

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
AEROSPACE							
Ae 100	+	Research in Aerospace	01	Culick, F	A	A	P
			02	Ravichandran, G	A	A	P
			03	Rosakis, A	A	A	P
			04	Meiron, D	A	A	P
			05	Dimotakis, P	A	A	P
			06	McKeon, B	A	A	P
			07	Blanquart, G	A	A	P
			08	Daraio, C	A	A	P
			09	Shepherd, J	A	A	P
			10	Gharib, M	A	A	P
			11	Chung, S	A	A	P
			12	Pellegrino, S	A	A	P
			13	Bae, H	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Muthiramalil Ravindran, S	MWF 09:00 - 09:55	135 GTL	G
Ae 103B	3-0-6	Aerospace Control Systems	01	Lavretsky, E	M 14:00 - 15:55	384 FIR	
Ae/APh 104C	0-6-3	Experimental Methods	01	McKeon, B	A	A	G
Ae 105C	0-8-1	Space Engineering	01	Pellegrino, S / Watkins, M	TR 14:30 - 15:55	232 GUG	G
Ae 121C	3-0-6	Space Propulsion	01	Polk, J	TR 16:30 - 17:55	232 GUG	
Ae 150C	1-0-0	Aerospace Engineering Seminar	01	Austin, J	M 13:00 - 13:55	133 GUG	P
EE/Ae 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Rosen, P	TR 14:30 - 15:55	B180 BBB	

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AEROSPACE							
Ae 200	+	Advanced Research in Aerospace	01	Bellan, P	A	A	P
			02	Schneider, T	A	A	P
			03	Pellegrino, S	A	A	P
			04	Dimotakis, P	A	A	P
			05	Gharib, M	A	A	P
			06	Hornung, H	A	A	P
			07	McKeon, B	A	A	P
			08	Leonard, A	A	A	P
			09	Murray, R	A	A	P
			10	Ortiz, M	A	A	P
			11	Pullin, D	A	A	P
			12	Ravichandran, G	A	A	P
			13	Rosakis, A	A	A	P
			14	Bhattacharya, K	A	A	P
			15	Colonus, T	A	A	P
			16	Shepherd, J	A	A	P
			17	Blake, G	A	A	P
			18	Lapusta, N	A	A	P
			19	Troian, S	A	A	P
			20	Daraio, C	A	A	P
			21	Chung, S	A	A	P
			22	Blanquart, G	A	A	P
			23	Kochmann, D	A	A	P
			24	Greer, J	A	A	P
			25	Gurnis, M	A	A	P
			26	Minnich, A	A	A	P
			27	Johnson, J	A	A	P
			28	Austin, J	A	A	P
			29	Kulkarni, S	A	A	P
			30	Meiron, D	A	A	P
			31	Burdick, J	A	A	P
			32	Asimaki, D	A	A	P
			33	Hunt, M	A	A	P

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AEROSPACE							
Ae 200	+	Advanced Research in Aerospace	34	Dickinson, M	A	A	P
			35	Mawet, D	A	A	P
			36	Dabiri, J	A	A	P
			37	Bae, H	A	A	P
Ae 208C	1-0-0	GALCIT Colloquium	01	Austin, J	F 15:00 - 15:55	133 GUG	P
Ae 237B	3-0-6	Nonsteady Gasdynamics	01	Austin, J	TR 10:30 - 11:55	133 GUG	P
Ae 240	+	Special Topics in Fluid Mechanics <i>Section 1: Educational Exchange (Pass-Fail only)</i>	01	Austin, J	A	A	P
Ae/BE 242	3-0-6	Biological Flows: Propulsion	01	Dabiri, J	TR 09:00 - 10:25	133 GUG	P
ME/Ge/Ae 266A	3-0-6	Dynamic Fracture and Frictional Faulting <i>class cancelled</i>	01	Lapusta, N	A	A	
ANTHROPOLOGY							
An 097	+	Undergraduate Research	01	Staff	A	A	P
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 12 students // class closed - contact instructor for waitlist</i>	01	Ensminger, J	MW 14:30 - 15:55	128 BAX	G
APPLIED & COMPUTATIONAL MATH							
ACM011	2-2-2	Introduction to Computational Science and Engineering	01	Qian, E	M 13:00 - 14:55	104 ANB	
ACM080C	+	Undergraduate Thesis	01	Staff	A	A	P
ACM081C	+	Undergraduate Projects in Applied and Computational Mathematics	01	Chandrasekaran, V	A	A	P
			02	Zuev, K	A	A	P
			03	Leong, O	A	A	P

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APPLIED & COMPUTATIONAL MATH							
ACM081C	+	Undergraduate Projects in Applied and Computational Mathematics	04	Preskill, J	A	A	P
ACM095B	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Meiron, D	MWF 11:00 - 12:15	Lecture Hall BAX	
ACM100B	4-0-8	Introductory Methods of Applied Mathematics for the Physical Sciences	01	Meiron, D	MWF 11:00 - 12:15	Lecture Hall BAX	
AM/ACM 127	3-0-6	Calculus of Variations	01	Bhattacharya, K	TR 14:30 - 15:55	115 GTL	
Ma/ACM/IDS 140B	3-0-6	Probability	01	Tamuz, O	MWF 13:00 - 13:55	Hameetman Aud CHL	
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	Lecture Hall BAX	
ACM190	+	Reading and Independent Study	01	Bruno, O	A	A	P
			02	Qian, E	A	A	P
ACM/IDS 213	3-0-6	Topics in Optimization	01	Qian, E	MW 10:00 - 11:25	213 ANB	
ACM270	3-0-6	Advanced Topics in Applied and Computational Math: Mathematics of Data Science	01	Leong, O	TR 10:30 - 11:55	106 ANB	G
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P
			03	Desbrun, M	A	A	P
			04	Hou, Y	A	A	P
			05	Tropp, J	A	A	P
			06	Meiron, D	A	A	P
			07	Stuart, A	A	A	P
			08	Owhadi, H	A	A	P
			09	Hassibi, B	A	A	P
			10	Schroeder, P	A	A	P
			11	Beck, J	A	A	P

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APPLIED MECHANICS							
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Muthiramalil Ravindran, S	MWF 09:00 - 09:55	135 GTL	G
AM/ACM 127	3-0-6	Calculus of Variations	01	Bhattacharya, K	TR 14:30 - 15:55	115 GTL	
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
AM/CE/ME 252	2-1-6	Linear and Nonlinear Waves in Structured Media <i>class cancelled</i>	01	Daraio, C	A	A	
AM 300	+	Research in Applied Mechanics	01	Lapusta, N	A	A	P
			02	Bhattacharya, K	A	A	P
			03	Andrade, J	A	A	P
			04	Avouac, J	A	A	P
			05	Murray, R	A	A	P
			06	Ortiz, M	A	A	P
			07	Phillips, R	A	A	P
			08	Ravichandran, G	A	A	P
			09	Fu, X	A	A	P
			10	Greer, J	A	A	P
APPLIED PHYSICS							
APh/EE 024	3-0-6	Introductory Optics and Photonics Laboratory	01	Matsko, A	OM,M 16:00 - 16:55	133 STL	
APh078C	0-9-0	Senior Thesis, Experimental	01	Atwater, H	A	A	
			02	Painter, O	A	A	
			03	Yung, Y	A	A	
			04	Scherer, A	A	A	
			05	Vahala, K	A	A	
			06	Bellan, P	A	A	
			07	Troian, S	A	A	
			08	Phillips, R	A	A	
			09	Faraon, A	A	A	

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APPLIED PHYSICS							
APh078C	0-9-0	Senior Thesis, Experimental	10	Schwab, K	A	A	
			11	Endres, M	A	A	
			12	Hajimiri, S	A	A	
			13	Fultz, B	A	A	
APh079C	0-9-0	Senior Thesis, Theoretical	01	Phillips, R	A	A	G
			02	Troian, S	A	A	G
			03	Kimble, H	A	A	G
APh100	+	Advanced Work in Applied Physics	01	Phillips, R	A	A	P
			02	Atwater, H	A	A	P
			03	Faraon, A	A	A	P
			04	Schwab, K	A	A	P
			05	Troian, S	A	A	P
			06	Faraon, A	A	A	P
			07	Bellan, P	A	A	P
			08	Scherer, A	A	A	P
			09	Minnich, A	A	A	P
			10	Painter, O	A	A	P
			11	Quartz, S	A	A	P
			12	Kimble, H	A	A	P
			13	Polk, J	A	A	P
			14	Hajimiri, S	A	A	P
			15	Hajimiri, S	A	A	P
			16	Falson, J	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/APh 104C	0-6-3	Experimental Methods	01	McKeon, B	A	A	G
APh/MS 105C	3-0-6	States of Matter	01	Falson, J	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	

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APPLIED PHYSICS							
APh/Ph 112B	3-0-6	Noise and Stochastic Resonance	01	Troian, S	TR 13:00 - 14:25	170 WAT	
APh114C	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	104 WAT	
EE/APh 120	3-0-6	Physical Optics	01	Mirhosseini, M	MW 10:30 - 11:55	B280 MRE	
APh/Ph 138B	3-0-6	Quantum Hardware and Techniques	01	Faraon, A / Minnich, A	TR 09:00 - 10:25	B280 MRE	P
APh150	+	Topics in Applied Physics	01	Atwater, H / Hail, C	TR 10:30 - 11:55	115 GTL	
		<i>Sec 1: Introduction to Nanophotonics, 9 units (3-0-6) // Sec 2: Nanofabrication Techniques, 6 units (1-4-1), Letter only // Sec 3: Physics on Oceanic Islands, 6 units</i>	02	Scherer, A	R 14:30 - 15:55	142 KCK	
			03	Phillips, R	OM,M 18:00 - 18:55	REMOTE	
APh156C	3-0-6	Plasma Physics	01	Bellan, P	MW 14:30 - 15:55	104 WAT	
APh/EE 183	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Nad Perge, S	TR 13:00 - 14:25	104 WAT	
APh200	+	Applied Physics Research	01	Desbrun, M	A	A	P
			02	Bellan, P	A	A	P
			03	Atwater, H	A	A	P
			04	Troian, S	A	A	P
			05	Johnson, W	A	A	P
			06	Chen, Y	A	A	P
			07	Yariv, A	A	A	P
			08	Vahala, K	A	A	P
			09	Lewis, N	A	A	P
			10	Fultz, B	A	A	P
			11	Schwab, K	A	A	P
			12	Schneider, T	A	A	P
			13	Refael, G	A	A	P
			14	Kimble, H	A	A	P

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APh200	+	Applied Physics Research	15	Goddard, W	A	A	P
			16	Faraon, A	A	A	P
			17	Minnich, A	A	A	P
			18	Yang, C	A	A	P
			19	Motrunich, O	A	A	P
			20	Hsieh, D	A	A	P
			21	Preskill, J	A	A	P
			22	Painter, O	A	A	P
			23	Bernardi, M	A	A	P
			24	Roukes, M	A	A	P
			25	Alicea, J	A	A	P
			26	Gharib, M	A	A	P
			27	Nad Perge, S	A	A	P
			28	Rosenbaum, T	A	A	P
			29	Hutzler, N	A	A	P
			30	Rees, D	A	A	P
			31	Elowitz, M	A	A	P
			32	Yeh, N	A	A	P
			33	Falson, J	A	A	P
			34	Bock, J	A	A	P
			35	Marandi, A	A	A	P
			36	Endres, M	A	A	P
			37	Cushing, S	A	A	P
			38	Daraio, C	A	A	P
			39	Scherer, A	A	A	P
			40	Phillips, R	A	A	P
			41	Mirhosseini, M	A	A	P
			42	Adhikari, R	A	A	P
			43	Spiropulu, M	A	A	P
			44	Murray, R	A	A	P
			45	Chan, G	A	A	P
Ph/APh 223B	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	

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APPLIED PHYSICS										
APh300	+	Thesis Research in Applied Physics	01	Yariv, A	A	A	P			
			02	Trojan, S	A	A	P			
			03	Vahala, K	A	A	P			
			04	Schwab, K	A	A	P			
			05	Bernardi, M	A	A	P			
			06	Flagan, R	A	A	P			
			07	Faraon, A	A	A	P			
			08	Hsieh, D	A	A	P			
			09	Fultz, B	A	A	P			
			10	Atwater, H	A	A	P			
			11	Desbrun, M	A	A	P			
			12	Daraio, C	A	A	P			
			13	Refael, G	A	A	P			
			14	Nad Perge, S	A	A	P			
			15	Rosenbaum, T	A	A	P			
			16	Vahala, K	A	A	P			
			17	Hutzler, N	A	A	P			
			18	Falson, J	A	A	P			
			19	Marandi, A	A	A	P			
			20	Minnich, A	A	A	P			
			21	Roukes, M	A	A	P			
			22	Chan, G	A	A	P			
			23	Schneider, T	A	A	P			
			26	Scherer, A	A	A	P			
			27	Chen, Y	A	A	P			
			31	Phillips, R	A	A	P			
			33	Bellan, P	A	A	P			
			36	Painter, O	A	A	P			
			38	Zmuidzinas, J	A	A	P			
			ASTROPHYSICS							
			Ay 001	3-3-3	The Evolving Universe <i>not open to juniors or seniors</i>	01	Hallinan, G / Brown, M	MWF 14:00 - 14:55	Hameetman Aud CHL	

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ASTROPHYSICS							
FS/Ay 003	2-0-4	Freshman Seminar: Automating Discovering the Universe <i>maximum enrollment: 12 students</i>	01	Kulkarni, S	TF 16:00 - 16:55	219 CHL	P
Ge/Ay 011C	3-0-6	Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i>	01	Ingersoll, A	TR 13:00 - 14:25	162 SMD	
Ay 031	1-0-2	Writing in Astronomy <i>Open to declared Ay majors at the discretion of the instructor //Nonmajors who have taken Astronomy courses may be admitted, but must have prior approval of instructor. Maximum enrollment: 11 students</i>	01	Steidel, C	F 15:00 - 15:55	219 CHL	G
Ay 043	+	Reading in Astronomy and Astrophysics	01	Hillenbrand, L	A	A	P
Ay 078C	+	Senior Thesis	01	Ravi, V	A	A	P
			02	Hillenbrand, L	A	A	P
			03	Blake, G	A	A	P
			04	Steidel, C	A	A	P
			05	Cohen, J	A	A	P
			06	Scoville, N	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P
			11	Harrison, F	A	A	P
			12	Hallinan, G	A	A	P
			13	Phinney, E	A	A	P
			14	Hopkins, P	A	A	P
			15	Knutson, H	A	A	P
			16	Mawet, D	A	A	P
			17	Kirby, E	A	A	P
			18	Kasliwal, M	A	A	P
			19	Djorgovski, S	A	A	P

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Ay/Ph 104	3-0-6	Relativistic Astrophysics	01	Kasliwal, M	TR 13:00 - 14:25	Hameetman Aud CHL	
Ay 105	1-5-3	Optical Astronomy Instrumentation Lab	01	Mawet, D	TR 09:30 - 12:25	211 CHL	
Ay 119	3-0-3	Astroinformatics <i>class cancelled</i>	01	Lombeyda, S / Djorgovski, S / Graham, M / Mahabal, A	A	A	
Ay 125	3-0-6	High-Energy Astrophysics	01	Phinney, E	TR 10:30 - 11:55	219 CHL	
Ay 126	3-0-6	Interstellar and Intergalactic Medium	01	Steidel, C	TR 14:30 - 15:55	219 CHL	G
Ay 141C	1-0-1	Research Conference in Astronomy	01	Martin, C / Ravi, V / Hopkins, P	F 16:00 - 16:55	Hameetman Aud CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Ravi, V	A	A	P
			02	Blake, G	A	A	P
			03	Stevenson, D	A	A	P
			04	Brown, M	A	A	P
			05	Harrison, F	A	A	P
			06	Djorgovski, S	A	A	P
			07	Readhead, A	A	A	P
			08	Golwala, S	A	A	P
			09	Hillenbrand, L	A	A	P
			11	Kulkarni, S	A	A	P
			12	Martin, C	A	A	P
			13	Zmuidzinas, J	A	A	P
			14	Hallinan, G	A	A	P
			15	Prince, T	A	A	P
			16	Mawet, D	A	A	P
			19	Sargent, A	A	A	P
			20	Hopkins, P	A	A	P
			21	Dore, O	A	A	P

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ASTROPHYSICS										
Ay 142	+	Research in Astronomy and Astrophysics	22	Scoville, N	A	A	P			
			23	Steidel, C	A	A	P			
			24	Phinney, E	A	A	P			
			25	Rogers, L	A	A	P			
			26	Soifer, B	A	A	P			
			27	Knutson, H	A	A	P			
			28	Kasliwal, M	A	A	P			
			29	Kirby, E	A	A	P			
			31	Batygin, K	A	A	P			
			32	Bock, J	A	A	P			
			33	Fuller, J	A	A	P			
			34	Howard, A	A	A	P			
			35	Chang, T	A	A	P			
			Ay 143	+	Reading and Independent Study	01	Steidel, C	A	A	P
						03	Kulkarni, S	A	A	P
04	Hopkins, P	A				A	P			
05	Batygin, K	A				A	P			
06	Brown, M	A				A	P			
07	Blake, G	A				A	P			
08	Knutson, H	A				A	P			
09	Djorgovski, S / Graham, M / Mahabal, A / Lombeyda, S	A				A	P			
Ay 144	+	Independent Writing in Astronomy	01	Batygin, K	A	A	P			
			02	Blake, G	A	A	P			
			03	Bock, J	A	A	P			
			04	Brown, M	A	A	P			
			05	Chang, T	A	A	P			
			06	Djorgovski, S	A	A	P			
			07	Dore, O	A	A	P			
			08	Fuller, J	A	A	P			
			09	Golwala, S	A	A	P			
			10	Hallinan, G	A	A	P			

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ASTROPHYSICS										
Ay 144	+	Independent Writing in Astronomy	11	Harrison, F	A	A	P			
			12	Hillenbrand, L	A	A	P			
			13	Hopkins, P	A	A	P			
			14	Howard, A	A	A	P			
			15	Kasliwal, M	A	A	P			
			16	Kirby, E	A	A	P			
			17	Knutson, H	A	A	P			
			18	Kulkarni, S	A	A	P			
			19	Martin, C	A	A	P			
			20	Mawet, D	A	A	P			
			21	Phinney, E	A	A	P			
			22	Prince, T	A	A	P			
			23	Ravi, V	A	A	P			
			24	Readhead, A	A	A	P			
			25	Rogers, L	A	A	P			
			26	Sargent, A	A	A	P			
			27	Scoville, N	A	A	P			
			28	Soifer, B	A	A	P			
			29	Steidel, C	A	A	P			
			30	Stevenson, D	A	A	P			
			31	Zmuidzinas, J	A	A	P			
			Ay/Ge 198	2-0-4	Special Topics in the Planetary Sciences	01	Howard, A	M 10:00 - 11:55	219 CHL	
			BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
			Bi/BE/BMB 115	3-2-4	Viruses and Applications to Biological Systems <i>Bi 115 requires at least 50%, and ideally 75%, class participation due to interactive components. Lectures will be recorded and available. Please direct any questions to Prof. Gradinaru at viviana@caltech.edu</i>	01	Bjorkman, P / Gradinaru, V / Van Valen, D	TR 10:30 - 11:55	100 - Rock Auditorium BRD	
			Bi/BMB 189	2-0-4	The Cell Cycle	01	Dunphy, W	R 14:30 - 16:25	152 BRN	

