

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2003-04**  
**PRELIMINARY**  
**Web Address - <http://www.registrar.caltech.edu/>**

### KEY TO ABBREVIATIONS

#### LOCATIONS

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ALLES	Alles Laboratory	JRG	Jorgensen Laboratory for Information Science
ANX	Bridge Annex	KAR	Karman Laboratory
ARM	Arms Laboratory of Geological Sciences	KCK	Keck Engineering Laboratory
BAC	Braun Athletic Center	KRK	Kerkchoff Laboratory of Biological Sciences
BAX	Baxter Hall of Humanities and Social Services	LAU	Lauritsen Physics Laboratory
BBB	Beckman Laboratory of Behavioral Biology	MEAD	Undergraduate Chemistry Laboratory
BCK	Beckman Institute	MRE	Moore Laboratory
BRD	Broad Center	NMD	North Mudd Building of Geological Sciences
BRG	Bridge Laboratory of Physics	NYS	Noyes Laboratory of Chemical Physics
BRN	Braun Laboratory	POLY	Polytechnic School
BRW	Brown Gym	ROB	Robinson Laboratory of Astrophysics
BTH	Booth Computing Center	SAC	Student Activities Center
CHR	Church Laboratory of Chemical Biology	SFL	Sherman Fairchild Library
CRL	Crellin Chemistry Laboratory	SLN	Sloan Laboratory of Mathematics and Physics
DAB	Dabney Hall of Humanities	SMD	South Mudd Building of Geophysics and Planetary Sciences
DWN	Downs Physics Laboratory	SPL	Spalding Laboratory of Chemical Engineering
DWN/LAU	Downs Lauritsen	STL	Steele Laboratory of Electrical Engineering
EBRG	East Bridge	TOM	Thomas Engineering Laboratory
FIR	Firestone Flight Science Laboratory	WAT	Watson Laboratory of Applied Physics
GTS	Gates Chemical Laboratory	WINN	Winnet Center
GUG	Guggenheim 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>AERONAUTICS</b>							
Ae 100	+	Research in Aeronautics	01	Culick	A	A	P
			02	Gharib	A	A	P
			03	Hornung	A	A	P
			04	Leonard	A	A	P
			05	Ortiz	A	A	P
			06	Ravichandran	A	A	P
			07	Rosakis	A	A	P
			08	Sercel	A	A	P
			09	Shepherd	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Brennen	MWF 10:00 - 10:55	101 GUG	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ravichandran	TR 09:00 - 10:25	101 GUG	
Ae/JP 103B	3-0-6	Propulsion , Dynamics, and Control of Aircraft	01	Shepherd	TR 10:30 - 11:55	306 FIR	G
Ae/APh 104B	1-3-5	Experimental Methods	01	Dimotakis	MWF 09:00 - 09:55	101 GUG	G
Ae 125B	3-0-6	Spacecraft Systems Engineering	01	Sercel	T 17:00 - 18:55	202 GUG	G
					F 16:00 - 17:25	202 GUG	
Ae 150B	1-0-0	Aeronautical Seminar	01	Shepherd	M 13:00 - 13:55	101 GUG	P
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Lapusta	TR 10:30 - 11:55	306 TOM	
Ae 200	+	Advanced Research in Aeronautics	01	Bellan	A	A	P
			02	Bhattacharya	A	A	P
			03	Culick	A	A	P
			04	Dimotakis	A	A	P
			05	Gharib	A	A	P
			06	Hornung	A	A	P
			07	Knauss	A	A	P

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<b>AERONAUTICS</b>							
Ae 200	+	Advanced Research in Aeronautics	08	Leonard	A	A	P
			09	Murray	A	A	P
			10	Ortiz	A	A	P
			11	Pullin	A	A	P
			12	Ravichandran	A	A	P
			13	Rosakis	A	A	P
			14	Seinfeld	A	A	P
			15	Sercel	A	A	P
			16	Shepherd	A	A	P
			17	Pierce	A	A	P
Ae 201B	3-0-6	Advanced Fluid Mechanics	01	Pullin	MWF 10:00 - 10:55	306 FIR	G
Ae 204B	3-0-6	Technical Fluid Mechanics	01	Gharib	MWF 09:00 - 09:55	306 FIR	G
Ae 208B	1-0-0	Fluid Mechanics Seminar	01	Dimotakis	F 15:00 - 15:55	101 GUG	P
Ae/AM/ME 209B	1-0-0	Seminar in Solid Mechanics	01	Ravichandran	T 15:00 - 15:55	206 TOM	P
Ae/AM/MS/ME 213B	3-0-6	Mechanics and Materials Aspects of Fracture	01	Rosakis	MWF 09:00 - 09:55	306 TOM	
Ae/AM/CE/ME 214B	3-0-6	Computational Solid Mechanics	01	Leroy	T 12:30 - 13:55	306 FIR	G
					W 16:00 - 17:25	306 FIR	
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM095B	4-0-8	Introductory Methods of Applied Mathematics	01	Phinney	MWF 11:00 - 11:55	119 KRK	
					W 13:00 - 13:55	119 KRK	
			02	Phinney	MWF 11:00 - 11:55	119 KRK	
					T 11:00 - 11:55	119 DWN	
			03	Phinney	MWF 11:00 - 11:55	119 KRK	
R 09:00 - 09:55	11 DWN						
04	Phinney	MWF 11:00 - 11:55	119 KRK				

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<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM095B	4-0-8	Introductory Methods of Applied Mathematics	04	Phinney	R 11:00 - 11:55	155 ARM	
			05	Phinney	MWF 11:00 - 11:55	119 KRK	
					W 14:00 - 14:55	119 DWN	
			06	Phinney	MWF 11:00 - 11:55	119 KRK	
					T 13:00 - 13:55	107 DWN	
			07	Phinney	MWF 11:00 - 11:55	119 KRK	
					T 14:00 - 14:55	155 ARM	
			08	Phinney	MWF 11:00 - 11:55	119 KRK	
					R 14:00 - 14:55	155 ARM	
			09	Phinney	MWF 11:00 - 11:55	119 KRK	
					R 16:00 - 16:55	119 DWN	
ACM100B	4-0-8	Introductory Methods of Applied Mathematics	01	Phinney	MWF 11:00 - 11:55	119 KRK	
					W 13:00 - 13:55	119 KRK	
			02	Phinney	MWF 11:00 - 11:55	119 KRK	
					T 11:00 - 11:55	119 DWN	
			03	Phinney	MWF 11:00 - 11:55	119 KRK	
					R 09:00 - 09:55	11 DWN	
			04	Phinney	MWF 11:00 - 11:55	119 KRK	
					R 11:00 - 11:55	155 ARM	
			05	Phinney	MWF 11:00 - 11:55	119 KRK	
					W 14:00 - 14:55	119 DWN	
			06	Phinney	MWF 11:00 - 11:55	119 KRK	
		T 13:00 - 13:55	107 DWN				
07	Phinney	MWF 11:00 - 11:55	119 KRK				
		T 14:00 - 14:55	155 ARM				
08	Phinney	MWF 11:00 - 11:55	119 KRK				
		R 14:00 - 14:55	155 ARM				
09	Phinney	MWF 11:00 - 11:55	119 KRK				
		R 16:00 - 16:55	119 DWN				

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<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM100B	4-0-8	Introductory Methods of Applied Mathematics	10	Phinney	MWF 11:00 - 11:55 M 14:00 - 14:55	119 KRK 119 DWN	
			11	Phinney	MWF 11:00 - 11:55 T 16:00 - 16:55	119 KRK 119 DWN	
ACM101B	3-0-6	Methods of Applied Mathematics I	01	Fatkullin	MTR 14:00 - 14:55	306 FIR	
ACM104	3-0-6	Linear Algebra	01	Deng	MWF 15:00 - 15:55	308 FIR	
ACM106B	3-0-6	Introductory Methods of Computational Mathematics	01	Schroder	TR 09:00 - 10:25	308 FIR	
Ma/ACM144A	3-0-6	Probability	01	Berger	T 12:00 - 13:55	159 SLN	
					R 12:00 - 12:55	151 SLN	
ACM190	+	Reading and Independent Study	01	Bruno	A	A	P
ACM201B	4-0-8	Partial Differential Equations	01	Hou	TR 10:30 - 11:55	308 FIR	
ACM210A	3-0-6	Numerical Methods for PDEs <i>Cancelled</i>	01	Staff	MWF 10:00 - 10:55	308 FIR	
ACM290B	1-0-0	Applied and Computational Mathematics Colloquium	01	Hou	M 16:15 - 17:10	101 GUG	P
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno	A	A	P
			02	Candes	A	A	P
			03	Cohen	A	A	P
			04	Hou	A	A	P
			05	Marsden	A	A	P
			06	Meiron	A	A	P
			07	Pierce	A	A	P
			08	Yung	A	A	P
<b>APPLIED MECHANICS</b>							

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<b>APPLIED MECHANICS</b>							
AM/ME 035B	3-0-6	Statics and Dynamics	01	Hall	MWF 14:00 - 14:55	206 TOM	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ravichandran	TR 09:00 - 10:25	101 GUG	
AM 125B	3-0-6	Engineering Mathematical Principles	01	Beck	TR 09:00 - 10:25	206 TOM	G
AM 151B	3-0-6	Dynamics and Vibrations	01	Iwan	MWF 09:00 - 09:55 R 16:00 - 16:55	010 TOM 010 TOM	G
AM 200	+	Special Problems in Advanced Mechanics	01	Beck	A	A	P
			02	Hall	A	A	P
			03	Iwan	A	A	P
			04	Phillips	A	A	P
			05	Rosakis	A	A	P
Ae/AM/ME 209B	1-0-0	Seminar in Solid Mechanics	01	Ravichandran	T 15:00 - 15:55	206 TOM	P
Ae/AM/MS/ME 213B	3-0-6	Mechanics and Materials Aspects of Fracture	01	Rosakis	MWF 09:00 - 09:55	306 TOM	
Ae/AM/CE/ME 214B	3-0-6	Computational Solid Mechanics	01	Leroy	T 12:30 - 13:55 W 16:00 - 17:25	306 FIR 306 FIR	G
AM 250	+	Research in Applied Mechanics	01	Beck	A	A	P
			02	Bhattacharya	A	A	P
			03	Brennen	A	A	P
			04	Burdick	A	A	P
			05	Culick	A	A	P
			06	Hall	A	A	P
			07	Iwan	A	A	P
			08	Murray	A	A	P
			09	Ortiz	A	A	P
			10	Phillips	A	A	P
			11	Ravichandran	A	A	P

