 - 14:25	162 SMD	
Ge 136B	1-0-2	Regional Field Geology of the Southwestern United States	01	Kirschvink, J	OM,W 16:00 - 16:55	A	P

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<b>GEOLOGY</b>							
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 13:00 - 13:55	176 SMD	
Ge 140B	3-0-6	Radiogenic Isotope Geochemistry	01	Tissot, F	TR 09:00 - 10:25	215 NMD	
ME/CE/Ge/ESE 146	3-0-6	Computational Methods for Flow in Porous Media	01	Fu, X	MW 13:00 - 14:25	115 GTL	G
Ge 151	3-3-3	Planetary Surfaces <i>Field trip dates: February 24-25, 2024</i>	01	de Kleer, K	TR 14:30 - 15:55	215 NMD	
Ge/Ay 159	3-0-6	Astrobiology	01	Yung, Y	MWF 11:00 - 11:55	162 SMD	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Bhattacharya, K	MWF 09:00 - 09:55	135 GTL	G
Ge 162	3-0-6	Seismology <i>class cancelled - postponed to spring term</i>	01	Zhan, Z	MWF 10:00 - 10:55	162 SMD	
Ge 164	3-0-6	Mineral Physics	01	Jackson, J	TR 14:30 - 15:55	162 SMD	G
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	
ME/CE/Ge 174	3-0-6	Mechanics of Rocks	01	Lapusta, N	MW 14:30 - 15:55	115 GTL	
ESE/Ge/Bi/IDS 184	3-0-6	Computational Tools for Decoding Microbial Ecosystems <i>max enrollment: 15 students</i>	01	Karthikeyan, S	TR 10:30 - 11:55	162 SMD	
Ge 192	0-0-0	Special Topics in the Geological Sciences	01 02	Sessions, A Gurnis, M	M 11:45 - 13:15 F 11:00 - 11:55	251 ARM 254 SMD	P P
Ge 218	3-0-3	Stable Isotopes Seminar	01	Eiler, J	M 11:00 - 11:55	215 NMD	P
Ae/AM/CE/ME/Ge 265	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	TR 14:00 - 15:25	133 GUG	

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<b>GEOLOGY</b>							
Ge 271	3-0-6	Dynamics of Seismicity	01	Ross, Z	TR 10:30 - 11:55	256 SMD	
Ge 277	2-0-4	Active Tectonics Seminar	01	Avouac, J	W 11:00 - 12:25	212 NMD	P
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Eiler, J	A	A	P
			03	Clayton, R	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Grotzinger, J	A	A	P
			08	Stock, J	A	A	P
			09	Sessions, A	A	A	P
			10	Avouac, J	A	A	P
			11	Gurnis, M	A	A	P
			14	Ingersoll, A	A	A	P
			15	Jackson, J	A	A	P
			16	Kirschvink, J	A	A	P
			17	Farley, K	A	A	P
			18	Newman, D	A	A	P
			20	Fischer, W	A	A	P
			21	Lamb, M	A	A	P
			22	Rossmann, G	A	A	P
			23	Schneider, T	A	A	P
			24	Bordoni, S	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Ehlmann, B	A	A	P
			28	Stolper, E	A	A	P
			29	Kulkarni, S	A	A	P
			31	Batygin, K	A	A	P
			32	Wennberg, P	A	A	P

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<b>GEOLOGY</b>							
Ge 297	+	Advanced Study	33	Wernicke, B	A	A	P
			35	Yung, Y	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Orphan, V	A	A	P
			40	Knutson, H	A	A	P
			41	Leadbetter, J	A	A	P
			42	Zhan, Z	A	A	P
			43	Bucholz, C	A	A	P
			44	Leadbetter, J	A	A	P
			45	Tissot, F	A	A	P
			46	Ross, Z	A	A	P
			47	de Kleer, K	A	A	P
			48	Tejada Lara, J	A	A	P
Ge/ESE 298	+	Mentoring and Outreach	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
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Ehlmann, B	A	A	P
			03	Avouac, J	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Clayton, R	A	A	P
			08	Eiler, J	A	A	P
			09	Farley, K	A	A	P
			10	Grotzinger, J	A	A	P
			11	Heaton, T	A	A	P
			13	Gurnis, M	A	A	P
			14	Kirschvink, J	A	A	P
			15	Fischer, W	A	A	P
			16	Newman, D	A	A	P