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB/Ch 202C	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 12:00 - 12:55	320 BRN	P
Bi/BE/BMB 222	2-0-4	The Structure of the Cytosol	01	Kennedy, M	M 16:00 - 17:55	B101 BBB	
BMB/Ch 230	2-4-6	Macromolecular Structure Determination with Modern X-ray Crystallography Methods	01	Hoelz, A	W 14:00 - 15:55	101 SCH	G
Bi/BMB 251C	1-0-0	Current Research in Cellular and Molecular Biology	01	Sternberg, P / Hay, B	W 12:00 - 12:55	119 KRK	P
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Deshaies, R	A	A	P
			03	Fraser, S	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			07	Baltimore, D	A	A	P
			08	Campbell, J	A	A	P
			09	Goddard, W	A	A	P
			10	Kennedy, M	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Tirrell, D	A	A	P
			13	Parker, C	A	A	P
			14	Greer, J	A	A	P
			15	Dervan, P	A	A	P
			16	Chan, D	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P
			19	Shan, S	A	A	P
			20	Jensen, G	A	A	P
			21	Elowitz, M	A	A	P
			22	Ismagilov, R	A	A	P
			23	Heath, J	A	A	P
			24	Meyerowitz, E	A	A	P

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

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BIOCHEMISTRY & MOLECULAR BIOPHYSICS							
BMB299	+	Graduate Research	58	Semlow, D	A	A	P
			59	Thomson, M	A	A	P
BIOENGINEERING							
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers <i>maximum enrollment: 20 students</i>	01	Hoy, J	MW 10:30 - 11:55	152 BRN	
BE 098	+	Undergraduate Research in Bioengineering <i>If your research adviser does not appear below, please contact the Office of the Registrar.</i>	01	Arnold, F	A	A	P
			02	Mazmanian, S	A	A	P
			03	Burdick, J	A	A	P
			04	Sternberg, P	A	A	P
			05	Kennedy, M	A	A	P
			06	Gradinaru, V	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Aravin, A	A	A	P
			10	Lester, H	A	A	P
			11	Shimojo, S	A	A	P
			12	Pierce, N	A	A	P
			13	Shapiro, M	A	A	P
			14	Shan, S	A	A	P
			15	Qian, L	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Mayo, S	A	A	P
			22	Chou, T	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Wang, K	A	A	P
			26	Leadbetter, J	A	A	P

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BIOENGINEERING							
BE 098	+	Undergraduate Research in Bioengineering <i>If your research adviser does not appear below, please contact the Office of the Registrar.</i>	27	Winfree, E	A	A	P
			28	Guttman, M	A	A	P
			29	Oka, Y	A	A	P
			30	Kornfield, J	A	A	P
			31	Baltimore, D	A	A	P
			32	Goentoro, L	A	A	P
			33	Hay, B	A	A	P
			34	Beauchamp, J	A	A	P
			35	Bjorkman, P	A	A	P
			36	Adolphs, R	A	A	P
			37	Ismagilov, R	A	A	P
			38	Dickinson, M	A	A	P
			39	Pachter, L	A	A	P
40	Thomson, M	A	A	P			
41	Hong, E	A	A	P			
BE 099C	+	Senior Thesis in Bioengineering	01	Elowitz, M	A	A	G
			02	Murray, R	A	A	G
			03	Gradinaru, V	A	A	G
Bi/BE/BMB 115	3-2-4	Viruses and Applications to Biological Systems <i>Bi 115 requires at least 50%, and ideally 75%, class participation due to interactive components. Lectures will be recorded and available. Please direct any questions to Prof. Gradinaru at viviana@caltech.edu</i>	01	Bjorkman, P / Gradinaru, V / Van Valen, D	TR 10:30 - 11:55	100 - Rock Auditorium BRD	
Ge/Bi/BE/CNS/ESE 14	6-0-0	Challenges and Opportunities in Quantitative Ecology	01	Fischer, W	M 15:00 - 15:55	365 SMD	G
BE 150	3-0-6	Biological Circuit Design <i>taught concurrently with Bi 250b</i>	01	Bois, J / Elowitz, M	MWF 11:00 - 11:55	100 CNRB	
BE 153	3-0-6	Case Studies in Systems Physiology	01	Petrasek, D	TR 14:30 - 15:55	200 BRD	

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BIOENGINEERING							
BE 200	+	Research in Bioengineering	21	Rothmund, P	A	A	P
			22	Greer, J	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Goddard, W	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfree, E	A	A	P
			28	Shapiro, M	A	A	P
			29	Cai, L	A	A	P
			30	Sternberg, P	A	A	P
			31	Kornfield, J	A	A	P
			32	Andersen, R	A	A	P
			33	Qian, L	A	A	P
			34	Hong, E	A	A	P
			35	Mayo, S	A	A	P
			36	Dickinson, M	A	A	P
			37	Pachter, L	A	A	P
			38	Mazmanian, S	A	A	P
			39	Bjorkman, P	A	A	P
			40	Parker, J	A	A	P
			41	Greer, J	A	A	P
			42	Wang, K	A	A	P
			43	Thomson, M	A	A	P
			44	Meyerowitz, E	A	A	P
			45	Chan, D	A	A	P
			46	Newman, D	A	A	P
			47	Rutishauser, U	A	A	P
			48	Clemons, W	A	A	P
			49	Lois, C	A	A	P
			50	Fejes Toth, K	A	A	P
			51	Rothenberg, E	A	A	P
			52	Wold, B	A	A	P

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BIOENGINEERING							
Bi/BE/BMB 222	2-0-4	The Structure of the Cytosol	01	Kennedy, M	M 16:00 - 17:55	B101 BBB	
Bi/BE/CNS/NB 241	1-8-0	Spatial Genomics <i>class cancelled</i>	01	Cai, L	A	A	
Ae/BE 242	3-0-6	Biological Flows: Propulsion	01	Dabiri, J	TR 09:00 - 10:25	133 GUG	P
BIOLOGY							
Bi 001	4-0-5	Principles of Biology - The great theories of biology and their influence in the modern world <i>maximum enrollment: 33 students per section</i>	01	Hay, B / Skutt-Kakaria, K	TR 13:00 - 14:25 M 09:00 - 09:55	BCK AUD 100 CNRB	G
			02	Hay, B / Skutt-Kakaria, K	TR 13:00 - 14:25 M 17:00 - 17:55	BCK AUD 100 CNRB	G
			03	Hay, B / Skutt-Kakaria, K	TR 13:00 - 14:25 T 12:00 - 12:55	BCK AUD 130 CNRB	G
			04	Hay, B / Skutt-Kakaria, K	TR 13:00 - 14:25 T 17:00 - 17:55	BCK AUD 100 CNRB	G
			05	Hay, B / Skutt-Kakaria, K	TR 13:00 - 14:25 T 18:00 - 18:55	BCK AUD 100 CNRB	G
			06	Hay, B / Skutt-Kakaria, K	TR 13:00 - 14:25 W 09:00 - 09:55	BCK AUD 100 CNRB	G
			07	Hay, B / Skutt-Kakaria, K	TR 13:00 - 14:25 W 17:00 - 17:55	BCK AUD 100 CNRB	G
Bi 001X	0-6-3	The Great Ideas of Biology: Exploration through Experimentation <i>open by lottery only, see REGIS home page to enter before 8am February 23rd // maximum enrollment: 24 students // Make-up classes will be on Thursdays from 7-10pm</i>	01	Bois, J	T 19:00 - 21:55 W 13:00 - 15:55	B123 KRK B123 KRK	G
Bi 009	3-0-6	Cell Biology	01	Chan, D / Prober, D / Varshavsky, A	TR 09:00 - 10:25 F 09:00 - 09:55	100 - Rock Auditorium BRD 100 - Rock Auditorium BRD	

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BIOLOGY							
Bi 021	+	Undergraduate Research with Presentation <i>minimum 12 units per term</i>	01	Dunphy, W	A	A	P
			02	Arnold, F	A	A	P
Bi 022	+	Undergraduate Research	01	Shan, S	A	A	P
			02	Bronner Hansen, M	A	A	P
			03	Van Valen, D	A	A	P
			04	Varshavsky, A	A	A	P
			05	Arnold, F	A	A	P
			06	Stathopoulos, A	A	A	P
			07	Zinn, K	A	A	P
			08	Bronner Hansen, M	A	A	P
			09	Mazmanian, S	A	A	P
			11	Newman, D	A	A	P
			12	Chan, D	A	A	P
			13	Leadbetter, J	A	A	P
			14	Tirrell, D	A	A	P
			16	Orphan, V	A	A	P
			17	Fraser, S	A	A	P
			18	Deshaies, R	A	A	P
			19	Kennedy, M	A	A	P
			20	Shimojo, S	A	A	P
			21	Adolphs, R	A	A	P
			22	Lester, H	A	A	P
			23	Prober, D	A	A	P
			24	Gradinaru, V	A	A	P
			25	Allman, J	A	A	P
			26	Wold, B	A	A	P
			27	Peter Lashgari Faghani, I	A	A	P
			28	Meyerowitz, E	A	A	P
			29	Shapiro, M	A	A	P
			30	Hong, E	A	A	P
			31	Rees, D	A	A	P
			32	Aravin, A	A	A	P
			33	Bjorkman, P	A	A	P

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BIOLOGY							
Bi 022	+	Undergraduate Research	34	Ondrus, A	A	A	P
			35	Meister, M	A	A	P
			36	Baltimore, D	A	A	P
			37	Wang, K	A	A	P
			38	Campbell, J	A	A	P
			39	Parker, C	A	A	P
			40	Winfrey, E	A	A	P
			41	Hsiao, E	A	A	P
			42	Andersen, R	A	A	P
			43	Hay, B	A	A	P
			44	Jensen, G	A	A	P
			45	Goddard, W	A	A	P
			46	Elowitz, M	A	A	P
			47	Anderson, D	A	A	P
			48	Stathopoulos, A	A	A	P
			49	Rothenberg, E	A	A	P
			50	Sternberg, P	A	A	P
			51	Cai, L	A	A	P
			55	Sternberg, P	A	A	P
			56	Phillips, R	A	A	P
			57	Clemons, W	A	A	P
			58	Oka, Y	A	A	P
			59	Dickinson, M	A	A	P
			60	Lois, C	A	A	P
			61	Ondrus, A	A	A	P
			62	Pachter, L	A	A	P
			63	Guttman, M	A	A	P
64	Glover, D	A	A	P			
65	Parker, J	A	A	P			
66	Dunphy, W	A	A	P			
67	Chou, T	A	A	P			
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers	01	Hoy, J	MW 10:30 - 11:55	152 BRN	

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BIOLOGY							
Bi/BE 024	3-0-3	Scientific Communication for Biological Scientists and Engineers <i>maximum enrollment: 20 students</i>					
Bi 090C	+	Undergraduate Thesis	01	Kennedy, M / Hong, E	A	A	P
			02	Kennedy, M / Siapas, A	A	A	P
			03	Kennedy, M / Sternberg, P	A	A	P
			05	Kennedy, M / Davis, M	A	A	P
			06	Kennedy, M / Bjorkman, P	A	A	P
			07	Kennedy, M / Aravin, A	A	A	P
			08	Kennedy, M / Doyle, J	A	A	P
			09	Kennedy, M / Newman, D	A	A	P
			10	Kennedy, M / Baltimore, D	A	A	P
			11	Kennedy, M / Rothenberg, E	A	A	P
			12	Wold, B / Kennedy, M	A	A	P
			13	Kennedy, M / Gradinaru, V	A	A	P
			14	Kennedy, M / Newman, D	A	A	P
			15	Kennedy, M / Hsieh-Wilson, L	A	A	P
			16	Lester, H / Kennedy, M	A	A	P
			CNS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society <i>maximum enrollment: 20 students</i>	01	Camerer, C
Bi/BE/BMB 115	3-2-4	Viruses and Applications to Biological Systems <i>Bi 115 requires at least 50%, and ideally 75%, class participation due to interactive components. Lectures will be recorded and available. Please direct any questions to Prof. Gradinaru at viviana@caltech.edu</i>	01	Bjorkman, P / Gradinaru, V / Van Valen, D	TR 10:30 - 11:55	100 - Rock Auditorium BRD	

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BIOLOGY							
Ge/Bi/BE/CNS/ESE 14 6-0-0		Challenges and Opportunities in Quantitative Ecology	01	Fischer, W	M 15:00 - 15:55	365 SMD	G
NB/Bi/CNS 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 14:00 - 14:55	100 CNRB 101 KRK	G
			02	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 11:00 - 11:55	100 CNRB 152 BRN	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 20:00 - 20:55	100 CNRB 101 KRK	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	100 CNRB 101 KRK	G
Bi/CNS 158	3-0-6	Vertebrate Evolution	01	Allman, J	F 14:00 - 15:55	200 BRD	G
Bi 160	3-3-3	Molecular Basis of Animal Evolution <i>Two weeks of fieldwork (weeks 2 and 3) require students to be available 12:00-4.55</i>	01	Parker, J	M 09:00 - 11:55 W 14:00 - 16:55	B101 BBB B126 KRK	
Bi 180	2-2-5	Plant and Soil Science <i>maximum enrollment: 8 students per section</i>	01	Meyerowitz, E	MW 14:00 - 14:55 F 14:00 - 15:25	130 CNRB 347 KRK	
			02	Meyerowitz, E	MW 14:00 - 14:55 F 14:00 - 15:25	130 CNRB 130 CNRB	
CNS/Bi/Ph/CS/NB 187 3-0-6		Neural Computation	01	Meister, M / Rutishauser, U	TR 10:30 - 11:55	B180 BBB	
Bi/BMB 189	2-0-4	The Cell Cycle	01	Dunphy, W	R 14:30 - 16:25	152 BRN	
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation	01	Winfree, E	M 20:00 - 21:55	130 CNRB	
NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	340A CNRB	
Bi/BE/BMB 222	2-0-4	The Structure of the Cytosol	01	Kennedy, M	M 16:00 - 17:55	B101 BBB	

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BIOLOGY							
Bi/BE/CNS/NB 241	1-8-0	Spatial Genomics <i>class cancelled</i>	01	Cai, L	A	A	
Ge/Bi 244	3-0-3	Paleobiology Seminar <i>class cancelled</i>	01	Kirschvink, J	A	A	
Bi 250B	3-0-6	Topics in Systems Biology <i>taught concurrently with BE 150</i>	01	Elowitz, M / Bois, J	MWF 11:00 - 11:55	100 CNRB	
NB/Bi/CNS 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	100 CNRB	
Bi/BMB 251C	1-0-0	Current Research in Cellular and Molecular Biology	01	Sternberg, P / Hay, B	W 12:00 - 12:55	119 KRK	P
Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i>	01	Mobbs, D	W 10:00 - 12:55	228 BAX	
Bi 299	+	Graduate Research	01	Stathopoulos, A	A	A	P
			02	Baltimore, D	A	A	P
			03	Allman, J	A	A	P
			04	Andersen, R	A	A	P
			05	Anderson, D	A	A	P
			06	Mazmanian, S	A	A	P
			07	Clemons, W	A	A	P
			08	Elowitz, M	A	A	P
			09	Thomson, M	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Campbell, J	A	A	P
			13	Chan, D	A	A	P
			14	Chong, S	A	A	P
			15	Deshaies, R	A	A	P
			16	Dickinson, M	A	A	P
			17	O'Doherty, J	A	A	P
			18	Dunphy, W	A	A	P
			19	Fraser, S	A	A	P

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

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BIOLOGY							
Bi 299	+	Graduate Research	53	Siapas, A	A	A	P
			54	Gharib, M	A	A	P
			55	Hsieh-Wilson, L	A	A	P
			56	Aravin, A	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Tai, Y	A	A	P
			59	Murray, R	A	A	P
			60	Meister, M	A	A	P
			61	Arnold, F	A	A	P
			62	Gradinaru, V	A	A	P
			63	Scherer, A	A	A	P
			64	Guttman, M	A	A	P
			65	Goentoro, L	A	A	P
			66	Guttman, M	A	A	P
			67	Oka, Y	A	A	P
			68	Hsiao, E	A	A	P
			69	Ismagilov, R	A	A	P
			70	Hong, E	A	A	P
			71	Phillips, R	A	A	P
			72	Roukes, M	A	A	P
			73	Doyle, J	A	A	P
74	Pachter, L	A	A	P			
75	Parker, J	A	A	P			
76	Voorhees, R	A	A	P			
77	Van Valen, D	A	A	P			
78	Wang, K	A	A	P			
79	de Kleer, K	A	A	P			
80	Zernicka-Goetz, M	A	A	P			
BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P

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BUSINESS, ECONOMICS, AND MANAGEMENT							
BEM101	+	Selected Topics in Business Economics and Management: Economics of Sustainable Development	01	Singh, J	TR 14:30 - 15:55	228 BCK	G
BEM104	3-0-6	Investments	01	Roll, R	TR 13:00 - 14:25	B125 BAX	
BEM107	3-0-6	Corporate Finance	01	Ewens, M	TR 10:30 - 11:55	128 BAX	G
BEM117	3-0-6	Behavioral Finance	01	Jin, J	MW 13:00 - 14:25	B125 BAX	G
CHEMICAL ENGINEERING							
Ch/ChE 009	1-6-2	Chemical Synthesis and Characterization for Chemical Engineering <i>open by lottery only, see REGIS home page to enter before 8am February 23rd // Ch and ChE students have priority // Maximum enrollment: 10 students in section 1, 4 students in section 2</i>	01	Mendez, J	F 11:00 - 11:55 TR 08:00 - 10:55	Patio GCL 130 CHR	
			02	Mendez, J	F 11:00 - 11:55 TR 13:00 - 15:55	Patio GCL 130 CHR	
ChE063B	3-0-6	Chemical Engineering Thermodynamics	01	Ismagilov, R	TR 13:00 - 14:25	106 SPL	
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			03	Davis, M	A	A	P
			04	Giapis, K	A	A	P
			05	Lewis, N	A	A	P
			06	Haile, S	A	A	P
			07	Shapiro, M	A	A	P
			08	Brady, J	A	A	P
			09	Atwater, H	A	A	P
			10	Goddard, W	A	A	P
			11	Faber, K	A	A	P
			12	Heath, J	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P

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CHEMICAL ENGINEERING							
ChE080	+	Undergraduate Research	15	Hoelz, A	A	A	P
			16	Greer, J	A	A	P
			20	Kornfield, J	A	A	P
			21	Agapie, T	A	A	P
			34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			37	Ismagilov, R	A	A	P
			38	Daraio, C	A	A	P
ChE090B	0-4-5	Senior Thesis	01	Dickinson, M	A	A	
			02	Giapis, K	A	A	
			03	Seinfeld, J	A	A	
			04	Tirrell, D	A	A	
			06	Flagan, R	A	A	
			07	Gavalas, G	A	A	
			08	Davis, M	A	A	
			09	Haile, S	A	A	
			10	Arnold, F	A	A	
			11	Brady, J	A	A	
			12	Kornfield, J	A	A	
			13	Greer, J	A	A	
			14	Lewis, N	A	A	
			16	Mayo, S	A	A	
17	Fu, G	A	A				
18	Wang, Z	A	A				
19	Cai, L	A	A				
20	Atwater, H	A	A				
21	Ismagilov, R	A	A				
22	Cai, L / Arnold, F	A	A				
ChE090C	+	Senior Thesis	01	Giapis, K	A	A	P
			02	Tirrell, D	A	A	P
			03	Kornfield, J	A	A	P
			04	Cai, L / Arnold, F	A	A	P
			05	Lewis, N	A	A	P