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AM 250	+	Research in Applied Mechanics	12	Rosakis	A	A	P
			13	Tai	A	A	P
			14	Ustundag	A	A	P
			15	Lapusta	A	A	P
<b>APPLIED PHYSICS</b>							
APh/EE 009B	2-2-2	Solid-State Electronics for Integrated Circuits <i>Maximum enrollment: 80 students</i>	01	Scherer	R 10:00 - 10:55 F 13:00 - 13:55	070 MRE 070 MRE	
APh017B	3-0-6	Thermodynamics	01	Painter	TR 15:00 - 16:25	104 WAT	G
APh023	2-0-4	Demonstration Lectures in Optics <i>1st Class Meeting will be Friday January 9th, 2004</i>	01	Lee	MWF 14:30 - 15:55	102 STL	
APh077B	0-9-0	Laboratory in Applied Physics <i>Lab times are TBA</i>	01	Scherer	OM,W 15:00 - 15:55	080 MRE	
APh078B	+	Senior Thesis, Experimental	01	Bellan	A	A	P
			02	Painter	A	A	P
APh079B	+	Senior Thesis, Theoretical	01	Staff	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Brennen	MWF 10:00 - 10:55	101 GUG	G
Ae/APh 104B	1-3-5	Experimental Methods	01	Dimotakis	MWF 09:00 - 09:55	101 GUG	G
APh105B	3-0-6	States of Matter <i>Maximum enrollment: 45 students</i>	01	Johnson	TR 14:30 - 15:55	101 GUG	G
APh109B	0-6-3	Micro/Nanofabrication Laboratory <i>Organizational Meeting: 1/7/04 -- Maximum enrollment: 10 students</i>	01	Ghaffari	OM,W 16:00 - 16:55	250 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan	M 13:00 - 13:55	104 WAT	P

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<b>APPLIED PHYSICS</b>							
APh114B	3-0-6	Solid-State Physics <i>Maximum enrollment: 60 students</i>	01	Bockrath	TR 13:00 - 14:25	104 WAT	G
APh150	+	Topics in Applied Physics <i>Section 1) Group Theory -- Section 2) Quantum Optics ---- Maximum enrollment: 12 Students per section</i>	01	Vahala	A	A	P
			02	Crosignani / Vahala	A	A	P
APh156B	3-0-6	Plasma Physics	01	Bellan	TR 15:00 - 15:55 F 15:00 - 15:55	125 STL 104 WAT	
APh/BE 161	3-0-6	Physics of Biological Structure and Function	01	Phillips	TR 09:00 - 10:25	104 WAT	
EE/APh 180	3-0-6	Solid-State Devices	01	Scherer	R 13:00 - 13:55 F 14:00 - 14:55	070 MRE 070 MRE	
APh/EE 183B	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Atwater	MW 14:00 - 15:25	104 WAT	G
APh190B	3-0-6	Quantum Electronics	01	Crosignani	MW 10:30 - 11:55	104 WAT	G
APh200	+	Applied Physics Research	01	Atwater	A	A	P
			02	Barton	A	A	P
			03	Bellan	A	A	P
			04	Bockrath	A	A	P
			05	Corngold	A	A	P
			06	Cross	A	A	P
			07	Dimotakis	A	A	P
			08	Fraser	A	A	P
			09	Fultz	A	A	P
			10	Goddard	A	A	P
			11	Goldreich	A	A	P
			12	Goodstein	A	A	P
			13	Haile	A	A	P
			14	Johnson	A	A	P
			15	Libbrecht	A	A	P



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<b>APPLIED PHYSICS</b>							
APh200	+	Applied Physics Research	16	Mabuchi	A	A	P
			17	Marcus	A	A	P
			18	McGill	A	A	P
			19	Painter	A	A	P
			20	Phillips	A	A	P
			21	Psaltis	A	A	P
			22	Quake	A	A	P
			23	Roukes	A	A	P
			24	Rutledge	A	A	P
			25	Scherer	A	A	P
			26	Shepherd	A	A	P
			27	Tai	A	A	P
			28	Thorne	A	A	P
			29	Tombrello	A	A	P
			30	Vahala	A	A	P
			31	Yariv	A	A	P
			32	Yeh	A	A	P
			33	Zewail	A	A	P
			34	Winfree	A	A	P
			35	Jensen	A	A	P
36	Zmuidzinas	A	A	P			
37	Kornfield	A	A	P			
38	Pierce	A	A	P			
39	Preskill	A	A	P			
APh300	+	Thesis Research in Applied Physics	01	Atwater	A	A	P
			02	Bellan	A	A	P
			03	Cross	A	A	P
			04	Culick	A	A	P
			05	Dimotakis	A	A	P
			06	Fraser	A	A	P
			07	Fultz	A	A	P
			08	Goddard	A	A	P
			09	Goodstein	A	A	P

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<b>APPLIED PHYSICS</b>										
APh300	+	Thesis Research in Applied Physics	10	Gould	A	A	P			
			11	Johnson	A	A	P			
			12	Libbrecht	A	A	P			
			13	McGill	A	A	P			
			14	McKeown	A	A	P			
			15	Phillips	A	A	P			
			16	Pine	A	A	P			
			17	Quake	A	A	P			
			18	Roukes	A	A	P			
			19	Rutledge	A	A	P			
			20	Scherer	A	A	P			
			21	Tai	A	A	P			
			22	Thorne	A	A	P			
			23	Tombrello	A	A	P			
			24	Vahala	A	A	P			
			25	Yariv	A	A	P			
			26	Zewail	A	A	P			
			27	Shepherd	A	A	P			
			28	Painter	A	A	P			
			<b>ART HISTORY</b>							
			Art055	3-0-6	Art of the 19th Century	01	Bennett	MW 13:30 - 14:55	125 BAX	
			Art150	3-0-6	The Arts of Dynastic China	01	Wolfgram	TR 13:00 - 14:30	125 BAX	
			<b>ASTROPHYSICS</b>							
			Ay 021	3-0-6	Galaxies and Cosmology	01	Blain	OM,MWF 14:00 - 14:55	106 ROB	
			Ay 030	2-0-1	Current Trends in Astronomy <i>A. Sargent</i>	01	Sargent	OM,M 15:00 - 15:55	106 ROB	P

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<b>ASTROPHYSICS</b>							
Ay 043	+	Reading in Astronomy and Astrophysics	01	Blain	A	A	P
			02	Blandford	A	A	P
			03	Cohen	A	A	P
			04	Djorgovski	A	A	P
			05	Hillenbrand	A	A	P
			06	Phinney	A	A	P
			07	Readhead	A	A	P
			08	Sargent	A	A	P
			09	Sargent	A	A	P
			10	Scoville	A	A	P
Ay 078B	+	Senior Thesis	01	Blandford	A	A	P
			02	Djorgovski	A	A	P
			03	Hillenbrand	A	A	P
			04	Kamionkowski	A	A	P
			05	Phinney	A	A	P
			06	Readhead	A	A	P
			07	Sargent	A	A	P
			08	Sargent	A	A	P
			09	Scoville	A	A	P
Ay 102	3-0-6	Physics of the Interstellar Medium <i>A. Sargent</i>	01	Sargent / Scoville	OM,M 15:00 - 15:55	106 ROB	
Ay 124	3-0-6	Structure and Dynamics of Galaxies	01	Ellis	OM,M 15:00 - 15:55	106 ROB	
Ay 126	3-0-6	Interstellar Medium <i>A. Sargent</i>	01	Sargent / Scoville	OM,M 15:00 - 15:55	106 ROB	
Ge/Ay 132	3-0-6	Atomic and Molecular Processes in Astronomy and Planetary Sciences	01	Blake	OM,M 10:00 - 10:25	267 ARM	
Ay 141B	1-0-2	Research Conference in Astronomy <i>W. Sargent</i>	01	Hillenbrand / Sargent	OM,M 15:00 - 15:55	106 ROB	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Blain	A	A	P
			02	Blake	A	A	P

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<b>ASTROPHYSICS</b>										
Ay 142	+	Research in Astronomy and Astrophysics	03	Blandford	A	A	P			
			04	Brown	A	A	P			
			05	Cohen	A	A	P			
			06	Djorgovski	A	A	P			
			07	Ellis	A	A	P			
			08	Goldreich	A	A	P			
			09	Hillenbrand	A	A	P			
			10	Kamionkowski	A	A	P			
			11	Kulkarni	A	A	P			
			12	Lange	A	A	P			
			13	Libbrecht	A	A	P			
			14	Martin	A	A	P			
			15	Soifer	A	A	P			
			16	Phillips	A	A	P			
			17	Phinney	A	A	P			
			18	Readhead	A	A	P			
			19	Sargent	A	A	P			
			20	Sargent	A	A	P			
			21	Sari	A	A	P			
			22	Scoville	A	A	P			
			23	Steidel	A	A	P			
			24	Westphal	A	A	P			
			25	Zirin	A	A	P			
			26	McKeown	A	A	P			
			Ay 143	+	Reading and Independent Study	01	Blandford	A	A	P
						02	Cohen	A	A	P
03	Djorgovski	A				A	P			
04	Goldreich	A				A	P			
05	Hillenbrand	A				A	P			
06	Kulkarni	A				A	P			
07	Martin	A				A	P			
08	Phinney	A				A	P			
09	Readhead	A				A	P			

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<b>ASTROPHYSICS</b>							
Ay 143	+	Reading and Independent Study	10	Sargent	A	A	P
			11	Scoville	A	A	P
			12	Zirin	A	A	P
			13	Steidel	A	A	P
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB 176	3-0-6	The Molecular Basis of Protein Function <i>Biochemistry Graduate Students must take this course Grades, all others have option to Pass/Fail.</i>	01	Jensen / Roberts	TR 13:30 - 14:55	200 BRD	
Bi/BMB 251B	1-0-0	Current Research in Cellular and Molecular	01	Deshaies	W 12:00 - 12:55	24 BBB	
BMB299	+	Graduate Research	01	Mayo	A	A	P
			02	Deshaies	A	A	P
			03	Fraser	A	A	P
			04	Bjorkman	A	A	P
			05	Arnold	A	A	P
			06	Roberts	A	A	P
			07	Koch	A	A	P
			08	Campbell	A	A	P
			09	Goddard	A	A	P
			10	Rees	A	A	P
			11	Hsieh-Wilson	A	A	P
			12	Bronner-Fraser	A	A	P
			13	Parker	A	A	P
			14	Pierce	A	A	P
			15	Quake	A	A	P
			16	Davidson	A	A	P
			17	Mabuchi	A	A	P
18	Dougherty	A	A	P			
19	Collier	A	A	P			
20	Doyle	A	A	P			
21	Jensen	A	A	P			

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<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB299	+	Graduate Research	22	Elowitz	A	A	P
			23	Dervan	A	A	P
			24	Dunphy	A	A	P
			25	Tirrell	A	A	P
<b>BIOENGINEERING</b>							
BE 100A	0-1-0	Bioengineering Seminar	01	Dickinson	M 16:00 - 16:55	142 KCK	P
Aph/BE 161	3-0-6	Physics of Biological Structure and Function	01	Phillips	TR 09:00 - 10:25	104 WAT	
BE 201B	3-5-4	Physiology for Bioengineering	01	Fraser / Dickinson	MW 13:00 - 14:25	142 KCK	G
BE 250B	+	Research in Bioengineering	01	Gharib	A	A	P
			02	Burdick	A	A	P
			03	Fraser	A	A	P
			04	Arnold	A	A	P
			05	Quake	A	A	P
			06	Pine	A	A	P
			07	Dickinson	A	A	P
			08	Hajimiri	A	A	P
			09	Psaltis	A	A	P
			10	Davis	A	A	P
			11	Tai	A	A	P
			12	Mabuchi	A	A	P
			13	Lester	A	A	P
			14	Pierce	A	A	P
<b>BIOLOGY</b>							
Bi 008	3-0-6	Introduction to Molecular Biology: Organization and Expression of Genetic Information	01	Chan / Varshavsky	TR 13:00 - 14:25	119 KRK	P
Bi 012	3-0-6	Introduction to Developmental Biology	01	Bronner-Fraser	TR 09:30 - 10:55	100 - Rock Auditorium BRD	

