

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


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ANB	Annenberg Center for Information Science and Technology	KAR	Karman Laboratory
ARM	Arms Laboratory of Geological Sciences	KCK	Keck Engineering Laboratory
AVE	Avery House	KLK	Kellogg Radiation Laboratory
BAC	Braun Athletic Center	KRK	Kerckhoff Laboratory of Biological Sciences
BAX	Baxter Hall of Humanities and Social Services	KSP	Keith Spaulding Building
BBB	Beckman Laboratory of Behavioral Biology	L+R	Linde + Robinson Laboratory for Global Environmental Science
BCK	Beckman Institute	LAU	Lauritsen Physics Laboratory
BRD	Broad Center	LINDE	Ronald and Maxine Linde Hall of Mathematics and Physics
BRG	Bridge Laboratory of Physics	MEAD	Undergraduate Chemistry Laboratory
BRN	Braun Laboratory	MRE	Moore Laboratory
BRW	Brown Gym	NMD	North Mudd Building of Geological Sciences
CHL	Cahill Center for Astronomy and Astrophysics	NYS	Noyes Laboratory of Chemical Physics
CHR	Church Laboratory of Chemical Biology	NewMedia	NewMedia Classroom
CRL	Crellin Chemistry Laboratory	POLY	Polytechnic School
CSS	Center for Student Services	PWL/BTH	Powell/Booth Laboratory
DAB	Dabney Hall of Humanities	SAC	Student Activities Center
DWN	Downs Physics Laboratory	SCH	Schlinger Laboratory
DWN/LAU	Downs Lauritsen	SFL	Sherman Fairchild Library
FIR	Firestone Flight Science Laboratory	SMD	South Mudd Building of Geophysics and Planetary Sciences
GCL	Gates Chemical Laboratory	SPL	Spaulding Laboratory of Chemical Engineering
GTL	Gates-Thomas Engineering Laboratory	STL	Steele Laboratory of Electrical Engineering
GUG	Guggenheim Laboratory	TCT	Theater Arts at Caltech (TACIT)
HAM	Hameetman Center	WAT	Watson Laboratory of Applied Physics
JRG	Jorgensen Laboratory	YHC	Young Health Center

**GRADING SCHEME**


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

**TIMES/LOCATION/UNITS**


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

**DAYS OF THE WEEK**


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

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<b>AEROSPACE</b>							
Ae 100	+	Research in Aerospace	01	Culick, F	A	A	P
			02	Daraio, C	A	A	P
			03	Ravichandran, G	A	A	P
			04	Rosakis, A	A	A	P
			05	Shepherd, J	A	A	P
			06	Chung, S	A	A	P
Ae 200	+	Advanced Research in Aerospace	01	Bellan, P	A	A	P
			02	Bhattacharya, K	A	A	P
			03	Blake, G	A	A	P
			04	Gharib, M	A	A	P
			05	Hornung, H	A	A	P
			06	Hunt, M	A	A	P
			07	Minnich, A	A	A	P
			08	Leonard, A	A	A	P
			09	Murray, R	A	A	P
			10	Ortiz, M	A	A	P
			11	Colonus, T	A	A	P
			12	Pullin, D	A	A	P
			13	Ravichandran, G	A	A	P
			14	Rosakis, A	A	A	P
			15	Johnson, J	A	A	P
			16	McKeon, B	A	A	P
			17	Austin, J	A	A	P
			18	Kulkarni, S	A	A	P
			19	Shepherd, J	A	A	P
			20	Burdick, J	A	A	P
			21	Lapusta, N	A	A	P
			22	Daraio, C	A	A	P
			23	Pellegrino, S	A	A	P
			24	Dickinson, M	A	A	P
			25	Blanquart, G	A	A	P
			26	Schneider, T	A	A	P
			27	Greer, J	A	A	P

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<b>AEROSPACE</b>							
Ae 200	+	Advanced Research in Aerospace	28	Kochmann, D	A	A	P
			29	Gurnis, M	A	A	P
			30	Minnich, A	A	A	P
			31	Asimaki, D	A	A	P
			32	Chung, S	A	A	P
			33	Heaton, T	A	A	P
			34	Meiron, D	A	A	P
Ae 240	+	Special Topics in Fluid Mechanics	01	McKeon, B	A	A	P
<b>ANTHROPOLOGY</b>							
An 097	+	Undergraduate Research	01	Staff	A	A	P
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM190	+	Reading and Independent Study	01	Bruno, O	A	A	P
			02	Owhadi, H	A	A	P
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P
			03	Beck, J	A	A	P
			04	Desbrun, M	A	A	P
			05	Hou, Y	A	A	P
			06	Graber, T	A	A	P
			07	Meiron, D	A	A	P
			08	Schroeder, P	A	A	P
			09	Stuart, A	A	A	P
			11	Owhadi, H	A	A	P
			15	Tropp, J	A	A	P
16	Hassibi, B	A	A	P			
<b>APPLIED MECHANICS</b>							

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<b>APPLIED MECHANICS</b>							
AM 200	+	Special Problems in Advanced Mechanics	01	Staff	A	A	P
AM 300	+	Research in Applied Mechanics	01	Beck, J	A	A	P
			02	Bhattacharya, K	A	A	P
			03	Andrade, J	A	A	P
			04	Murray, R	A	A	P
			05	Ortiz, M	A	A	P
			06	Phillips, R	A	A	P
			07	Ravichandran, G	A	A	P
<b>APPLIED PHYSICS</b>							
APh100	+	Advanced Work in Applied Physics	01	Atwater, H	A	A	P
			02	Painter, O	A	A	P
			07	Goddard, W	A	A	P
			10	Yeh, N	A	A	P
			14	Phillips, R	A	A	P
APh200	+	Applied Physics Research	01	Atwater, H	A	A	P
			02	Desbrun, M	A	A	P
			03	Bellan, P	A	A	P
			04	Chen, Y	A	A	P
			05	Heath, J	A	A	P
			06	Spiropulu, M	A	A	P
			07	Elowitz, M	A	A	P
			08	Fultz, B	A	A	P
			09	Desbrun, M	A	A	P
			10	Hsieh, D	A	A	P
			11	Preskill, J	A	A	P
			12	Faraon, A	A	A	P
			13	Minnich, A	A	A	P
			14	Johnson, W	A	A	P
			15	Motrunich, O	A	A	P
			16	Gharib, M	A	A	P