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CHEMICAL ENGINEERING							
ChE090C	+	Senior Thesis	06	Flagan, R	A	A	P
			07	Mayo, S	A	A	P
			08	Ismagilov, R	A	A	P
			09	Seinfeld, J	A	A	P
			10	Wang, Z	A	A	P
			11	Greer, J	A	A	P
			12	Atwater, H	A	A	P
			13	Clemons, W	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Weitekamp, D	M 14:00 - 15:55	101 SCH	G
ChE103C	3-0-6	Transport Phenomena	01	Manthiram, K	MW 09:30 - 10:55	B122 GCL	
ChE105	3-0-6	Dynamics and Control of Chemical Systems <i>Maximum enrollment: 50 students due to capacity limits // taught concurrently with CDS110</i>	01	Seinfeld, J	MWF 13:00 - 13:55	106 SPL	G
ChE120	0-6-3	Optimal Design of Chemical Systems <i>If unable to register, please contact instructor.</i>	01	Vicic, M	OM,T 12:00 - 12:55	122 SPL	
ChE130	0-6-3	Biomolecular Engineering Laboratory <i>Maximum enrollment: 14 students // If unable to register, please contact instructor.</i>	01	Vicic, M	MF 13:00 - 15:55 W 15:00 - 15:55	B126 KRK B136 KRK	
Ch/ChE 140B	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis, N	TR 13:00 - 14:25	115 BCK	
ChE141	2-1-6	Data Science for Chemical Systems	01	Vicic, M	TR 10:30 - 11:55	102 SPL	
ChE151B	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 09:00 - 09:55	106 SPL	G
ESE/ChE 158	3-0-6	Aerosol Physics and Chemistry	01	Flagan, R / Seinfeld, J	TR 10:30 - 11:55	106 SPL	

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Murray, R	A	A	P
			03	Atwater, H	A	A	P
			04	Mayo, S	A	A	P
			05	Pierce, N	A	A	P
			06	Troian, S	A	A	P
			07	Brady, J	A	A	P
			08	Stoltz, B	A	A	P
			09	Ismagilov, R	A	A	P
			10	Davis, M	A	A	P
			11	Greer, J	A	A	P
			12	Dougherty, D	A	A	P
			13	Flagan, R	A	A	P
			14	Fraser, S	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	Fultz, B	A	A	P
			19	Snyder, G	A	A	P
			20	Guttman, M	A	A	P
			21	Kornfield, J	A	A	P
			22	Miller, T	A	A	P
			23	Lewis, N	A	A	P
			24	Shapiro, M	A	A	P
			25	Elowitz, M	A	A	P
			26	Hoffmann, M	A	A	P
			27	See, K	A	A	P
			28	Robb, M	A	A	P
			29	Parker, C	A	A	P
			30	Wei, L	A	A	P
			31	Chan, G	A	A	P
			32	Pachter, L	A	A	P
			33	Wang, K	A	A	P

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CHEMICAL ENGINEERING							
ChE280	+	Chemical Engineering Research	34	Hadt, R	A	A	P
			36	Tirrell, D	A	A	P
			37	Wang, Z	A	A	P
			40	Seinfeld, J	A	A	P
			41	Yung, Y	A	A	P
			42	Heath, J	A	A	P
CHEMISTRY							
Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>open by lottery only, see REGIS home page to enter before 8am February 23rd // Ch and ChE students have priority // Maximum enrollment: 10 students</i>	01	Mendez, J	F 13:00 - 13:55 T 19:00 - 21:55	Patio GCL 130 CHR	P
Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Max enroll: 22 students per sec // Students entering 2020 and before must take Ch 3 in their first 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 09:00 - 09:55 T 08:00 - 10:55	B122 GCL B157 CRL	P
			02	Mendez, J	F 09:00 - 09:55 T 13:00 - 15:55	B122 GCL B157 CRL	P
			03	Mendez, J	F 09:00 - 09:55 W 13:00 - 15:55	B122 GCL B157 CRL	P
			04	Mendez, J	F 09:00 - 09:55 R 08:00 - 10:55	B122 GCL B157 CRL	P
Ch 004B	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>open by lottery only, see REGIS home page to enter before 8am February 23rd // Ch and ChE students have priority // Maximum enrollment: 6 students</i>	01	Mendez, J	F 15:00 - 15:55 TR 13:00 - 15:55	Patio GCL 130 CHR	
Ch 006A	1-5-3	Physical and Biophysical Chemistry Laboratory <i>Students are expected to attend one lab a week (4 hours sequential) tbd. Ch 21b is required.</i>	01	Beauchamp, J	A OM,M 11:00 - 11:55	A 151 CRL	
Ch 007	1-6-2	Advanced Experimental Methods in Bioorganic Chemistry	01	Hsieh-Wilson, L	M 13:00 - 13:55 M 14:00 - 16:55	151 CRL 130 CHR	

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CHEMISTRY							
Ch 007	1-6-2	Advanced Experimental Methods in Bioorganic Chemistry <i>Students only need attend two lab sections per week.</i>	01	Hsieh-Wilson, L	WF 13:00 - 15:55	130 CHR	
Ch/ChE 009	1-6-2	Chemical Synthesis and Characterization for Chemical Engineering <i>open by lottery only, see REGIS home page to enter before 8am February 23rd // Ch and ChE students have priority // Maximum enrollment: 10 students in section 1, 4 students in section 2</i>	01	Mendez, J	F 11:00 - 11:55 TR 08:00 - 10:55	Patio GCL 130 CHR	
			02	Mendez, J	F 11:00 - 11:55 TR 13:00 - 15:55	Patio GCL 130 CHR	
Ch 010C	1-4-1	Frontiers in Chemistry <i>Must have instructor's permission prior to registering for course // open to freshmen and sophomores only</i>	01	Hoelz, A	R 12:00 - 12:55	147 NYS	P
Ch 015	0-6-4	Chemical Equilibrium and Analysis Laboratory	01	Dalleska, N	MW 09:00 - 11:55	130 CHR	
Ch 021C	3-0-6	Physical Chemistry	01	Beauchamp, J	MWF 13:00 - 13:55	147 NYS	G
Ch 041C	4-0-5	Organic Chemistry	01	Reisman, S	MWF 09:00 - 09:55 W 20:00 - 20:55	153 NYS 151 CRL	
			02	Reisman, S	MWF 09:00 - 09:55 R 15:00 - 15:55	153 NYS 151 CRL	
			03	Reisman, S	MWF 09:00 - 09:55 R 20:00 - 20:55	153 NYS 151 CRL	
Ch 080	+	Chemical Research	01	Arnold, F	A	A	P
			02	Dervan, P	A	A	P
			03	Hsieh-Wilson, L	A	A	P
			04	Beauchamp, J	A	A	P
			05	Chan, G	A	A	P
			06	Clemons, W	A	A	P
			07	Reisman, S	A	A	P
			08	Campbell, J	A	A	P

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CHEMISTRY							
Ch 080	+	Chemical Research	09	Shan, S	A	A	P
			10	Rees, D	A	A	P
			11	Heath, J	A	A	P
			12	Agapie, T	A	A	P
			13	Davis, M	A	A	P
			14	Asimow, P	A	A	P
			15	Dougherty, D	A	A	P
			16	Goddard, W	A	A	P
			17	Gray, H	A	A	P
			18	Shapiro, M	A	A	P
			19	Shapiro, M	A	A	P
			20	Kornfield, J	A	A	P
			21	Yue, Y	A	A	P
			22	Fu, G	A	A	P
			23	Rossman, G	A	A	P
			24	Katz, N	A	A	P
			25	Virgil, S	A	A	P
			26	Gao, W	A	A	P
			27	Okumura, M	A	A	P
			28	See, K	A	A	P
			29	Peters, J	A	A	P
			30	Blake, G	A	A	P
			31	Ondrus, A	A	A	P
			32	Wei, L	A	A	P
			33	Hoffmann, M	A	A	P
			34	Greer, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			38	Lewis, N	A	A	P
			39	Barton, J	A	A	P
			40	Hoelz, A	A	A	P
			41	Eiler, J	A	A	P
			42	Rossman, G	A	A	P

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CHEMISTRY							
Ch 080	+	Chemical Research	43	Blake, G	A	A	P
			44	Cushing, S	A	A	P
			45	Miller, T	A	A	P
			46	Robb, M	A	A	P
			47	Hadt, R	A	A	P
Ch 081	+	Independent Reading in Chemistry	01	Stoltz, B	A	A	P
			02	Lewis, N	A	A	P
			03	Chandy, K	A	A	P
			04	Peters, J	A	A	P
			05	Adolphs, R	A	A	P
			06	Agapie, T	A	A	P
			17	Gray, H	A	A	P
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	01	Rees, D / Okumura, M	A	A	P
			02	Hoelz, A / Okumura, M	A	A	P
			04	Gray, H / Okumura, M	A	A	P
			05	Agapie, T / Okumura, M	A	A	P
			06	Peters, J / Okumura, M	A	A	P
			07	Stoltz, B / Okumura, M	A	A	P
			08	Tirrell, D / Okumura, M	A	A	P
			09	Okumura, M / Asimow, P	A	A	P
			10	Okumura, M / Reisman, S	A	A	P
			11	Rossmann, G / Okumura, M	A	A	P
			12	Dougherty, D / Okumura, M	A	A	P
			13	Goddard, W / Okumura, M	A	A	P
			14	Hsieh-Wilson, L / Okumura, M	A	A	P
			15	Wei, L / Okumura, M	A	A	P
			16	Chan, G / Okumura, M	A	A	P
			17	Arnold, F / Okumura, M	A	A	P

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CHEMISTRY							
Ch 082	+	Senior Thesis Research <i>9 units per term</i>	18	Hadt, R / Okumura, M	A	A	P
			19	Okumura, M	A	A	P
			20	Ondrus, A / Goddard, W / Okumura, M	A	A	P
			21	Okumura, M / Clemons, W	A	A	P
			22	Reisman, S / Okumura, M	A	A	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Weitekamp, D	M 14:00 - 15:55	101 SCH	G
Ch 101	1-0-2	Chemistry Tutorials <i>Sec 1: From the Electron to Natural Products: Understanding physical organic chemistry and its application to organic reactivity // Sec 2 cancelled</i>	01	Stoltz, B / See, K	F 15:00 - 15:55	101 SCH	
			02	Basdogan, Y / Mantha, S	A	A	
Ch 102	4-0-5	Introduction to Inorganic Chemistry	01	See, K / Hadt, R	TR 10:30 - 11:55	151 CRL	
Ch 120B	1-1-7	Nature of the Chemical Bond	01	Goddard, W	W 15:00 - 15:55	115 BCK	
Ch 121A	3-0-6	Atomic-Level Simulations of Materials and Molecules	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch/ChE 140B	3-0-6	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis, N	TR 13:00 - 14:25	115 BCK	
Ch 143	3-0-6	NMR Spectroscopy for Structural Identification	01	Virgil, S	MWF 11:00 - 11:55	147 NYS	
Ch 153C	3-0-6	Advanced Inorganic Chemistry	01	Hadt, R	F 10:00 - 11:55	151 CRL	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	153 NYS	
ESE/Ch 177	3-0-6	Environmental Physical Organic Chemistry Part II	01	Hoffmann, M	MWF 10:00 - 10:55	135 LLB	

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CHEMISTRY							
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
BMB/Ch 202C	1-0-0	Biochemistry Seminar Course	01	Clemons, W	R 12:00 - 12:55	320 BRN	P
Ch 213C	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	134 (Auditorium) BCK	G
Ch 226	3-0-6	Optical and Nonlinear Spectroscopy	01	Blake, G / Cushing, S	TR 13:00 - 14:25	101 SCH	
BMB/Ch 230	2-4-6	Macromolecular Structure Determination with Modern X-ray Crystallography Methods	01	Hoelz, A	W 14:00 - 15:55	101 SCH	G
Ch 250	3-0-0	Advanced Topics in Chemistry <i>class cancelled</i>	01	Staff	A	A	P
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
			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

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CHEMISTRY							
Ch 279	+	Rotations in Chemistry	20	Greer, J	A	A	P
			22	Hadt, R	A	A	P
			23	Haile, S	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
			28	Jensen, G	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
			33	Miller, T	A	A	P
			34	Newman, D	A	A	P
			35	Okumura, M	A	A	P
			36	Ondrus, A	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
			52	Weitekamp, D	A	A	P
			53	Wennberg, P	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	01	Arnold, F	A	A	P
			02	Agapie, T	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	Shan, S	A	A	P
			08	Bjorkman, P	A	A	P
			09	Cai, L	A	A	P
			10	Davis, M	A	A	P
			11	Dervan, P	A	A	P
			12	Dougherty, D	A	A	P
			13	Eiler, J	A	A	P
			14	Chong, S	A	A	P
			15	Giapis, K	A	A	P
			16	Goddard, W	A	A	P
			17	Gray, H	A	A	P
			18	Manthiram, K	A	A	P
			19	Hsieh-Wilson, L	A	A	P
			20	Kornfield, J	A	A	P
			21	Reisman, S	A	A	P
			22	Lewis, N	A	A	P
			23	Wang, Z	A	A	P
			24	Marcus, R	A	A	P
			25	Mayo, S	A	A	P
			26	Goentoro, L	A	A	P
			27	Okumura, M	A	A	P
			28	Clemons, W	A	A	P
			29	Peters, J	A	A	P
			30	Rees, D	A	A	P
			31	Ismagilov, R	A	A	P
			32	Hoelz, A	A	A	P
			33	Haile, S	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	34	Seinfeld, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Fu, G	A	A	P
			38	Weitekamp, D	A	A	P
			39	Chan, G	A	A	P
			40	Robb, M	A	A	P
			41	Atwater, H	A	A	P
			42	Pierce, N	A	A	P
			43	Hoffmann, M	A	A	P
			44	Heath, J	A	A	P
			45	Sternberg, P	A	A	P
			46	Adkins, J	A	A	P
			47	Lester, H	A	A	P
			48	Wennberg, P	A	A	P
			49	Campbell, J	A	A	P
			50	Hoffmann, M	A	A	P
			51	Wei, L	A	A	P
			52	Tirrell, D	A	A	P
			53	Deshaies, R	A	A	P
			54	Shapiro, M	A	A	P
			55	Jensen, G	A	A	P
			56	Newman, D	A	A	P
			57	Greer, J	A	A	P
			58	Blanquart, G	A	A	P
			59	Ondrus, A	A	A	P
			60	Yeh, N	A	A	P
			61	Asimow, P	A	A	P
			62	Elowitz, M	A	A	P
			63	See, K	A	A	P
			64	Tai, Y	A	A	P
			65	Cushing, S	A	A	P
			66	Hadt, R	A	A	P

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CHEMISTRY							
Ch 280	+	Chemical Research	67	Parker, J	A	A	P
			68	Voorhees, R	A	A	P
			69	Van Valen, D	A	A	P
			70	Faber, K	A	A	P
			71	Semlow, D	A	A	P
			72	Bernardi, M	A	A	P
			73	Nelson, H	A	A	P
			74	Anandkumar, A	A	A	P
CIVIL ENGINEERING							
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Muthiramalil Ravindran, S	MWF 09:00 - 09:55	135 GTL	G
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
CE 200	+	Advanced Work in Civil Engineering	01	Staff	A	A	P
AM/CE/ME 252	2-1-6	Linear and Nonlinear Waves in Structured Media <i>class cancelled</i>	01	Daraio, C	A	A	
CE 300	+	Research in Civil Engineering	01	Pellegrino, S	A	A	P
			04	Andrade, J	A	A	P
			05	Lapusta, N	A	A	P
			06	Asimaki, D	A	A	P
			07	Daraio, C	A	A	P
			08	Fu, X	A	A	P
			COMPUTATION & NEURAL SYS				
CNS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society <i>maximum enrollment: 20 students</i>	01	Camerer, C	TR 13:00 - 14:25	B119 BAX	

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COMPUTATION & NEURAL SYS							
Ge/Bi/BE/CNS/ESE 14 6-0-0		Challenges and Opportunities in Quantitative Ecology	01	Fischer, W	M 15:00 - 15:55	365 SMD	G
EE/CNS/CS 148	3-0-9	Selected Topics in Computational Vision	01	Perona, P	TR 10:30 - 11:55	130 CNRB	
NB/Bi/CNS 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 14:00 - 14:55	100 CNRB 101 KRK	G
			02	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 11:00 - 11:55	100 CNRB 152 BRN	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 20:00 - 20:55	100 CNRB 101 KRK	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	100 CNRB 101 KRK	G
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	B270 MRE	
Bi/CNS 158	3-0-6	Vertebrate Evolution	01	Allman, J	F 14:00 - 15:55	200 BRD	G
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CNS180	+	Research in Computation and Neural Systems	01	Anandkumar, A	A	A	P
			02	Anderson, D	A	A	P
			03	Pierce, N	A	A	P
			04	Andersen, R	A	A	P
			05	Burdick, J	A	A	P
			06	O'Doherty, J	A	A	P
			07	Tsao, D	A	A	P
			08	Lester, H	A	A	P
			09	Dickinson, M	A	A	P
			10	Elowitz, M	A	A	P
			11	Rutishauser, U	A	A	P
			12	Murray, R	A	A	P
			13	Rutishauser, U	A	A	P

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COMPUTATION & NEURAL SYS							
CNS180	+	Research in Computation and Neural Systems	14	Quartz, S	A	A	P
			15	Perona, P	A	A	P
			16	Allman, J	A	A	P
			17	Murray, R	A	A	P
			18	Shimojo, S	A	A	P
			19	Siapas, A	A	A	P
			20	Shapiro, M	A	A	P
			21	Winfree, E	A	A	P
			22	Wold, B	A	A	P
			23	Kennedy, M	A	A	P
			24	Adolphs, R	A	A	P
			25	Camerer, C	A	A	P
			26	Rangel, A	A	A	P
			27	Thomson, M	A	A	P
			28	Gradinaru, V	A	A	P
			29	Prober, D	A	A	P
			30	Yue, Y	A	A	P
			31	Meister, M	A	A	P
			32	Hong, E	A	A	P
			33	Ames, A	A	A	P
34	Pachter, L	A	A	P			
35	Van Valen, D	A	A	P			
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Meister, M / Rutishauser, U	TR 10:30 - 11:55	B180 BBB	
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation	01	Winfree, E	M 20:00 - 21:55	130 CNRB	
NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	340A CNRB	
Bi/BE/CNS/NB 241	1-8-0	Spatial Genomics <i>class cancelled</i>	01	Cai, L	A	A	

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COMPUTATION & NEURAL SYS							
NB/Bi/CNS 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	100 CNRB	
Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i>	01	Mobbs, D	W 10:00 - 12:55	228 BAX	
CNS280	+	Research in Computation and Neural Systems	01	Abu-Mostafa, Y	A	A	P
			02	Elowitz, M	A	A	P
			03	Burdick, J	A	A	P
			04	Andersen, R	A	A	P
			05	Bruck, J	A	A	P
			06	Hoffmann, M	A	A	P
			07	Tsao, D	A	A	P
			08	Murray, R	A	A	P
			09	Meister, M	A	A	P
			10	Hong, E	A	A	P
			11	Camerer, C	A	A	P
			12	Perona, P	A	A	P
			13	Adolphs, R	A	A	P
			14	Scherer, A	A	A	P
			15	Shimojo, S	A	A	P
			16	Siapas, A	A	A	P
			17	Sternberg, P	A	A	P
			18	Wold, B	A	A	P
			19	Winfrey, E	A	A	P
			20	Lester, H	A	A	P
			21	Dickinson, M	A	A	P
			22	Quartz, S	A	A	P
			23	O'Doherty, J	A	A	P
			24	Allman, J	A	A	P
			25	Oka, Y	A	A	P
			26	Rangel, A	A	A	P
			27	Gradinaru, V	A	A	P
			28	Lois, C	A	A	P