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<b>BIOLOGY</b>							
Bi 022	+	Undergraduate Research	01	Abelson	A	A	P
			02	Alberola-Ila	A	A	P
			03	Allman	A	A	P
			04	Anderson	A	A	P
			05	Parker	A	A	P
			06	Attardi	A	A	P
			07	Baltimore	A	A	P
			08	Hay	A	A	P
			09	Benzer	A	A	P
			10	Bjorkman	A	A	P
			11	Bronner-Fraser	A	A	P
			12	Campbell	A	A	P
			13	Chan	A	A	P
			14	Davidson	A	A	P
			15	Deshaies	A	A	P
			16	Dunphy	A	A	P
			17	Fraser	A	A	P
			18	Kennedy	A	A	P
			19	Konishi	A	A	P
			20	Laurent	A	A	P
			21	Lester	A	A	P
			22	Lewis	A	A	P
			23	Mayo	A	A	P
			24	Meyerowitz	A	A	P
			25	Patterson	A	A	P
			26	Revel	A	A	P
			27	Rothenberg	A	A	P
			28	Schuman	A	A	P
			29	Shimojo	A	A	P
			30	Simon	A	A	P
			31	Sternberg	A	A	P
			32	Strauss	A	A	P
			33	Varshavsky	A	A	P

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<b>BIOLOGY</b>							
Bi 022	+	Undergraduate Research	34	Wold	A	A	P
			35	Zinn	A	A	P
			36	Venkatesh	A	A	P
			37	Newman	A	A	P
Bi 023	+	Biology Tutorial <i>1)Developmental Neurobiology--9units 2)Theories of Thought-- 6 units 3)Mechanism of membrane transport or protein-DNA interaction. Limit 15--9units 4) Genetics of Aging - Limit 10 -- 9 units</i>	01	Strauss	OM,W 16:00 - 16:55	11 BCK	P
			02	Strauss	OM,W 16:00 - 16:55	101 KRK	P
			03	Strauss	OM,W 16:00 - 16:55	300 BRD	P
			04	Strauss	OM,W 16:00 - 16:55	151 BRN	P
Bi 090B	+	Undergraduate Thesis	01	Revel	A	A	P
			02	Konishi	A	A	P
			03	Rothenberg	A	A	P
			04	Wold	A	A	P
			05	Benzer	A	A	P
			06	Meyerowitz	A	A	P
			07	Davidson	A	A	P
			08	Koch	A	A	P
			09	Staff	A	A	P
			10	Patterson	A	A	P
			11	Staff	A	A	P
			12	Schuman	A	A	P
			13	Sternberg	A	A	P
			14	Mayo	A	A	P
			15	Lester	A	A	P
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression <i>2 recitation locations: W 2-4pm in KRK 101 or CRL 151</i>	01	Campbell / Parker	TR 11:00 - 11:55	147 NYS	
					W 14:00 - 15:55	101 KRK	
					W 14:00 - 15:55	151 CRL	
Bi 114	4-0-8	Immunology	01	Rothenberg / Bjorkman / Alberola-Ila	MR 14:00 - 15:55	151 BRN	
Bi 123	2-8-2	Genetics Laboratory	01	Hay	R 13:00 - 13:55	101 KRK	
					R 13:00 - 16:55	317 KRK	



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<b>BIOLOGY</b>							
Bi 156	3-0-6	Molecular Basis of Behavior	01	Patterson / Zinn	MW 11:00 - 11:55 F 11:00 - 11:55	100 - Rock Auditorium BRD 3 BBB	
ESE/Bi 168	3-0-6	Microbial Diversity	01	Newman	TR 13:30 - 14:55	215 NMD	
CNS/Bi 172	3-0-3	Clinical Neuropsychology <i>Limited Enrollment: 12 Students</i>	01	Bogen	TR 14:30 - 15:55	239 MRE	
Bi 182	2-0-4	Developmental Gene Regulation and Evolution of Animals	01	Davidson	W 14:00 - 15:55	151 BRN	
CNS/Bi/EE 186	4-4-4	Vision: From Computational Theory to Neuronal Mechanisms	01	Perona / Shimojo / Koch	R 10:30 - 11:55	080 MRE	
Bi 212	2-0-4	Topics in Neuroethology	01	Konishi	OM,T 12:00 - 12:55	101 KRK	
Bi 225	2-0-4	Topics in Cellular and Molecular Genetics	01	Attardi	M 19:00 - 20:55	101 KRK	
Ge/Bi 244A	5-0-0	Paleobiology Seminar	01	Kirschvink	OM,M 10:30 - 10:55	267 ARM	
Ge/Bi 246	2-0-4	Geomicrobiology Seminar	01	Newman	F 15:00 - 16:55	212 NMD	
CNS/Bi 247	2-0-4	Cerebral Cortex	01	Andersen	T 14:00 - 15:55	333 BBB	G
Bi 250B	3-0-6	Adventures in Biology	01	Siapas / Laurent	MR 11:00 - 11:55	151 BRN	
Bi/BMB 251B	1-0-0	Current Research in Cellular and Molecular	01	Deshaies	W 12:00 - 12:55	24 BBB	
CNS/Bi 286B	3-3-3	Special Topics in Computation and Neural Systems	01	Staff	A	A	P
Bi 299	+	Graduate Research	01	Abelson	A	A	P
			02	Alberola-Ila	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	03	Allman	A	A	P
			04	Andersen	A	A	P
			05	Anderson	A	A	P
			06	Arnold	A	A	P
			07	Attardi	A	A	P
			08	Baltimore	A	A	P
			09	Benzer	A	A	P
			10	Bjorkman	A	A	P
			11	Bronner-Fraser	A	A	P
			12	Campbell	A	A	P
			13	Chan	A	A	P
			14	Davidson	A	A	P
			15	Deshaies	A	A	P
			16	Dickinson	A	A	P
			17	Dougherty	A	A	P
			18	Dunphy	A	A	P
			19	Fraser	A	A	P
			20	Goddard	A	A	P
			21	Hay	A	A	P
			22	Kennedy	A	A	P
			23	Koch	A	A	P
			24	Konishi	A	A	P
			25	Laurent	A	A	P
			26	Lester	A	A	P
			27	Lewis	A	A	P
			28	Mayo	A	A	P
			29	Meyerowitz	A	A	P
			30	Newman	A	A	P
			31	Parker	A	A	P
			32	Patterson	A	A	P
			33	Perona	A	A	P
			34	Pine	A	A	P
			35	Rees	A	A	P

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<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	36	Richards	A	A	P
			37	Rothenberg	A	A	P
			38	Siapas	A	A	P
			39	Schuman	A	A	P
			40	Shimojo	A	A	P
			41	Simon	A	A	P
			42	Sternberg	A	A	P
			43	Strauss	A	A	P
			44	Varshavsky	A	A	P
			45	Winfree	A	A	P
			46	Wold	A	A	P
			47	Jensen	A	A	P
			48	Quake	A	A	P
			49	Zinn	A	A	P
			50	Leadbetter	A	A	P
			51	Elowitz	A	A	P
52	Roberts	A	A	P			
53	Adolphs	A	A	P			
<b>BUSINESS ECONOMICS &amp; MANAGEMENT</b>							
BEM105	3-0-6	Options	01	Bossaerts	MW 13:30 - 14:55	25 BAX	
<b>CHEMICAL ENGINEERING</b>							
ChE010	2-0-1	Introduction to Chemical Engineering	01	Seinfeld	W 12:00 - 12:55	102 SPL	P
ChE063B	3-0-6	Chemical Engineering Thermodynamics	01	Asthagiri	MWF 15:00 - 15:55	106 SPL	G
ChE080	+	Undergraduate Research	01	Arnold	A	A	P
			02	Asthagiri	A	A	P
			03	Barton	A	A	P
			04	Beauchamp	A	A	P

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<b>CHEMICAL ENGINEERING</b>							
ChE080	+	Undergraduate Research	05	Bercaw	A	A	P
			06	Blake	A	A	P
			07	Brady	A	A	P
			08	Campbell	A	A	P
			09	Collier	A	A	P
			10	Davis	A	A	P
			11	Dervan	A	A	P
			12	Dougherty	A	A	P
			13	Flagan	A	A	P
			14	Gavalas	A	A	P
			15	Giapis	A	A	P
			16	Goddard	A	A	P
			17	Gray	A	A	P
			18	Grubbs	A	A	P
			19	Hsieh-Wilson	A	A	P
			20	Kornfield	A	A	P
			21	Kuppermann	A	A	P
			22	Lewis	A	A	P
			23	MacMillan	A	A	P
			24	Marcus	A	A	P
			25	Mayo	A	A	P
			26	McKoy	A	A	P
			27	Okumura	A	A	P
			28	Parker	A	A	P
			29	Peters	A	A	P
			30	Rees	A	A	P
			31	Richards	A	A	P
			32	Roberts	A	A	P
			33	Roberts	A	A	P
			34	Seinfeld	A	A	P
			35	Stoltz	A	A	P
			36	Tirrell	A	A	P
			37	Wang	A	A	P

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<b>CHEMICAL ENGINEERING</b>							
ChE080	+	Undergraduate Research	38	Weitekamp	A	A	P
			39	Zewail	A	A	P
ChE090A	+	Senior Thesis	01	Davis	A	A	P
			02	Arnold	A	A	P
ChE101	3-0-6	Chemical Reaction Engineering	01	Gavalas	MWR 10:00 - 10:55	102 SPL	G
ChE103B	3-0-6	Transport Phenomena <i>Taught concurrently with ME20</i>	01	Vicic	MWF 09:00 - 09:55	106 SPL	G
ChE110A	3-0-6	Optimal Design of Chemical Systems	01	Wagner	F 19:30 - 21:30	102 SPL	G
ChE126B	1-6-2	Chemical Engineering Laboratory	01	Giapis	TR 14:00 - 16:55	122 SPL	G
Ch/ChE 140A	4-0-2	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis	TR 13:00 - 14:30	132 NYS	G
Ch/ChE 147	3-0-6	Polymer Chemistry	01	Grubbs	TR 09:00 - 10:25	153 NYS	
ChE151B	3-0-9	Physical and Chemical Rate Processes	01	Brady	MWF 09:00 - 09:55	102 SPL	G
ChE/ESE 158	3-3-3	Aerosol Physics and Chemistry	01	Flagan	MWF 13:00 - 13:55	102 SPL	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang	TR 10:00 - 11:25	106 SPL	G
ChE280	+	Chemical Engineering Research	01	Arnold	A	A	P
			02	Asthagiri	A	A	P
			03	Barton	A	A	P
			04	Beauchamp	A	A	P
			05	Bercaw	A	A	P
			06	Blake	A	A	P
			07	Brady	A	A	P