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<b>APPLIED PHYSICS</b>							
APh200	+	Applied Physics Research	17	Marcus, R	A	A	P
			18	Alicea, J	A	A	P
			19	Painter, O	A	A	P
			20	Phillips, R	A	A	P
			21	Bernardi, M	A	A	P
			22	Rosenbaum, T	A	A	P
			23	Roukes, M	A	A	P
			24	Van Zyl, J	A	A	P
			25	Scherer, A	A	A	P
			26	Hutzler, N	A	A	P
			27	Yeh, N	A	A	P
			28	Rees, D	A	A	P
			29	Vahala, K	A	A	P
			30	Yariv, A	A	A	P
			31	Adhikari, R	A	A	P
			33	Winfrey, E	A	A	P
			35	Jensen, G	A	A	P
			36	Kornfield, J	A	A	P
			37	Troian, S	A	A	P
			38	Johnson, W	A	A	P
39	Schwab, K	A	A	P			
40	Greer, J	A	A	P			
42	Lewis, N	A	A	P			
43	Refael, G	A	A	P			
44	Snyder, G	A	A	P			
45	Goddard, W	A	A	P			
46	Nad Perge, S	A	A	P			
APh300	+	Thesis Research in Applied Physics	01	Atwater, H	A	A	P
			02	Bellan, P	A	A	P
			03	Schwab, K	A	A	P
			04	Chen, Y	A	A	P
			05	Daraio, C	A	A	P
			06	Nad Perge, S	A	A	P

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<b>APPLIED PHYSICS</b>							
APh300	+	Thesis Research in Applied Physics	07	Fultz, B	A	A	P
			08	Flagan, R	A	A	P
			09	Faraon, A	A	A	P
			10	Snyder, G	A	A	P
			11	Hsieh, D	A	A	P
			12	Faraon, A	A	A	P
			13	Refael, G	A	A	P
			14	Phillips, R	A	A	P
			15	Bernardi, M	A	A	P
			16	Hutzler, N	A	A	P
			18	Roukes, M	A	A	P
			19	Bhattacharya, K	A	A	P
			20	Scherer, A	A	A	P
			23	Vahala, K	A	A	P
			24	Kornfield, J	A	A	P
			25	Yariv, A	A	A	P
			28	Troian, S	A	A	P
30	Jensen, G	A	A	P			
31	Zmuidzinas, J	A	A	P			
32	Rosenbaum, T	A	A	P			
33	Painter, O	A	A	P			
34	Desbrun, M	A	A	P			
<b>ASTROPHYSICS</b>							
Ay 142	+	Research in Astronomy and Astrophysics	01	Bock, J	A	A	P
			02	Djorgovski, S	A	A	P
			03	Fuller, J	A	A	P
			04	Hallinan, G	A	A	P
			05	Harrison, F	A	A	P
			06	Hillenbrand, L	A	A	P
			07	Hopkins, P	A	A	P
			08	Howard, A	A	A	P
			09	Kasliwal, M	A	A	P

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<b>ASTROPHYSICS</b>							
Ay 142	+	Research in Astronomy and Astrophysics	10	Kirby, E	A	A	P
			11	Knutson, H	A	A	P
			12	Kulkarni, S	A	A	P
			13	Martin, C	A	A	P
			14	Mawet, D	A	A	P
			15	Phinney, E	A	A	P
			16	Prince, T	A	A	P
			17	Sargent, A	A	A	P
			18	Steidel, C	A	A	P
			19	Zmuidzinas, J	A	A	P
Ay 143	+	Reading and Independent Study	01	Hallinan, G	A	A	P
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	01	Arnold, F	A	A	P
			02	Bjorkman, P	A	A	P
			03	Goentoro, L	A	A	P
			04	Campbell, J	A	A	P
			05	Cai, L	A	A	P
			06	Davidson, E	A	A	P
			07	Deshaies, R	A	A	P
			08	Dougherty, D	A	A	P
			09	Guttman, M	A	A	P
			10	Goddard, W	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Jensen, G	A	A	P
			13	Anderson, D	A	A	P
			14	Hoelz, A	A	A	P
			15	Mayo, S	A	A	P
			16	Parker, C	A	A	P
			17	Pierce, N	A	A	P
			18	Heath, J	A	A	P
			19	Rees, D	A	A	P

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BMB299	+	Graduate Research	20	Shapiro, M	A	A	P
			21	Rothenberg, E	A	A	P
			22	Lester, H	A	A	P
			23	Elowitz, M	A	A	P
			24	Tirrell, D	A	A	P
			25	Meister, M	A	A	P
			26	Patterson, P	A	A	P
			27	Miller, T	A	A	P
			28	Kennedy, M	A	A	P
			29	Dervan, P	A	A	P
			30	Zinn, K	A	A	P
			31	Meyerowitz, E	A	A	P
			32	Phillips, R	A	A	P
			33	Wold, B	A	A	P
			34	Hay, B	A	A	P
			35	Greer, J	A	A	P
			36	Shan, S	A	A	P
			37	Barton, J	A	A	P
			38	Leadbetter, J	A	A	P
			39	Murray, R	A	A	P
			40	Mazmanian, S	A	A	P
			41	Baltimore, D	A	A	P
			42	Wang, Z	A	A	P
			43	Sternberg, P	A	A	P
			44	Clemons, W	A	A	P
			45	Gharib, M	A	A	P
			46	Davis, M	A	A	P
			47	Roukes, M	A	A	P
			48	Newman, D	A	A	P
			49	Varshavsky, A	A	A	P
			50	Gray, H	A	A	P
			51	Roukes, M	A	A	P
			52	Meister, M	A	A	P