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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	17	Orphan, V	A	A	P
			18	Knutson, H	A	A	P
			19	Rossman, G	A	A	P
			21	Lamb, M	A	A	P
			22	Schneider, T	A	A	P
			23	Sessions, A	A	A	P
			24	Bucholz, C	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Stock, J	A	A	P
			28	Stolper, E	A	A	P
			29	Leadbetter, J	A	A	P
			30	Zhan, Z	A	A	P
			31	Yung, Y	A	A	P
			32	Batygin, K	A	A	P
			33	Wennberg, P	A	A	P
			34	Wernicke, B	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Jackson, J	A	A	P
			39	Ingersoll, A	A	A	P
			41	Bordoni, S	A	A	P
			42	Ross, Z	A	A	P
			43	Tissot, F	A	A	P
			44	de Kleer, K	A	A	P
45	Tejada Lara, J	A	A	P			
<b>HISTORY</b>							
Hum/H 001	3-0-6	The Classical and Medieval Worlds <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Brown, W	TR 14:30 - 15:55	115 DAB	
Hum/H 002	3-0-6	Freedom Dreams: African American Visions of Liberation Since Emancipation	01	Wiggins, D	T 19:00 - 21:55	125 BAX	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HISTORY</b>							
Hum/H 002	3-0-6	Freedom Dreams: African American Visions of Liberation Since Emancipation <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 12 students</i>					
Hum/H 006	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	TR DAB	
Hum/H 013	3-0-6	Brave New Worlds: Race, Human Rights and the Age of Discovery <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	TR DAB	
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section</i>	01 02	Rand, L Rand, L	W 19:00 - 21:55 R 19:00 - 21:55	127 BAX 127 BAX	
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
H 099B	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01	Dykstra, M	A	A	
H 112	3-0-6	The Vikings <i>maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	125 BAX	
H 149	3-0-6	Age of Fracture: America Since 1974 <i>maximum enrollment: 18 students</i>	01	Wiggins, D	R 19:00 - 21:55	125 BAX	G
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	TR DAB	
HPS/H 169	3-0-6	Selected Topics in the History of Science and Technology: The Occult Origins of Modern Science: Alchemy, Astrology, and Magic <i>maximum enrollment: 15 students</i>	01	Gaida, M	TR 14:30 - 15:55	115 BCK	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HISTORY</b>							
H/HPS/VC 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	TR DAB	
<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students per section</i>	01 02	Rand, L Rand, L	W 19:00 - 21:55 R 19:00 - 21:55	127 BAX 127 BAX	
HPS090	1-0-0	Public Lecture Series	01	Kormos-Buchwald, D	A	A	P
HPS102B	2-0-10	Senior Research Seminar <i>Instructor permission required prior to registering</i>	01	Rand, L	A	A	P
HPS/PI/CS 110	3-0-6	Causation and Explanation <i>open by application only, apply at <a href="http://registrar.caltech.edu/HPS110">http://registrar.caltech.edu/HPS110</a> // maximum enrollment: 15 students</i>	01	Eberhardt, F	TR 13:00 - 14:25	B133 BAX	G
HPS/PI 124	3-0-6	Philosophy of Space and Time <i>maximum enrollment: 15 students</i>	01	Chua, E	TR 13:00 - 14:25	121 BCK	G
HPS/PI 138	3-0-6	Human Nature and Society <i>open by lottery only; see link on the REGIS home page to enter by Nov 15th // maximum enrollment: 15 students</i>	01	Quartz, S	TR 14:30 - 15:55	B119 BAX	
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	TR DAB	
HPS/H 169	3-0-6	Selected Topics in the History of Science and Technology: The Occult Origins of Modern Science: Alchemy, Astrology, and Magic <i>maximum enrollment: 15 students</i>	01	Gaida, M	TR 14:30 - 15:55	115 BCK	
H/HPS/VC 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World	01	Wey-Gomez, N	TR 13:00 - 14:25	TR DAB	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
H/HPS/VC 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>					
<b>HUMANITIES</b>							
Hum/H 001	3-0-6	The Classical and Medieval Worlds <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Brown, W	TR 14:30 - 15:55	115 DAB	
Hum/H 002	3-0-6	Freedom Dreams: African American Visions of Liberation Since Emancipation <i>Attendance at the 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 the first class meeting is required. // maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	TR DAB	
Hum/H 013	3-0-6	Brave New Worlds: Race, Human Rights and the Age of Discovery <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 09:00 - 10:25	TR DAB	
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students per section</i>	01 02	Rand, L Rand, L	W 19:00 - 21:55 R 19:00 - 21:55	127 BAX 127 BAX	
Hum/En 022	3-0-6	Inequality <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Haugen, K	TR 14:30 - 15:55	127 BAX	
Hum/En 035	3-0-6	Beginning with Poems <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Pigman, G	TR 13:00 - 14:25	128 BAX	
Hum/En 036	3-0-6	American Literature and Culture <i>Attendance at the first class meeting is required.</i>	01	Weinstein, C	TR 13:00 - 14:25	125 BAX	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HUMANITIES</b>							
Hum/PI 040	3-0-6	Right and Wrong <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	B119 BAX	
Hum/PI 041	3-0-6	Knowledge and Reality <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students per section //</i> <i>class closed, see instructor for waitlist</i>	01 02	Hitchcock, C Hitchcock, C	TR 09:00 - 10:25 TR 13:00 - 14:25	B119 BAX 127 BAX	
Hum/VC 051	3-0-6	Icons and Iconoclasm <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Jacobson, B	TR 14:30 - 15:55	B133 BAX	
Hum105	3-0-6	Topics in French Literature <i>taught concurrently with L 105 // maximum enrollment: 15 students combined</i>	01	Orcel, C	MWF 15:00 - 15:55	117 DAB	
Hum114B	3-0-6	Spanish Language Literature and its Film Adaptations <i>taught concurrently with L 114b // maximum enrollment: 20 students combined</i>	01	Arjona, G	MW 16:30 - 17:55	125 BAX	
Hum119	+	Selected Topics in Humanities: Native North America <i>max enrollment: 15 students // class closed, see instructor for waitlist</i>	01	Jones, E	TR 10:30 - 11:55	127 BAX	G
<b>INFORMATION AND DATA SCIENCES</b>							
ACM/IDS 101B	4-4-4	Methods of Applied Mathematics	01	Bruno, O	MW 10:00 - 11:55	104 ANB	
CMS/ACM/IDS 107B	3-0-9	Linear Analysis with Applications	01	Leong, O	TR 10:30 - 11:55	105 ANB	
CS/IDS 121	3-0-6	Relational Databases	01	Hovik, M	TR 09:00 - 10:25	105 ANB	G
Ma/ACM/IDS 140A	3-0-6	Probability	01	Vigneaux Ariztia, J	MWF 14:00 - 14:55	255 LINDE	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>INFORMATION AND DATA SCIENCES</b>							
CMS/CS/EE/IDS 144	3-4-5	Networks: Structure & Economics	01	Mazumdar, E	MWF 14:00 - 15:25	105 ANB	
CS/IDS 153	3-0-6	Current Topics in Theoretical Computer Science: Computational Commutative Algebra	01	Schulman, L	TR 10:30 - 11:55	314 ANB	G
ACM/IDS 154	3-0-6	Inverse Problems and Data Assimilation	01	Baptista, R / Carlson, E	TR 13:00 - 14:25	105 ANB	G
CMS/CS/CNS/EE/IDS	3-3-6	Machine Learning & Data Mining	01	Yue, Y	TR 14:30 - 15:55	134 (Auditorium) BCK	
IDS/ACM/CS 158	3-3-3	Fundamentals of Statistical Learning <i>maximum enrollment: 100 students // course prerequisites of ACM 104, ACM 116, and IDS 157 strictly enforced // class meets in MRE B270 on 2/5/24</i>	01	Zuev, K	MW 09:00 - 10:25	105 ANB	
EE/CS/IDS 160	3-0-6	Fundamentals of Information Transmission and Storage	01	Hassibi, B	TR 10:30 - 11:55	B280 MRE	
CS/IDS 162	3-0-6	Data, Algorithms and Society <i>Taught concurrently with VC 072 //maximum enrollment: 15 students between VC 72 and CS/IDS 162 // instructor permission required to add // apply at <a href="https://forms.gle/HxCECWgsUaujvT5d8">https://forms.gle/HxCECWgsUaujvT5d8</a></i>	01	Mushkin, H / Ralph, C	TR 14:30 - 15:55	104 ANB	G
CS/CNS/EE/IDS 165	3-3-6	Foundations of Machine Learning and Statistical Inference	01	Anandkumar, A	TR 13:00 - 14:25	314 ANB	
ESE/Ge/Bi/IDS 184	3-0-6	Computational Tools for Decoding Microbial Ecosystems <i>max enrollment: 15 students</i>	01	Karthikeyan, S	TR 10:30 - 11:55	162 SMD	
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Staff	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01 02 03	Wierman, A Zuev, K Murray, R	A A A	A A A	P P P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>INFORMATION AND DATA SCIENCES</b>							
IDS198	+	Undergraduate Projects in Information and Data Sciences	05	Chandrasekaran, V	A	A	P
			06	Anandkumar, A	A	A	P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Perona, P	A	A	P
ACM/IDS 216	3-0-6	Markov Chains, Discrete Stochastic Processes and Applications	01	Owhadi, H	TR 09:00 - 10:25	104 ANB	G
<b>LANGUAGES</b>							
L 102B	3-0-6	Elementary French <i>maximum enrollment: 15 students</i>	01	Orcel, C	TWF 12:00 - 12:55	125 BAX	
L 103B	3-0-6	Intermediate French <i>maximum enrollment: 15 students</i>	01	Merrill, T	MWR 12:00 - 12:55	B119 BAX	
L 105	3-0-6	Topics in French Literature <i>taught concurrently with Hum 105 // maximum enrollment: 15 students combined</i>	01	Orcel, C	MWF 15:00 - 15:55	117 DAB	
L 106B	4-0-5	Elementary Japanese <i>maximum enrollment: 20 students per section</i>	01	Fujio, M	MTWR 15:00 - 15:55	228 BAX	
			02	Fujio, M	MTWR 16:00 - 16:55	228 BAX	
L 107B	3-0-6	Intermediate Japanese <i>maximum enrollment: 12 students // Taught by Dr. Hirai</i>	01	Toner, R	MW 16:00 - 17:25	128 BAX	
L 108B	3-0-6	Advanced Japanese <i>maximum enrollment: 12 students // Taught by Dr. Hirai</i>	01	Toner, R	TR 16:00 - 17:25	128 BAX	
L 110B	3-0-6	Elementary Spanish <i>maximum enrollment: 20 students per section</i>	01	Arjona, G	MW 19:00 - 20:25	125 BAX	
			02	Garcia, D	MWR 12:00 - 12:55	127 BAX	
L 112B	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Garcia, D	MW 13:00 - 13:55	127 BAX	
					F 13:00 - 13:55	128 BAX	
L 114B	3-0-6	Spanish Language Literature and its Film Adaptations <i>taught concurrently with Hum 114b // maximum enrollment: 20 students combined</i>	01	Arjona, G	MW 16:30 - 17:55	125 BAX	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>LANGUAGES</b>							
L 130B	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	117 DAB	
L 132B	3-0-6	Intermediate German	01	Aebi, A	MRF 12:00 - 12:55	117 DAB	
L 170B	3-0-6	Introduction to Chinese <i>maximum enrollment: 20 students // Wednesday class time is subject to change</i>	01	Wang, P	MR 12:00 - 12:55 W 14:00 - 14:55	128 BAX 127 BAX	
L 171B	3-0-6	Accelerated Chinese for Heritage Learners <i>maximum enrollment: 20 students</i>	01	Zhu, J	MW 10:30 - 11:55	B119 BAX	
L 172B	3-0-6	Intermediate Chinese <i>maximum enrollment: 20 students</i>	01	Zhu, J	MW 09:00 - 10:25	B119 BAX	
L 177	3-0-6	Advanced Chinese - Classical Chinese <i>maximum enrollment: 20 students</i>	01	Wang, P	M 13:00 - 14:25 W 11:00 - 12:25	115 DAB 115 DAB	
<b>MATERIALS SCIENCE</b>							
MS 078B	+	Senior Thesis	01	Johnson, W	A	A	P
			02	Falson, J	A	A	P
			03	Greer, J	A	A	P
			04	Atwater, H	A	A	P
			05	Goddard, W	A	A	P
			06	Gharib, M	A	A	P
			07	Minnich, A	A	A	P
			08	Ravichandran, G	A	A	P
			09	Fultz, B	A	A	P
			10	Rossmann, G	A	A	P
			11	Faber, K	A	A	P
			12	Daraio, C	A	A	P
			13	See, K	A	A	P
			14	Gao, W	A	A	P
			15	Lewis, N	A	A	P