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<b>CHEMICAL ENGINEERING</b>							
ChE280	+	Chemical Engineering Research	08	Atwater	A	A	P
			09	Collier	A	A	P
			10	Davis	A	A	P
			11	Dervan	A	A	P
			12	Dougherty	A	A	P
			13	Flagan	A	A	P
			14	Fraser	A	A	P
			15	Gavalas	A	A	P
			16	Giapis	A	A	P
			17	Goddard	A	A	P
			18	Gray	A	A	P
			19	Grubbs	A	A	P
			20	Hsieh-Wilson	A	A	P
			21	Kornfield	A	A	P
			22	Kuppermann	A	A	P
			23	Lewis	A	A	P
			24	MacMillan	A	A	P
			25	Marcus	A	A	P
			26	Mayo	A	A	P
			27	McKoy	A	A	P
			28	Okumura	A	A	P
			29	Parker	A	A	P
			30	Peters	A	A	P
			31	Rees	A	A	P
			32	Richards	A	A	P
			33	Roberts	A	A	P
			34	Roberts	A	A	P
			35	Stoltz	A	A	P
			36	Tirrell	A	A	P
			37	Wang	A	A	P
			38	Weitekamp	A	A	P
			39	Zewail	A	A	P
			40	Seinfeld	A	A	P

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<b>CHEMICAL ENGINEERING</b>							
ChE280	+	Chemical Engineering Research	41	Heath	A	A	P
			42	Scherer	A	A	P
			43	Smolke	A	A	P
			44	Yung	A	A	P
<b>CHEMISTRY</b>							
Ch 001B	4-0-5	General Chemistry	01	Heath / MacMillan	MTR 11:00 - 11:55	22 GTS	P
Ch 003A	0-5-1	Fundamental Techniques of Experimental Chemistry <i>Maximum enrollment per section: 20 students</i>	01	Raymond	M 08:00 - 09:55	107 MEAD	P
			02	Raymond	M 13:00 - 15:55	107 MEAD	P
					T 08:00 - 09:55	107 MEAD	
			03	Raymond	T 13:00 - 15:55	107 MEAD	P
					W 08:00 - 09:55	107 MEAD	
			04	Raymond	W 13:00 - 15:55	107 MEAD	P
R 08:00 - 09:55	107 MEAD						
05	Raymond	R 13:00 - 15:55	107 MEAD	P			
		F 08:00 - 09:55	107 MEAD				
Ch 004B	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>Organizational Meeting Monday, Jan. 5th 2pm in 132 Noyes</i> <i>Maximum enrollment per section: 12 students</i>	01	Raymond	M 14:00 - 14:55	132 NYS	
					T 08:00 - 10:55	105 MEAD	
					W 08:00 - 10:55	105 MEAD	
			02	Raymond	M 14:00 - 14:55	132 NYS	
					T 08:00 - 10:55	105 MEAD	
					R 08:00 - 10:55	105 MEAD	
			03	Raymond	M 14:00 - 14:55	132 NYS	
					T 08:00 - 10:55	105 MEAD	
					T 13:00 - 15:55	105 MEAD	
			04	Raymond	M 14:00 - 14:55	132 NYS	
					T 08:00 - 10:55	105 MEAD	
					W 13:00 - 15:55	105 MEAD	
05	Raymond	M 14:00 - 14:55	132 NYS				
		W 08:00 - 10:55	105 MEAD				
		W 08:00 - 10:55	105 MEAD				

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<b>CHEMISTRY</b>							
Ch 004B	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>Organizational Meeting Monday, Jan. 5th 2pm in 132 Noyes</i> <i>Maximum enrollment per section: 12 students</i>	05	Raymond	R 08:00 - 10:55	105 MEAD	
			06	Raymond	M 14:00 - 14:55	132 NYS	
					W 08:00 - 10:55	105 MEAD	
					T 13:00 - 15:55	105 MEAD	
			07	Raymond	M 14:00 - 14:55	132 NYS	
					W 08:00 - 10:55	105 MEAD	
					W 13:00 - 15:55	105 MEAD	
			08	Raymond	M 14:00 - 14:55	132 NYS	
					R 08:00 - 10:55	105 MEAD	
					T 13:00 - 15:55	105 MEAD	
		09	Raymond	M 14:00 - 14:55	132 NYS		
				R 08:00 - 10:55	105 MEAD		
				W 13:00 - 15:55	105 MEAD		
		10	Raymond	M 14:00 - 14:55	132 NYS		
				T 13:00 - 15:55	105 MEAD		
				W 13:00 - 15:55	105 MEAD		
Ch 005B	1-6-2	Advanced Techniques of Synthesis and Analysis	01	Peters	OM,M 13:00 - 13:55 W 13:00 - 13:55	27 GTS 27 GTS	G
Ch 006A	0-6-4	Application of Physical Methods to Chemical Problems	01	Beauchamp / Okumura / Collier	OM,T 14:00 - 14:55	33 NYS	G
Ch 010B	2-0-1	Frontiers in Chemistry <i>Lab Schedule will be determined during 1st class meeting</i>	01	Barton / Grubbs	R 12:00 - 13:55	115 BCK	P
Ch 021B	3-0-6	The Physical Description of Chemical Systems	01	Blake	MWF 13:00 - 13:55	151 CRL	G
Ch 024A	3-0-6	Introduction to Biophysical Chemistry	01	Rees	MWF 13:00 - 13:55	147 NYS	G
Ch 041B	3-0-6	Organic Chemistry	01	Hsieh-Wilson	MWF 09:00 - 09:55	153 NYS	
Ch 080	+	Chemical Research	01	Arnold	A	A	P
			02	Asthagiri	A	A	P



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<b>CHEMISTRY</b>							
Ch 080	+	Chemical Research	03	Barton	A	A	P
			04	Beauchamp	A	A	P
			05	Bercaw	A	A	P
			06	Blake	A	A	P
			07	Brady	A	A	P
			08	Campbell	A	A	P
			09	Collier	A	A	P
			10	Davis	A	A	P
			11	Dervan	A	A	P
			12	Dougherty	A	A	P
			13	Flagan	A	A	P
			14	Gavalas	A	A	P
			15	Giapis	A	A	P
			16	Goddard	A	A	P
			17	Gray	A	A	P
			18	Grubbs	A	A	P
			19	Hsieh-Wilson	A	A	P
			20	Kornfield	A	A	P
			21	Kuppermann	A	A	P
			22	Lewis	A	A	P
			23	MacMillan	A	A	P
			24	Marcus	A	A	P
			25	Mayo	A	A	P
			26	McKoy	A	A	P
			27	Okumura	A	A	P
			28	Parker	A	A	P
			29	Peters	A	A	P
			30	Rees	A	A	P
			31	Richards	A	A	P
			32	Roberts	A	A	P
			33	Roberts	A	A	P
			34	Seinfeld	A	A	P
			35	Stoltz	A	A	P

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<b>CHEMISTRY</b>							
Ch 080	+	Chemical Research	36	Tirrell	A	A	P
			37	Wang	A	A	P
			38	Weitekamp	A	A	P
			39	Zewail	A	A	P
			40	Heath	A	A	P
Ch 081	+	Independent Reading in Chemistry	01	Arnold	A	A	P
			02	Asthagiri	A	A	P
			03	Barton	A	A	P
			04	Beauchamp	A	A	P
			05	Bercaw	A	A	P
			06	Blake	A	A	P
			07	Brady	A	A	P
			08	Campbell	A	A	P
			09	Collier	A	A	P
			10	Davis	A	A	P
			11	Dervan	A	A	P
			12	Dougherty	A	A	P
			13	Flagan	A	A	P
			14	Gavalas	A	A	P
			15	Giapis	A	A	P
			16	Goddard	A	A	P
			17	Gray	A	A	P
			18	Grubbs	A	A	P
			19	Hsieh-Wilson	A	A	P
			20	Kornfield	A	A	P
			21	Kuppermann	A	A	P
			22	Lewis	A	A	P
			23	Mayo	A	A	P
			24	McKoy	A	A	P
			25	Okumura	A	A	P
			26	Parker	A	A	P
			27	Peters	A	A	P
			28	Rees	A	A	P

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<b>CHEMISTRY</b>							
Ch 081	+	Independent Reading in Chemistry	29	Richards	A	A	P
			30	Roberts	A	A	P
			31	Richards	A	A	P
			32	Roberts	A	A	P
			33	Stoltz	A	A	P
			34	Tirrell	A	A	P
			35	Wang	A	A	P
			36	Weitekamp	A	A	P
			37	Zewail	A	A	P
Ch 090	2-0-1	Oral Presentation	01	Bikle	T 13:00 - 14:55 R 13:00 - 14:55	151 CRL 151 CRL	P
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression <i>2 recitation locations: W 2-4pm in KRK 101 or CRL 151</i>	01	Campbell / Parker	TR 11:00 - 11:55 W 14:00 - 15:55 W 14:00 - 15:55	147 NYS 101 KRK 151 CRL	
Ch 121A	3-1-5	Atomic Level Simulations of Materials and Molecules	01	Goddard	MWF 14:00 - 14:55	115 BCK	G
Ch 125B	3-0-6	The Elements of Quantum Chemistry	01	McKoy	MWF 11:00 - 11:55	132 NYS	G
Ch 135B	3-0-6	Chemical Dynamics	01	Kuppermann	OM,W 13:30 - 14:25	132 NYS	
Ch/ChE 140A	4-0-2	Principles and Applications of Semiconductor Photoelectrochemistry	01	Lewis	TR 13:00 - 14:30	132 NYS	G
Ch 143	3-2-4	Basic FT NMR Spectroscopy <i>Offered to Graduate Students on Grades Only - - Undergraduates have option to Pass/Fail Course which must be approved by Professor</i>	01	Roberts	TR 10:30 - 11:55	132 NYS	
Ch/ChE 147	3-0-6	Polymer Chemistry	01	Grubbs	TR 09:00 - 10:25	153 NYS	
Ch 153	2-0-7	Advanced Inorganic Chemistry	01	Gray	F 10:00 - 11:55	27 GTS	G

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<b>CHEMISTRY</b>							
Ch 154A	3-0-6	Organometallic Chemistry	01	Bercaw	MW 09:00 - 10:25	147 NYS	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang	TR 10:00 - 11:25	106 SPL	G
ESE/Ch/Ge 175B	3-0-6	Environmental Organic Chemistry	01	Dalleska	MWF 10:00 - 10:55	106 SPL	
Ch 180	+	Chemical Research	01	Arnold	A	A	P
			02	Asthagiri	A	A	P
			03	Barton	A	A	P
			04	Beauchamp	A	A	P
			05	Bercaw	A	A	P
			06	Blake	A	A	P
			07	Brady	A	A	P
			08	Campbell	A	A	P
			09	Collier	A	A	P
			10	Davis	A	A	P
			11	Dervan	A	A	P
			12	Dougherty	A	A	P
			13	Flagan	A	A	P
			14	Gavalas	A	A	P
			15	Giapis	A	A	P
			16	Goddard	A	A	P
			17	Gray	A	A	P
			18	Grubbs	A	A	P
			19	Hsieh-Wilson	A	A	P
			20	Kornfield	A	A	P
			21	Kuppermann	A	A	P
			22	Lewis	A	A	P
			23	MacMillan	A	A	P
			24	Marcus	A	A	P
			25	Mayo	A	A	P
			26	McKoy	A	A	P