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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	53	Voorhees, R	A	A	P
			54	Pachter, L	A	A	P
<b>BIOENGINEERING</b>							
BE 098	+	Undergraduate Research in Bioengineering	01	Kennedy, M	A	A	P
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Trojan, S	A	A	P
			03	Burdick, J	A	A	P
			04	Rothmund, P	A	A	P
			05	Dervan, P	A	A	P
			06	Thomson, M	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Ismagilov, R	A	A	P
			10	Lester, H	A	A	P
			11	Phillips, R	A	A	P
			12	Pierce, N	A	A	P
			13	Meister, M	A	A	P
			14	Goddard, W	A	A	P
			15	Gradinaru, V	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	Andersen, R	A	A	P
			22	Mayo, S	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			25	Heath, J	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfrey, E	A	A	P

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<b>BIOENGINEERING</b>							
BE 200	+	Research in Bioengineering	28	Cai, L	A	A	P
			29	Goentoro, L	A	A	P
			30	Sternberg, P	A	A	P
			31	Kornfield, J	A	A	P
			32	Shapiro, M	A	A	P
			33	Baltimore, D	A	A	P
			34	Guttman, M	A	A	P
			35	Qian, L	A	A	P
			36	Hong, E	A	A	P
			37	Bjorkman, P	A	A	P
			38	Dickinson, M	A	A	P
			39	Parker, J	A	A	P
			40	Greer, J	A	A	P
			41	Pachter, L	A	A	P
42	Mazmanian, S	A	A	P			
BE/Bi/NB 203	6-0-0	Introduction to Programming for the Biological Sciences Bootcamp <i>Class meets June 17 - 21, 2019, M-F 9:00-18:00, in Millikan Library (9 MIL)</i>	01	Bois, J	A	A	P
BE 262	2-10-0	Physical Biology Boot Camp <i>Class meets Sept 9-17, 2019, 0800-1900 in 135 GTL // Enrollment limited to incoming BMB, BE, Bi, CNS and NB grad students or instructor's permission.</i>	01	Phillips, R	A	135 GTL	P
<b>BIOLOGY</b>							
Bi 022	+	Undergraduate Research	01	Sternberg, P	A	A	P
			02	Patterson, P	A	A	P
BE/Bi/NB 203	6-0-0	Introduction to Programming for the Biological Sciences Bootcamp <i>Class meets June 17 - 21, 2019, M-F 9:00-18:00, in Millikan Library (9 MIL)</i>	01	Bois, J	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	01	Burdick, J	A	A	P
			02	Siapas, A	A	A	P
			03	Allman, J	A	A	P
			04	Anderson, D	A	A	P
			05	Murray, R	A	A	P
			06	Thomson, M	A	A	P
			07	Baltimore, D	A	A	P
			08	Bjorkman, P	A	A	P
			09	Bronner Hansen, M	A	A	P
			10	Campbell, J	A	A	P
			11	Chan, D	A	A	P
			12	Heath, J	A	A	P
			13	Deshaies, R	A	A	P
			14	Newman, D	A	A	P
			15	Dunphy, W	A	A	P
			16	Wang, K	A	A	P
			17	Hay, B	A	A	P
			18	Kennedy, M	A	A	P
			19	Fischer, W	A	A	P
			20	Shapiro, M	A	A	P
			21	Lester, H	A	A	P
			22	Elowitz, M	A	A	P
			23	Mayo, S	A	A	P
			24	Meyerowitz, E	A	A	P
			25	Siapas, A	A	A	P
			26	Murray, R	A	A	P
			27	Lois, C	A	A	P
			28	Gradinaru, V	A	A	P
			29	Scherer, A	A	A	P
			30	Stathopoulos, A	A	A	P
			31	Goentoro, L	A	A	P
			32	Rothenberg, E	A	A	P
			33	Guttman, M	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	34	Shimojo, S	A	A	P
			35	Prober, D	A	A	P
			36	Sternberg, P	A	A	P
			37	Dickinson, M	A	A	P
			38	Meister, M	A	A	P
			39	Wold, B	A	A	P
			40	Zinn, K	A	A	P
			41	Ismagilov, R	A	A	P
			42	Andersen, R	A	A	P
			43	Varshavsky, A	A	A	P
			44	Hong, E	A	A	P
			45	Leadbetter, J	A	A	P
			46	Winfrey, E	A	A	P
			47	Orphan, V	A	A	P
			48	Kirschvink, J	A	A	P
			49	Jensen, G	A	A	P
			50	Goddard, W	A	A	P
			51	Adolphs, R	A	A	P
			52	Oka, Y	A	A	P
			53	Pierce, N	A	A	P
			54	Mazmanian, S	A	A	P
			55	Clemons, W	A	A	P
			56	Shan, S	A	A	P
			57	Tsao, D	A	A	P
			58	Guo, C	A	A	P
			59	Gharib, M	A	A	P
			60	Aravin, A	A	A	P
			61	Dougherty, D	A	A	P
			62	Cai, L	A	A	P
			63	Qian, L	A	A	P
			64	Fejes Toth, K	A	A	P
			65	Tai, Y	A	A	P
			66	Hsieh-Wilson, L	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	67	Doyle, J	A	A	P
			68	Phillips, R	A	A	P
			69	Pachter, L	A	A	P
			70	Voorhees, R	A	A	P
			71	Parker, J	A	A	P
			72	Van Valen, D	A	A	P
			73	Roukes, M	A	A	P
<b>BUSINESS, ECONOMICS, AND MANAGEMENT</b>							
BEM097	+	Undergraduate Research	01	Staff	A	A	P
<b>CHEMICAL ENGINEERING</b>							
ChE090A	+	Senior Thesis	01	Tirrell, D	A	A	P
ChE090B	0-4-5	Senior Thesis	01	Tirrell, D	A	A	
ChE280	+	Chemical Engineering Research	01	Murray, R	A	A	P
			02	Arnold, F	A	A	P
			03	Ismagilov, R	A	A	P
			04	Atwater, H	A	A	P
			05	Barton, J	A	A	P
			06	Snyder, G	A	A	P
			07	Shapiro, M	A	A	P
			08	See, K	A	A	P
			09	Brady, J	A	A	P
			10	Hoffmann, M	A	A	P
			11	Robb, M	A	A	P
			12	Wei, L	A	A	P
			13	Davis, M	A	A	P
			14	Chan, G	A	A	P
			15	Dougherty, D	A	A	P