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COMPUTATION & NEURAL SYS							
CNS280	+	Research in Computation and Neural Systems	29	Thomson, M	A	A	P
			30	Mobbs, D	A	A	P
			31	Rutishauser, U	A	A	P
COMPUTER SCIENCE							
CS 003	2-6-1	Introduction to Software Design	01	Blank, A	M 13:00 - 13:55	134 (Auditorium) BCK	G
Ma/CS 006C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma 106c</i>	01	Kechris, A	TR 13:00 - 14:25	Annex SLN	
EE/CS 010B	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 15:00 - 15:55	B280 MRE	
CS 012	0-0-0	Student-Taught Topics in Computing <i>1: TensorFlow // 3: Issues in Modern Computing: Algorithmic Justice and Societal Impacts // 4: Intro to Quantum Computation and Quantum Algorithms // 5: Quantum Computation & Quantum Algorithms Problem Solving // 6: cancelled</i>	01	Blank, A	OM,M 19:00 - 19:55	105 ANB	P
			03	Ralph, C	OM,T 19:00 - 19:55	104 ANB	P
			04	Ralph, C	OM,M 20:00 - 20:55	104 ANB	P
			05	Ralph, C	OM,M 20:00 - 20:55	104 ANB	P
			06	Blank, A	A	A	P
			06	Blank, A	A	A	P
CS 038	3-0-6	Algorithms	01	Schroeder, P	TR 10:30 - 11:55	119 KRK	
CS 042	2-2-2	Computer Science Education in K-14 Settings	01	Wierman, A / Ralph, C	F 12:00 - 14:55	106 ANB	P
CS 080C	+	Undergraduate Thesis	01	Schroeder, P	A	A	P
			02	Murray, R	A	A	P
			03	Winfree, E	A	A	P
			04	Barr, A	A	A	P
			05	Katz, N	A	A	P
			06	Perona, P	A	A	P
			07	Yue, Y	A	A	P
			08	Bruck, J	A	A	P
			09	Desbrun, M	A	A	P

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COMPUTER SCIENCE							
CS 080C	+	Undergraduate Thesis	10	Schulman, L	A	A	P
			11	Umans, C	A	A	P
			12	Bouman, K	A	A	P
			13	Wierman, A	A	A	P
			14	Chung, S	A	A	P
			15	Adolphs, R	A	A	P
CS 081C	+	Undergraduate Projects in Computer Science	01	Schulman, L	A	A	P
			02	Barr, A	A	A	P
			03	Chandy, K	A	A	P
			04	Desbrun, M	A	A	P
			05	Perona, P	A	A	P
			06	Low, S	A	A	P
			07	Vanier, M	A	A	P
			08	Murray, R	A	A	P
			09	Winfree, E	A	A	P
			10	Wierman, A	A	A	P
			11	Umans, C	A	A	P
			12	Adolphs, R	A	A	P
			13	Pinkston, D	A	A	P
			14	Burdick, J	A	A	P
			15	Plott, C	A	A	P
			16	Mahabal, A	A	A	P
			17	Yue, Y	A	A	P
			18	George, G	A	A	P
			19	Abu-Mostafa, Y	A	A	P
			20	Schroeder, P	A	A	P
			21	Djorgovski, S	A	A	P
			22	Stalzer, M	A	A	P
			23	Vidick, T	A	A	P
			24	Hajimiri, S	A	A	P
			25	Ralph, C	A	A	P
			26	Rangel, A	A	A	P
			27	Alvarez, R	A	A	P

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COMPUTER SCIENCE							
CS 081C	+	Undergraduate Projects in Computer Science	28	Bunn, J	A	A	P
			29	Thomson, M	A	A	P
			30	Chung, S	A	A	P
			31	Lombeyda, S	A	A	P
			32	Blank, A	A	A	P
			33	Anandkumar, A	A	A	P
			34	Van Valen, D	A	A	P
			35	Tamuz, O	A	A	P
			36	Bouman, K	A	A	P
			37	Pachter, L	A	A	P
			38	Sternberg, P	A	A	P
			39	Qian, L	A	A	P
			40	Ames, A	A	A	P
41	Emami, A	A	A	P			
CS 090	+	Undergraduate Reading in Computer Science	01	Winfree, E	A	A	P
			02	Barr, A	A	A	P
			03	Low, S	A	A	P
			04	Umans, C	A	A	P
			05	Bruck, J	A	A	P
			06	Pinkston, D	A	A	P
			07	Desbrun, M	A	A	P
			08	Arnold, F	A	A	P
			09	Schulman, L	A	A	P
			10	Perona, P	A	A	P
			11	Schroeder, P	A	A	P
			12	Wierman, A	A	A	P
			13	Yue, Y	A	A	P
14	Abu-Mostafa, Y	A	A	P			
15	Vidick, T	A	A	P			
16	Anandkumar, A	A	A	P			
18	Ralph, C	A	A	P			
19	Anderson, D	A	A	P			
20	Chung, S	A	A	P			

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COMPUTER SCIENCE							
CS 090	+	Undergraduate Reading in Computer Science	21	Bronner Hansen, M	A	A	P
CS 101	0-0-0	Special Topics in Computer Science: Topics in theoretical computer science and quantum computing	01	Mahadev, U	F 13:00 - 15:55	213 ANB	P
CS 102C	+	Seminar in Computer Science	01	Staff	A	A	
CS 103C	+	Reading in Computer Science	01	Staff	A	A	P
Ma/CS 106C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 006c</i>	01	Kechris, A	TR 13:00 - 14:25	Annex SLN	
CS 115	3-4-2	Functional Programming	01	Vanier, M	MWF 14:00 - 14:55	105 ANB	
CS 124	3-6-3	Operating Systems	01	Pinkston, D	MWF 13:00 - 13:55	105 ANB	
EE/CS/MedE 125	3-6-0	Digital Electronics and Design with FPGAs and VHDL	01	Pedroni, V	OM,T 16:00 - 16:55	REMOTE	
EE/Ma/CS/IDS 127	3-0-6	Error-Correcting Codes	01	Kostina, V	MW 13:00 - 14:25	B280 MRE	
ME/CS/EE 129	1-7-1	Experimental Robotics	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
CS 131	3-0-6	Programming Languages <i>maximum enrollment: 30 students // CS 4 (in OCaml) is a hard prerequisite (i.e. CS 4 starting in Winter 2016) // CS majors get top priority</i>	01	Vanier, M	MWF 15:00 - 15:55	104 ANB	
CS 132	3-0-6	Web Development	01	Hovik, M	TR 10:30 - 11:55	105 ANB	
CS 137	0-3-9	Algorithms in the Real World	01	Blank, A	OM,M 20:00 - 20:55	105 ANB	G

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COMPUTER SCIENCE							
CS 138	3-0-6	Computer Algorithms	01	Schroeder, P	TR 10:30 - 11:55	119 KRK	
CS/EE 145	0-0-9	Projects in Networking	01	Wierman, A	OM,M 10:00 - 10:55	105 ANB	
EE/CNS/CS 148	3-0-9	Selected Topics in Computational Vision	01	Perona, P	TR 10:30 - 11:55	130 CNRB	
CS/Ec 149	3-0-6	Algorithmic Economics	01	Sandomirskii, F	MW 10:30 - 11:55	104 ANB	
CS/IDS 153	3-0-6	Current Topics in Theoretical Computer Science <i>Sec 1: Algebraic complexity and matrix multiplication // Sec 2: Markov Chain Monte Carlo</i>	01	Umans, C	TR 13:00 - 14:25	213 ANB	
			02	Schulman, L	TR 10:30 - 11:55	213 ANB	
					OM,T 10:30 - 11:55	213 ANB	
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	B270 MRE	
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	Lecture Hall BAX	
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CS/IDS 162	3-0-6	Data, Algorithms and Society <i>class cancelled</i>	01	Ralph, C	A	A	
CS 163	3-0-3	Making Data Visual <i>taught concurrently with VC 53 // maximum enrollment: 14 students between VC 53 and CS 163</i>	01	Slavick, E	W 19:00 - 21:55	128 BAX	
CS/EE/IDS 166	3-3-6	Computational Cameras	01	Bouman, K	TR 13:00 - 14:25	104 ANB	
ME/CS/EE 169	1-7-1	Mobile Robots	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	

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COMPUTER SCIENCE							
EE/CS/MedE 175	3-6-0	Digital Circuits Analysis and Design with Complete VHDL and RTL Approach <i>class cancelled</i>	01	Pedroni, V	A	A	
CS 179	3-3-3	GPU Programming	01	Barr, A	MWF 15:00 - 15:55	105 ANB	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa, Y	A	A	P
			02	Desbrun, M	A	A	P
			03	Chandy, K	A	A	P
			04	Wierman, A	A	A	P
			05	Perona, P	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Kitaev, A	A	A	P
			11	Schroeder, P	A	A	P
			13	Winfree, E	A	A	P
			14	Umans, C	A	A	P
			15	Wold, B	A	A	P
			16	Siapas, A	A	A	P
			17	Ligett, K	A	A	P
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Meister, M / Rutishauser, U	TR 10:30 - 11:55	B180 BBB	
BE/CS/CNS/Bi 191B	2-4-3	Biomolecular Computation	01	Winfree, E	M 20:00 - 21:55	130 CNRB	
BE/CS 196B	2-4-3	Design and Construction of Programmable Molecular Systems <i>instructor permission required</i>	01	Qian, L	T 16:00 - 17:55 R 16:00 - 18:55	125 STL 108 KCK	
Ph/CS 219C	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	269 LAU	P
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Barr, A	A	A	P
			03	Cvitanic, J	A	A	P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
COMPUTER SCIENCE										
CS 280	+	Research in Computer Science	04	Umans, C	A	A	P			
			05	Desbrun, M	A	A	P			
			06	Winfree, E	A	A	P			
			07	Low, S	A	A	P			
			08	Martin, A	A	A	P			
			09	Chandy, K	A	A	P			
			10	Perona, P	A	A	P			
			11	Schroeder, P	A	A	P			
			12	Ligett, K	A	A	P			
			13	Kitaev, A	A	A	P			
			14	Wierman, A	A	A	P			
			15	Winfree, E	A	A	P			
			16	Doyle, J	A	A	P			
			17	Vidick, T	A	A	P			
			18	Yue, Y	A	A	P			
			CS 287	+	Center for the Mathematics of Information Seminar	01	Staff	T 16:00 - 16:55	A	P
			COMPUTING AND MATHEMATICAL SCIENCES							
			CMS290C	1-0-0	Computing and Mathematical Sciences Colloquium	01	Hou, Y	M 16:00 - 16:55	105 ANB	P
CMS300	+	Research in Computing and Mathematical Sciences	01	Wierman, A	A	A	P			
			02	Vidick, T	A	A	P			
			03	Beck, J	A	A	P			
			04	Burdick, J	A	A	P			
			05	Doyle, J	A	A	P			
			06	Murray, R	A	A	P			
			07	Owhadi, H	A	A	P			
			08	Barr, A	A	A	P			
			09	Chandrasekaran, V	A	A	P			
			10	Desbrun, M	A	A	P			
			11	Low, S	A	A	P			

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COMPUTING AND MATHEMATICAL SCIENCES							
CMS300	+	Research in Computing and Mathematical Sciences	12	Perona, P	A	A	P
			13	Schroeder, P	A	A	P
			14	Schulman, L	A	A	P
			15	Umans, C	A	A	P
			16	Winfrey, E	A	A	P
			17	Yue, Y	A	A	P
			18	Pachter, L	A	A	P
			19	Anandkumar, A	A	A	P
			20	Thomson, M	A	A	P
			21	Stuart, A	A	A	P
			22	Van Valen, D	A	A	P
			23	Bouman, K	A	A	P
			24	Bruck, J	A	A	P
			CONTROL & DYNAMICAL SYSTEMS				
CDS090C	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Murray, R	A	A	G
CDS110	3-3-3	Introduction to Feedback Control Systems <i>Maximum enrollment: 50 students due to capacity limits // taught concurrently with ChE105</i>	01	Seinfeld, J	MWF 13:00 - 13:55	106 SPL	G
CDS141	3-2-4	Network Control Systems	01	Doyle, J	TR 13:00 - 14:25	105 ANB	P
CDS190	+	Independent Work in Control and Dynamical Systems	01	Staff	A	A	P
CDS233	3-0-6	Nonlinear Control	01	Niemeyer, G	TR 14:30 - 15:55	104 ANB	
ME/CDS/EE 234B	3-3-3	Advanced Robotics	01	Burdick, J	WR 16:00 - 16:55 F 14:00 - 14:55	115 GTL 115 GTL	
CDS300C	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P
			02	Doyle, J	A	A	P

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CONTROL & DYNAMICAL SYSTEMS							
CDS300C	+	Research in Control and Dynamical Systems	03	Goentoro, L	A	A	P
			04	Beck, J	A	A	P
			05	Dickinson, M	A	A	P
			06	Murray, R	A	A	P
			07	Owhadi, H	A	A	P
			08	Quartz, S	A	A	P
			09	Elowitz, M	A	A	P
			11	Desbrun, M	A	A	P
			12	Ortiz, M	A	A	P
			13	Adolphs, R	A	A	P
			14	Siapas, A	A	A	P
			16	Ames, A	A	A	P
			17	Chung, S	A	A	P
			ECONOMICS				
Ec 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
			02	Camerer, C	A	A	P
Ec 098C	+	Senior Research and Thesis <i>Instructor permission required prior to registering</i>	01	Camerer, C	A	A	P
Ec 117	3-0-6	Matching Markets	01	Pomatto, L	MW 09:00 - 10:25	B125 BAX	G
Ec 123	3-0-6	Analysis of Consumer Choices <i>maximum enrollment: 20 students</i>	01	Xin, Y	MW 13:00 - 14:25	B119 BAX	G
CS/Ec 149	3-0-6	Algorithmic Economics	01	Sandomirskii, F	MW 10:30 - 11:55	104 ANB	
Ec/PS 160C	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Completion of Ec/PS 160AB required.//Maximum enrollment: 10 students</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G

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ECONOMICS							
PS/Ec 172	3-0-6	Game Theory	01	Tamuz, O	TR 13:00 - 14:25	Lecture Hall BAX	
ELECTRICAL ENGINEERING							
FS/EE 005	1-5-0	Freshman Seminar: Introduction to Waves <i>class cancelled</i>	01	Yang, C	A	A	P
EE/CS 010B	2-3-1	Introduction to Digital Logic and Embedded Systems	01	George, G	TF 15:00 - 15:55	B280 MRE	
APh/EE 024	3-0-6	Introductory Optics and Photonics Laboratory	01	Matsko, A	OM,M 16:00 - 16:55	133 STL	
EE 045	3-3-6	Electronics Systems and Laboratory	01	Emami, A	TR 09:00 - 10:25	B270 MRE	
EE 080C	+	Senior Thesis	01 02 03 04 05 06 07 08 09 10 11 12 13 14	Vaidyanathan, P Scherer, A Hajimiri, S Hassibi, B Tai, Y Effros, M Doyle, J Abbott, R Emami, A George, G Choo, H Van Valen, D Marandi, A Yue, Y	A A A A A A A A A A A A A A	A A A A A A A A A A A A A A	P P P P P P P P P P P P P P
EE 090	1-8-0	Analog Electronics Project Laboratory	01	Kalantar Ohanian, R	OM,T 17:00 - 17:55	B270 MRE	G
EE 091	1-8-0	Experimental Projects in Electronic Circuits <i>class closed for enrollment // see instructor for details</i>	01	Kalantar Ohanian, R	OM,T 16:15 - 16:55	B270 MRE	G

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ELECTRICAL ENGINEERING							
EE 099	+	Advanced Work in Electrical Engineering	01	George, G	A	A	P
			02	Perona, P	A	A	P
			03	Scherer, A	A	A	P
			04	Meyerowitz, E	A	A	P
			05	Marandi, A	A	A	P
			06	Murray, R	A	A	P
			07	Low, S	A	A	P
			08	Yang, C	A	A	P
			09	Martin, A	A	A	P
			10	Chandy, K	A	A	P
			11	Tai, Y	A	A	P
			12	Hajimiri, S	A	A	P
			13	Emami, A	A	A	P
			14	Gharib, M	A	A	P
			15	Yariv, A	A	A	P
			16	Bruck, J	A	A	P
			17	Doyle, J	A	A	P
			18	Atwater, H	A	A	P
			19	Effros, M	A	A	P
			20	Kalantar Ohanian, R	A	A	P
EE 105C	1-0-0	Electrical Engineering Seminar	01	Emami, A	A	A	P
APh/EE 109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Ghaffari, A	OM,W 16:00 - 16:55	104 WAT	
EE 110C	3-4-2	Embedded Systems Design Laboratory	01	George, G	OM,T 16:00 - 16:55	B280 MRE	
EE 113	3-3-3	Feedback and Control Circuits	01	George, G	MF 13:00 - 14:25	B270 MRE	
EE/APh 120	3-0-6	Physical Optics	01	Mirhosseini, M	MW 10:30 - 11:55	B280 MRE	

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ELECTRICAL ENGINEERING							
EE/CS/MedE 125	3-6-0	Digital Electronics and Design with FPGAs and VHDL	01	Pedroni, V	OM,T 16:00 - 16:55	REMOTE	
EE/Ma/CS/IDS 127	3-0-6	Error-Correcting Codes	01	Kostina, V	MW 13:00 - 14:25	B280 MRE	
ME/CS/EE 129	1-7-1	Experimental Robotics	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
CS/EE 145	0-0-9	Projects in Networking	01	Wierman, A	OM,M 10:00 - 10:55	105 ANB	
EE/CNS/CS 148	3-0-9	Selected Topics in Computational Vision	01	Perona, P	TR 10:30 - 11:55	130 CNRB	
EE 150	3-0-6	Topics in Electrical Engineering: Random Matrices	01	Hassibi, B	TR 10:30 - 11:55	B270 MRE	
EE 151	3-0-6	Electromagnetic Engineering	01	Yang, C	TR 10:30 - 11:55	B280 MRE	
EE 154B	2-3-4	Practical Electronics for Space Applications <i>First class meeting will be held in 139 MRE on 3/29/21 from 4-6pm, and move to B270 MRE for remainder of term</i>	01	Klesh, A	T 16:00 - 17:55	B270 MRE	
CS/CNS/EE 156B	3-1-5	Learning Systems	01	Abu-Mostafa, Y	TR 14:30 - 15:55	B270 MRE	
EE/Ae 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Rosen, P	TR 14:30 - 15:55	B180 BBB	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CS/EE/IDS 166	3-3-6	Computational Cameras	01	Bouman, K	TR 13:00 - 14:25	104 ANB	

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ELECTRICAL ENGINEERING							
MedE/EE/BE 168B	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 15:30 - 17:25	142 KCK	
ME/CS/EE 169	1-7-1	Mobile Robots	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
EE/CS/MedE 175	3-6-0	Digital Circuits Analysis and Design with Complete VHDL and RTL Approach <i>class cancelled</i>	01	Pedroni, V	A	A	
APh/EE 183	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Nad Perge, S	TR 13:00 - 14:25	104 WAT	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 20 students // contact instructor if class is full</i>	01	Yang, C	TR 14:30 - 15:55	B127 KRK	
BE/EE/MedE 189B	0-9-0	Design and Construction of Biodevices	01	Yang, C	TR 14:30 - 15:55	B127 KRK	
ME/CDS/EE 234B	3-3-3	Advanced Robotics	01	Burdick, J	WR 16:00 - 16:55 F 14:00 - 14:55	115 GTL 115 GTL	
EE 291	+	Advanced Work in Electrical Engineering	01	Atwater, H	A	A	P
			02	Wang, L	A	A	P
			03	Bruck, J	A	A	P
			04	Burdick, J	A	A	P
			05	Abu-Mostafa, Y	A	A	P
			06	Doyle, J	A	A	P
			07	Effros, M	A	A	P
			08	Heath, J	A	A	P
			09	George, G	A	A	P
			10	Weinreb, S	A	A	P
			11	Hajimiri, S	A	A	P
			12	Hassibi, B	A	A	P
			13	Campbell, J	A	A	P
			14	Low, S	A	A	P
			15	Phillips, R	A	A	P