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<b>CHEMISTRY</b>							
Ch 180	+	Chemical Research	27	Okumura	A	A	P
			28	Parker	A	A	P
			29	Peters	A	A	P
			30	Rees	A	A	P
			31	Richards	A	A	P
			32	Roberts	A	A	P
			33	Roberts	A	A	P
			34	Seinfeld	A	A	P
			35	Stoltz	A	A	P
			36	Tirrell	A	A	P
			37	Wang	A	A	P
			38	Weitekamp	A	A	P
			39	Zewail	A	A	P
Ch 213B	1-0-11	Advanced Ligand Field Theory	01	Gray	F 13:00 - 13:55	408 BCK	G
Ch 242B	3-0-6	Chemical Synthesis	01	MacMillan	MW 14:00 - 15:25	147 NYS	G
Ch 250	+	Advanced Topics in Chemistry	01	Staff	A	A	
Ch 280	+	Chemical Research	01	Arnold	A	A	P
			02	Asthagiri	A	A	P
			03	Barton	A	A	P
			04	Beauchamp	A	A	P
			05	Bercaw	A	A	P
			06	Blake	A	A	P
			07	Brady	A	A	P
			08	Campbell	A	A	P
			09	Collier	A	A	P
			10	Davis	A	A	P
			11	Dervan	A	A	P
			12	Dougherty	A	A	P
			13	Flagan	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	14	Gavalas	A	A	P
			15	Giapis	A	A	P
			16	Goddard	A	A	P
			17	Gray	A	A	P
			18	Grubbs	A	A	P
			19	Hsieh-Wilson	A	A	P
			20	Kornfield	A	A	P
			21	Kuppermann	A	A	P
			22	Lewis	A	A	P
			23	MacMillan	A	A	P
			24	Marcus	A	A	P
			25	Mayo	A	A	P
			26	McKoy	A	A	P
			27	Okumura	A	A	P
			28	Parker	A	A	P
			29	Peters	A	A	P
			30	Rees	A	A	P
			31	Richards	A	A	P
			32	Roberts	A	A	P
			33	Roberts	A	A	P
			34	Seinfeld	A	A	P
			35	Stoltz	A	A	P
			36	Tirrell	A	A	P
			37	Wang	A	A	P
			38	Weitekamp	A	A	P
			39	Zewail	A	A	P
			40	Fraser	A	A	P
			41	Atwater	A	A	P
			42	Quake	A	A	P
			43	Davidson	A	A	P
			44	Pierce	A	A	P
			45	Hoffmann	A	A	P
			46	Wennberg	A	A	P

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<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	47	Heath	A	A	P
			48	Adkins	A	A	P
			49	Adami	A	A	P
<b>CIVIL ENGINEERING</b>							
CE 100	+	Special Topics in Civil Engineering	01	Hall	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Brennen	MWF 10:00 - 10:55	101 GUG	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ravichandran	TR 09:00 - 10:25	101 GUG	
CE 124	3-0-6	Special Problems In Structures	01	Staff	A	A	
CE 130B	1-0-0	Civil Engineering Seminar	01	Hall	R 16:00 - 16:55	206 TOM	P
CE 160B	3-0-6	Structural And Earthquake Engineering	01	Hall	TR 10:30 - 11:55	08 TOM	
CE 200	+	Advanced Work in Civil Engineering	01	Staff	A	A	P
			02	Staff	A	A	P
			03	Staff	A	A	P
			04	Staff	A	A	P
CE 201	+	Advanced Work in Structural Engineering	01	Staff	A	A	P
			02	Staff	A	A	P
			03	Staff	A	A	P
Ae/AM/CE/ME 214B	3-0-6	Computational Solid Mechanics	01	Leroy	T 12:30 - 13:55 W 16:00 - 17:25	306 FIR 306 FIR	G
CE 300	+	Research in Civil Engineering	01	Staff	A	A	P
			02	Staff	A	A	P
			03	Staff	A	A	P
			04	Iwan	A	A	P

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<b>CIVIL ENGINEERING</b>										
CE 300	+	Research in Civil Engineering	05	Staff	A	A	P			
			06	Staff	A	A	P			
			07	Staff	A	A	P			
			08	Staff	A	A	P			
			09	Hall	A	A	P			
			10	Beck	A	A	P			
			11	Heaton	A	A	P			
			12	Ortiz	A	A	P			
			13	Staff	A	A	P			
			<b>COMPUTATION &amp; NEURAL SYS</b>							
			CNS/Bi 172	3-0-3	Clinical Neuropsychology <i>Limited Enrollment: 12 Students</i>	01	Bogen	TR 14:30 - 15:55	239 MRE	
			CNS179	+	Reading in Computation and Neural Systems	01	Abu-Mostafa	A	A	P
						02	Adami	A	A	P
03	Allman	A				A	P			
04	Andersen	A				A	P			
05	Bruck	A				A	P			
06	Burdick	A				A	P			
07	Chandy	A				A	P			
08	Fraser	A				A	P			
09	Koch	A				A	P			
10	Konishi	A				A	P			
11	Perona	A				A	P			
12	Psaltis	A				A	P			
13	Schuman	A				A	P			
14	Shimojo	A				A	P			
15	Sternberg	A				A	P			
16	Wold	A				A	P			
17	Winfree	A				A	P			
CNS180	+	Research in Computation and Neural Systems	01	Abu-Mostafa	A	A	P			
			02	Adami	A	A	P			



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<b>COMPUTATION &amp; NEURAL SYS</b>										
CNS180	+	Research in Computation and Neural Systems	03	Allman	A	A	P			
			04	Bruck	A	A	P			
			05	Laurent	A	A	P			
			06	Burdick	A	A	P			
			07	Chandy	A	A	P			
			08	Fraser	A	A	P			
			09	Koch	A	A	P			
			10	Konishi	A	A	P			
			11	Perona	A	A	P			
			12	Psaltis	A	A	P			
			13	Schuman	A	A	P			
			14	Shimojo	A	A	P			
			15	Sternberg	A	A	P			
			16	Wold	A	A	P			
			17	Winfrey	A	A	P			
			18	Arnold	A	A	P			
			19	Siapas	A	A	P			
			20	Dickinson	A	A	P			
			21	Arnold	A	A	P			
			22	Andersen	A	A	P			
			23	Lester	A	A	P			
			24	Pine	A	A	P			
			CNS/Bi/EE 186	4-4-4	Vision: From Computational Theory to Neuronal Mechanisms	01	Perona / Shimojo / Koch	R 10:30 - 11:55	080 MRE	
			CNS/CS/EE 188A	3-0-6	Computation Theory and Neural Systems	01	Staff	OM,MW 13:00 - 14:25	080 MRE	G
CNS200	1-0-0	Introduction to Computation and Neural Systems <i>Limited Enrollment: 20 Students</i>	01	Koch	W 19:00 - 20:00	115 BCK	P			
CNS/Bi 247	2-0-4	Cerebral Cortex	01	Andersen	T 14:00 - 15:55	333 BBB	G			

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<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS280	+	Research in Computation and Neural Systems	01	Abu-Mostafa	A	A	P
			02	Koch	A	A	P
			03	Andersen	A	A	P
			04	Burdick	A	A	P
			05	Pine	A	A	P
			06	Winfrey	A	A	P
			07	Quartz	A	A	P
			08	Barr	A	A	P
			09	Allman	A	A	P
			10	Murray	A	A	P
			11	Konishi	A	A	P
			12	Davidson	A	A	P
			13	Laurent	A	A	P
			14	Sternberg	A	A	P
			15	Perona	A	A	P
			16	Psaltis	A	A	P
			17	Fraser	A	A	P
			18	Andersen	A	A	P
			19	Bruck	A	A	P
			20	Adami	A	A	P
			21	Shimojo	A	A	P
			22	Lester	A	A	P
			23	Wold	A	A	P
			24	Dickinson	A	A	P
			25	Hajimiri	A	A	P
			26	Schuman	A	A	P
CNS/Bi 286B	3-3-3	Special Topics in Computation and Neural Systems	01	Staff	A	A	P
<b>COMPUTER SCIENCE</b>							
CS 002	2-4-3	Introduction to Programming Methods	01	Barr	MW 14:00 - 14:55	74 JRG	P

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<b>COMPUTER SCIENCE</b>							
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Chan	MWF 13:00 - 13:55	159 SLN	
CS 011	0-3-0	Computer Language Shop	01	Brantley / Vanier	OM,M 20:00 - 20:55	74 JRG	
EE/CS/Mu 017B	+	Projects in Music and Science <i>Instructor's Permission Required</i> <i>Organizational Meeting Wed. Jan. 7th</i>	01	Boyk	OM,W 11:00 - 12:10	2c WINN	P
CS 021	3-0-6	Decidability and Tractability	01	Umans	MW 08:30 - 09:55	74 JRG	G
EE/CS 051	3-0-6	Principles of Microprocessor Systems	01	George	MWF 15:00 - 16:25	070 MRE	
EE/CS 053	+	Microprocessor Project Laboratory <i>(0-9-0) or (0-12-0) units offered</i>	01	George	OM,W 16:30 - 17:25	070 MRE	
EE/CS 054	+	Advanced Microprocessor Projects Laboratory	01	George	OM,W 16:30 - 17:25	070 MRE	
EE/CS 080B	+	Senior Thesis	01	Potter	A	A	P
CS 081B	+	Undergraduate Laboratory in Computer Science	01	Martin	A	A	P
			03	Barr	A	A	P
			04	Chandy	A	A	P
			05	DeHon	A	A	P
			06	George	A	A	P
			07	Hickey	A	A	P
			08	Low	A	A	P
			09	Murray	A	A	P
			10	Perona	A	A	P
			11	Schroder	A	A	P
			12	Schulman	A	A	P
			13	Winfree	A	A	P