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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
<b>MATERIALS SCIENCE</b>										
MS 078C	+	Senior Thesis	01	Ravichandran, G	A	A	P			
MS 100	+	Advanced Work in Materials Science	01	Faber, K	A	A	P			
			02	Fultz, B	A	A	P			
			03	Falson, J	A	A	P			
			04	Davis, M	A	A	P			
			07	Johnson, W	A	A	P			
			08	Minnich, A	A	A	P			
			09	Greer, J	A	A	P			
			10	Atwater, H	A	A	P			
			11	Rossmann, G	A	A	P			
			12	Scherer, A	A	A	P			
			APh/MS/ME 105B	3-0-6	States of Matter	01	Fultz, B	TR 09:00 - 10:25	104 WAT	
			MS 110B	1-0-0	Materials Research Lectures	01	Falson, J	W 16:00 - 16:55	153 NYS	P
ChE/ESE/ME/MS 111	3-0-6	Sustainable Engineering	01	Kornfield, J	TR 11:30 - 12:55	153 NYS				
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT				
MS 131	3-0-6	Structure and Bonding in Materials	01	Falson, J	TR 10:30 - 11:55	104 WAT				
MS 200	+	Advanced Work in Materials Science	01	Ortiz, M	A	A	P			
			02	Kornfield, J	A	A	P			
			03	Atwater, H	A	A	P			
			04	Minnich, A	A	A	P			
			05	Fultz, B	A	A	P			
			06	Goddard, W	A	A	P			
			07	Gao, W	A	A	P			
			08	Johnson, W	A	A	P			
			09	Blake, G	A	A	P			

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

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1-5 Practical Track -- Sections 6-10 Analytical Track // maximum enrollment: 45 students per section</i>	01	Mantovan, E	MWF 10:00 - 10:55 R 09:00 - 09:55	310 LINDE 107 DWN	P
			02	Mantovan, E	MWF 10:00 - 10:55 R 10:00 - 10:55	310 LINDE 147 NYS	P
			03	Mantovan, E	MWF 10:00 - 10:55 R 13:00 - 13:55	310 LINDE 255 LINDE	P
			04	Mantovan, E	MWF 10:00 - 10:55 R 14:00 - 14:55	310 LINDE 102 STL	P
			05	Mantovan, E	MWF 10:00 - 10:55 R 10:00 - 10:55	310 LINDE 103 DWN	P
			06	Graber, T	MWF 10:00 - 10:55 R 13:00 - 13:55	119 KRK 310 LINDE	P
			07	Graber, T	MWF 10:00 - 10:55 R 14:00 - 14:55	119 KRK B111 DWN	P
			08	Graber, T	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 310 LINDE	P
			09	Graber, T	MWF 10:00 - 10:55 R 16:00 - 16:55	119 KRK B111 DWN	P
			10	Graber, T	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK Hameetman Aud CHL	P
Ma 001D	2-0-1	Series	01	Gherman, M	TR 09:00 - 09:55	310 LINDE	
Ma 003	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 103 // maximum enrollment: 50 students per section // class meets in Bridge 201 on 1/19/24</i>	01	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 102 STL	G
			02	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 10:30 - 11:25	Lecture Hall BAX 102 STL	G
			03	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 107 DWN	G
			04	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 14:30 - 15:25	Lecture Hall BAX 142 KCK	G
			05	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 16:00 - 16:55	Lecture Hall BAX 103 DWN	G

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 003	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 103 // maximum enrollment: 50 students per section // class meets in Bridge 201 on 1/19/24</i>	06	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 10:30 - 11:25	Lecture Hall BAX B111 DWN	G
			07	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 19:00 - 19:55	Lecture Hall BAX 310 LINDE	G
			08	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 14:30 - 15:25	Lecture Hall BAX 103 DWN	G
Ma 005B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105b</i>	01	Aluffi, P	MWF 09:00 - 09:55	387 LINDE	
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Gherman, M	MWF 13:00 - 13:55	387 LINDE	
Ma 092B	+	Senior Thesis	01	Mantovan, E	A	A	P
			02	Marcolli, M	A	A	P
			04	Zhu, X	A	A	P
			05	Katz, N	A	A	P
			06	Yu, T	A	A	P
			07	Song, A	A	A	P
			08	Tamuz, O	A	A	P
			09	Aluffi, P	A	A	P
			10	Schuelke, B	A	A	P
			Ma 097	+	Research in Mathematics	01	Dimitrov, V
02	Mantovan, E	A				A	P
03	Szumowicz, A	A				A	P
04	Conlon, D	A				A	P
05	Tamuz, O	A				A	P
06	Vigneaux Ariztia, J	A				A	P
07	Yu, T	A				A	P
08	Ervin, G	A				A	P
09	Flach, M	A				A	P
10	Schroeder, P	A				A	P
11	Gherman, M	A				A	P

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<b>MATHEMATICS</b>							
Ma 098	+	Independent Reading	01	Katz, N	A	A	P
			02	Ervin, G	A	A	P
			03	Flach, M	A	A	P
			04	Yu, T	A	A	P
			05	Ni, Y	A	A	P
			06	Gherman, M	A	A	P
			07	Dimitrov, V	A	A	P
			08	Aluffi, P	A	A	P
			09	Graber, T	A	A	P
			10	Marcolli, M	A	A	P
Ma 103	4-0-5	Introduction to Probability and Statistics <i>taught concurrently with Ma 3</i>	01	Pachter, L / Hallgrimsdottir, I	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 107 DWN	
Ma 105B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5b</i>	01	Aluffi, P	MWF 09:00 - 09:55	387 LINDE	
Ma/CS 106B	3-0-6	Introduction to Discrete Mathematics	01	Gherman, M	MWF 13:00 - 13:55	387 LINDE	
Ma 108B	3-0-6	Classical Analysis	01	Looi, S	MWF 11:00 - 11:55	310 LINDE	
Ma 109B	3-0-6	Introduction to Geometry and Topology	01	Jang, H	MWF 10:00 - 10:55	387 LINDE	
Ma 110B	3-0-6	Analysis	01	Hutchcroft, T	MWF 11:00 - 11:55	255 LINDE	
Ma 116B	3-0-6	Mathematical Logic and Axiomatic Set Theory	01	Ervin, G	TR 13:00 - 14:25	387 LINDE	
Ma 120B	3-0-6	Abstract Algebra	01	Zhao, R	MWF 09:00 - 09:55	255 LINDE	
Ma 121B	3-0-6	Combinatorial Analysis	01	Schuelke, B	M 12:30 - 13:55	183 LINDE	
					T 17:00 - 18:25	183 LINDE	