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<b>CHEMICAL ENGINEERING</b>							
ChE280	+	Chemical Engineering Research	16	Flagan, R	A	A	P
			17	Elowitz, M	A	A	P
			19	Giapis, K	A	A	P
			20	Goddard, W	A	A	P
			23	Heath, J	A	A	P
			26	Kornfield, J	A	A	P
			28	Lewis, N	A	A	P
			33	Okumura, M	A	A	P
			34	Parker, C	A	A	P
			36	Pierce, N	A	A	P
			42	Seinfeld, J	A	A	P
			43	Stoltz, B	A	A	P
			44	Tirrell, D	A	A	P
			45	Wang, Z	A	A	P
			49	Yung, Y	A	A	P
			51	Haile, S	A	A	P
			53	Greer, J	A	A	P
54	Fultz, B	A	A	P			
55	Fultz, B	A	A	P			
56	Troian, S	A	A	P			
57	Miller, T	A	A	P			
<b>CHEMISTRY</b>							
Ch 080	+	Chemical Research	01	Lewis, N	A	A	P
			02	Reisman, S	A	A	P
Ch 081	+	Independent Reading In Chemistry	01	Gray, H	A	A	P
Ch 180	+	Chemical Research	01	Gray, H	A	A	P
			02	Agapie, T	A	A	P
			03	Goddard, W	A	A	P
Ch 280	+	Chemical Research	01	Adkins, J	A	A	P
			02	Arnold, F	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	03	Goentoro, L	A	A	P
			04	Atwater, H	A	A	P
			05	Barton, J	A	A	P
			06	Wei, L	A	A	P
			07	Bercaw, J	A	A	P
			08	Blake, G	A	A	P
			09	Ismagilov, R	A	A	P
			10	Sternberg, P	A	A	P
			11	Agapie, T	A	A	P
			12	Fu, G	A	A	P
			13	Davis, M	A	A	P
			14	Dervan, P	A	A	P
			15	Dougherty, D	A	A	P
			16	Flagan, R	A	A	P
			17	Chan, G	A	A	P
			18	Yeh, N	A	A	P
			19	Hoelz, A	A	A	P
			20	Goddard, W	A	A	P
			21	Gray, H	A	A	P
			22	Grubbs, R	A	A	P
			23	Heath, J	A	A	P
			24	Hsieh-Wilson, L	A	A	P
			25	Hoffmann, M	A	A	P
			26	Kornfield, J	A	A	P
			27	Cai, L	A	A	P
			28	Lewis, N	A	A	P
			29	Wang, Z	A	A	P
			30	See, K	A	A	P
			31	Mayo, S	A	A	P
			32	Giapis, K	A	A	P
			33	Okumura, M	A	A	P
			34	Greer, J	A	A	P
			35	Peters, J	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	36	Pierce, N	A	A	P
			37	Blanquart, G	A	A	P
			38	Rees, D	A	A	P
			39	Lester, H	A	A	P
			40	Haile, S	A	A	P
			41	Deshaies, R	A	A	P
			42	Seinfeld, J	A	A	P
			43	Stoltz, B	A	A	P
			44	Tirrell, D	A	A	P
			45	Wang, Z	A	A	P
			46	Weitekamp, D	A	A	P
			47	Wennberg, P	A	A	P
			48	Robb, M	A	A	P
			49	Clemons, W	A	A	P
			50	Campbell, J	A	A	P
			51	Bjorkman, P	A	A	P
			52	Wei, L	A	A	P
			53	Shan, S	A	A	P
			54	Reisman, S	A	A	P
			55	Miller, T	A	A	P
			56	Hoelz, A	A	A	P
			57	Jensen, G	A	A	P
			58	Shapiro, M	A	A	P
			59	Newman, D	A	A	P
			60	Ondrus, A	A	A	P
			61	See, K	A	A	P
			62	Asimow, P	A	A	P
			63	Wei, L	A	A	P
			64	Parker, J	A	A	P
			65	Cushing, S	A	A	P
			66	Voorhees, R	A	A	P
			67	Hadt, R	A	A	P
			68	Eiler, J	A	A	P



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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	69	Van Valen, D	A	A	P
			70	Minnich, A	A	A	P
<b>CIVIL ENGINEERING</b>							
CE 200	+	Advanced Work in Civil Engineering	01	Beck, J	A	A	P
			02	Heaton, T	A	A	P
CE 300	+	Research in Civil Engineering	01	Andrade, J	A	A	P
			02	Daraio, C	A	A	P
			03	Hall, J	A	A	P
			04	Beck, J	A	A	P
			05	Heaton, T	A	A	P
			06	Ravichandran, G	A	A	P
			07	Ortiz, M	A	A	P
			08	Phillips, T	A	A	P
			09	Lapusta, N	A	A	P
			10	Asimaki, D	A	A	P
<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS180	+	Research in Computation and Neural Systems	01	Anderson, D	A	A	P
			02	Patterson, P	A	A	P
			03	Murray, R	A	A	P
			04	Gradinaru, V	A	A	P
			05	Burdick, J	A	A	P
			06	Andersen, R	A	A	P
			07	Allman, J	A	A	P
			08	Quartz, S	A	A	P
			09	Siapas, A	A	A	P
			10	Rutishauser, U	A	A	P
			11	Lester, H	A	A	P
			12	Winfrey, E	A	A	P
			13	Meister, M	A	A	P
			14	Hong, E	A	A	P
			15	Kennedy, M	A	A	P