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<b>COMPUTER SCIENCE</b>							
CS 090	+	Undergrad Research in Computer Science	01	Abu-Mostafa	A	A	P
			02	Schroder	A	A	P
			03	Barr	A	A	P
			04	Chandy	A	A	P
			05	DeHon	A	A	P
			06	George	A	A	P
			07	Hickey	A	A	P
			08	Low	A	A	P
			09	Murray	A	A	P
			10	Perona	A	A	P
			11	Martin	A	A	P
			12	Schulman	A	A	P
			13	Winfree	A	A	P
CS 101B	3-3-3	Special Topics in Computer Science <i>Section 1) Programming Languages, Part II</i> <i>Section 2) Logic Model Checking</i> <i>Section 3) Programming Language Semantics</i>	01	Hickey	MWF 15:00 - 15:55	74 JRG	
			02	Holzmann	TR 13:00 - 14:25	142 KCK	
			03	Hickey / Nogin	F 15:00 - 15:55	74 JRG	
CS 102B	2-0-1	Seminar in Computer Science: Design Patterns for Reconfigurable Computing	01	DeHon	M 18:00 - 19:55	84 JRG	
EE/CS 107B	+	Projects in Music and Science	01	Boyk	OM,W 11:00 - 12:10	2c WINN	P
CS/EE 137A	3-3-3	Electronic Design Automation	01	DeHon	MW 09:00 - 10:25	74 JRG	
CS 138A	3-0-6	Computer Algorithms	01	Kapur	TR 09:00 - 10:25	102 STL	
CS 141B	3-3-3	Distributed Computation Laboratory	01	Chandy	TR 10:30 - 11:55	74 JRG	
CS/EE 145B	3-3-3	Networking	01	Low	MW 13:00 - 14:25	287 JRG	

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<b>COMPUTER SCIENCE</b>							
CS 150	3-0-6	Probability and Algorithms	01	Schulman	MW 10:30 - 11:55	125 STL	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa	A	A	P
			02	DeHon	A	A	P
			03	Barr	A	A	P
			04	Chandy	A	A	P
			05	George	A	A	P
			06	Hickey	A	A	P
			07	Low	A	A	P
			08	Martin	A	A	P
			09	Murray	A	A	P
			10	Perona	A	A	P
			11	Schroder	A	A	P
			12	Schulman	A	A	P
			13	Winfrey	A	A	P
			14	Wold	A	A	P
CS 185A	3-3-3	Asynchronous VISI Design Laboratory	01	Martin	TR 13:15 - 14:35	74 JRG	G
CNS/CS/EE 188A	3-0-6	Computation Theory and Neural Systems	01	Staff	OM,MW 13:00 - 14:25	080 MRE	G
Ph/CS 219B	3-0-6	Quantum Computation	01	Kitaev	T 13:00 - 14:25	123 LAU	
					R 14:30 - 15:55	269 LAU	
CS 280	+	Research in Computer Science	01	Abu-Mostafa	A	A	P
			02	Umans	A	A	P
			03	Barr	A	A	P
			04	Chandy	A	A	P
			05	DeHon	A	A	P
			06	George	A	A	P
			07	Hickey	A	A	P
			08	Low	A	A	P
			09	Martin	A	A	P

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<b>COMPUTER SCIENCE</b>							
CS 280	+	Research in Computer Science	10	Murray	A	A	P
			11	Perona	A	A	P
			12	Schroder	A	A	P
			13	Schulman	A	A	P
			14	Winfree	A	A	P
CS 282B	+	Reading in Computer Science	01	Abu-Mostafa	A	A	P
			02	Staff	A	A	P
			03	Barr	A	A	P
			04	Chandy	A	A	P
			05	DeHon	A	A	P
			06	George	A	A	P
			07	Hickey	A	A	P
			08	Low	A	A	P
			09	Murray	A	A	P
			10	Perona	A	A	P
			11	Schroder	A	A	P
			12	Schulman	A	A	P
			13	Winfree	A	A	P
CS 286B	+	Seminar In Computer Science	01	Staff	A	A	P
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS110B	3-0-6	Introduction to Control of Physical Systems	01	MacMartin	MW 13:30 - 14:55	306 TOM	
CDS140B	3-0-6	Introduction to Dynamics	01	Koon	TR 09:30 - 10:55	125 STL	
CDS202	3-0-6	Geometry of Nonlinear Systems	01	Murray	MWF 08:30 - 09:55	125 STL	
CDS213	3-0-6	Robust Control	01	Goncalves	TR 13:30 - 14:55	125 STL	

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<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS300	+	Research in Control and Dynamical Systems	01	Perona	A	A	P
			02	Murray	A	A	P
			03	Koch	A	A	P
			04	Doyle	A	A	P
			05	Marsden	A	A	P
			06	Arvo	A	A	P
			07	Burdick	A	A	P
			08	Bossaerts	A	A	P
			09	Mabuchi	A	A	P
			10	Quartz	A	A	P
<b>CORE</b>							
Core001A	1-0-0	Science Writing <i>Maximum enrollment: 120 students</i>	01	Pierce	OM,W 15:00 - 15:55	119 KRK	P
Core001B	2-0-0	Scientific Writing <i>Maximum enrollment: 120 students</i>	01	Pierce	A	A	G
<b>ECONOMICS</b>							
Ec 011	3-0-6	Introduction to Economics	01	Wilkie	MWF 13:00 - 13:55	LecHall BAX	
Ec 101	3-0-6	Selected Topics In Economics: Topics in Corporate Finance	01	Dubin	A	A	
Ec 105	3-0-6	Industrial Organization	01	Wilkie	MW 10:30 - 11:55	127 BAX	
Ec 121B	3-0-6	Theory of Value	01	Chambers	TR 10:30 - 11:55	25 BAX	
Ec 122	3-0-6	Econometrics	01	Grether	TR 14:30 - 15:55	125 BAX	
Ec/SS 130	3-0-6	Economic History of Europe from the Middle Ages to the Industrial Revolution <i>Maximum enrollment: 30 students</i>	01	Hoffman	TR 13:00 - 14:25	25 BAX	

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<b>ECONOMICS</b>							
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences	01	Plott	TR 08:30 - 09:55	218 BAX	
<b>ELECTRICAL ENGINEERING</b>							
Aph/EE 009B	2-2-2	Solid-State Electronics for Integrated Circuits <i>Maximum enrollment: 80 students</i>	01	Scherer	R 10:00 - 10:55 F 13:00 - 13:55	070 MRE 070 MRE	
EE/CS/Mu 017B	+	Projects in Music and Science <i>Instructor's Permission Required Organizational Meeting Wed. Jan. 7th</i>	01	Boyk	OM,W 11:00 - 12:10	2c WINN	P
EE 020B	3-3-3	Electronics Laboratory	01	Rutledge	TR 14:30 - 15:55	070 MRE	
EE/CS 051	3-0-6	Principles of Microprocessor Systems	01	George	MWF 15:00 - 16:25	070 MRE	
EE/CS 053	+	Microprocessor Project Laboratory <i>(0-9-0) or (0-12-0) units offered</i>	01	George	OM,W 16:30 - 17:25	070 MRE	
EE/CS 054	+	Advanced Microprocessor Projects Laboratory	01	George	OM,W 16:30 - 17:25	070 MRE	
EE 055	0-9-0	Advanced Digital Design Laboratory	01	George	OM,W 16:30 - 17:25	070 MRE	
EE/CS 080B	+	Senior Thesis	01	Potter	A	A	P
EE 091B	+	Experimental Projects in Electronic Circuits <i>2 Organizational Meetings 1) M 1/5/04 3pm 080 Moore 2) R 1/15/04 4pm 080 Moore</i>	01	Megdal	OM,M 15:00 - 15:55	080 MRE	
EE 099	+	Advanced Work in Electrical Engineering	01 02	George Perona	A A	A A	P P
EE/CS 107B	+	Projects in Music and Science	01	Boyk	OM,W 11:00 - 12:10	2c WINN	P



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<b>ELECTRICAL ENGINEERING</b>							
EE 112A	3-0-6	Digital Signal Processing	01	Vaidyanathan	TR 13:00 - 14:25	080 MRE	
EE 114B	3-0-6	Analog Circuit Design	01	Hajimiri	WF 10:00 - 11:25	080 MRE	
Ph/EE 118	3-0-6	Low-Noise Electronic Measurement	01	Roukes	TF 14:30 - 15:55	107 DWN	P
EE/Ma 126B	3-0-6	Information Theory	01	McEliece	MWF 09:00 - 10:25	070 MRE	
EE/Ma 127A	3-0-6	Error-Correcting Codes	01	Kiely	TR 14:30 - 15:55	080 MRE	
CS/EE 137A	3-3-3	Electronic Design Automation	01	DeHon	MW 09:00 - 10:25	74 JRG	
CS/EE 145B	3-3-3	Networking	01	Low	MW 13:00 - 14:25	287 JRG	
EE 150	+	Topics in Electrical Engineering	01	Murray	A	A	G
EE 151	3-2-7	Electromagnetic Engineering	01	Psaltis	TR 10:30 - 11:55	142 KCK	
EE/Ge 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Van Zyl	W 12:30 - 13:55 F 12:00 - 13:25	104 WAT 104 WAT	G
EE 160	3-0-6	Communication-System Fundamental	01	Hassibi	TR 09:00 - 10:25	74 JRG	
EE 163A	3-0-6	Communication Theory	01	Arabshahi	MR 16:00 - 17:25	080 MRE	G
EE/APh 180	3-0-6	Solid-State Devices	01	Scherer	R 13:00 - 13:55 F 14:00 - 14:55	070 MRE 070 MRE	
APh/EE 183B	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	Atwater	MW 14:00 - 15:25	104 WAT	G

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<b>ELECTRICAL ENGINEERING</b>							
CNS/Bi/EE 186	4-4-4	Vision: From Computational Theory to Neuronal Mechanisms	01	Perona / Shimojo / Koch	R 10:30 - 11:55	080 MRE	
CNS/CS/EE 188A	3-0-6	Computation Theory and Neural Systems	01	Staff	OM,MW 13:00 - 14:25	080 MRE	G
EE 243B	3-0-3	Quantum Electronics Seminar	01	Yariv	W 17:00 - 17:55	104 WAT	P
EE 291	+	Advanced Work in Electrical Engineering	01	Abu-Mostafa	A	A	P
			02	Barish	A	A	P
			03	Bruck	A	A	P
			04	Burdick	A	A	P
			05	Culick	A	A	P
			06	Doyle	A	A	P
			07	Effros	A	A	P
			08	Fraser	A	A	P
			09	George	A	A	P
			10	Gould	A	A	P
			11	Hajimiri	A	A	P
			12	Hassibi	A	A	P
			13	Koch	A	A	P
			14	Low	A	A	P
			15	McEliece	A	A	P
			16	McGill	A	A	P
			17	Murray	A	A	P
			18	Perona	A	A	P
			19	Phillips	A	A	P
			20	Perona	A	A	P
			21	Pine	A	A	P
			22	Psaltis	A	A	P
			23	Quake	A	A	P
			24	Quartz	A	A	P
			25	Rutledge	A	A	P
			26	Scherer	A	A	P