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	16	Choo, H	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Vahala, K	A	A	P
			20	Gharib, M	A	A	P
			21	Psaltis, D	A	A	P
			22	Haile, S	A	A	P
			23	Quartz, S	A	A	P
			24	Roukes, M	A	A	P
			25	Tsao, D	A	A	P
			26	Scherer, A	A	A	P
			27	Cvitanic, J	A	A	P
			28	Tai, Y	A	A	P
			29	Vaidyanathan, P	A	A	P
			30	Yariv, A	A	A	P
			31	Hoffmann, M	A	A	P
			32	Yang, C	A	A	P
			33	Chandrasekaran, V	A	A	P
			34	Martin, A	A	A	P
			35	Avouac, J	A	A	P
			36	Bridges, W	A	A	P
			37	Zmuidzinas, J	A	A	P
			38	Emami, A	A	A	P
			39	Painter, O	A	A	P
			40	Faraon, A	A	A	P
			41	Pellegrino, S	A	A	P
			42	Hallinan, G	A	A	P
			43	Lahouti, F	A	A	P
			44	Minnich, A	A	A	P
			45	Kostina, V	A	A	P
			46	Greer, J	A	A	P
			47	Yue, Y	A	A	P
48	Shapiro, M	A	A	P			

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ELECTRICAL ENGINEERING							
EE 291	+	Advanced Work in Electrical Engineering	49	Yeh, N	A	A	P
			50	Marandi, A	A	A	P
			51	Anderson, D	A	A	P
			52	Mirhosseini, M	A	A	P
			53	Vidick, T	A	A	P
ENGINEERING							
E/VC 088	3-0-6	Critical Making <i>maximum enrollment: 20 students</i>	01	Mushkin, H	T 19:00 - 21:55	130 CNRB	
E/SEC 102	3-0-6	Scientific and Technology Entrepreneurship <i>maximum enrollment: 40 students // juniors and above only</i>	01	Wilson, N	F 13:00 - 15:55	128 BAX	G
E/SEC 103	3-0-6	Management of Technology <i>class cancelled</i>	01	Murray, R	A	A	
E 110	2-0-1	Principles of University Teaching and Learning in STEM <i>maximum enrollment: 20 students // open to upperclass undergrads and graduate students only</i>	01	Dabiri, M	W 13:00 - 14:25	B270 MRE	P
ENGLISH							
Hum/En 021	3-0-6	Monsters and Marvels <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Jahner, J	TR 09:00 - 10:25	B119 BAX	
Hum/En 023	3-0-6	Literature and Medicine <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class will meet in SFL 328 on April 21st</i>	01	Gilmore, D	TR 14:30 - 15:55	TR DAB	
Hum/En 036	3-0-6	American Literature and Culture <i>Attendance at first class meeting is required. // maximum enrollment: 15 students per section</i>	01	Weinstein, C	TR 09:00 - 10:25	117 DAB	
			02	Weinstein, C	TR 14:30 - 15:55	117 DAB	

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ENGLISH							
En/Wr 084	3-0-6	Communicating Science to Non-Experts <i>maximum enrollment: 15 students // graduate students can only enroll with instructor's permission</i>	01	Sherazi, M	TR 10:30 - 11:55	117 DAB	
En 085	3-0-6	Poetry Writing <i>maximum enrollment: 12 students</i>	01	Factor, J	T 19:00 - 21:55	125 BAX	
En 089	3-0-6	Writing the News - Journalistic Writing <i>maximum enrollment: 12 students</i>	01	Kipling, R	T 19:00 - 21:55	115 DAB	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01 02	Weinstein, C Jahner, J	A A	A A	P P
En 099B	1-0-8	Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i>	01	Staff	A	A	G
En 107	3-0-6	Medieval Romance <i>maximum enrollment: 15 students</i>	01	Jahner, J	TR 13:00 - 14:25	125 BAX	
En 112	3-0-6	Nineteenth-Century American Poetry <i>maximum enrollment: 15 students</i>	01	Hill, A	TR 14:30 - 15:55	135 LLB	
En 122	3-0-6	Early History of the Novel <i>maximum enrollment: 15 students</i>	01	Haugen, K	M 19:00 - 21:55	128 BAX	
En/VC 129	3-0-6	Literature/Photography/Facticity <i>maximum enrollment: 15 students</i>	01	Hill, A	TR 10:30 - 11:55	228 BAX	
En 132	3-0-6	After Austen: Nineteenth-Century British Women's Writing <i>maximum enrollment: 15 students</i>	01	Gilmore, D	TR 10:30 - 11:55	125 BAX	G
En 140	3-0-6	Literature in the Marketplace of Books <i>maximum enrollment: 15 students</i>	01	Koch, J	TR 14:30 - 15:55	9th Floor Caltech Hall	
En/VC 161	3-0-6	The New Hollywood <i>maximum enrollment: 15 students // class closed, see instructor for waitlist</i>	01	Jurca, C	TR 10:30 - 11:55	B119 BAX	

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ENGLISH AS A SECOND LANGUAGE							
ESL/Wr 107	3-0-3	Fundamentals of Scientific Writing <i>maximum enrollment: 15 students</i>	01	Manoukian, N	TR 15:30 - 16:55	121 BCK	P
ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE001	3-0-6	Earth's Climate <i>maximum enrollment: 30 students</i>	01	Wennberg, P	MWF 14:00 - 14:55	119 KRK	
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P
			03	Thompson, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Bordoni, S	A	A	P
			06	Leadbetter, J	A	A	P
			07	Adkins, J	A	A	P
			08	Flagan, R	A	A	P
			09	Frankenberg, C	A	A	P
			10	Yung, Y	A	A	P
ESE100	+	Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i>	01	Adkins, J	A	A	P
			02	Flagan, R	A	A	P
			03	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Thompson, A	A	A	P
			06	Kornfield, J / Diallo, M	A	A	P
			07	Diallo, M	A	A	P
			08	Yung, Y	A	A	P
			09	Seinfeld, J	A	A	P
			10	Wennberg, P	A	A	P
			11	Diallo, M / Kornfield, J	A	A	P
			12	Schneider, T	A	A	P
			13	Leadbetter, J	A	A	P
			14	Fischer, W	A	A	P
			15	Lamb, M	A	A	P

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE106	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P
			02	Blake, G	A	A	P
			03	Bordoni, S	A	A	P
			04	Eiler, J	A	A	P
			05	Flagan, R	A	A	P
			06	Hoffmann, M	A	A	P
			07	Ingersoll, A	A	A	P
			08	Lamb, M	A	A	P
			09	Leadbetter, J	A	A	P
			10	Newman, D	A	A	P
			11	Okumura, M	A	A	P
			12	Orphan, V	A	A	P
			13	Schneider, T	A	A	P
			14	Seinfeld, J	A	A	P
			15	Sessions, A	A	A	P
			16	Wennberg, P	A	A	P
			17	Yung, Y	A	A	P
			18	Thompson, A	A	A	P
			19	Frankenberg, C	A	A	P
			20	Callies, J	A	A	P
ESE110C	1-0-0	Seminar in Environmental Science and Engineering	01	Callies, J	W 16:00 - 16:55	365 SMD	P
ESE131	3-0-6	Ocean Dynamics	01	Callies, J	MWF 11:00 - 11:55	135 LLB	
ESE134	3-0-6	Cloud and Boundary Layer Dynamics	01	Schneider, T	TR 14:30 - 15:55	162 SMD	G
ESE137	3-0-6	Polar Oceanography	01	Thompson, A	R 15:00 - 16:55	215 NMD	G
					F 15:00 - 16:55	162 SMD	
Ge/ESE 140C	3-0-6	Stable Isotope Biogeochemistry	01	Sessions, A	MWF 11:00 - 11:55	215 NMD	G

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ENVIRONMENTAL SCIENCE & ENGINEERING							
ESE/Ge 142	3-0-6	Aquatic Chemistry of Natural Waters	01	Adkins, J	MWF 13:00 - 13:55	135 LLB	
ESE144	3-0-6	Climate From Space	01	Teixeira, J / Thompson, A	TR 09:00 - 10:25	365 SMD	
Ge/Bi/BE/CNS/ESE 14	6-0-0	Challenges and Opportunities in Quantitative Ecology	01	Fischer, W	M 15:00 - 15:55	365 SMD	G
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Knutson, H	MWF 14:00 - 14:55	162 SMD	
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
ESE/ChE 158	3-0-6	Aerosol Physics and Chemistry	01	Flagan, R / Seinfeld, J	TR 10:30 - 11:55	106 SPL	
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	153 NYS	
ESE/Ch 177	3-0-6	Environmental Physical Organic Chemistry Part II	01	Hoffmann, M	MWF 10:00 - 10:55	135 LLB	
Ge/ESE 298	+	Mentoring and Outreach <i>meets W 3-4:25pm in Arms Circle Patio</i>	01 02 03 04 05 06	Newman, D Sessions, A Fischer, W Avouac, J / Bucholz, C Thompson, A Gurnis, M	A A A A A A	A A A A A A	P P P P P P
ESE300	+	Thesis Research	01 02 03 04 05 06 07 08	Adkins, J Sessions, A Okumura, M Hoffmann, M Ingersoll, A Leadbetter, J Flagan, R Orphan, V	A A A A A A A A	A A A A A A A A	P P P P P P P P

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
GEOLOGY										
Ge 040	+	Special Problems for Undergraduates	04	Adkins, J	A	A	P			
			05	Rossmann, G	A	A	P			
			06	Ingersoll, A	A	A	P			
			07	Asimow, P	A	A	P			
			08	Clayton, R	A	A	P			
			09	Sessions, A	A	A	P			
			10	Yung, Y	A	A	P			
			11	Eiler, J	A	A	P			
			12	Jackson, J	A	A	P			
			13	Brown, M	A	A	P			
			14	Fischer, W	A	A	P			
			15	Orphan, V	A	A	P			
			16	Ehlmann, B	A	A	P			
			17	de Kleer, K	A	A	P			
			Ge 041C	+	Undergraduate Research and Bachelor's Thesis	01	Grotzinger, J	A	A	P
						02	Newman, D	A	A	P
						03	Kirschvink, J	A	A	P
04	Stock, J	A				A	P			
05	Ingersoll, A	A				A	P			
06	Orphan, V	A				A	P			
07	Fischer, W	A				A	P			
08	Jackson, J	A				A	P			
09	Sessions, A	A				A	P			
10	Leadbetter, J	A				A	P			
11	Asimow, P	A				A	P			
12	Rossmann, G	A				A	P			
13	Adkins, J	A				A	P			
14	Lamb, M	A				A	P			
15	Ehlmann, B	A				A	P			
16	Simons, M	A				A	P			
17	Ingersoll, A	A				A	P			

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GEOLOGY							
Ge 103	3-0-6	Introduction to the Solar System <i>Taught concurrently with Ge/Ay 011C</i>	01	Ingersoll, A	TR 13:00 - 14:25	162 SMD	
Ge 104	3-0-6	Introduction to Geobiology <i>taught concurrently with Ge 011B</i>	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55 W 19:00 - 21:55	251 ARM 251 ARM	
Ge 109	+	Oral Presentation <i>Section 1: Geochemistry // Section 2: Geobiology</i>	01 02 03 04	Rossmann, G Sessions, A Fischer, W Kirschvink, J	R 17:15 - 18:55 A A A	151 ARM A A A	P P P P
Ge 111B	0-3-6	Applied Geophysics Seminar and Field Course	01	Clayton, R / Simons, M	T 09:00 - 09:55	254 SMD	G
Ge 112	3-5-4	Sedimentology and Stratigraphy	01	Grotzinger, J	TR 10:30 - 11:55	267 ARM	
Ge 115B	3-3-3	Petrology and Petrography: Metamorphic Petrology	01	Eiler, J	TR 13:00 - 14:25	267 ARM	
Ge 119	3-0-6	Geology of the American Southwest	01	Bucholz, C	T 14:30 - 15:55 F 13:00 - 14:25	267 ARM 267 ARM	G
Ge 120A	1-6-2	Introduction to Field Geology <i>class cancelled</i>	01	Bucholz, C	A	A	
Ge 121C	0-9-3	Advanced Field Geology	01	Grotzinger, J	TR 10:30 - 11:55	267 ARM	G
Ge 122C	1-3-2	Field Geology Seminar	01	Stock, J	T 14:30 - 15:25	256 SMD	P
Ge 131	3-0-6	Planetary Structure and Evolution	01	Stevenson, D	MWF 10:00 - 10:55	162 SMD	
Ge 136C	1-0-2	Regional Field Geology of the Southwestern United States	01	Kirschvink, J	OM,M 17:00 - 17:55	REMOTE	P
Ge/ESE 140C	3-0-6	Stable Isotope Biogeochemistry	01	Sessions, A	MWF 11:00 - 11:55	215 NMD	G

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GEOLOGY							
ESE/Ge 142	3-0-6	Aquatic Chemistry of Natural Waters	01	Adkins, J	MWF 13:00 - 13:55	135 LLB	
Ge/Bi/BE/CNS/ESE 14	6-0-0	Challenges and Opportunities in Quantitative Ecology	01	Fischer, W	M 15:00 - 15:55	365 SMD	G
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Knutson, H	MWF 14:00 - 14:55	162 SMD	
Ge 151	3-3-3	Planetary Surfaces	01	de Kleer, K	TR 14:30 - 15:55	254 SMD	G
Ge/EE/ESE 157C	3-3-3	Remote Sensing for Environmental and Geological Applications	011	Ehlmann, B	TR 09:00 - 10:25	162 SMD	
Ge 163	3-0-6	Geodynamics	01	Gurnis, M	MWF 09:00 - 09:55	256 SMD	
Ge 167	3-0-6	Tectonic Geodesy <i>class cancelled</i>	01	Simons, M	A	A	G
ESE/Ge/Ch 171	3-0-6	Atmospheric Chemistry I	01	Seinfeld, J / Wennberg, P	TR 13:00 - 14:25	153 NYS	
Ge 177	3-3-6	Active Tectonics	01	Avouac, J	TR 15:00 - 15:55 F 14:00 - 14:55	212 NMD 212 NMD	
Ay/Ge 198	2-0-4	Special Topics in the Planetary Sciences	01	Howard, A	M 10:00 - 11:55	219 CHL	
Ge 217	3-0-3	Radiogenic Isotopes Seminar	01	Farley, K	F 09:00 - 10:55	267 ARM	P
Ge 219	2-0-4	Non-traditional Isotopes Seminar <i>class cancelled</i>	01	Tissot, F	A	A	
Ge/Bi 244	3-0-3	Paleobiology Seminar <i>class cancelled</i>	01	Kirschvink, J	A	A	
Ge 261	3-0-6	Advanced Seismology <i>class cancelled</i>	01	Zhan, Z	A	A	G

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GEOLOGY							
Ge 264	3-0-6	Machine Learning in Geophysics	01	Ross, Z	MWF 13:00 - 13:55	254 SMD	
ME/Ge/Ae 266A	3-0-6	Dynamic Fracture and Frictional Faulting <i>class cancelled</i>	01	Lapusta, N	A	A	
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Clayton, R	A	A	P
			03	Stock, J	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Grotzinger, J	A	A	P
			08	Eiler, J	A	A	P
			09	Jackson, J	A	A	P
			10	Farley, K	A	A	P
			11	Gurnis, M	A	A	P
			12	Saleeby, J	A	A	P
			14	Ingersoll, A	A	A	P
			15	Jackson, J	A	A	P
			16	Kirschvink, J	A	A	P
			17	Kulkarni, S	A	A	P
			18	Newman, D	A	A	P
			19	Fischer, W	A	A	P
			20	Bordoni, S	A	A	P
			21	Ehlmann, B	A	A	P
			22	Rossmann, G	A	A	P
			23	Lamb, M	A	A	P
			24	Miller, T	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Zhan, Z	A	A	P
			28	Stolper, E	A	A	P
			29	Batygin, K	A	A	P

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GEOLOGY							
Ge 297	+	Advanced Study	30	Bucholz, C	A	A	P
			31	Tissot, F	A	A	P
			32	Wernicke, B	A	A	P
			33	Ross, Z	A	A	P
			34	Yung, Y	A	A	P
			35	Wennberg, P	A	A	P
			36	Avouac, J	A	A	P
			37	Aharonson, O	A	A	P
			38	Lapusta, N	A	A	P
			39	Sessions, A	A	A	P
			40	Orphan, V	A	A	P
			42	Tsai, V	A	A	P
			43	Knutson, H	A	A	P
			44	Leadbetter, J	A	A	P
			45	Ross, Z	A	A	P
			46	de Kleer, K	A	A	P
Ge/ESE 298	+	Mentoring and Outreach <i>meets W 3-4:25pm in Arms Circle Patio</i>	01	Newman, D	A	A	P
			02	Sessions, A	A	A	P
			03	Fischer, W	A	A	P
			04	Avouac, J / Bucholz, C	A	A	P
			05	Thompson, A	A	A	P
			06	Gurnis, M	A	A	P
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Batygin, K	A	A	P
			03	Fischer, W	A	A	P
			04	Kirschvink, J	A	A	P
			05	Asimow, P	A	A	P
			06	Blake, G	A	A	P
			07	Brown, M	A	A	P
			08	Clayton, R	A	A	P
			09	Eiler, J	A	A	P
			10	Farley, K	A	A	P
			11	Gurnis, M	A	A	P

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GEOLOGY							
Ge 299	+	Thesis Research	12	Heaton, T	A	A	P
			13	Tissot, F	A	A	P
			14	Schneider, T	A	A	P
			15	Grotzinger, J	A	A	P
			16	Simons, M	A	A	P
			17	Avouac, J	A	A	P
			18	Newman, D	A	A	P
			20	Ehlmann, B	A	A	P
			21	Orphan, V	A	A	P
			22	Fischer, W	A	A	P
			23	Saleeby, J	A	A	P
			24	Kulkarni, S	A	A	P
			25	Lamb, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Stock, J	A	A	P
			28	Stolper, E	A	A	P
			29	Knutson, H	A	A	P
			30	Bucholz, C	A	A	P
			31	Zhan, Z	A	A	P
			32	Yung, Y	A	A	P
			33	Wernicke, B	A	A	P
			34	Rossman, G	A	A	P
			35	Sessions, A	A	A	P
			36	Lapusta, N	A	A	P
			37	Jackson, J	A	A	P
			38	Ingersoll, A	A	A	P
			39	Bordoni, S	A	A	P
			40	Tsai, V	A	A	P
			41	Leadbetter, J	A	A	P
			42	Ross, Z	A	A	P
			43	de Kleer, K	A	A	P

HISTORY

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HISTORY							
Hum/H 002	3-0-6	Twentieth Century African American History <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 12 students</i>	01	Wiggins, D	TR 14:30 - 15:55	115 DAB	
Hum/H 004	3-0-6	Political, Social, and Intellectual Change in Early Modern Europe <i>Attendance at first class meeting is required. //</i> <i>maximum enrollment: 15 students</i>	01	Hoffman, P	TR 09:00 - 10:25	228 BAX	G
Hum/H 006	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at first class meeting is required. //</i> <i>maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	128 BAX	
Hum/H 011	3-0-6	Love and Death: Using Demography to Study the History of Europe from 1700 <i>Attendance at first class meeting is required. //</i> <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 09:00 - 10:25	128 BAX	
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at first class meeting is required. //</i> <i>maximum enrollment: 15 students</i>	01	Rand, L	R 19:00 - 21:55	128 BAX	
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	TR DAB	
H 098	+	Reading in History <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P
H 099C	1-0-8	Research Tutorial <i>Instructor permission required prior to registering</i>	01	Dykstra, M	A	A	
VC/H 102	3-0-6	Looking East/Looking West <i>maximum enrollment: 15 students // priority given to VC and H minors</i>	01	Clark, C	TR 10:30 - 11:55	B133 BAX	G
H 109	3-0-6	Medieval Knighthood <i>maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	125 BAX	