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<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS180	+	Research in Computation and Neural Systems	16	Anandkumar, A	A	A	P
			17	Perona, P	A	A	P
			22	Shimojo, S	A	A	P
			23	Wold, B	A	A	P
			26	Adolphs, R	A	A	P
			27	O'Doherty, J	A	A	P
			28	Dickinson, M	A	A	P
			29	Allman, J	A	A	P
			30	Camerer, C	A	A	P
			33	Tsao, D	A	A	P
			36	Elowitz, M	A	A	P
			37	Rangel, A	A	A	P
			38	Prober, D	A	A	P
			39	Low, S	A	A	P
			40	Yue, Y	A	A	P
41	Thomson, M	A	A	P			
CNS280	+	Research in Computation and Neural Systems	01	Abu-Mostafa, Y	A	A	P
			02	Rangel, A	A	A	P
			03	Murray, R	A	A	P
			04	Dickinson, M	A	A	P
			05	Quartz, S	A	A	P
			06	Lester, H	A	A	P
			07	Elowitz, M	A	A	P
			08	Allman, J	A	A	P
			09	Oka, Y	A	A	P
			10	Camerer, C	A	A	P
			11	Konishi, M	A	A	P
			12	Winfrey, E	A	A	P
			13	Gradinaru, V	A	A	P
			14	Sternberg, P	A	A	P
15	Perona, P	A	A	P			
17	Meister, M	A	A	P			
18	Andersen, R	A	A	P			

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<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS280	+	Research in Computation and Neural Systems	19	Bruck, J	A	A	P
			20	Shimojo, S	A	A	P
			22	Wold, B	A	A	P
			23	O'Doherty, J	A	A	P
			25	Siapas, A	A	A	P
			26	Adolphs, R	A	A	P
			27	Hoffmann, M	A	A	P
			28	Burdick, J	A	A	P
			30	Tsao, D	A	A	P
			31	Scherer, A	A	A	P
			<b>COMPUTER SCIENCE</b>				
CS 081A	+	Undergraduate Projects in Computer Science	01	Barr, A	A	A	P
			02	Yue, Y	A	A	P
			03	Pierce, N	A	A	P
CS 090	+	Undergraduate Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
CS 180	+	Master's Thesis Research	01	Barr, A	A	A	P
			03	Abu-Mostafa, Y	A	A	P
			05	Schroeder, P	A	A	P
			06	Low, S	A	A	P
			07	Martin, A	A	A	P
			09	Chandy, K	A	A	P
			10	Bruck, J	A	A	P
			11	Umans, C	A	A	P
			12	Winfree, E	A	A	P
			14	Perona, P	A	A	P
			15	Desbrun, M	A	A	P
17	Wierman, A	A	A	P			
18	Kitaev, A	A	A	P			
CS 280	+	Research in Computer Science	01	Martin, A	A	A	P
			02	Schroeder, P	A	A	P

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<b>COMPUTER SCIENCE</b>							
CS 280	+	Research in Computer Science	03	Ligett, K	A	A	P
			04	Barr, A	A	A	P
			05	Winfree, E	A	A	P
			06	Yue, Y	A	A	P
			07	Perona, P	A	A	P
			08	Vidick, T	A	A	P
			11	Abu-Mostafa, Y	A	A	P
			12	Chandy, K	A	A	P
			13	Umans, C	A	A	P
			14	Bruck, J	A	A	P
			15	Low, S	A	A	P
			16	Desbrun, M	A	A	P
			17	Anandkumar, A	A	A	P
			19	Kitaev, A	A	A	P
			20	Wierman, A	A	A	P
<b>COMPUTING AND MATHEMATICAL SCIENCES</b>							
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
			12	Perona, P	A	A	P
			13	Schroeder, P	A	A	P
			14	Schulman, L	A	A	P
			15	Umans, C	A	A	P
			16	Winfree, E	A	A	P

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<b>COMPUTING AND MATHEMATICAL SCIENCES</b>										
CMS300	+	Research in Computing and Mathematical Sciences	17	Yue, Y	A	A	P			
			18	Pachter, L	A	A	P			
			19	Anandkumar, A	A	A	P			
			20	Stuart, A	A	A	P			
			21	Thomson, M	A	A	P			
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>										
CDS300	+	Research in Control and Dynamical Systems	01	Perona, P	A	A	P			
			02	Murray, R	A	A	P			
			03	Quartz, S	A	A	P			
			04	Doyle, J	A	A	P			
			05	Beck, J	A	A	P			
			06	Owhadi, H	A	A	P			
			07	Burdick, J	A	A	P			
			09	Siapas, A	A	A	P			
			10	Elowitz, M	A	A	P			
			11	Goentoro, L	A	A	P			
			14	Dickinson, M	A	A	P			
			15	Ortiz, M	A	A	P			
			16	Desbrun, M	A	A	P			
			17	Adolphs, R	A	A	P			
			18	Ames, A	A	A	P			
			19	Chung, S	A	A	P			
			<b>ECONOMICS</b>							
			Ec 097	+	Undergraduate Research	01	Staff	A	A	P
			<b>ELECTRICAL ENGINEERING</b>							
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P			
EE 291	+	Advanced Work in Electrical Engineering	01	Hassibi, B	A	A	P			
			02	Rees, D	A	A	P			

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<b>ELECTRICAL ENGINEERING</b>							
EE 291	+	Advanced Work in Electrical Engineering	03	Murray, R	A	A	P
			04	Wang, L	A	A	P
			05	Choo, H	A	A	P
			06	Abu-Mostafa, Y	A	A	P
			07	Hajimiri, S	A	A	P
			08	Tai, Y	A	A	P
			09	Quartz, S	A	A	P
			10	Cvitanic, J	A	A	P
			11	Hoffmann, M	A	A	P
			12	Faraon, A	A	A	P
			13	Doyle, J	A	A	P
			14	Scherer, A	A	A	P
			15	Pellegrino, S	A	A	P
			16	Avouac, J	A	A	P
			17	Roukes, M	A	A	P
			18	Vahala, K	A	A	P
			19	Chandrasekaran, V	A	A	P
			20	Gharib, M	A	A	P
			21	Weinreb, S	A	A	P
			22	Hallinan, G	A	A	P
			23	Yang, C	A	A	P
			24	Hallinan, G	A	A	P
			25	Martin, A	A	A	P
			26	Effros, M	A	A	P
			27	Yariv, A	A	A	P
			28	Vaidyanathan, P	A	A	P
			29	Marandi, A	A	A	P
			30	Abu-Mostafa, Y	A	A	P
			31	Burdick, J	A	A	P
			32	Perona, P	A	A	P
			33	Minnich, A	A	A	P
			34	Kostina, V	A	A	P
			35	Bruck, J	A	A	P