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<b>ELECTRICAL ENGINEERING</b>							
EE 291	+	Advanced Work in Electrical Engineering	27	Scoville	A	A	P
			28	Tai	A	A	P
			29	Vaidyanathan	A	A	P
			30	Yariv	A	A	P
			31	Zmuidzinas	A	A	P
			32	Roukes	A	A	P
			33	Avouac	A	A	P
			34	Weinreb	A	A	P
			35	Painter	A	A	P
			36	Martin	A	A	P
			37	Yang	A	A	P
<b>ENGINEERING</b>							
E 010	1-0-2	Technical Seminar Presentations	01	Fender	OM,T 19:30 - 20:25 M 09:00 - 09:55	142 KCK	G
			02	Fender	OM,T 19:30 - 20:25 M 10:00 - 10:55	142 KCK	G
			03	Fender	OM,T 19:30 - 20:25 M 11:00 - 11:55	142 KCK	G
			04	Fender	OM,T 19:30 - 20:25 W 09:00 - 09:55	142 KCK	G
			05	Fender	OM,T 19:30 - 20:25 W 10:00 - 10:55	142 KCK	G
			06	Fender	OM,T 19:30 - 20:25 W 11:00 - 11:55	142 KCK	G
			07	Fender	OM,T 19:30 - 20:25 F 09:00 - 09:55	142 KCK	G
			08	Fender	OM,T 19:30 - 20:25 F 10:00 - 10:55	142 KCK	G
			09	Fender	OM,T 19:30 - 20:25 F 11:00 - 11:55	142 KCK	G
			E 102	3-0-6	Entrepreneurial Development	01	Pickar

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<b>ENGINEERING</b>							
E 150B	1-0-0	Engineering Seminar	01	Heaton	A	A	P
<b>ENGLISH</b>							
En 001B	3-0-6	English as a Second Language (3-0-6) or (4-0-5) Units Offered	01	Fonseca	TR 14:00 - 15:55	08 TOM	
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE090	+	Undergraduate Laboratory Research in Environmental Engineering Science	01	Yung	A	A	P
			02	Flagan	A	A	P
			03	Hering	A	A	P
			04	Hoffmann	A	A	P
			05	Ingersoll	A	A	P
			06	Leadbetter	A	A	P
			07	Newman	A	A	P
			08	Randerson	A	A	P
			09	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Schneider	A	A	P
ESE100	+	Special Topics in Environmental Engineering Science	01	Schneider	A	A	P
			02	Flagan	A	A	P
			03	Hering	A	A	P
			04	Hoffmann	A	A	P
			05	Ingersoll	A	A	P
			06	Leadbetter	A	A	P
			07	Newman	A	A	P
			08	Randerson	A	A	P
			09	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Yung	A	A	P
ESE142	3-0-6	Aquatic Chemistry	01	Hering	MWF 14:00 - 14:55	102 SPL	

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE/Ge 148B	3-0-6	Global Environmental Science: Atmosphere-Ocean Circulations	01	Ingersoll	OM,M 10:00 - 10:25	162 SMD	
ESE150B	1-0-0	Seminar in Environmental Science and Engineering	01	Leadbetter	W 16:00 - 16:55	142 KCK	P
ESE/Ge 152	3-0-6	Atmospheric Radiation	01	Yung / Sander	MWF 11:00 - 11:55	215 NMD	
ChE/ESE 158	3-3-3	Aerosol Physics and Chemistry	01	Flagan	MWF 13:00 - 13:55	102 SPL	
ESE/Bi 168	3-0-6	Microbial Diversity	01	Newman	TR 13:30 - 14:55	215 NMD	
ESE/Ch/Ge 175B	3-0-6	Environmental Organic Chemistry	01	Dalleska	MWF 10:00 - 10:55	106 SPL	
ESE200	+	Advanced Topics in Environmental Engineering	01	Yung	A	A	P
			02	Flagan	A	A	P
			03	Hering	A	A	P
			04	Hoffmann	A	A	P
			05	Ingersoll	A	A	P
			06	Leadbetter	A	A	P
			07	Newman	A	A	P
			08	Randerson	A	A	P
			09	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Schneider	A	A	P
ESE250	+	Advanced Environmental Seminar	01	Yung	A	A	P
			02	Flagan	A	A	P
			03	Hering	A	A	P
			04	Hoffmann	A	A	P
			05	Ingersoll	A	A	P
			06	Leadbetter	A	A	P
			07	Newman	A	A	P
			08	Randerson	A	A	P

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<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE250	+	Advanced Environmental Seminar	09	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Schneider	A	A	P
ESE300	+	Thesis Research	01	Adkins	A	A	P
			02	Flagan	A	A	P
			03	Hering	A	A	P
			04	Hoffmann	A	A	P
			05	Ingersoll	A	A	P
			06	Leadbetter	A	A	P
			07	Newman	A	A	P
			08	Randerson	A	A	P
			09	Yung	A	A	P
			10	Wennberg	A	A	P
			11	Schneider	A	A	P
			12	Seinfeld	A	A	P
<b>GEOLOGICAL &amp; PLANETARY SCIENCE</b>							
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	01	Rossmann	A	A	P
			02	Kirschvink	A	A	P
			03	Kanamori	A	A	P
			04	Saleeby	A	A	P
			05	Rossmann	A	A	P
			06	Stevenson	A	A	P
			07	Stock	A	A	P
Ge 277	1-3-2	Quaternary Tectonics Seminar	01	Avouac	F 11:00 - 11:55	365 SMD	
<b>GEOLOGY</b>							
Ge 011B	3-3-3	Introduction to Earth and Planetary Sciences	01	Kirschvink	M 13:00 - 13:55 M 13:00 - 13:55 W 19:00 - 21:55 R 09:00 - 09:55	251 ARM 251 ARM 251 ARM 251 ARM	

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<b>GEOLOGY</b>							
Ge 040	+	Special Problems for Undergraduates	01	Rossman	A	A	P
			02	Albee	A	A	P
			03	Kamb	A	A	P
			04	Yung	A	A	P
			05	Staff	A	A	P
			06	Asimow	A	A	P
			07	Helmberger	A	A	P
			08	Kanamori	A	A	P
			09	Staff	A	A	P
			10	Burnett	A	A	P
			11	Ingersoll	A	A	P
			12	Kirschvink	A	A	P
			13	Sieh	A	A	P
			14	Stevenson	A	A	P
			15	Murray	A	A	P
			16	Staff	A	A	P
Ge 066	3-0-6	Planet Earth	01	Gurnis / Clayton	MWF 09:00 - 09:55	162 SMD	
Ge 100B	1-0-0	Geology Club	01	Kirschvink	R 16:00 - 16:55	151 ARM	P
Ge 102	3-0-6	Introduction to Geophysics	01	Stevenson	MWF 10:00 - 10:55	215 NMD	
Ge 104	3-0-6	Introduction to Geobiology	01	Kirschvink	M 13:00 - 13:55	251 ARM	
					M 13:00 - 13:55	251 ARM	
					W 19:00 - 21:55	251 ARM	
					R 09:00 - 09:55	251 ARM	
Ge 115A	+	Petrology and Petrography: Igneous Petrology and Petrography <i>(3-6-3) or (3-0-3) units offered</i>	01	Stolper	MWR 10:00 - 10:55	251 ARM	
Ge 121A	0-9-3	Advanced Field and Structural Geology	01	Stock	W 11:00 - 11:55	251 ARM	

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<b>GEOLOGY</b>							
Ge/Ay 132	3-0-6	Atomic and Molecular Processes in Astronomy and Planetary Sciences	01	Blake	OM,M 10:00 - 10:25	267 ARM	
Ge 134	3-1-5	Planetary Cratering and Collisional Processes	01	Ahrens	OM,M 13:00 - 13:25	162 SMD	
Ge 135	3-0-3	Regional Geology of Southern California (Seminar)	01	Silver / Saleeby	OM,T 19:30 - 20:55	151 ARM	
Ge 136B	1-0-2	Regional Field Geology of the Southwestern United States	01	Kirschvink	OM,F 09:00 - 09:25	267 ARM	P
Ge 140A	2-0-7	Introduction to Isotope Geochemistry	01	Eiler / Farley	OM,M 09:00 - 09:25	215 NMD	
ESE/Ge 148B	3-0-6	Global Environmental Science: Atmosphere-Ocean Circulations	01	Ingersoll	OM,M 10:00 - 10:25	162 SMD	
Ge 150	3-0-6	Planetary Atmospheres	01	Richardson	OM,M 14:00 - 14:25	162 SMD	
Ge 151B	3-0-3	Topics in Planetary Surfaces	01	Albee / Aharonson	OM,M 09:00 - 09:25	176 SMD	
ESE/Ge 152	3-0-6	Atmospheric Radiation	01	Yung / Sander	MWF 11:00 - 11:55	215 NMD	
EE/Ge 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Van Zyl	W 12:30 - 13:55 F 12:00 - 13:25	104 WAT 104 WAT	G
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Lapusta	TR 10:30 - 11:55	306 TOM	
Ge 162	3-0-6	Seismology	01	Kanamori	MF 10:00 - 10:55 T 13:00 - 13:55	162 SMD 162 SMD	
Ge 165B	3-0-6	Geophysical Data Analysis	01	Staff	A	A	
Ge 168	3-0-6	Crustal Geophysics	01	Clayton	W 11:00 - 11:55 TR 13:00 - 13:55	212 NMD 212 NMD	



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<b>GEOLOGY</b>							
Ge 169A	+	Readings in Geophysics	01	Staff	A	A	P
ESE/Ch/Ge 175B	3-0-6	Environmental Organic Chemistry	01	Dalleska	MWF 10:00 - 10:55	106 SPL	
Ge 177A	3-3-6	Geology of Earthquakes	01	Sieh	OM,M 09:30 - 09:55	215 NMD	
Ge 179B	1-0-0	Seismological Laboratory Seminar	01	Helmberger	F 16:00 - 16:55	256 SMD	P
Ge 194	+	Special Topics in the Planetary Sciences: Extrasolar Planets	01	Kulkarni / Sari	A A A	A A A	P
Ge 211	+	Applied Geophysics II	01	Stock / Clayton / Gurnis	A	A	
Ge 215B	3-6-3	Topics in Advanced Petrology: Advanced Igneous Petrology	01	Asimow	OM,M 11:00 - 11:25	215 NMD	
Ge 225B	1-0-0	Planetary Sciences Seminar	01	Brown	T 16:00 - 16:55	251 ARM	
Ge 232	3-0-6	Chemistry of the Solar System	01	Burnett	OM,M 02:30 - 02:55	215 NMD	
Ge/Bi 244A	5-0-0	Paleobiology Seminar	01	Kirschvink	OM,M 10:30 - 10:55	267 ARM	
Ge/Bi 246	2-0-4	Geomicrobiology Seminar	01	Newman	F 15:00 - 16:55	212 NMD	
Ge 282B	1-0-0	Division Seminar	01	Tromp	M 16:00 - 16:55	155 ARM	P
Ge 297	+	Advanced Study	01	Adkins	A	A	P
			02	Ahrens	A	A	P
			03	Albee	A	A	P
			04	Asimow	A	A	P