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<b>MATHEMATICS</b>							
Ma 124	3-0-6	Elliptic Curves	01	Fu, Y	TR 13:00 - 14:25	183 LINDE	P
EE/Ma/CS 126B	3-0-6	Information Theory <i>makeup sessions held Wednesdays 10:30-noon in MRE B270</i>	01	Hamkins, J	MF 10:30 - 11:55	B270 MRE	
Ma 130B	3-0-6	Algebraic Geometry	01	Svoboda, J	MWF 13:00 - 13:55	255 LINDE	
Ma 132B	3-0-6	Topics in Algebraic Geometry <i>class cancelled</i>	01	Staff	OM,A	A	P
Ma/ACM/IDS 140A	3-0-6	Probability	01	Vigneaux Ariztia, J	MWF 14:00 - 14:55	255 LINDE	
Ma/ACM 142A	3-0-6	Ordinary and Partial Differential Equations	01	Marcolli, M	TR 13:00 - 14:25	187 LINDE	P
Ma 146B	3-0-6	Introduction to Knot Theory and Quantum Topology	01	Gukov, S	TR 10:30 - 11:55	387 LINDE	
Ma 147A	3-0-6	Dynamical Systems	01	Angelopoulos, I	TR 10:30 - 11:55	183 LINDE	
Ma 148B	3-0-6	Topics in Mathematical Physics	01	Marcolli, M	TR 09:00 - 10:25	187 LINDE	P
Ma 151B	3-0-6	Algebraic and Differential Topology	01	Ni, Y	MWF 10:00 - 10:55	255 LINDE	
Ma 157A	3-0-6	Riemannian Geometry	01	Song, A	MWF 13:00 - 13:55	289 LINDE	
Ma 160A	3-0-6	Number Theory	01	Flach, M	MWF 14:00 - 14:55	187 LINDE	
Ma 191B	3-0-6	Selected Topics in Mathematics <i>Section 1: Onsager's Conjecture and related topics // Section 2: Geometric and Algebraic Methods in Combinatorics // Section 3: cancelled</i>	01 02 03	Isett, P Babecki, C Staff	TR 14:30 - 15:55 MWF 11:00 - 11:55 A	183 LINDE 289 LINDE A	

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<b>MATHEMATICS</b>							
Ma 290	+	Reading	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P
			03	Graber, T	A	A	P
			04	Hutchcroft, 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
			14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Yu, T	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
			Ma 390	+	Research	01	Conlon, D
02	Flach, M	A				A	P
03	Hutchcroft, 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

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<b>MATHEMATICS</b>							
Ma 390	+	Research	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	Yu, T	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	Cvitanić, J	A	A	P
			24	Owhadi, H	A	A	P
			<b>MECHANICAL ENGINEERING</b>				
ME 011B	3-0-6	Thermal Science	01	Blanquart, G	MWF 14:00 - 14:55	135 GTL	G
ME 012B	3-0-6	Mechanics	01	Asimaki, D / Daraio, C	TR 13:00 - 14:25	135 GTL	
ME 013	0-4-0	Mechanical Prototyping <i>Students must submit a questionnaire at <a href="https://registrar.caltech.edu/ME13-113WI2024">https://registrar.caltech.edu/ME13-113WI2024</a> // Students will be notified of acceptance // Max enrollment: 36 students between ME13 and 113. // Information for the course will be provided on the first day of the term.</i>	01	Stovall, P	A	B224 SPL	P
ME 050A	0-6-3	Experiments and Modeling in Mechanical Engineering	01	Mello, M	MWF 11:00 - 11:55	135 GTL	G
ME 072B	1-13-1	Engineering Design Laboratory	01	Mello, M / Stovall, P	TR 15:00 - 16:25	115 GTL	G
CS/EE/ME 075B	+	Multidisciplinary Systems Engineering <i>(2-3-1), (2-6-1), or (2-9-1) Units</i>	01	Chung, S / Carpenter, K	MW 19:00 - 20:25	135 GTL	



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<b>MECHANICAL ENGINEERING</b>							
ME 090B	0-9-0	Senior Thesis: Major Design Experience	01	Ames, A	A	A	G
ME 091B	+	Senior Thesis	01	Ames, A	A	A	P
ME 100	+	Independent Studies in Mechanical Engineering	01	Colonus, T	A	A	P
			02	Burdick, J	A	A	P
			03	Scherer, A	A	A	P
			04	Phillips, R	A	A	P
			05	Ames, A	A	A	P
			07	Tai, Y	A	A	P
			08	Hunt, M	A	A	P
			09	Minnich, A	A	A	P
			10	Fu, X	A	A	P
			11	Blanquart, G	A	A	P
			12	Perona, P	A	A	P
			13	Doyle, J	A	A	P
			14	Daraio, C	A	A	P
			15	Gharib, M	A	A	P
			16	Murray, R	A	A	P
			17	McKeon, B	A	A	P
			18	Mawet, D	A	A	P
			19	Greer, J	A	A	P
			20	Rosakis, A	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Pullin, D	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Rosakis, A	TR 09:00 - 10:25	115 GTL	G
APh/MS/ME 105B	3-0-6	States of Matter	01	Fultz, B	TR 09:00 - 10:25	104 WAT	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Shepherd, J	A	A	
			02	Scherer, A	A	A	

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<b>MECHANICAL ENGINEERING</b>							
ME 110	+	Special Laboratory Work in Mechanical Engineering	03	Ravichandran, G	A	A	
			04	Burdick, J	A	A	
			05	Ames, A	A	A	
ChE/ESE/ME/MS 111	3-0-6	Sustainable Engineering	01	Kornfield, J	TR 11:30 - 12:55	153 NYS	
ME 113	0-4-0	Mechanical Prototyping <i>Students must submit a questionnaire at <a href="https://registrar.caltech.edu/ME13-113WI2024">https://registrar.caltech.edu/ME13-113WI2024</a> // Students will be notified of acceptance // Max enrollment: 36 students between ME13 and 113. // Information for the course will be provided on the first day of the term.</i>	01	Stovall, P	A	B224 SPL	P
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
ME/CS/EE 133B	3-2-4	Robotics	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
ME/CS/EE 134	1-7-1	Robotic Systems	01	Niemeyer, G / Peticco, M	MWF 13:00 - 13:55	135 GTL	
ME/CE/Ge/ESE 146	3-0-6	Computational Methods for Flow in Porous Media	01	Fu, X	MW 13:00 - 14:25	115 GTL	G
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Bhattacharya, K	MWF 09:00 - 09:55	135 GTL	G
ME/CE/Ge 174	3-0-6	Mechanics of Rocks	01	Lapusta, N	MW 14:30 - 15:55	115 GTL	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Ravichandran, G	A	A	P
			05	Brady, J	A	A	P