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<b>ELECTRICAL ENGINEERING</b>							
EE 291	+	Advanced Work in Electrical Engineering	36	Low, S	A	A	P
			37	Yue, Y	A	A	P
			38	Yeh, N	A	A	P
			40	Meister, M	A	A	P
			41	Heath, J	A	A	P
			42	Atwater, H	A	A	P
			43	Zmuidzinis, J	A	A	P
			44	Emami, A	A	A	P
			45	George, G	A	A	P
			46	Painter, O	A	A	P
<b>ENGLISH</b>							
En 098	+	Reading in English	01	Staff	A	A	P
<b>ENGLISH AS A SECOND LANGUAGE</b>							
ESL/Wr 108	3-0-3	Intermediate Graduate Writing Seminar <i>maximum enrollment: 15 students</i>	01	Burkett, E	A	A	P
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE100	+	Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i>	01	Adkins, J	A	A	P
			02	Flagan, R	A	A	P
			03	Hoffmann, M	A	A	P
			04	Schneider, T	A	A	P
			05	Seinfeld, J	A	A	P
			06	Sessions, A	A	A	P
			07	Wennberg, P	A	A	P
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

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ESE106	+	Research in Environmental Science and Engineering	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			
ESE200	+	Advanced Topics in Environmental Science and Engineering	01	Hering, J	A	A	P
			02	Leadbetter, J	A	A	P
			03	Flagan, R	A	A	P
			04	Hoffmann, M	A	A	P
			05	Seinfeld, J	A	A	P
			06	Newman, D	A	A	P
			07	Okumura, M	A	A	P
			08	Sessions, A	A	A	P
			09	Yung, Y	A	A	P
			10	Orphan, V	A	A	P
ESE300	+	Thesis Research	01	Yung, Y	A	A	P
			02	Raichlen, F	A	A	P
			03	Randerson, J	A	A	P
			04	Wennberg, P	A	A	P
			05	Seinfeld, J	A	A	P
			06	Leadbetter, J	A	A	P
			07	Hering, J	A	A	P
			08	Schneider, T	A	A	P
			09	Seinfeld, J	A	A	P



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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE300	+	Thesis Research	10	Flagan, R	A	A	P
			11	Eiler, J	A	A	P
			12	Hoffmann, M	A	A	P
			13	Newman, D	A	A	P
			14	Adkins, J	A	A	P
			15	Hunt, M	A	A	P
			16	Sessions, A	A	A	P
			17	Adkins, J	A	A	P
			18	Callies, J	A	A	P
			19	Ingersoll, A	A	A	P
			20	Okumura, M	A	A	P
			21	Bordoni, S	A	A	P
			22	Thompson, A	A	A	P
			23	Frankenberg, C	A	A	P
24	Orphan, V	A	A	P			
<b>GEOLOGY</b>							
Ge 040	+	Special Problems for Undergraduates	03	Kirschvink, J	A	A	P
			05	Rossmann, G	A	A	P
			09	Lamb, M	A	A	P
			11	Ingersoll, A	A	A	P
			12	Kirschvink, J	A	A	P
Ge 120B	+	Field Geology: Summer Field Camp <i>OM will be held Wednesday, June 12th</i>	01	Bucholz, C	A	A	P
Ge 193	1-0-2	Special Topics in Geophysics	01	Gurnis, M	A	A	P
Ge 297	+	Advanced Study	01	Ehlmann, B	A	A	P
			02	Batygin, K	A	A	P
			03	Zhan, Z	A	A	P
			04	Rossmann, G	A	A	P
			05	Lapusta, N	A	A	P
			06	Bucholz, C	A	A	P

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<b>GEOLOGY</b>							
Ge 297	+	Advanced Study	07	Leadbetter, J	A	A	P
			08	Eiler, J	A	A	P
			09	Blake, G	A	A	P
			10	Tissot, F	A	A	P
			11	Stock, J	A	A	P
			12	Helmberger, D	A	A	P
			13	Kirschvink, J	A	A	P
			14	Farley, K	A	A	P
			16	Ingersoll, A	A	A	P
			17	Aharonson, O	A	A	P
			18	Fischer, W	A	A	P
			19	Sessions, A	A	A	P
			20	Gurnis, M	A	A	P
			22	Orphan, V	A	A	P
			23	Avouac, J	A	A	P
			25	Clayton, R	A	A	P
			26	Adkins, J	A	A	P
			27	Yung, Y	A	A	P
			28	Bordoni, S	A	A	P
			29	Saleeby, J	A	A	P
			30	Brown, M	A	A	P
			31	Stolper, E	A	A	P
			32	Stevenson, D	A	A	P
			34	Wernicke, B	A	A	P
			35	Newman, D	A	A	P
			37	Simons, M	A	A	P
			38	Kulkarni, S	A	A	P
			39	Eiler, J	A	A	P
			40	Asimow, P	A	A	P
			41	Wennberg, P	A	A	P
			42	Orphan, V	A	A	P
			43	Grotzinger, J	A	A	P
			44	Jackson, J	A	A	P

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<b>GEOLOGY</b>							
Ge 297	+	Advanced Study	45	Ampuero Saenz, J	A	A	P
			46	Lamb, M	A	A	P
			47	Tsai, V	A	A	P
			48	Knutson, H	A	A	P
Ge 299	+	Thesis Research	01	Ehlmann, B	A	A	P
			02	Adkins, J	A	A	P
			03	Fischer, W	A	A	P
			04	Brown, M	A	A	P
			05	Helmberger, D	A	A	P
			06	Ingersoll, A	A	A	P
			07	Blake, G	A	A	P
			08	Ampuero Saenz, J	A	A	P
			09	Kulkarni, S	A	A	P
			10	Stock, J	A	A	P
			11	Lapusta, N	A	A	P
			12	Lamb, M	A	A	P
			13	Avouac, J	A	A	P
			14	Bucholz, C	A	A	P
			15	Wernicke, B	A	A	P
			16	Knutson, H	A	A	P
			17	Rossmann, G	A	A	P
			18	Batygin, K	A	A	P
			19	Newman, D	A	A	P
			20	Farley, K	A	A	P
			21	Eiler, J	A	A	P
			22	Gurnis, M	A	A	P
			23	Orphan, V	A	A	P
			24	Schneider, T	A	A	P
			25	Stevenson, D	A	A	P
			26	Stolper, E	A	A	P
			27	Yung, Y	A	A	P
			28	Clayton, R	A	A	P
			29	Saleeby, J	A	A	P