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HISTORY							
H/HPS 130	3-0-6	Technology and Environment in America <i>maximum enrollment: 15 students</i>	01	Rand, L	W 19:00 - 21:55	127 BAX	
H 134	3-0-6	Birds, Evolution, Speciation and Society <i>maximum enrollment: 15 students</i>	01	Lewis, D	T 19:00 - 21:55	127 BAX	G
H 135	3-0-6	War, Conquest, and Empires <i>maximum enrollment: 15 students</i>	01	Hoffman, P	TR 14:30 - 15:55	127 BAX	G
H 149	3-0-6	Age of Fracture: America Since 1974 <i>maximum enrollment: 15 students</i>	01	Wiggins, D	W 19:00 - 21:55	125 BAX	
H/HPS 155	3-0-6	Mortality Crises and Social Change: Epidemic Disease from 1300 to the Present <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 13:00 - 14:25	128 BAX	
HPS/H 160	3-0-6	Einstein and His Generation: The History of Modern Physical Sciences <i>maximum enrollment: 15 students per section</i>	01 02	Kormos-Buchwald, D Kormos-Buchwald, D	T 19:00 - 21:55 R 19:00 - 21:55	House EINSTEIN House EINSTEIN	
HPS/H 162	3-0-6	Social Studies of Science <i>maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	TR DAB	
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 174	3-0-6	Vital Instruments: Biotechnology in Global Perspective <i>maximum enrollment: 15 students // class will meet in 106 SPL on April 5th</i>	01	Kollmer, C	TR 14:30 - 15:55	153 NYS	
HISTORY AND PHILOSOPHY OF SCIENCE							
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at first class meeting is required. // maximum enrollment: 15 students</i>	01	Rand, L	R 19:00 - 21:55	128 BAX	
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	TR DAB	

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HISTORY AND PHILOSOPHY OF SCIENCE							
HPS098	+	Reading in History and Philosophy of Science	01	Staff	A	A	P
HPS103	1-0-0	Public Lecture Series <i>not offered</i>	01	Kormos-Buchwald, D	A	A	P
HPS/PI 125	3-0-6	Philosophical Issues in Quantum Physics <i>maximum enrollment: 15 students</i>	01	Hubert, M	TR 10:30 - 11:55	127 BAX	
H/HPS 130	3-0-6	Technology and Environment in America <i>maximum enrollment: 15 students</i>	01	Rand, L	W 19:00 - 21:55	127 BAX	
H/HPS 155	3-0-6	Mortality Crises and Social Change: Epidemic Disease from 1300 to the Present <i>maximum enrollment: 15 students</i>	01	Dennison, T	TR 13:00 - 14:25	128 BAX	
HPS/H 160	3-0-6	Einstein and His Generation: The History of Modern Physical Sciences <i>maximum enrollment: 15 students per section</i>	01 02	Kormos-Buchwald, D Kormos-Buchwald, D	T 19:00 - 21:55 R 19:00 - 21:55	House EINSTEIN House EINSTEIN	
HPS/H 162	3-0-6	Social Studies of Science <i>maximum enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	TR DAB	
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 174	3-0-6	Vital Instruments: Biotechnology in Global Perspective <i>maximum enrollment: 15 students // class will meet in 106 SPL on April 5th</i>	01	Kollmer, C	TR 14:30 - 15:55	153 NYS	
HUMANITIES							
Hum/H 002	3-0-6	Twentieth Century African American History <i>Attendance at first class meeting is required. // Maximum enrollment: 12 students</i>	01	Wiggins, D	TR 14:30 - 15:55	115 DAB	
Hum/H 004	3-0-6	Political, Social, and Intellectual Change in Early Modern Europe <i>Attendance at first class meeting is required. // maximum enrollment: 15 students</i>	01	Hoffman, P	TR 09:00 - 10:25	228 BAX	G

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HUMANITIES							
Hum/H 006	3-0-6	Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at first class meeting is required. // maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	128 BAX	
Hum/H 011	3-0-6	Love and Death: Using Demography to Study the History of Europe from 1700 <i>Attendance at first class meeting is required. // maximum enrollment: 15 students</i>	01	Dennison, T	TR 09:00 - 10:25	128 BAX	
Hum/H/HPS 015	3-0-6	Waste in the World <i>Attendance at first class meeting is required. // maximum enrollment: 15 students</i>	01	Rand, L	R 19:00 - 21:55	128 BAX	
Hum/H/HPS 018	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students</i>	01	Feingold, M	M 19:00 - 21:55	TR DAB	
Hum/En 021	3-0-6	Monsters and Marvels <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i>	01	Jahner, J	TR 09:00 - 10:25	B119 BAX	
Hum/En 023	3-0-6	Literature and Medicine <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class will meet in SFL 328 on April 21st</i>	01	Gilmore, D	TR 14:30 - 15:55	TR DAB	
Hum/En 036	3-0-6	American Literature and Culture <i>Attendance at first class meeting is required. // maximum enrollment: 15 students per section</i>	01 02	Weinstein, C Weinstein, C	TR 09:00 - 10:25 TR 14:30 - 15:55	117 DAB 117 DAB	
Hum/PI 039	3-0-6	Ancient Greek Philosophy <i>Attendance at first class meeting is required. // maximum enrollment: 15 students</i>	01	Hubert, M	TR 14:30 - 15:55	B133 BAX	
Hum/PI 044	3-0-6	Philosophy Through Science Fiction <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students per section</i>	01 02	Sebens, C Sebens, C	TR 09:00 - 10:25 TR 14:30 - 15:55	125 BAX B119 BAX	
Hum/VC 050	3-0-6	Introduction to Film <i>Attendance at first class meeting is required. //</i>	01	Jurca, C	TR 14:30 - 15:55	125 BAX	

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HUMANITIES							
Hum075	+	Selected Topics in Humanities	01	Garcia, D	A	A	
Hum114	3-0-6	Spanish Language Literature and its Film Adaptations <i>maximum enrollment: 10 students // taught concurrently with L 114</i>	01	Arjona, G	M 19:00 - 20:25 F 14:00 - 15:25	117 DAB 117 DAB	
L/Hum 150	3-0-6	Japanese Literature in Translation <i>maximum enrollment: 15 students</i>	01	Toner, R	TR 16:00 - 17:25	127 BAX	
L/Hum 152	3-0-6	Classical French Literature in Translation <i>maximum enrollment: 15 students</i>	01	Merrill, T	T 19:30 - 20:55 F 16:00 - 17:25	128 BAX 128 BAX	
Hum174	3-0-6	Topics in Masterpieces of Chinese Writing <i>maximum enrollment: 10 students // taught concurrently with L 174</i>	01	Ming, F	MW 17:00 - 18:25	127 BAX	
INFORMATION AND DATA SCIENCES							
EE/Ma/CS/IDS 127	3-0-6	Error-Correcting Codes	01	Kostina, V	MW 13:00 - 14:25	B280 MRE	
Ma/ACM/IDS 140B	3-0-6	Probability	01	Tamuz, O	MWF 13:00 - 13:55	Hameetman Aud CHL	
CS/IDS 153	3-0-6	Current Topics in Theoretical Computer Science <i>Sec 1: Algebraic complexity and matrix multiplication // Sec 2: Markov Chain Monte Carlo</i>	01 02	Umans, C Schulman, L	TR 13:00 - 14:25 TR 10:30 - 11:55 OM,T 10:30 - 11:55	213 ANB 213 ANB 213 ANB	
IDS/ACM/CS 157	3-2-4	Statistical Inference	01	Zuev, K	TR 09:00 - 10:25	Lecture Hall BAX	
CS/CNS/EE/IDS 159	3-0-6	Advanced Topics in Machine Learning	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CS/IDS 162	3-0-6	Data, Algorithms and Society <i>class cancelled</i>	01	Ralph, C	A	A	

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INFORMATION AND DATA SCIENCES							
CS/EE/IDS 166	3-3-6	Computational Cameras	01	Bouman, K	TR 13:00 - 14:25	104 ANB	
IDS197	+	Undergraduate Reading in the Information and Data Sciences	01	Zuev, K	A	A	P
IDS198	+	Undergraduate Projects in Information and Data Sciences	01	Murray, R	A	A	P
			02	Low, S	A	A	P
			03	Chandrasekaran, V	A	A	P
			04	Zuev, K	A	A	P
			05	Anandkumar, A	A	A	P
IDS199	+	Undergraduate Thesis in the Information and Data Sciences	01	Perona, P	A	A	P
ACM/IDS 213	3-0-6	Topics in Optimization	01	Qian, E	MW 10:00 - 11:25	213 ANB	
LANGUAGES							
L 102C	3-0-6	Elementary French	01	Orcel, C	TWR 12:00 - 12:55	127 BAX	G
L 103C	3-0-6	Intermediate French	01	Orcel, C	MW 09:00 - 09:55 F 10:00 - 10:55	117 DAB 117 DAB	
L 106C	4-0-5	Elementary Japanese <i>maximum enrollment: 15 students section 1, 20 students in section 2 // Prerequisite: L106b or equivalent</i>	01	Fujio, M	MTWR 15:00 - 15:55	228 BAX	
			02	Fujio, M	MTWR 16:00 - 16:55	228 BAX	
L 107C	3-0-6	Intermediate Japanese <i>Prerequisite: L 106abc or equivalent // Taught by Dr. Hirai // maximum enrollment: 15 students</i>	01	Toner, R	MW 16:00 - 17:25	125 BAX	
L 110C	3-0-6	Elementary Spanish <i>maximum enrollment: 15 students per section</i>	01	Arjona, G	MF 16:30 - 17:55	117 DAB	
			02	Garcia, D	MWR 12:00 - 12:55	115 DAB	
L 112C	3-0-6	Intermediate Spanish <i>maximum enrollment: 20 students</i>	01	Garcia, D	MR 19:00 - 20:25	115 DAB	

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
LANGUAGES							
L 114	3-0-6	Spanish Language Literature and its Film Adaptations <i>maximum enrollment: 10 students // taught concurrently with Hum 114</i>	01	Arjona, G	M 19:00 - 20:25 F 14:00 - 15:25	117 DAB 117 DAB	
L 130C	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	117 DAB	
L 132C	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	117 DAB	
L/Hum 150	3-0-6	Japanese Literature in Translation <i>maximum enrollment: 15 students</i>	01	Toner, R	TR 16:00 - 17:25	127 BAX	
L/Hum 152	3-0-6	Classical French Literature in Translation <i>maximum enrollment: 15 students</i>	01	Merrill, T	T 19:30 - 20:55 F 16:00 - 17:25	128 BAX 128 BAX	
L 167	3-0-6	Latin Literature <i>maximum enrollment: 15 students</i>	01	Pigman, G	W 11:30 - 12:55 F 12:00 - 13:25	208 DAB 208 DAB	
L 170C	3-0-6	Introduction to Chinese <i>maximum enrollment: 15 students</i>	01	Wang, X	MTW 12:00 - 12:55	128 BAX	
L 172C	3-0-6	Intermediate Chinese <i>maximum enrollment: 15 students</i>	01	Wang, X	WF 15:00 - 16:25	115 DAB	
L 174	3-0-6	Topics in Masterpieces of Chinese Writing <i>maximum enrollment: 10 students // taught concurrently with Hum 174</i>	01	Ming, F	MW 17:00 - 18:25	127 BAX	
L 175	3-0-3	French Conversation	01	Orcel, C	OM,M 12:00 - 12:55	TR DAB	P
L 176	3-0-6	Chinese Conversation <i>maximum enrollment: 15 students</i>	01	Ming, F	MTW 16:00 - 16:55	128 BAX	
LAW							
Pl/Law 099	3-0-6	Causation and Responsibility <i>maximum enrollment: 15 students</i>	01	Hitchcock, C	TR 13:00 - 14:25	TR DAB	

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MATERIALS SCIENCE							
MS 078C	+	Senior Thesis	01	Gharib, M	A	A	P
			02	Johnson, W	A	A	P
			03	Ravichandran, G	A	A	P
			04	Greer, J	A	A	P
			05	Goddard, W	A	A	P
			06	Minnich, A	A	A	P
			07	Fultz, B	A	A	P
			08	Faber, K	A	A	P
			09	Daraio, C	A	A	P
			10	Falson, J	A	A	P
			11	Atwater, H	A	A	P
MS 090	1-6-2	Materials Science Laboratory	01	Hofmann, D	M 12:00 - 12:55	104 WAT	
MS 100	+	Advanced Work in Materials Science	01	Minnich, A	A	A	P
			02	Fultz, B	A	A	P
			03	Lewis, N	A	A	P
			04	Davis, M	A	A	P
			05	Johnson, W	A	A	P
			06	Greer, J	A	A	P
			07	Faber, K	A	A	P
			08	Falson, J	A	A	P
			09	Gao, W	A	A	P
			10	Atwater, H	A	A	P
APh/MS 105C	3-0-6	States of Matter	01	Falson, J	TR 09:00 - 10:25	104 WAT	
MS 110C	1-0-0	Materials Research Lectures	01	Bernardi, M	W 16:00 - 16:55	153 NYS	P
MS 121	1-4-4	Laboratory Research Methods in Materials Science <i>class closed // see instructor to enroll</i>	01	Ahn, C	A	A	G

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MATERIALS SCIENCE							
MS 133	3-0-6	Kinetic Processes in Materials	01	Greer, J / Kornfield, J	TR 14:30 - 15:55	104 WAT	
MS 141	3-0-6	Introduction to Computational Methods for Science and Engineering	01	Bernardi, M	MWF 13:00 - 13:55	125 STL	
MS/ME 166	3-0-6	Fracture of Brittle Solids	01	Faber, K	TR 10:30 - 11:55	104 WAT	
MS 200	+	Advanced Work in Materials Science	01	Johnson, W	A	A	P
			02	Goddard, W	A	A	P
			03	Blake, G	A	A	P
			04	Fultz, B	A	A	P
			05	Daraio, C	A	A	P
			06	Heath, J	A	A	P
			07	Bhattacharya, K	A	A	P
			08	Lewis, N	A	A	P
			09	Yeh, N	A	A	P
			10	Atwater, H	A	A	P
			11	Ahn, C	A	A	P
			12	Greer, J	A	A	P
			13	Minnich, A	A	A	P
			14	Bernardi, M	A	A	P
			15	Ortiz, M	A	A	P
			16	Kochmann, D	A	A	P
			17	Faber, K	A	A	P
			18	Cushing, S	A	A	P
			19	See, K	A	A	P
			20	Kornfield, J	A	A	P
			21	Falson, J	A	A	P
			22	Gao, W	A	A	P
			23	Faraon, A	A	A	P
MS 300	+	Thesis Research	01	Johnson, W	A	A	P
			02	Faber, K	A	A	P
			03	Atwater, H	A	A	P

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MATERIALS SCIENCE										
MS 300	+	Thesis Research	04	Goddard, W	A	A	P			
			05	Fultz, B	A	A	P			
			06	Greer, J	A	A	P			
			07	See, K	A	A	P			
			08	Lewis, N	A	A	P			
			09	Bhattacharya, K	A	A	P			
			10	Rosakis, A	A	A	P			
			11	Minnich, A	A	A	P			
			12	Snyder, G	A	A	P			
			13	Bernardi, M	A	A	P			
			14	Ortiz, M	A	A	P			
			15	Falson, J	A	A	P			
			16	Cross, M	A	A	P			
			17		A	A	P			
			18	Gao, W	A	A	P			
			MATHEMATICS							
			Ma 001C	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-6 // Analytical Track: Sections 7-9</i>	01	Flach, M	MWF 10:00 - 10:55 R 09:00 - 09:55	119 KRK 269 LAU	G
						02	Flach, M	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 269 LAU	G
03	Flach, M	MWF 10:00 - 10:55 R 13:00 - 13:55				119 KRK B180 BBB	G			
04	Flach, M	MWF 10:00 - 10:55 R 14:00 - 14:55				119 KRK 269 LAU	G			
05	Flach, M	MWF 10:00 - 10:55 R 18:00 - 18:55				119 KRK 269 LAU	G			
06	Flach, M	MWF 10:00 - 10:55 R 19:00 - 19:55				119 KRK 310 LINDE	G			
07	Yu, T	MWF 10:00 - 10:55 R 10:00 - 10:55				310 LINDE 102 STL	G			
08	Yu, T	MWF 10:00 - 10:55 R 16:00 - 16:55				310 LINDE 269 LAU	G			
09	Yu, T	MWF 10:00 - 10:55				310 LINDE	G			

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MATHEMATICS							
Ma 001C	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-6 // Analytical Track: Sections 7-9</i>	09	Yu, T	R 15:00 - 15:55	B111 DWN	G
Ma 004	3-0-6	Introduction to Mathematical Chaos <i>taught concurrently with Ma 104</i>	01	Vigneaux Ariztia, J	TR 10:30 - 11:55	255 LINDE	
Ma 005C	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105c</i>	01	Oswal, A	MWF 09:00 - 09:55	310 LINDE	
Ma/CS 006C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma 106c</i>	01	Kechris, A	TR 13:00 - 14:25	Annex SLN	
Ma 007	3-0-6	Number Theory for Beginners <i>taught concurrently with Ma 107</i>	01	Szumowicz, A	TR 10:30 - 11:55	310 LINDE	
Ma 011	0-0-3	Mathematical Writing <i>class is taught as individually scheduled meetings after the OM</i>	01	Graber, T	OM,A	A	
Ma 092C	+	Senior Thesis	01 02 03 04 05 06 07	Mantovan, E Kechris, A Marcolli, M Burungale, A Zhu, X Burungale, A Katz, N	A A A A A A A	A A A A A A A	P P P P P P P
Ma 097	+	Research in Mathematics	01 02 03 04 05 06 07	Ni, Y Burungale, A Mantovan, E Tamuz, O Vigneaux Ariztia, J Marcolli, M Conlon, D	A A A A A A A	A A A A A A A	P P P P P P P
Ma 098	+	Independent Reading <i>Faculty permission required to register for</i>	01 02	Graber, T Katz, N	A A	A A	P P

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MATHEMATICS							
Ma 098	+	Independent Reading <i>Faculty permission required to register for course.</i>	03	Mazel-Gee, A	A	A	P
			04	Chen, L	A	A	P
			05	Smillie, P	A	A	P
			06	Vidnyanszky, Z	A	A	P
Ma 104	3-0-6	Introduction to Mathematical Chaos <i>taught concurrently with Ma 4</i>	01	Vigneaux Ariztia, J	TR 10:30 - 11:55	255 LINDE	
Ma 105C	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 5c</i>	01	Oswal, A	MWF 09:00 - 09:55	310 LINDE	
Ma/CS 106C	3-0-6	Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 006c</i>	01	Kechris, A	TR 13:00 - 14:25	Annex SLN	
Ma 107	3-0-6	Number Theory for Beginners <i>taught concurrently with Ma 7</i>	01	Szumowicz, A	TR 10:30 - 11:55	310 LINDE	
Ma 108C	3-0-6	Classical Analysis	01	Karpukhin, M	MWF 11:00 - 11:55	Hameetman Aud CHL	
Ma 109C	3-0-6	Introduction to Geometry and Topology	01	Smillie, P	MWF 10:00 - 10:55	Hameetman Aud CHL	
Ma 110C	3-0-6	Analysis, I	01	Isett, P	MWF 14:00 - 14:55	310 LINDE	
Ma 111C	3-0-6	Topics in Analysis	01	Katz, N	TR 10:30 - 11:55	387 LINDE	
Ma 116C	3-0-6	Mathematical Logic and Axiomatic Set Theory	01	Vidnyanszky, Z	TR 13:00 - 14:25	310 LINDE	
Ma 120C	3-0-6	Abstract Algebra	01	Flach, M	MWF 09:00 - 09:55	387 LINDE	
Ma 121B	3-0-6	Combinatorial Analysis	01	Conlon, D	MWF 14:00 - 14:55	Annex SLN	
EE/Ma/CS/IDS 127	3-0-6	Error-Correcting Codes	01	Kostina, V	MW 13:00 - 14:25	B280 MRE	