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<b>MECHANICAL ENGINEERING</b>							
ME 200	+	Advanced Work in Mechanical Engineering	06	Bhattacharya, K	A	A	P
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Pullin, D	MWF 08:00 - 08:55	133 GUG	P
ME/CDS 235A	3-3-3	Advanced Robotics: Kinematics	01	Burdick, J	MWF 11:00 - 11:55	115 GTL	G
Ae/AM/CE/ME/Ge 264	3-0-6	Static and Dynamic Failure of Brittle Solids and Interfaces, from the Micro to the Mega	01	Rosakis, A	TR 14:00 - 15:25	133 GUG	
ME 300	+	Research in Mechanical Engineering	01	Blanquart, G	A	A	P
			02	Fultz, B	A	A	P
			03	Burdick, J	A	A	P
			04	Colonus, T	A	A	P
			05	Chung, S	A	A	P
			06	Hunt, M	A	A	P
			07	Murray, R	A	A	P
			08	Lewis, N	A	A	P
			09	Bhattacharya, K	A	A	P
			10	Shepherd, J	A	A	P
			11	Andrade, J	A	A	P
			12	Bellan, P	A	A	P
			13	Leonard, A	A	A	P
			14	Ortiz, M	A	A	P
			15	Pachter, L	A	A	P
			16	Greer, J	A	A	P
			17	Lapusta, N	A	A	P
			18	Gharib, M	A	A	P
			19	Troian, S	A	A	P
			20	Brady, J	A	A	P
			21	Daraio, C	A	A	P
			22	Dickinson, M	A	A	P
			23	Ravichandran, G	A	A	P
			24	Atwater, H	A	A	P

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<b>MECHANICAL ENGINEERING</b>							
ME 300	+	Research in Mechanical Engineering	25	Adkins, J	A	A	P
			27	McKeon, B	A	A	P
			28	Hoffmann, M	A	A	P
			29	Asimaki, D	A	A	P
			30	Minnich, A	A	A	P
			32	Scherer, A	A	A	P
			33	Ames, A	A	A	P
			34	Pellegrino, S	A	A	P
			37	Schneider, T	A	A	P
			38	Stuart, A	A	A	P
			39	Rosakis, A	A	A	P
			40	Dabiri, J	A	A	P
			41	Fu, X	A	A	P
			42	Heaton, T	A	A	P
			43	Bae, H	A	A	P
44	Avouac, J	A	A	P			
<b>MEDICAL ENGINEERING</b>							
MedE 099	+	Undergraduate Research in Medical Engineering	01	Petrasek, D	A	A	P
			02	Shapiro, M	A	A	P
			03	Tai, Y	A	A	P
			04	Gao, W	A	A	P
			06	Wang, L	A	A	P
MedE 100B	1-0-0	Medical Engineering Seminar	01	Tai, Y / Gao, W	R 16:00 - 16:55	105 ANB	P
ChE/BE/MedE 112	3-0-6	Creativity and Technological Innovation with Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	113 SPL	
MS/ME/MedE 116	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	104 WAT	
EE/BE/MedE 185	3-0-6	Micro/Nano Technology for Semiconductor and Medical Device	01	Tai, Y	MW 10:30 - 11:55	142 KCK	

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<b>MEDICAL ENGINEERING</b>							
EE/MedE 187	3-0-6	VLSI and ULSI Technology	01	Tai, Y	MW 14:30 - 15:55	B270 MRE	
MedE 201	3-0-6	Introduction to Medical Devices	01	Gao, W	MW 13:00 - 14:25	142 KCK	G
MedE 202	3-0-6	Sensors in Medicine	01	Gao, W	MW 09:00 - 10:25	142 KCK	G
MedE/EE 268	4-0-5	Medical Imaging	01	Wang, L	WF 16:00 - 17:55	142 KCK	
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	Pachter, L	A	A	P
			20	Gradinaru, V	A	A	P
			21	Daraio, C	A	A	P
			22	Kornfield, J	A	A	P
			24	Thomson, M	A	A	P
			25	Andersen, R	A	A	P

**MUSIC**

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<b>MUSIC</b>							
Mu 058	3-0-6	Harmony I <i>maximum enrollment: 15 students</i>	01	Nelson, J	TR 10:30 - 11:55	B133 BAX	
<b>NEUROBIOLOGY</b>							
NB/Bi/CNS 163	3-0-3	The Biological Basis of Neural Disorders	01	Lester, H / Lois, C	MW 09:00 - 10:25	B101 BBB	
PI/CNS/NB/Bi/Psy 167	3-0-6	Consciousness <i>open by application only, apply at <a href="http://registrar.caltech.edu/PL167">http://registrar.caltech.edu/PL167</a> // maximum enrollment: 15 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	B101 BBB	G
CNS/Bi/EE/CS/NB 186	4-4-4	Vision: From Computational Theory to Neuronal Mechanisms <i>class meets in BBB B180 on 1/11/24</i>	01	Meister, M / Perona, P / Shimojo, S / Rutishauser, U	TR 10:30 - 11:55	130 CNRB	
NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function <i>postponed to spring term</i>	01	Anderson, D	A	A	
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P
			03	Andersen, R	A	A	P
			04	Anderson, D	A	A	P
			05	Bronner Hansen, M	A	A	P
			06	Dickinson, M	A	A	P
			07	Gradinaru, V	A	A	P
			08	Hong, E	A	A	P
			09	Kennedy, M	A	A	P
			10	Lester, H	A	A	P
			11	Lois, C	A	A	P
			12	Meister, M	A	A	P
			13	Oka, Y	A	A	P
			14	Prober, D	A	A	P
			15	Roukes, M	A	A	P
			16	Shapiro, M	A	A	P
			17	Shimojo, S	A	A	P

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<b>NEUROBIOLOGY</b>							
NB 299	+	Graduate Research	18	Siapas, A	A	A	P
			19	Sternberg, P	A	A	P
			21	Wagenaar, D	A	A	P
			22	Zinn, K	A	A	P
			23	Parker, J	A	A	P
			24	Yue, Y	A	A	P
			25	Elowitz, M	A	A	P
			26	Mazmanian, S	A	A	P
<b>PERFORMING AND VISUAL ARTS</b>							
PVA030B	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	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
PVA031B	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano four-hands // Sec 3: Guitar Ensemble</i>	01	Jasper White, M	OM,A	House Music	P
			02	Ward, R	OM,A	House Music	P
			03	Elgart, M	OM,A	House Music	P
PVA032B	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:00	Fr Rehearsal Hall HAM	P
PVA033B	0-3-0	Wind Orchestra	01	Price, G	R 19:30 - 21:45	Fr Rehearsal Hall HAM	P
PVA034B	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:30 - 21:00	Fr Rehearsal Hall HAM	P
					W 21:15 - 22:30	Fr Rehearsal Hall HAM	
PVA035B	0-3-0	Glee Club	01	Sulahian, N	M 19:00 - 20:30	Fr Rehearsal Hall HAM	P
					W 17:05 - 18:35	Fr Rehearsal Hall HAM	
PVA037B	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 22:00	Fr Rehearsal Hall HAM	P

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<b>PERFORMING AND VISUAL ARTS</b>							
PVA040B	2-0-1	Theater Arts Production	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA041B	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA042B	2-0-1	Improvisation for Scientists	01	Brophy, B	W 20:30 - 21:55	Ramo Auditorium BAX	P
PVA061B	0-3-0	Silk Painting <i>max enrollment: 18 students</i>	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PVA062B	0-3-0	Drawing and Painting <i>max enrollment: 17 students per section</i>	01 02	Barry, J Barry, J	T 19:00 - 21:55 W 19:00 - 21:55	Garage TCT Garage TCT	P P
PVA063B	0-3-0	Ceramics <i>maximum enrollment: 10 students</i>	01	Plunkett, L	R 19:00 - 21:55	POLY	P
<b>PHILOSOPHY</b>							
Hum/PI 040	3-0-6	Right and Wrong <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students</i>	01	Quartz, S	TR 13:00 - 14:25	B119 BAX	
Hum/PI 041	3-0-6	Knowledge and Reality <i>Attendance at the first class meeting is required. // maximum enrollment: 15 students per section // class closed, see instructor for waitlist</i>	01 02	Hitchcock, C Hitchcock, C	TR 09:00 - 10:25 TR 13:00 - 14:25	B119 BAX 127 BAX	
PI 090A	1-0-8	Senior Thesis	01	Quartz, S	A	A	G
PI 090B	1-0-8	Senior Thesis <i>Instructor permission required prior to registering</i>	01	Eberhardt, F	A	A	
PI 098	+	Reading in Philosophy	01	Staff	A	A	P
HPS/PI/CS 110	3-0-6	Causation and Explanation <i>open by application only, apply at</i>	01	Eberhardt, F	TR 13:00 - 14:25	B133 BAX	G