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<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	30	Zhan, Z	A	A	P
			31	Kirschvink, J	A	A	P
			32	Farley, K	A	A	P
			33	Heaton, T	A	A	P
			35	Simons, M	A	A	P
			36	Asimow, P	A	A	P
			37	Sessions, A	A	A	P
			38	Grotzinger, J	A	A	P
			39	Jackson, J	A	A	P
			40	Tsai, V	A	A	P
			41	Bordoni, S	A	A	P
<b>HISTORY</b>							
H 098	+	Reading in History	01	Staff	A	A	P
			02	Dykstra, M	A	A	P
H 099A	1-0-8	Research Tutorial	01	Lewis, D	A	A	
<b>MATERIALS SCIENCE</b>							
MS 100	+	Advanced Work in Materials Science	01	Fultz, B	A	A	P
			03	Johnson, W	A	A	P
MS 200	+	Advanced Work in Materials Science	01	Johnson, W	A	A	P
			02	Minnich, A	A	A	P
			03	Bhattacharya, K	A	A	P
			04	Fultz, B	A	A	P
			05	Atwater, H	A	A	P
			06	Goddard, W	A	A	P
			07	Faber, K	A	A	P
			08	Bernardi, M	A	A	P
			09	Blake, G	A	A	P
			10	Yeh, N	A	A	P
			11	Kochmann, D	A	A	P

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<b>MATERIALS SCIENCE</b>							
MS 200	+	Advanced Work in Materials Science	13	Ortiz, M	A	A	P
			15	Lewis, N	A	A	P
			19	Greer, J	A	A	P
			20	Daraio, C	A	A	P
			22	Lewis, N	A	A	P
			23	Atwater, H	A	A	P
MS 300	+	Thesis Research	01	Johnson, W	A	A	P
			02	Haile, S	A	A	P
			03	Cross, M	A	A	P
			04	Goddard, W	A	A	P
			05	Fultz, B	A	A	P
			06	Atwater, H	A	A	P
			07	Lewis, N	A	A	P
			08	Bhattacharya, K	A	A	P
			09	Minnich, A	A	A	P
			10	Rosakis, A	A	A	P
			11	Rees, D	A	A	P
			12	Snyder, G	A	A	P
			14	Bernardi, M	A	A	P
15	Greer, J	A	A	P			
16	Faber, K	A	A	P			
<b>MATHEMATICS</b>							
Ma 098	+	Independent Reading	01	Graber, T	A	A	P
Ma 290	+	Reading	01	Cvitanic, J	A	A	P
			02	Flach, M	A	A	P
			03	Frank, R	A	A	P
			04	Graber, T	A	A	P
			05	Gukov, S	A	A	P
			06	Katz, N	A	A	P
			07	Kechris, A	A	A	P

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<b>MATHEMATICS</b>										
Ma 290	+	Reading	08	Makarov, N	A	A	P			
			09	Mantovan, E	A	A	P			
			10	Marcolli, M	A	A	P			
			11	Markovic, V	A	A	P			
			12	Ni, Y	A	A	P			
			13	Owhadi, H	A	A	P			
			14	Rains, E	A	A	P			
			15	Ramakrishnan, D	A	A	P			
			16	Tamuz, O	A	A	P			
			17	Zhu, X	A	A	P			
Ma 390	+	Research	01	Cvitanic, J	A	A	P			
			02	Flach, M	A	A	P			
			03	Frank, R	A	A	P			
			04	Graber, T	A	A	P			
			05	Gukov, S	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			
			11	Markovic, V	A	A	P			
			12	Ni, Y	A	A	P			
			13	Owhadi, H	A	A	P			
			14	Rains, E	A	A	P			
			15	Ramakrishnan, D	A	A	P			
			16	Tamuz, O	A	A	P			
						17	Zhu, X	A	A	P
						18	Radziwill, M	A	A	P
<b>MECHANICAL ENGINEERING</b>										
ME 013	0-4-0	Mechanical Prototyping <i>Maximum enrollment: 25 students between ME 13 and ME 113 // Students must submit a</i>	01	Van Deusen, J	OM,W 17:00 - 18:55	B224 SPL	P			

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<b>MECHANICAL ENGINEERING</b>							
ME 023	0-4-0	CNC Machining <i>class cancelled</i>	01	Staff	A	A	
ME 100	+	Independent Studies in Mechanical Engineering	01	Daraio, C	A	A	P
			02	Hunt, M	A	A	P
			03	Mello, M	A	A	P
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Hall, J	A	A	P
			02	Hunt, M	A	A	P
			05	Pickar, K	A	A	P
ME 113	0-4-0	Mechanical Prototyping	01	Van Deusen, J	W 17:00 - 18:55	B224 SPL	P
ME 123	0-4-0	CNC Machining <i>class cancelled</i>	01	Staff	A	A	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
			04	Hunt, M	A	A	P
			05	Pickar, K	A	A	P
			06	Lapusta, N	A	A	P
			07	Colonus, T	A	A	P
			09	Brennen, C	A	A	P
			15	Ravichandran, G	A	A	P
ME 300	+	Research in Mechanical Engineering	01	Ortiz, M	A	A	P
			02	Andrade, J	A	A	P
			03	Ames, A	A	A	P
			04	Kochmann, D	A	A	P
			05	Haile, S	A	A	P
			06	Minnich, A	A	A	P
			07	Lewis, N	A	A	P
			08	Lapusta, N	A	A	P
			09	Scherer, A	A	A	P
			10	McKeon, B	A	A	P
			11	Schneider, T	A	A	P
			12	Heaton, T	A	A	P