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MATHEMATICS							
Ma/ACM/IDS 140B	3-0-6	Probability	01	Tamuz, O	MWF 13:00 - 13:55	Hameetman Aud CHL	
Ma 151C	3-0-6	Algebraic and Differential Topology	01	Mazel-Gee, A	MWF 10:00 - 10:55	387 LINDE	
Ma 191C	3-0-6	Selected Topics in Mathematics <i>Sec 1: Random walks and uniform spanning trees // Sec 2: Spectrum of hyperbolic surfaces and number theory // Sec 3: Extremal Set Theory</i>	01	Hutchcroft, T	TR 10:30 - 11:55	289 LINDE	P
			02	Dunn, A	TR 14:30 - 15:55	289 LINDE	P
			03	Schuelke, B	TR 14:30 - 15:55	255 LINDE	P
Ma 290	+	Reading <i>Faculty permission required to register for course.</i>	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P
			03	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
			12	Ni, Y	A	A	P
			13	Radziwill, M	A	A	P
			14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Staff	A	A	P
			17	Zhu, X	A	A	P
			18	Gukov, S	A	A	P
			19	Kapustin, A	A	A	P
			20	Kapustin, A	A	A	P
			21	Kitaev, A	A	A	P
			22	Tamuz, O	A	A	P
			23	Cvitanic, J	A	A	P
			24	Owhadi, H	A	A	P
			26	Burungale, A	A	A	P

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MATHEMATICS							
Ma 390	+	Research <i>Faculty permission required to register for research.</i>	01	Conlon, D	A	A	P
			02	Flach, M	A	A	P
			03	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
			12	Ni, Y	A	A	P
			13	Radziwill, M	A	A	P
			14	Rains, E	A	A	P
			15	Ramakrishnan, D	A	A	P
			16	Staff	A	A	P
			17	Zhu, X	A	A	P
			18	Gukov, S	A	A	P
			19	Kapustin, A	A	A	P
			20	Kitaev, A	A	A	P
			21	Oguri, H	A	A	P
			22	Tamuz, O	A	A	P
			23	Cvitanić, J	A	A	P
			24	Owhadi, H	A	A	P
			25	Yu, T	A	A	P
			MECHANICAL ENGINEERING				
ME 011C	3-0-6	Thermal Science	01	Shepherd, J	MWF 14:00 - 14:55	135 GTL	G
ME 012C	3-0-6	Mechanics	01	Mello, M	TR 13:00 - 14:25	135 GTL	G
ME 014	3-5-1	Design and Fabrication <i>Maximum enrollment: 45 students // Limited to ME or Ae students // Not open to freshmen</i>	01	Stovall, P / Mello, M	TR 14:30 - 15:55	135 GTL	G

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MECHANICAL ENGINEERING							
ME 023	0-4-0	CNC Machining <i>Open by application only // apply at https://registrar.caltech.edu/ME23-123SP2022</i>	01	Stovall, P	OM,W 15:00 - 15:55	B224 SPL	P
ME 050B	0-6-3	Experiments and Modeling in Mechanical Engineering	01	Mello, M	MW 10:30 - 11:55	135 GTL	G
ME 090C	0-9-0	Senior Thesis, Experimental	01	Minnich, A	A	A	G
ME 100	+	Independent Studies in Mechanical Engineering	01	Kochmann, D	A	A	P
			02	Hunt, M	A	A	P
			03	Burdick, J	A	A	P
			04	Blanquart, G	A	A	P
			05	Minnich, A	A	A	P
			06	Scherer, A	A	A	P
			07	Colonus, T	A	A	P
			08	Murray, R	A	A	P
			09	Mawet, D	A	A	P
			10	Perona, P	A	A	P
			11	Doyle, J	A	A	P
			12	Daraio, C	A	A	P
			13	Ames, A	A	A	P
			14	Mello, M	A	A	P
			15	McKeon, B	A	A	P
			16	Fu, X	A	A	P
Ae/APh/CE/ME 101C	3-0-6	Fluid Mechanics	01	Austin, J	MWF 10:00 - 10:55	133 GUG	G
Ae/AM/CE/ME 102C	3-0-6	Mechanics of Structures and Solids	01	Muthiramalil Ravindran, S	MWF 09:00 - 09:55	135 GTL	G
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Murray, R	A	A	P
			02	Burdick, J	A	A	P
			03	Ames, A	A	A	P
			05	Ravichandran, G	A	A	P

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MECHANICAL ENGINEERING							
ME 110	+	Special Laboratory Work in Mechanical Engineering	06	Shepherd, J	A	A	P
			07	Scherer, A	A	A	P
			08	Chung, S	A	A	P
ME 123	0-4-0	CNC Machining <i>Open by application only // Apply at</i> <i>https://registrar.caltech.edu/ME23-123SP2022</i>	01	Stovall, P	OM,W 15:00 - 15:55	B224 SPL	P
ME/CS/EE 129	1-7-1	Experimental Robotics	01	Niemeyer, G	MWF 13:00 - 13:55	135 GTL	
AM/CE/ME 150C	1-0-0	Graduate Engineering Seminar	01	Lapusta, N	R 11:00 - 11:55	135 GTL	P
MS/ME 166	3-0-6	Fracture of Brittle Solids	01	Faber, K	TR 10:30 - 11:55	104 WAT	
ME/CS/EE 169	1-7-1	Mobile Robots	01	Niemeyer, G	MWF 15:00 - 15:55	135 GTL	
ME 200	+	Advanced Work in Mechanical Engineering	01	Lapusta, N	A	A	P
			02	Ravichandran, G	A	A	P
			03	Burdick, J	A	A	P
			05	Bhattacharya, K	A	A	P
ME/CDS/EE 234B	3-3-3	Advanced Robotics	01	Burdick, J	WR 16:00 - 16:55	115 GTL	
					F 14:00 - 14:55	115 GTL	
AM/CE/ME 252	2-1-6	Linear and Nonlinear Waves in Structured Media <i>class cancelled</i>	01	Daraio, C	A	A	
ME/Ge/Ae 266A	3-0-6	Dynamic Fracture and Frictional Faulting <i>class cancelled</i>	01	Lapusta, N	A	A	
ME 300	+	Research in Mechanical Engineering	01	Ames, A	A	A	P
			02	Bellan, P	A	A	P
			03	Bhattacharya, K	A	A	P
			04	Burdick, J	A	A	P
			05	Colonus, T	A	A	P
			06	Adkins, J	A	A	P

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ME 300	+	Research in Mechanical Engineering	07	Gharib, M	A	A	P
			08	Kochmann, D	A	A	P
			09	Stuart, A	A	A	P
			10	Hunt, M	A	A	P
			11	Lapusta, N	A	A	P
			12	Leonard, A	A	A	P
			13	Murray, R	A	A	P
			14	Ortiz, M	A	A	P
			15	Shepherd, J	A	A	P
			16	Avouac, J	A	A	P
			17	Brady, J	A	A	P
			18	Scherer, A	A	A	P
			19	Troian, S	A	A	P
			20	Greer, J	A	A	P
			21	Daraio, C	A	A	P
			22	Dickinson, M	A	A	P
			23	Ravichandran, G	A	A	P
			24	Atwater, H	A	A	P
			25	Fultz, B	A	A	P
			26	Blanquart, G	A	A	P
			27	Andrade, J	A	A	P
			28	McKeon, B	A	A	P
			29	Hoffmann, M	A	A	P
			30	Asimaki, D	A	A	P
			31	Minnich, A	A	A	P
			32	Lewis, N	A	A	P
			33	Schneider, T	A	A	P
			34	Pachter, L	A	A	P
			35	Rosakis, A	A	A	P
			36	Dabiri, J	A	A	P
			37	Chung, S	A	A	P
			38	Ismagilov, R	A	A	P
			39	Fu, X	A	A	P

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MECHANICAL ENGINEERING							
ME 300	+	Research in Mechanical Engineering	40	Bae, H	A	A	P
MEDICAL ENGINEERING							
MedE 099	+	Undergraduate Research in Medical Engineering	01	Gao, W	A	A	P
			02	Shapiro, M	A	A	P
			03	Wang, L	A	A	P
MedE 100C	1-0-0	Medical Engineering Seminar	01	Tai, Y / Gao, W	R 16:00 - 16:55	105 ANB	P
EE/CS/MedE 125	3-6-0	Digital Electronics and Design with FPGAs and VHDL	01	Pedroni, V	OM,T 16:00 - 16:55	REMOTE	
MedE/EE/BE 168B	4-0-5	Biomedical Optics: Principles and Imaging	01	Wang, L	WF 15:30 - 17:25	142 KCK	
EE/CS/MedE 175	3-6-0	Digital Circuits Analysis and Design with Complete VHDL and RTL Approach <i>class cancelled</i>	01	Pedroni, V	A	A	
BE/EE/MedE 189A	3-6-3	Design and Construction of Biodevices <i>maximum enrollment: 20 students // contact instructor if class is full</i>	01	Yang, C	TR 14:30 - 15:55	B127 KRK	
BE/EE/MedE 189B	0-9-0	Design and Construction of Biodevices	01	Yang, C	TR 14:30 - 15:55	B127 KRK	
MedE 201B	3-0-6	Principles and Design of Medical Devices <i>class will focus on Neural Medical Devices</i>	01	Gao, W / Tai, Y	MW 13:00 - 14:25	142 KCK	G
MedE 205	2-0-4	New Frontiers in Medical Technologies	01	Nikzad, S	TR 11:00 - 11:55	142 KCK	P
MedE 291	+	Research in Medical Engineering	01	Burdick, J	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

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MEDICAL ENGINEERING							
MedE 291	+	Research in Medical Engineering	07	Greer, J	A	A	P
			08	Hajimiri, S	A	A	P
			09	Scherer, A	A	A	P
			10	Tai, Y	A	A	P
			11	Yang, C	A	A	P
			12	Chandy, K	A	A	P
			13	Pickar, K	A	A	P
			14	Colonus, T	A	A	P
			16	Ismagilov, R	A	A	P
			17	Shapiro, M	A	A	P
			18	Wang, L	A	A	P
			19	Gradinaru, V	A	A	P
			20	Daraio, C	A	A	P
			21	Kornfield, J	A	A	P
			22	Pachter, L	A	A	P
			23	Thomson, M	A	A	P
MUSIC							
Mu 059	3-0-6	Harmony II <i>maximum enrollment: 20 students</i>	01	Brown, R	MW 11:00 - 12:25	B133 BAX	
Mu 139	3-0-6	History III: Music History from 1850 to the Present <i>maximum enrollment: 25 students</i>	01	Brown, R	MW 14:00 - 15:25	B133 BAX	
NEUROBIOLOGY							
NB/Bi/CNS 150	4-0-6	Introduction to Neuroscience	01	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 14:00 - 14:55	100 CNRB 101 KRK	G
			02	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 11:00 - 11:55	100 CNRB 152 BRN	G
			03	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 20:00 - 20:55	100 CNRB 101 KRK	G
			04	Adolphs, R / Lester, H	MWF 10:00 - 10:55 R 19:00 - 19:55	100 CNRB 101 KRK	G

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NEUROBIOLOGY							
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Meister, M / Rutishauser, U	TR 10:30 - 11:55	B180 BBB	
NB/Bi/CNS 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	340A CNRB	
Bi/BE/CNS/NB 241	1-8-0	Spatial Genomics <i>class cancelled</i>	01	Cai, L	A	A	
NB/Bi/CNS 250C	3-0-6	Topics in Systems Neuroscience	01	Siapas, A	W 14:00 - 16:55	100 CNRB	
NB 299	+	Graduate Research	01	Adolphs, R	A	A	P
			02	Allman, J	A	A	P
			03	Andersen, R	A	A	P
			04	Anderson, D	A	A	P
			05	Bronner Hansen, M	A	A	P
			06	Dickinson, M	A	A	P
			07	Gradinaru, V	A	A	P
			08	Hong, E	A	A	P
			09	Kennedy, M	A	A	P
			10	Lester, H	A	A	P
			11	Lois, C	A	A	P
			12	Meister, M	A	A	P
			13	Oka, Y	A	A	P
			14	Prober, D	A	A	P
			15	Roukes, M	A	A	P
			16	Shapiro, M	A	A	P
			17	Shimojo, S	A	A	P
			18	Siapas, A	A	A	P
			19	Sternberg, P	A	A	P
			20	Tsao, D	A	A	P
			21	Wagenaar, D	A	A	P
			22	Zinn, K	A	A	P
			23	Parker, J	A	A	P
			24	Yue, Y	A	A	P

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PERFORMING AND VISUAL ARTS							
PVA030C	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	Fr Rehearsal Hall HAM	P
			02	Elgart, M	T 15:30 - 16:25	Fr Rehearsal Hall HAM	P
			03	Elgart, M	T 17:30 - 18:25	Fr Rehearsal Hall HAM	P
PVA031C	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano Four-Hands // Sec 3: Guitar Ensemble</i>	01	Jasper White, M	OM,A	Fr Rehearsal Hall HAM	P
			02	Ward, R	OM,A	Fr Rehearsal Hall HAM	P
			03	Elgart, M	OM,A	Fr Rehearsal Hall HAM	P
PVA032C	0-3-0	Symphony Orchestra	01	Price, G	T 19:30 - 22:15	Fr Rehearsal Hall HAM	P
PVA033C	0-3-0	Wind Orchestra	01	Price, G	R 19:30 - 21:45	Fr Rehearsal Hall HAM	P
PVA034C	0-3-0	Jazz Band/Jazz Improvisation	01	Catlin, B	W 19:15 - 20:55	Fr Rehearsal Hall HAM	P
					W 21:15 - 22:45	Fr Rehearsal Hall HAM	
PVA035C	0-3-0	Glee Club	01	Sulahian, N	M 19:00 - 20:25	Fr Rehearsal Hall HAM	P
					W 17:05 - 18:35	Fr Rehearsal Hall HAM	
PVA037C	0-3-0	Chamber Singers	01	Sulahian, N	M 20:40 - 21:55	Fr Rehearsal Hall HAM	P
PVA040C	2-0-1	Long Form Storytelling	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA041C	2-0-1	Storytelling for Scientists	01	Brophy, B	W 19:00 - 20:25	Ramo Auditorium BAX	P
PVA042C	2-0-1	Improvisation for Scientists	01	Brophy, B	W 20:30 - 21:55	Ramo Auditorium BAX	P
PVA061C	0-3-0	Silkscreen and Silk Painting <i>max enrollment: 16 students</i>	01	Barry, J	M 19:00 - 21:55	Garage TCT	P

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PERFORMING AND VISUAL ARTS							
PVA062C	0-3-0	Drawing and Painting <i>maximum enrollment: 18 students per section</i>	01	Barry, J	T 19:00 - 21:55	Garage TCT	P
			02	Barry, J	W 19:00 - 21:55	Garage TCT	P
PVA063C	0-3-0	Ceramics <i>maximum enrollment: 10 students</i>	01	Plunkett, L	R 19:00 - 21:55	POLY	P
PHILOSOPHY							
Hum/PI 039	3-0-6	Ancient Greek Philosophy <i>Attendance at first class meeting is required. // maximum enrollment: 15 students</i>	01	Hubert, M	TR 14:30 - 15:55	B133 BAX	
Hum/PI 044	3-0-6	Philosophy Through Science Fiction <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students per section</i>	01	Sebens, C	TR 09:00 - 10:25	125 BAX	
			02	Sebens, C	TR 14:30 - 15:55	B119 BAX	
PI 090B	1-0-8	Senior Thesis <i>Instructor permission required prior to registering</i>	01	Staff	A	A	
PI 098	+	Reading in Philosophy	01	Hitchcock, C	A	A	P
			02	Pham, A	A	A	P
			03	Sebens, C	A	A	P
PI/Law 099	3-0-6	Causation and Responsibility <i>maximum enrollment: 15 students</i>	01	Hitchcock, C	TR 13:00 - 14:25	TR DAB	
HPS/PI 125	3-0-6	Philosophical Issues in Quantum Physics <i>maximum enrollment: 15 students</i>	01	Hubert, M	TR 10:30 - 11:55	127 BAX	
PHYSICAL EDUCATION							
PE 001	3-0-0	Wellness <i>maximum enrollment: 18 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	Reyes, B	TR 10:30 - 11:55	BAC	P
PE 003	3-0-0	Hiking <i>may only be taken once // maximum enrollment:</i>	01	Brabson, A	F 09:00 - 12:55	BAC	P

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PHYSICAL EDUCATION							
PE 006	3-0-0	Core Training, Beginning/Intermediate <i>maximum enrollment: 18 students</i>	01	Harvey, N	MWF 10:00 - 10:55	BAC	P
PE 010	3-0-0	Aerobic Dance <i>maximum enrollment: 12 students</i>	01	Waterman, D	MW 15:00 - 16:25	BAC	P
PE 024	3-0-0	Yoga, Beginning <i>maximum enrollment: 15 students per section</i>	01	Chiang, N	MW 11:00 - 12:25	BAC	P
			02	Chiang, N	TR 09:00 - 10:25	BAC	P
PE 029	3-0-0	Outdoor Lawn Games <i>maximum enrollment: 18 students</i>	01	Jordan, J	TR 13:00 - 14:25	BAC	P
PE 036	3-0-0	Swimming, Beginning/Intermediate <i>Intermediate level // maximum enrollment: 8 students</i>	01	Brabson, A	MW 13:00 - 14:25	BAC	P
PE 048	3-0-0	T'ai-Chi Ch'uan, Beginning and Intermediate <i>maximum enrollment: 12 students</i>	01	Eslinger, O	TR 09:00 - 10:25	BAC	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate <i>maximum enrollment: 15 students</i>	01	Bonafede, J	TR 10:30 - 11:55	BAC	P
PE 060	3-0-0	Tennis, Beginning and Intermediate <i>Beginning level // maximum enrollment: 16 students</i>	01	Cohen, J	TR 13:00 - 14:25	BAC	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate <i>Sec 1: Beginning, max enrollment: 15 students</i> <i>// Sec 2: Intermediate, max enrollment: 18 students</i>	01	Gardner, T	MW 10:00 - 11:25	BAC	P
			02	Gillis, D	MW 13:00 - 14:25	BAC	P
PE 084	3-0-0	Table Tennis, Beginning, Intermediate, and Advanced <i>maximum enrollment: 16 students</i>	01	Whitehead, K	MW 10:00 - 11:25	BAC	P
PE 085B	3-0-0	Intercollegiate Track and Field Teams <i>Open to NCAA eligible students only // men and women</i>	01	Blake, K	MTWRFS 16:00 - 17:55	BAC	P
PE 090C	3-0-0	Intercollegiate Water Polo Teams <i>Open to NCAA eligible students only // men and women</i>	01	Bonafede, J	MTWRFS 16:00 - 17:55	BAC	P

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PHYSICAL EDUCATION							
PE 093B	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 095B	3-0-0	Intercollegiate Tennis Teams <i>Open to NCAA eligible students only // men and women</i>	01	Gamble, M / Cohen, J	MTWRFS 16:00 - 17:55	BAC	P
PHYSICS							
Ph 001C	4-0-5	Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track // Sections 6-10 Analytical Track</i>	01	Refael, G	WF 15:00 - 15:55	201 BRG	
					MR 13:00 - 13:55	269 LAU	
			02	Refael, G	WF 15:00 - 15:55	201 BRG	
					MR 15:00 - 15:55	102 STL	
			03	Refael, G	WF 15:00 - 15:55	201 BRG	
					MR 11:00 - 11:55	107 DWN	
			04	Refael, G	WF 15:00 - 15:55	201 BRG	
					MR 15:00 - 15:55	310 LINDE	
			05	Refael, G	WF 15:00 - 15:55	201 BRG	
					MR 13:00 - 13:55	107 DWN	
Ph 001C	4-0-5	Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track // Sections 6-10 Analytical Track</i>	06	Hsieh, D	WF 11:00 - 11:55	201 BRG	
					MR 15:00 - 15:55	Hameetman Aud CHL	
			07	Hsieh, D	WF 11:00 - 11:55	201 BRG	
					MR 16:00 - 16:55	107 DWN	
			08	Hsieh, D	WF 11:00 - 11:55	201 BRG	
					MR 15:00 - 15:55	107 DWN	
			09	Hsieh, D	WF 11:00 - 11:55	201 BRG	
					MR 13:00 - 13:55	102 STL	
			10	Hsieh, D	WF 11:00 - 11:55	201 BRG	
					MR 15:00 - 15:55	REMOTE	
Ph 002C	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Adhikari, R	TR 11:00 - 11:55	269 LAU	
					WF 11:00 - 11:55	107 DWN	
			02	Adhikari, R	TR 11:00 - 11:55	269 LAU	
					WF 13:00 - 13:55	269 LAU	
			03	Adhikari, R	TR 11:00 - 11:55	269 LAU	