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<b>PHILOSOPHY</b>							
HPS/PI 124	3-0-6	Philosophy of Space and Time <i>maximum enrollment: 15 students</i>	01	Chua, E	TR 13:00 - 14:25	121 BCK	G
HPS/PI 138	3-0-6	Human Nature and Society <i>open by lottery only; see link on the REGIS home page to enter by Nov 15th // maximum enrollment: 15 students</i>	01	Quartz, S	TR 14:30 - 15:55	B119 BAX	
PI/CNS/NB/Bi/Psy 167	3-0-6	Consciousness <i>open by application only, apply at <a href="http://registrar.caltech.edu/PL167">http://registrar.caltech.edu/PL167</a> // maximum enrollment: 15 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	B101 BBB	G
<b>PHYSICAL EDUCATION</b>							
PE 001	3-0-0	Wellness <i>maximum enrollment: 20 students</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: 18 students</i>	01	Meyring, E	TR 10:30 - 11:55	BAC	P
PE 005	3-0-0	Beginning Running <i>maximum enrollment: 20 students</i>	01	Blake, K	MW 13:00 - 14:25	BAC	P
PE 006	3-0-0	Core Training, Beginning/Intermediate <i>class cancelled</i>	01	Harvey, N / Estrada, I	A	A	P
PE 010	3-0-0	Aerobic Dance <i>maximum enrollment: 20 students</i>	01	Sufi, M	MW 15:00 - 16:25	BAC	P
PE 023	3-0-0	Pilates <i>maximum enrollment: 18 students</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</i>	01	Chiang, N	MW 13:00 - 14:25	BAC	P
			02	Chiang, N	TR 10:30 - 11:55	BAC	P
PE 027	3-0-0	Ultimate Frisbee <i>maximum enrollment: 18 students</i>	01	Gillis, D	TR 13:00 - 14:25	BAC	P

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<b>PHYSICAL EDUCATION</b>							
PE 038	3-0-0	Water Polo <i>maximum enrollment: 20 students</i>	01	Bonafede, J	MW 14:00 - 15:25	BAC	P
PE 044	3-0-0	Karate (Shotokan), Beginning and Intermediate/Advanced <i>maximum enrollment: 20 students</i>	01	Sugino, L	TR 14:30 - 15:55	BAC	P
PE 050	3-0-0	Badminton, Beginning/Intermediate <i>maximum enrollment: 16 students</i>	01	Weintraub, B	MW 09:00 - 10:25	BAC	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate <i>maximum enrollment: 8 students</i>	01	Gardner, T	MW 10:00 - 11:25	BAC	P
PE 081	3-0-0	Bouldering <i>may not be repeated // maximum enrollment: 12 students</i>	01	Herbison, J	TR 14:30 - 15:55	BAC	P
PE 082	3-0-0	Rock Climbing, Beginning and Intermediate <i>may not be repeated // maximum enrollment: 12 students</i>	01	Herbison, J	TR 13:00 - 14:25	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 087	3-0-0	Intercollegiate Swimming and Diving Teams <i>Open to NCAA eligible students only</i>	01	Brabson, A	MTWRFS 16:00 - 17:55	BAC	P
PE 090	3-0-0	Intercollegiate Water Polo Teams <i>Open to NCAA eligible students only</i>	01	Bonafede, J	MTWRFS 16:00 - 17:55	BAC	P
PE 091	3-0-0	Intercollegiate Basketball Teams <i>Open to NCAA eligible students only</i>	01	Eslinger, O / Tarakchian, A	MTWRFS 16:00 - 17:55	BAC	P
PE 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	MTWRFS 16:00 - 17:55	BAC	P
<b>PHYSICS</b>							

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<b>PHYSICS</b>										
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	01	Chen, X	WF 15:00 - 15:55	201 BRG	P			
					MR 13:00 - 13:55	102 STL				
			02	Chen, X	WF 15:00 - 15:55	201 BRG	P			
					MR 13:00 - 13:55	269 LAU				
			03	Chen, X	WF 15:00 - 15:55	201 BRG	P			
					MR 15:00 - 15:55	119 KRK				
			04	Chen, X	WF 15:00 - 15:55	201 BRG	P			
					MR 15:00 - 15:55	102 STL				
			05	Chen, X	WF 15:00 - 15:55	201 BRG	P			
					MR 15:00 - 15:55	269 LAU				
Ph 002B	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Filippone, B	TR 11:00 - 11:55	119 KRK	G			
					WF 11:00 - 11:55	102 STL				
			02	Filippone, B	TR 11:00 - 11:55	119 KRK	G			
					WF 13:00 - 13:55	102 STL				
			03	Filippone, B	TR 11:00 - 11:55	119 KRK	G			
					WF 09:00 - 09:55	102 STL				
			Ph 003	0-3-3	Introductory Physics Laboratory <i>Maximum enrollment: 24 students per section</i>	01	Black, E / Libbrecht, K	W 13:00 - 15:55	308 BRG	
						02	Black, E / Libbrecht, K	R 13:00 - 15:55	308 BRG	
						03	Black, E / Libbrecht, K	F 13:00 - 15:55	308 BRG	
			Ph 006	0-9-0	Physics Laboratory <i>maximum enrollment: 40 students</i>	01	Rice, F / Politzer, H	OM,A	A	

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<b>PHYSICS</b>							
Ph 008B	0-3-0	Experiments in Electromagnetism <i>enrollment with approval of instructor only</i>	01	Spiropulu, M	A	A	P
FS/Ph 011B	2-0-4	First-Year Seminar: Beyond Physics	01	Phillips, R	A	A	P
Ph 012B	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	McCuller, L	TR 10:30 - 11:55	269 LAU	G
Ph 020	0-6-0	Computational Physics Laboratory I	01	Adhikari, R / McCuller, L	M 11:00 - 11:55 F 13:00 - 16:55	269 LAU 269 LAU	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Adhikari, R / McCuller, L	M 11:00 - 11:55 F 13:00 - 16:55	269 LAU 269 LAU	P
Ph 050B	1-0-2	Caltech Physics League	01	Refael, G	A	A	P
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,W 15:00 - 15:55	210 BRG	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,W 15:00 - 15:55	210 BRG	
Ph 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,W 15:00 - 15:55	210 BRG	
Ph 078B	+	Senior Thesis (Experiment)	01	Libbrecht, K	A	A	P
Ph 079B	+	Senior Thesis (Theory)	01	Libbrecht, K	A	A	P
Ph 106B	4-0-5	Topics in Classical Physics	01	Golwala, S	TR 10:30 - 11:55	107 DWN	
APh/Ph 112A	3-0-6	Noise and Stochastic Resonance	01	Troian, S	TR 14:30 - 15:55	111 KCK	
Ph/APh/EE/BE 118A	3-0-6	Physics of Measurement <i>class cancelled, to be offered spring term</i>	01	Staff	A	A	