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<b>MECHANICAL ENGINEERING</b>							
ME 300	+	Research in Mechanical Engineering	13	Stuart, A	A	A	P
			14	Gharib, M	A	A	P
			15	Fultz, B	A	A	P
			16	Atwater, H	A	A	P
			17	Chung, S	A	A	P
			19	Hunt, M	A	A	P
			21	Burdick, J	A	A	P
			23	Ravichandran, G	A	A	P
			24	Murray, R	A	A	P
			25	Asimaki, D	A	A	P
			27	Shepherd, J	A	A	P
			28	Colonus, T	A	A	P
			30	Bhattacharya, K	A	A	P
			31	Bellan, P	A	A	P
			32	Brady, J	A	A	P
			34	Dickinson, M	A	A	P
			35	Greer, J	A	A	P
			36	Daraio, C	A	A	P
			38	Blanquart, G	A	A	P
			39	Adkins, J	A	A	P
40	Hoffmann, M	A	A	P			
41	Pellegrino, S	A	A	P			
<b>MEDICAL ENGINEERING</b>							
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	A	A	P
			03	Gao, W	A	A	P
			04	Emami, A	A	A	P
			05	Faraon, A	A	A	P
			06	Gharib, M	A	A	P
			07	Greer, J	A	A	P
			08	Hajimiri, S	A	A	P
			09	Scherer, A	A	A	P



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<b>MEDICAL ENGINEERING</b>							
MedE 291	+	Research in Medical Engineering	10	Tai, Y	A	A	P
			11	Yang, C	A	A	P
			12	Chandy, K	A	A	P
			13	Pickar, K	A	A	P
			14	Colonus, T	A	A	P
			15	Grubbs, R	A	A	P
			16	Ismagilov, R	A	A	P
			17	Shapiro, M	A	A	P
			18	Wang, L	A	A	P
			19	Gradinaru, V	A	A	P
			20	Daraio, C	A	A	P
			21	Kornfield, J	A	A	P
<b>NEUROBIOLOGY</b>							
BE/Bi/NB 203	6-0-0	Introduction to Programming for the Biological Sciences Bootcamp <i>Class meets June 17 - 21, 2019, M-F 9:00-18:00, in Millikan Library (9 MIL)</i>	01	Bois, J	A	A	P
<b>PHYSICS</b>							
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	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

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	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
			45	Schwab, K	A	A	P
			46	Schwarz, J	A	A	P

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	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	Trojan, 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
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			
20	Newman, H	A	A	P			
21	Oguri, H	A	A	P			
22	Painter, O	A	A	P			
23	Patterson, R	A	A	P			

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<b>PHYSICS</b>							
Ph 172	+	Research in Physics	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	Cheung, C	A	A	P
			37	Chen, Y	A	A	P
			38	Chen, X	A	A	P
			39	Bernardi, M	A	A	P
			40	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			41	Refael, G	A	A	P
			42	Preskill, J	A	A	P
			43	Kapustin, A	A	A	P
44	Hopkins, P	A	A	P			
45	Gukov, S	A	A	P			
46	Bellan, P	A	A	P			
47	Kasliwal, M	A	A	P			
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Alicea, J	A	A	P
			03	Atwater, H	A	A	P
			04	Bernardi, M	A	A	P
			05	Bock, J	A	A	P
			06	Guadalupe Dos Santos Lins Brandao, F	A	A	P
			07	Carroll, S	A	A	P

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<b>PHYSICS</b>							
Ph 300	+	Thesis Research	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
			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

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<b>PHYSICS</b>							
Ph 300	+	Thesis Research	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
<b>POLITICAL SCIENCE</b>							
PS 097	+	Undergraduate Research	01	Staff	A	A	P
<b>SOCIAL SCIENCE</b>							
SS 200	+	Selected Topics in Social Science <i>Section 1: Intensive Writing Course, 6 units</i> <i>(2.5-0-3.5)</i>	01	Daley, C	A	A	P
			02	Camerer, C	A	A	P
			03	Plott, C	A	A	P
			06	Kiewiet, D	A	A	P
			07	Kousser, J	A	A	P
			10	Border, K	A	A	P
			11	Ordeshook, P	A	A	P
			12	Davis, L	A	A	P
			13	Palfrey, T	A	A	P

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<b>SOCIAL SCIENCE</b>							
SS 200	+	Selected Topics in Social Science <i>Section 1: Intensive Writing Course, 6 units</i> <i>(2.5-0-3.5)</i>	19	Alvarez, R	A	A	P
			20	Wilkie, S	A	A	P
SS 300	+	Research in Social Science	01	Snowberg, E	A	A	P
			02	Hoffman, P	A	A	P
			03	Tamuz, O	A	A	P
			04	Plott, C	A	A	P
			05	Jin, J	A	A	P
			06	Palfrey, T	A	A	P
			07	Sherman, R	A	A	P
			08	Katz, J	A	A	P
			09	Echenique, F	A	A	P
			10	Shimojo, S	A	A	P
			11	Goeree, J	A	A	P
			12	Ordeshook, P	A	A	P
			13	Kiewiet, D	A	A	P
			14	Border, K	A	A	P
			15	Cvitanic, J	A	A	P
			16	Kousser, J	A	A	P
			17	Rangel, A	A	A	P
			18	Ewens, M	A	A	P
			19	Alvarez, R	A	A	P
			20	Camerer, C	A	A	P
			21	Jackson, M	A	A	P
			22	Wilkie, S	A	A	P
			23	Rosenthal, J	A	A	P
			24	Ghirardato, P	A	A	P
			25	Shum, M	A	A	P
			26	Yariv, L	A	A	P
			27	O'Doherty, J	A	A	P
			28	Hirsch, A	A	A	P
			29	Lester, H	A	A	P
			30	Adolphs, R	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule SU 2018-19**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>SOCIAL SCIENCE</b>							
SS 300	+	Research in Social Science	31	Mobbs, D	A	A	P
			32	Hershberg, J	A	A	P
<b>WRITING</b>							
ESL/Wr 108	3-0-3	Intermediate Graduate Writing Seminar <i>maximum enrollment: 15 students</i>	01	Burkett, E	A	A	P