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PHYSICS							
Ph 002C	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	03	Adhikari, R	WF 15:00 - 15:55	107 DWN	
Ph 003	0-3-3	Introductory Physics Laboratory <i>Maximum enrollment: 10 students per section</i>	01	Black, E / Libbrecht, K	M 13:00 - 15:55	308 BRG	
			02	Black, E / Libbrecht, K	T 13:00 - 15:55	308 BRG	
			03	Black, E / Libbrecht, K	W 13:00 - 15:55	308 BRG	
			04	Black, E / Libbrecht, K	R 13:00 - 15:55	308 BRG	
			05	Black, E / Libbrecht, K	F 13:00 - 15:55	308 BRG	
Ph 007	0-9-0	Physics Laboratory	01	Rice, F / Politzer, H	T 16:00 - 16:55	201 BRG	
Ph 008C	0-3-0	Experiments in Electromagnetism	01	Spiropulu, M	A	A	P
FS/Ph 011C	2-0-4	Freshman Seminar: Beyond Physics	01	Phillips, R	A	A	P
Ph 012C	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Patterson, R	TR 10:30 - 11:55	201 BRG	G
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	387 LINDE	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	387 LINDE	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Weinstein, A	OM,M 15:00 - 15:55	387 LINDE	P
Ph 070	2-0-4	Oral and Written Communication <i>maximum enrollment: 9 students</i>	01	Hitlin, D	T 14:00 - 15:55	469 LAU	G
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	

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PHYSICS							
Ph 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 078C	9-0-0	Senior Thesis (Experiment)	01	Libbrecht, K	A	A	G
Ph 079C	+	Senior Thesis (Theory)	01	Libbrecht, K	A	A	P
Ay/Ph 104	3-0-6	Relativistic Astrophysics	01	Kasliwal, M	TR 13:00 - 14:25	Hameetman Aud CHL	
Ph 106C	4-0-5	Topics in Classical Physics	01	Golwala, S	MWF 11:00 - 11:55	269 LAU	
APh/Ph 112B	3-0-6	Noise and Stochastic Resonance	01	Troian, S	TR 13:00 - 14:25	170 WAT	
Ph 121C	0-6-0	Computational Physics Lab	01	Motrunich, O	TR 10:30 - 11:25 OM,T 10:30 - 11:25	187 LINDE 187 LINDE	P
Ph 125C	4-0-5	Quantum Mechanics	01	Chen, Y	MWF 10:00 - 10:55	201 BRG	P
APh/Ph 138B	3-0-6	Quantum Hardware and Techniques	01	Faraon, A / Minnich, A	TR 09:00 - 10:25	B280 MRE	P
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
			07	Zurek, K	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P

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PHYSICS							
Ph 171	+	Reading and Independent Study	12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Martin, C	A	A	P
			28	Mawet, D	A	A	P
			29	Motrunich, O	A	A	P
			30	Nad Perge, S	A	A	P
			31	Newman, H	A	A	P
			32	Oguri, H	A	A	P
			33	Painter, O	A	A	P
			34	Patterson, R	A	A	P
			35	Phillips, R	A	A	P
			36	Phinney, E	A	A	P
			37	Politzer, H	A	A	P
			38	Porter, F	A	A	P
			39	Preskill, J	A	A	P
			40	Prince, T	A	A	P
			41	Refael, G	A	A	P
			42	Rosenbaum, T	A	A	P
			43	Roukes, M	A	A	P
			44	Scherer, A	A	A	P

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PHYSICS							
Ph 171	+	Reading and Independent Study	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	Rice, F	A	A	P
			58	Fuller, J	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	Kirby, E	A	A	P
			15	Knutson, H	A	A	P
			16	Libbrecht, K	A	A	P
			17	Martin, C	A	A	P
			18	Mawet, D	A	A	P
			19	Nad Perge, S	A	A	P

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PHYSICS							
Ph 172	+	Research in Physics	20	Newman, H	A	A	P
			21	Oguri, H	A	A	P
			22	Painter, O	A	A	P
			23	Patterson, R	A	A	P
			24	Phillips, R	A	A	P
			25	Porter, F	A	A	P
			26	Prince, T	A	A	P
			27	Rosenbaum, T	A	A	P
			28	Roukes, M	A	A	P
			29	Scherer, A	A	A	P
			30	Schwab, K	A	A	P
			31	Spiropulu, M	A	A	P
			32	Stone, E	A	A	P
			33	Weinstein, A	A	A	P
			34	Yeh, N	A	A	P
			35	Zmuidzinas, J	A	A	P
			36	Yue, Y	A	A	P
			37	Bellan, P	A	A	P
			38	Wise, M	A	A	P
			39	Bernardi, M	A	A	P
			40	Chen, X	A	A	P
			41	Chen, Y	A	A	P
			42	Cheung, C	A	A	P
			43	Guadalupe Dos Santos	A	A	P
			44	Lins Brandao, F	A	A	P
			45	Gukov, S	A	A	P
			46	Hopkins, P	A	A	P
			47	Kapustin, A	A	A	P
			48	Preskill, J	A	A	P
			49	Refael, G	A	A	P
			50	Simmons-Duffin, D	A	A	P
51	Ravi, V	A	A	P			
	Zurek, K	A	A	P			

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PHYSICS							
Ph 172	+	Research in Physics	52	Faraon, A	A	A	P
			53	Alicea, J	A	A	P
			54	Chan, G	A	A	P
			55	Teukolsky, S	A	A	P
			56	Chatziaoannou, K	A	A	P
			57	Bradford, C	A	A	P
			58	Dore, O	A	A	P
			59	Bellan, P	A	A	P
			60	Thomson, M	A	A	P
			Ph 177	0-4-5	Advanced Experimental Physics	01	Rice, F / Hutzler, N
CNS/Bi/Ph/CS/NB 187	3-0-6	Neural Computation	01	Meister, M / Rutishauser, U	TR 10:30 - 11:55	B180 BBB	
Ph 201	3-0-6	Candidacy Physics Fitness	01	Endres, M	F 14:30 - 16:25	469 LAU	P
Ph 205C	3-0-6	Relativistic Quantum Field Theory	01	Wise, M	MW 10:30 - 11:55	103 DWN	P
Ph/CS 219C	3-0-6	Quantum Computation	01	Preskill, J	MW 14:30 - 15:55	269 LAU	P
Ph/APh 223B	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	MW 09:00 - 10:25	103 DWN	
Ph 229B	3-0-6	Advanced Mathematical Methods of Physics	01	Kapustin, A	TR 10:30 - 11:55	469 LAU	P
Ph 230B	3-0-6	Elementary Particle Theory	01	Gukov, S	MW 09:00 - 10:25	469 LAU	
Ph 237	3-0-6	Gravitational Waves	01	Chen, Y	TR 14:30 - 15:55	103 DWN	
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P

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PHYSICS							
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
			07	Carroll, S	A	A	P
			08	Chen, X	A	A	P
			09	Chen, Y	A	A	P
			10	Cheung, C	A	A	P
			11	Eisenstein, J	A	A	P
			12	Endres, M	A	A	P
			13	Filippone, B	A	A	P
			14	Golwala, S	A	A	P
			15	Gukov, S	A	A	P
			16	Harrison, F	A	A	P
			17	Hitlin, D	A	A	P
			18	Hopkins, P	A	A	P
			19	Hsieh, D	A	A	P
			20	Hunt, M	A	A	P
			21	Hutzler, N	A	A	P
			22	Kapustin, A	A	A	P
			23	Kimble, H	A	A	P
			24	Kitaev, A	A	A	P
			25	Knutson, H	A	A	P
			26	Libbrecht, K	A	A	P
			27	Marcolli, M	A	A	P
			28	Martin, C	A	A	P
			29	Mawet, D	A	A	P
			30	Motrunich, O	A	A	P
			31	Nad Perge, S	A	A	P
			32	Newman, H	A	A	P
			33	Oguri, H	A	A	P
			34	Painter, O	A	A	P

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PHYSICS							
Ph 300	+	Thesis Research	35	Patterson, R	A	A	P
			36	Phillips, R	A	A	P
			37	Phinney, E	A	A	P
			38	Politzer, H	A	A	P
			39	Porter, F	A	A	P
			40	Preskill, J	A	A	P
			41	Prince, T	A	A	P
			42	Refael, G	A	A	P
			43	Rosenbaum, T	A	A	P
			44	Roukes, M	A	A	P
			45	Scherer, A	A	A	P
			46	Schwab, K	A	A	P
			47	Schwarz, J	A	A	P
			48	Scoville, N	A	A	P
			49	Simmons-Duffin, D	A	A	P
			50	Spiropulu, M	A	A	P
			51	Stone, E	A	A	P
			52	Teukolsky, S	A	A	P
			53	Troian, S	A	A	P
			54	Weinstein, A	A	A	P
			55	Wise, M	A	A	P
56	Yeh, N	A	A	P			
57	Yue, Y	A	A	P			
58	Zmuidzinas, J	A	A	P			
59	Ravi, V	A	A	P			
60	Chatziioannou, K	A	A	P			
POLITICAL SCIENCE							
PS 012	3-0-6	Introduction to Political Science <i>maximum enrollment: 54 students</i>	01	Kiewiet, D	W 19:30 - 21:25	B125 BAX	
PS 097	+	Undergraduate Research <i>Instructor permission required prior to registering</i>	01	Staff	A	A	P

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POLITICAL SCIENCE							
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	Alvarez, R	A	A	
PS 120	3-0-6	American Electoral Behavior and Party Strategy <i>Designated as Writing Intensive Course</i>	01	Alvarez, R	MW 10:30 - 11:55	127 BAX	G
PS 122	3-0-6	Political Representation	01	Gibilisco, M	M 19:00 - 21:55	B125 BAX	
An/PS 127	3-0-6	Corruption <i>maximum enrollment: 12 students // class closed - contact instructor for waitlist</i>	01	Ensminger, J	MW 14:30 - 15:55	128 BAX	G
PS 139	3-0-6	Comparative Politics	01	Lopez-Moctezuma Jassan, G	MW 09:00 - 10:25	125 BAX	G
PS 141B	3-0-6	A History of Budgetary Politics in the United States <i>designated as Writing Intensive course // maximum enrollment: 75 students</i>	01	Kiewiet, D	T 14:30 - 15:55	B125 BAX	G
Ec/PS 160C	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Completion of Ec/PS 160AB required.//Maximum enrollment: 10 students</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
PS/Ec 172	3-0-6	Game Theory	01	Tamuz, O	TR 13:00 - 14:25	Lecture Hall BAX	
PSYCHOLOGY							
Psy013	3-0-6	Introduction to Cognitive Neuroscience <i>maximum enrollment: 100 students</i>	01	Mobbs, D	TR 10:30 - 11:55	Lecture Hall BAX	

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PSYCHOLOGY							
CNS/Psy/Bi 102B	3-0-6	Brains, Minds, and Society <i>maximum enrollment: 20 students</i>	01	Camerer, C	TR 13:00 - 14:25	B119 BAX	
Psy/Bi/CNS 255	3-0-6	Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i>	01	Mobbs, D	W 10:00 - 12:55	228 BAX	
Psy283C	1.5-0-1.5	Graduate Proseminar in Social and Decision Neuroscience <i>this course is only open to graduate students in the Social and Decision Neuroscience, Computational and Neural Systems and Social Science PhD programs</i>	01	O'Doherty, J	T 14:30 - 15:55	101 SCH	P
SCIENTIFIC AND ENGINEERING COMMUNICATION							
SEC010	3-0-0	Technical Seminar Presentations <i>Open to E&AS Seniors only // Maximum enrollment: 18 students per section // to be added to the waitlist after class fills, go to http://registrar.caltech.edu/SEC10WaitlistForm</i>	01	Javier, R	MWF 09:00 - 09:55	100 PWL/BTH	G
			02	Javier, R	MWF 10:00 - 10:55	100 PWL/BTH	G
			03	Dabiri, M	MWF 11:00 - 11:55	B270 MRE	G
SEC011	1-0-2	Written Academic Communication in Engineering and Applied Science <i>Open to E&AS seniors only // Maximum enrollment: 20 students // to be added to waitlist go to http://registrar.caltech.edu/SEC11-12-13WaitlistForm</i>	01	Meyer, V	R 12:00 - 12:55	104 WAT	G
SEC012	1-0-2	Written Professional Communication in Engineering and Applied Science <i>Open to E&AS seniors only // Maximum enrollment: 20 students // to be added to waitlist go to http://registrar.caltech.edu/SEC11-12-13WaitlistForm</i>	01	Alex, B	F 13:00 - 13:55	104 WAT	G
SEC013	1-0-2	Written Communication about Engineering and Applied Science to Non-Specialists <i>Open to E&AS seniors only // Maximum enrollment: 20 students per section // to be added</i>	01	Burkett, E	W 11:00 - 11:55	104 WAT	G
			02	Alex, B	W 13:00 - 13:55	104 WAT	G

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SCIENTIFIC AND ENGINEERING COMMUNICATION							
E/SEC 102	3-0-6	Scientific and Technology Entrepreneurship <i>maximum enrollment: 40 students // juniors and above only</i>	01	Wilson, N	F 13:00 - 15:55	128 BAX	G
E/SEC 103	3-0-6	Management of Technology <i>class cancelled</i>	01	Murray, R	A	A	
SEC111	3-0-3	Effective Communication Strategies for Engineers and Scientists <i>Limited to 18 students, by application only. Priority given to EAS grad students. To apply, go to http://registrar.caltech.edu/SEC111application // class cancelled for spring term, likely to be taught fall term</i>	01	Javier, R	A	A	G
SOCIAL SCIENCE							
SS 201C	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i>	01	Pomatto, L	TR 10:30 - 11:55	B125 BAX	G
SS 202C	3-0-6	Political Theory <i>Open to Social Science graduate students only.</i>	01	Lopez-Moctezuma Jassan, G	TR 13:00 - 14:25	127 BAX	G
SS 205C	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Pourbabae, M	MW 10:30 - 11:55	125 BAX	G
SS 211C	3-0-6	Advanced Economic Theory	01	Saito, K	MW 14:30 - 15:55	125 BAX	G
SS 212C	3-0-6	Experimental Economics	01	Agranov, M	MW 09:00 - 10:25	127 BAX	G
SS 222C	3-0-6	Econometrics	01	Sherman, R	MW 13:00 - 14:25	127 BAX	G
SS 223C	3-0-6	Topics in Theoretical and Applied Econometrics <i>Open to graduate students only</i>	01	Xin, Y	R 09:00 - 11:55	237 BAX	G
SS 228B	3-0-6	Applied Empirical Methods in the Social Sciences	01	Ewens, M	MW 13:00 - 14:25	228 BAX	G

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SOCIAL SCIENCE							
SS 229B	3-0-6	Theoretical and Quantitative Dimensions of Historical Development <i>maximum enrollment: 10 students</i>	01	Rosenthal, J	MWF 10:00 - 10:55	237 BAX	G
SS 260	3-3-3	Experimental Methods of Political Economy	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
SS 282C	1.5-0-1.5	Graduate Proseminar in Social Science	01	Lopez-Moctezuma Jassan, G	M 14:30 - 15:55	B125 BAX	P
SS 300	+	Research in Social Science	01	Cvitanic, J	A	A	P
			03	Echenique, F	A	A	P
			04	Hoffman, P	A	A	P
			05	Jin, J	A	A	P
			06	Katz, J	A	A	P
			07	Hoffman, P	A	A	P
			08	Tamuz, O	A	A	P
			09	Camerer, C	A	A	P
			10	Lester, H	A	A	P
			11	Palfrey, T	A	A	P
			12	Kiewiet, D	A	A	P
			13	Wilkie, S	A	A	P
			14	Alvarez, R	A	A	P
			15	Plott, C	A	A	P
			16	Hirsch, A	A	A	P
			17	Agranov, M	A	A	P
			18	Rosenthal, J	A	A	P
			19	Shum, M	A	A	P
			20	Rangel, A	A	A	P
			21	Yariv, L	A	A	P
			22	Gillen, B	A	A	P
			23	O'Doherty, J	A	A	P
			24	Perona, P	A	A	P
			25	Adolphs, R	A	A	P
			26	Shimojo, S	A	A	P

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SOCIAL SCIENCE							
SS 300	+	Research in Social Science	27	Jin, J	A	A	P
			28	Mobbs, D	A	A	P
			29	Sprenger, C	A	A	P
			30	Nielsen, K	A	A	P
			31	Ewens, M	A	A	P
STUDENT ACTIVITIES							
SA 042	0-2-2	Computer Science Education in K-14 Settings Practicum	01	Wierman, A / Ralph, C	F 12:00 - 14:55	106 ANB	P
SA 080C	1-1-1	Health Advocates <i>maximum enrollment: 24 students per section</i>	01	Stapf, M	W 19:00 - 21:55	132 YHC	P
			02	Stapf, M	R 19:00 - 21:55	132 YHC	P
SA 081A	1-1-1	Peer Advocates <i>open only to Peer Advocates // maximum enrollment: 40 students</i>	01	Coleman, L / Tejada, V	R 19:00 - 20:55	269 LAU	P
STUDY ABROAD							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
VISUAL CULTURE							
Hum/VC 050	3-0-6	Introduction to Film <i>Attendance at first class meeting is required. // maximum enrollment: 15 students // class closed - see instructor for waitlist</i>	01	Jurca, C	TR 14:30 - 15:55	125 BAX	
VC 053	3-0-3	Making Data Visual <i>taught concurrently with CS 163 // maximum enrollment: 14 students between VC 53 and CS 163</i>	01	Slavick, E	W 19:00 - 21:55	128 BAX	
VC 060	3-0-3	Art/Media <i>class closed</i>	01	Mushkin, H	A	A	P

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VISUAL CULTURE							
E/VC 088	3-0-6	Critical Making <i>maximum enrollment: 20 students</i>	01	Mushkin, H	T 19:00 - 21:55	130 CNRB	
VC 090	+	Reading in Visual Culture	01	Decemvirale, J	A	A	P
VC/H 102	3-0-6	Looking East/Looking West <i>maximum enrollment: 15 students // priority given to VC and H minors</i>	01	Clark, C	TR 10:30 - 11:55	B133 BAX	G
En/VC 129	3-0-6	Literature/Photography/Facticity <i>maximum enrollment: 15 students</i>	01	Hill, A	TR 10:30 - 11:55	228 BAX	
En/VC 161	3-0-6	The New Hollywood <i>maximum enrollment: 15 students // class closed, see instructor for waitlist</i>	01	Jurca, C	TR 10:30 - 11:55	B119 BAX	
VC 171	3-0-6	Arts of Buddhism <i>maximum enrollment: 15 students</i>	01	Wolfgram, J	MWF 11:00 - 11:55	128 BAX	
WRITING							
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P
En/Wr 084	3-0-6	Communicating Science to Non-Experts <i>maximum enrollment: 15 students // graduate students can only enroll with instructor's permission</i>	01	Sherazi, M	TR 10:30 - 11:55	117 DAB	
ESL/Wr 107	3-0-3	Fundamentals of Scientific Writing <i>maximum enrollment: 15 students</i>	01	Manoukian, N	TR 15:30 - 16:55	121 BCK	P