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<b>PHYSICS</b>							
Ph 125B	4-0-5	Quantum Mechanics	01	Porter, F	MWF 10:00 - 10:55	107 DWN	
Ph 127B	4-0-5	Statistical Physics of Interacting Systems, Phases, and Phase Transitions	01	Motrunich, O	MW 13:00 - 14:25	107 DWN	
Ph 129B	4-0-5	Mathematical Methods of Physics <i>PDE's</i>	01	Chatzioannou, K	MW 14:30 - 15:55	121 BCK	
Ph/APh 137B	3-0-6	Atoms and Photons	01	Endres, M	TR 10:30 - 11:55	219 CHL	
Ph 139	3-0-6	Introduction to Elementary Particle Physics	01	Weinstein, A	TR 13:00 - 14:25	103 DWN	
Ph 171	+	Reading and Independent Study	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P
			47	Simmons-Duffin, D	A	A	P
			48	Spiropulu, M	A	A	P
			49	Stone, E	A	A	P
			50	Teukolsky, S	A	A	P
			51	Troian, S	A	A	P
			52	Weinstein, A	A	A	P
			53	Wise, M	A	A	P
			54	Yeh, N	A	A	P
			55	Yue, Y	A	A	P

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	56	Zmuidzinas, J	A	A	P
			57	Rangel, A	A	A	P
			58	Zurek, K	A	A	P
			59	McCuller, L	A	A	P
			60	Ghaffari, A	A	A	P
			61	Ye, L	A	A	P
			62	Most, E	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
			14	Knutson, H	A	A	P
			15	Libbrecht, K	A	A	P
			16	Martin, C	A	A	P
			17	Mawet, D	A	A	P
			18	Nad Perge, S	A	A	P
			19	Newman, H	A	A	P
			20	Oguri, H	A	A	P
			21	Painter, O	A	A	P
			22	Patterson, R	A	A	P
			23	Phillips, R	A	A	P
			24	Porter, F	A	A	P
			25	Prince, T	A	A	P
			26	Rosenbaum, T	A	A	P

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<b>PHYSICS</b>							
Ph 172	+	Research in Physics	27	Roukes, M	A	A	P
			28	Scherer, A	A	A	P
			29	Schwab, K	A	A	P
			30	Spiropulu, M	A	A	P
			31	Stone, E	A	A	P
			32	Weinstein, A	A	A	P
			33	Yeh, N	A	A	P
			34	Zmuidzinas, J	A	A	P
			36	Yue, Y	A	A	P
			37	Wise, M	A	A	P
			38	Simmons-Duffin, D	A	A	P
			39	Refael, G	A	A	P
			40	Preskill, J	A	A	P
			41	Bernardi, M	A	A	P
			42	Hopkins, P	A	A	P
			43	Kapustin, A	A	A	P
			44	Gukov, S	A	A	P
			45	Cheung, C	A	A	P
			46	Chen, Y	A	A	P
			47	Chen, X	A	A	P
			48	Guadalupe Dos Santos	A	A	P
				Lins Brandao, F			
			49	Faraon, A	A	A	P
			50	Alicea, J	A	A	P
			51	Bellan, P	A	A	P
			52	Teukolsky, S	A	A	P
			53	Ravi, V	A	A	P
			54	Zurek, K	A	A	P
			56	Chan, G	A	A	P
			57	Chatzioannou, K	A	A	P
			58	Dore, O	A	A	P
			61	Bradford, C	A	A	P
			62	Bellan, P	A	A	P



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<b>PHYSICS</b>							
Ph 172	+	Research in Physics	63	McCuller, L	A	A	P
			64	Kasliwal, M	A	A	P
			65	Gregoire, J	A	A	P
			66	Motrunich, O	A	A	P
			67	Wang, Z	A	A	P
			68	Ghaffari, A	A	A	P
			69	Wang, L	A	A	P
			70	Ye, L	A	A	P
			71	Most, E	A	A	P
Ph 177	0-4-5	Advanced Experimental Physics	01	Hutzler, N / Rice, F	OM,W 16:00 - 16:55	304 BRG	
Ph 205B	3-0-6	Relativistic Quantum Field Theory	01	Wise, M	MW 10:30 - 11:55	103 DWN	P
Ph/CS 219B	3-0-6	Quantum Computation	01	Kitaev, A	MW 14:30 - 15:55	103 DWN	P
Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	
Ph 229A	3-0-6	Advanced Mathematical Methods of Physics	01	Kapustin, A	TR 10:30 - 11:55	469 LAU	P
Ph 230B	3-0-6	Elementary Particle Theory	01	Oguri, H	MW 09:00 - 10:25	469 LAU	
Ph 235B	3-0-6	Theoretical Cosmology and Astroparticle Physics <i>class cancelled</i>	01	Staff	A	A	P
Ph 236B	3-0-6	General Relativity	01	Teukolsky, S	TR 14:30 - 15:55	387 LINDE	P
Ph 242B	2-0-2	Physics Seminar	01	Libbrecht, K	F 12:00 - 13:55	B160 BRG	P
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P

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Ph 300	+	Thesis Research	03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P

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<b>PHYSICS</b>							
Ph 300	+	Thesis Research	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
57	Marcolli, M	A	A	P			
58	Ravi, V	A	A	P			
59	Chatzioannou, K	A	A	P			
60	Zurek, K	A	A	P			
<b>POLITICAL SCIENCE</b>							
PS 012	3-0-6	Introduction to Political Science <i>maximum enrollment: 100 students</i>	01	Kiewiet, D	W 19:30 - 21:25	Lecture Hall BAX	
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P

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<b>POLITICAL SCIENCE</b>							
PS 099A	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01	Staff	A	A	
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i>	01 02	Ordeshook, P Alvarez, R	A A	A A	
Ec/PS 124	3-0-6	Identification Problems in the Social Sciences	01	Sherman, R	TR 13:00 - 14:25	B125 BAX	
PS 125	3-0-6	Analyzing Political Conflict and Violence	01	Gibilisco, M	TR 10:30 - 11:55	B119 BAX	
PS 141A	3-0-6	A History of Budgetary Politics in the United States <i>designated as Writing Intensive course // maximum enrollment: 75 students</i>	01	Kiewiet, D	T 14:30 - 16:30	142 KCK	G
PS/Ec 172	3-0-6	Game Theory	01	Pomatto, L	TR 10:30 - 11:55	B125 BAX	
<b>PSYCHOLOGY</b>							
CNS/Psy/Bi 102A	3-0-6	Social and Decision Neuroscience <i>class meets in Broad 200 on 1/8/24</i>	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 CNRB	
Psy120	3-0-6	Metascience: The Science of Being an Impactful Scientist <i>maximum enrollment: 14 students</i>	01	Mobbs, D	F 10:30 - 13:25	228 BAX	
PI/CNS/NB/Bi/Psy 167	3-0-6	Consciousness <i>open by application only, apply at <a href="http://registrar.caltech.edu/PL167">http://registrar.caltech.edu/PL167</a> // maximum enrollment: 15 students</i>	01	Eberhardt, F / Adolphs, R	TR 10:30 - 11:55	B101 BBB	G
Psy283B	1.5-0-1.5	Graduate Proseminar in Social and Decision Neuroscience <i>this course is only open to graduate students in</i>	01	Rangel, A	F 13:00 - 14:25	B119 BAX	P

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<b>PSYCHOLOGY</b>							
SS/Psy/CNS 285	1.5-0-1.5	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L	M 17:00 - 18:25	127 BAX	P
<b>SCIENTIFIC AND ENGINEERING COMMUNICATION</b>							
SEC010	3-0-0	Technical Seminar Presentations <i>if class is full, see waitlist form at <a href="https://forms.office.com/r/Stt4CC7mSR">https://forms.office.com/r/Stt4CC7mSR</a> // class meets in LAU 269 on 1/3/24 and 1/5/24 // maximum enrollment: 21 students per section</i>	01	Gold, J	MWF 09:00 - 09:55	100 PWB	G
			02	Gold, J	MWF 10:00 - 10:55	100 PWB	G
			03	Gold, J	MWF 11:00 - 11:55	100 PWB	G
SEC011	1-0-2	Written Academic Communication in Engineering and Applied Science <i>Priority given to seniors in E&amp;AS and GPS // maximum enrollment: 20 students // go to <a href="https://forms.office.com/r/B2qGYuQujs">https://forms.office.com/r/B2qGYuQujs</a> to be added to waitlist when class is full</i>	01	Meyer, V	F 10:00 - 10:55	104 WAT	G
SEC012	1-0-2	Written Professional Communication in Engineering and Applied Science <i>Priority given to seniors in E&amp;AS only // maximum enrollment: 20 students // go to <a href="https://forms.office.com/r/B2qGYuQujs">https://forms.office.com/r/B2qGYuQujs</a> to be added to waitlist when class is full</i>	01	Bickford, C	W 13:00 - 13:55	104 WAT	G
SEC013	1-0-2	Written Communication about Engineering and Applied Sciences to Non-Specialists <i>Priority given to seniors in E&amp;AS and GPS // maximum enrollment: 20 students // go to <a href="https://forms.office.com/r/B2qGYuQujs">https://forms.office.com/r/B2qGYuQujs</a> to be added to waitlist when class is full</i>	01	Burkett, E	W 11:00 - 11:55	104 WAT	G
E/SEC 103	3-0-6	Management of Technology <i>open by instructor approval only - complete the pre-registration survey at <a href="https://murray.cds.caltech.edu/E/SEC_103,_Winter_2024">https://murray.cds.caltech.edu/E/SEC_103,_Winter_2024</a> by Nov 14th</i>	01	Murray, R	MW 13:30 - 14:55	213 ANB	

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<b>SCIENTIFIC AND ENGINEERING COMMUNICATION</b>							
SEC201	1-0-0	Advancing Inclusion in College Teaching <i>maximum enrollment: 12 students // meets in the CTLO Workshop Space</i>	01	Imamura, J	W 15:00 - 15:55	360 CSS	P
<b>SOCIAL SCIENCE</b>							
SS 201B	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only</i>	01	Saito, K	MW 10:30 - 11:55	127 BAX	G
SS 202B	3-0-6	Political Theory <i>Open to Social Science graduate students only</i>	01	Hirsch, A	TR 10:30 - 11:55	228 BAX	G
SS 205B	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Pomatto, L	MW 14:30 - 15:55	125 BAX	G
SS 210B	3-0-6	Foundations of Political Economy	01	Gibilisco, M	MW 14:30 - 15:55	115 DAB	G
SS 211B	3-0-6	Advanced Economic Theory	01	Niemeyer, A	TR 13:00 - 14:25	239 BAX	G
SS 212B	3-0-6	Experimental Economics	01	Nielsen, K	MW 10:30 - 11:55	125 BAX	G
SS 222B	3-0-6	Econometrics	01	Xin, Y	TR 13:00 - 14:25	115 DAB	G
SS 223B	3-0-6	Topics in Theoretical and Applied Econometrics	01	Shum, M	F 13:00 - 15:55	B125 BAX	G
SS 229A	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Rosenthal, J	MWF 11:00 - 11:55	B125 BAX	G
SS 231A	3-0-6	American and Comparative Politics	01	Katz, J	F 13:00 - 15:55	B133 BAX	G
SS 231B	3-0-6	American and Comparative Politics	01	Alvarez, R	M 09:00 - 11:55	128 BAX	G
SS 282B	1.5-0-1.5	Graduate Proseminar in Social Science	01	Xin, Y	M 14:30 - 15:55	127 BAX	P

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<b>SOCIAL SCIENCE</b>							
SS/Psy/CNS 285	1.5-0-1.5	Topics in Social, Cognitive, and Decision Sciences	01	Pomatto, L	M 17:00 - 18:25	127 BAX	P
SS 299	3-0-6	Writing	01	Sherazi, M	TR 10:30 - 11:55	239 BAX	G
SS 300	+	Research in Social Science	01	Adolphs, R	A	A	P
			02	Palfrey, T	A	A	P
			04	O'Doherty, J	A	A	P
			06	Katz, J	A	A	P
			07	Kiewiet, D	A	A	P
			08	Echenique, F	A	A	P
			09	Tamuz, O	A	A	P
			10	Plott, C	A	A	P
			11	Alvarez, R	A	A	P
			12	Camerer, C	A	A	P
			13	Agranov, M	A	A	P
			14	Cvitanic, J	A	A	P
			16	Rosenthal, J	A	A	P
			17	Hirsch, A	A	A	P
			18	Shum, M	A	A	P
			19	Rangel, A	A	A	P
			21	Perona, P	A	A	P
			22	Sprenger, C	A	A	P
			23	Hoffman, P	A	A	P
			24	O'Doherty, J	A	A	P
			27	Mobbs, D	A	A	P
			28	Sherman, R	A	A	P
			29	Pomatto, L	A	A	P
			30	Nielsen, K	A	A	P
<b>STUDENT ACTIVITIES</b>							
SA 016B	0-3-0	Cooking Basics <i>maximum enrollment: 20 students</i>	01	Mannion, T	R 19:00 - 21:55	Library AVE	P

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<b>STUDENT ACTIVITIES</b>							
SA 042	0-2-2	Computer Science Education in K-14 Settings Practicum	01	Ralph, C / Wierman, A	M 14:00 - 14:55	314 ANB	P
SA 080B	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
<b>STUDY ABROAD</b>							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
UCL100	36-0-0	University College London Scholars Program	01	Staff	A	A	P
EDN100	36-0-0	University of Edinburgh Scholars Program	01	Staff	A	A	P
<b>VISUAL CULTURE</b>							
Hum/VC 051	3-0-6	Icons and Iconoclasm <i>Attendance at the first class meeting is required.</i> <i>// maximum enrollment: 15 students</i>	01	Jacobson, B	TR 14:30 - 15:55	B133 BAX	
VC 072	3-0-6	Data, Algorithms and Society <i>taught concurrently with CS/IDS 162 //</i> <i>maximum enrollment: 15 students between VC</i> <i>72 and CS/IDS 162 // instructor permission</i> <i>required to add // apply at</i> <i><a href="https://forms.gle/HxCECWgsUaujvT5d8">https://forms.gle/HxCECWgsUaujvT5d8</a></i>	01	Mushkin, H / Ralph, C	TR 14:30 - 15:55	104 ANB	G
VC 090	+	Reading in Visual Culture <i>instructor permission required to enroll</i>	01	Jacobson, B	A	A	P
			02	Jurca, C	A	A	P
En/VC 129	3-0-6	Literature/Photography/Facticity <i>maximum enrollment: 15 students</i>	01	Hill, A	TR 13:00 - 14:25	228 BAX	G
VC 130	3-0-6	Surveillance <i>max enrollment: 15 students // class closed to</i>	01	Jacobson, B	TR 10:30 - 11:55	128 BAX	



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<b>VISUAL CULTURE</b>							
VC 131	3-2-4	Visual Culture and the California Environment <i>class cancelled</i>	01	Jacobson, B / Mushkin, H	A	A	
H/HPS/VC 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	TR DAB	
<b>WRITING</b>							
Wr 004	1-0-2	Principles and Practices of Academic Writing <i>instructor permission required before enrolling</i>	01	Hall, S	W 09:00 - 09:55	128 BAX	P
Wr 050	+	Tutorial in Writing <i>individually scheduled class times</i>	01	Hall, S	A	A	P