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<b>GEOLOGY</b>							
Ge 297	+	Advanced Study	05	Blake	A	A	P
			06	Brown	A	A	P
			07	Clayton	A	A	P
			08	Eiler	A	A	P
			09	Farley	A	A	P
			10	Avouac	A	A	P
			11	Gurnis	A	A	P
			12	Heaton	A	A	P
			13	Helmberger	A	A	P
			14	Ingersoll	A	A	P
			15	Kanamori	A	A	P
			16	Kirschvink	A	A	P
			17	Murray	A	A	P
			18	Newman	A	A	P
			19	Randerson	A	A	P
			20	Richardson	A	A	P
			21	Rosakis	A	A	P
			22	Rossman	A	A	P
			23	Saleeby	A	A	P
			24	Sieh	A	A	P
			25	Simons	A	A	P
			26	Stevenson	A	A	P
			27	Stock	A	A	P
			28	Stolper	A	A	P
			29	Kulkarni	A	A	P
			30	Tromp	A	A	P
			31	Wasserburg	A	A	P
			32	Wennberg	A	A	P
			33	Wernicke	A	A	P
			34	Aharonson	A	A	P
			35	Yung	A	A	P
			36	Lapusta	A	A	P

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<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	01	Adkins	A	A	P
			02	Ahrens	A	A	P
			03	Albee	A	A	P
			04	Asimow	A	A	P
			05	Blake	A	A	P
			06	Brown	A	A	P
			07	Clayton	A	A	P
			08	Eiler	A	A	P
			09	Farley	A	A	P
			10	Goldreich	A	A	P
			11	Heaton	A	A	P
			12	Helmberger	A	A	P
			13	Ingersoll	A	A	P
			14	Kanamori	A	A	P
			15	Kirschvink	A	A	P
			16	Murray	A	A	P
			17	Newman	A	A	P
			18	Randerson	A	A	P
			19	Richardson	A	A	P
			20	Rosakis	A	A	P
			21	Rossmann	A	A	P
			22	Saleeby	A	A	P
			23	Sieh	A	A	P
			24	Simons	A	A	P
			25	Stevenson	A	A	P
			26	Stock	A	A	P
			27	Stolper	A	A	P
			28	Taylor	A	A	P
			29	Tromp	A	A	P
			30	Wasserburg	A	A	P
			31	Yung	A	A	P
			32	Aharonson	A	A	P
			33	Lapusta	A	A	P

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<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	34	Wernicke	A	A	P
<b>HISTORY</b>							
Hum/H 003A	3-0-6	European Civilization: The Classical and Medieval Worlds <i>Maximum enrollment: 15 students</i>	01	Brown	T 09:00 - 10:55 R 09:00 - 09:55	33 BAX 33 BAX	
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Maximum enrollment: 15 students per section</i>	01 02	Brewer Hoffman	T 14:00 - 15:55 R 14:00 - 14:55 T 09:00 - 10:55 R 09:00 - 09:55	315 BAX 315 BAX 127 BAX 127 BAX	
Hum/H 003C	3-0-6	European Civilization: Modern Europe <i>Maximum enrollment: 15 students per section</i>	01 02	Kormos-Buchwald Rosenstone	W 19:00 - 21:55 T 14:00 - 15:55 R 14:00 - 14:55	080 MRE 127 BAX 127 BAX	
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Maximum enrollment: 15 students</i>	01	Feingold	T 19:00 - 21:55	25 BAX	
H 040	+	Reading in History	01	Staff	A	A	P
H 097A	+	Junior Tutorial	01 02 03 04	Brown Deverell Gross Buchwald	A A A A	A A A A	P P P P
H 098B	+	Senior Tutorial	01	Staff	A	A	P
H 099B	1-0-8	Research Tutorial	01 02 03	Brown Deverell Hoffmann	A A A	A A A	P P P
H 108B	3-0-6	The High Middle Ages	01	Brown	TRF 12:00 - 12:55	218 BAX	

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<b>HISTORY</b>							
H 115B	3-0-6	British History <i>Maximum enrollment: 15 students</i>	01	Feingold	W 19:00 - 22:00	315 BAX	
H 140	3-0-6	History of Los Angeles	01	Deverell	TR 14:30 - 15:55	25 BAX	
H/PS 148A	3-0-6	The Supreme Court in U.S. History	01	Kousser	T 19:30 - 22:25	127 BAX	G
H 161	3-0-6	Selected Topics in History <i>Society, Culture and Technique in Ancient Mesopotamia</i> *Course description available at <a href="http://www.hss.caltech.edu/courses">www.hss.caltech.edu/courses</a> <i>Maximum enrollment: 20 students</i>	01	Buchwald	W 19:00 - 21:55	237 BAX	
H 170A	3-0-6	Studies in Narrative: History, Fiction, and Storytelling	01	Brewer	TR 10:30 - 11:55	128 BAX	
HPS/H 171A	3-0-6	History of Mechanics from Galileo through Euler <i>Maximum enrollment: 12 students</i>	01	Buchwald	TR 14:30 - 15:55	128 BAX	
<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Maximum enrollment: 15 students</i>	01	Feingold	T 19:00 - 21:55	25 BAX	
HPS/PI 126	3-0-6	Foundations of Probability and Inductive Inference	01	Hajek	WR 13:00 - 14:25	210 BAX	
HPS/PI 127	3-0-6	Paradoxes	01	Hajek	WR 14:30 - 15:55	210 BAX	
HPS/PI 134	3-0-6	Current Issues in Philosophical Psychology *Course description available at <a href="http://www.hss.caltech.edu/courses">www.hss.caltech.edu/courses</a>	01	Murphy	MW 14:30 - 15:55	127 BAX	
HPS/PI 169	3-0-6	Selected Topics in Philosophy of Science <i>Broken Brains and Changing Minds</i> *Course description available at <a href="http://www.hss.caltech.edu/courses">www.hss.caltech.edu/courses</a> *	01	Quartz	T 19:00 - 21:55	315 BAX	

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<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
HPS/H 171A	3-0-6	History of Mechanics from Galileo through Euler <i>Maximum enrollment: 12 students</i>	01	Buchwald	TR 14:30 - 15:55	128 BAX	
<b>HUMANITIES</b>							
Hum/H 003A	3-0-6	European Civilization: The Classical and Medieval Worlds <i>Maximum enrollment: 15 students</i>	01	Brown	T 09:00 - 10:55 R 09:00 - 09:55	33 BAX 33 BAX	
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Maximum enrollment: 15 students per section</i>	01	Brewer	T 14:00 - 15:55 R 14:00 - 14:55	315 BAX 315 BAX	
			02	Hoffman	T 09:00 - 10:55 R 09:00 - 09:55	127 BAX 127 BAX	
Hum/H 003C	3-0-6	European Civilization: Modern Europe <i>Maximum enrollment: 15 students per section</i>	01	Kormos-Buchwald	W 19:00 - 21:55	080 MRE	
			02	Rosenstone	T 14:00 - 15:55 R 14:00 - 14:55	127 BAX 127 BAX	
Hum/Lit 005	3-0-6	Major British Authors <i>Maximum enrollment: 15 students</i>	01	Gilmartin	T 19:00 - 21:55	237 BAX	
Hum/Lit 006	3-0-6	Major American Authors <i>Maximum enrollment: 15 students per section</i>	01	Weinstein	T 09:00 - 10:55 R 09:00 - 09:55	210 BAX 210 BAX	
			02	Weinstein	T 14:00 - 15:55 R 14:00 - 14:55	218 BAX 218 BAX	
Hum/PI 008	3-0-6	Right and Wrong <i>Maximum enrollment: 15 students per section</i>	01	Woodward	T 09:00 - 10:55 R 09:00 - 09:55	315 BAX 315 BAX	
			02	Woodward	T 14:00 - 15:55 R 14:00 - 14:55	33 BAX 33 BAX	
			03	Vargas	T 14:00 - 15:55 R 14:00 - 14:55	19 BAX 19 BAX	
Hum/PI 009	3-0-6	Knowledge and Reality <i>Maximum enrollment: 15 students per section</i>	01	Hitchcock	T 14:00 - 15:55 R 14:00 - 14:55	237 BAX 237 BAX	
			02	Hitchcock	T 19:30 - 21:25 R 19:30 - 20:25	218 BAX 218 BAX	

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<b>HUMANITIES</b>							
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Maximum enrollment: 15 students</i>	01	Feingold	T 19:00 - 21:55	25 BAX	
Hum133	2-2-5	Topics in Film History <i>The Biographical Film * Course description available at <a href="http://www.hss.caltech.edu/courses">www.hss.caltech.edu/courses</a>*Maximum enrollment: 20 students (Screenings on Thursday)</i>	01	Rosenstone	T 19:00 - 20:55 R 19:00 - 22:55	125 BAX 080 MRE	
<b>JET PROPULSION</b>							
Ae/JP 103B	3-0-6	Propulsion , Dynamics, and Control of Aircraft	01	Shepherd	TR 10:30 - 11:55	306 FIR	G
JP 270	2-0-4	Special Topics In Propulsion	01	Staff	A	A	
JP 280	+	Research in Jet Propulsion	01	Culick	A	A	P
<b>LANGUAGES</b>							
L 102B	3-1-6	Elementary French	01	Orcel	TRF 12:00 - 12:55	127 BAX	
L 103B	3-0-6	Intermediate French	01	De Bedts	T 12:00 - 12:55 R 16:00 - 17:55	128 BAX 128 BAX	
L 105A	3-0-6	French Literature	01	Orcel	M 14:00 - 14:55 W 16:30 - 17:25 F 14:00 - 14:55	11 DWN 125 BAX 127 BAX	
L 106B	5-1-4	Elementary Japanese	01	Toner	MWF 14:00 - 14:55 TR 14:00 - 14:55	218 BAX 11 DWN	G
			02	Toner	MWF 15:00 - 15:55 TR 15:00 - 15:55	218 BAX 11 DWN	G
L 107B	5-1-4	Intermediate Japanese	01	Hirata	MT 14:00 - 14:55 W 12:00 - 12:55	210 BAX 315 BAX	G

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<b>LANGUAGES</b>							
L 107B	5-1-4	Intermediate Japanese	01	Hirata	R 14:00 - 14:55 F 14:00 - 15:25	27 GTS 210 BAX	G
L 108B	3-1-6	Advanced Japanese	01	Hirata	F 13:00 - 13:50 TR 12:00 - 12:50	210 BAX 210 BAX	G
L 110B	3-1-6	Elementary Spanish	01 02	Garcia Arjona	MWR 12:00 - 12:55 T 15:15 - 16:45 R 15:00 - 16:25	125 BAX 128 BAX 127 BAX	
L 112B	3-0-6	Intermediate Spanish	01	Garcia	MWR 17:00 - 17:55	218 BAX	
L 114B	3-0-6	Topics in Spanish and Latin American Culture and Literature	01	Arjona	T 16:45 - 18:10 R 16:30 - 17:55	128 BAX 210 BAX	
L 130B	3-1-6	Elementary German	01	Aebi	MW 13:00 - 13:55 R 13:00 - 13:55	237 BAX 103 DWN	
L 132B	3-0-6	Intermediate German	01	Washburn	M 13:00 - 13:55 W 13:00 - 13:55 R 15:00 - 15:55	218 BAX 218 BAX 218 BAX	
L 140B	3-0-6	German Literature	01	Aebi	MW 14:00 - 14:55 R 14:00 - 14:55	237 BAX 103 DWN	
L/Lit 160B	3-0-6	German Literature in Translation	01	Washburn	M 19:00 - 21:55	315 BAX	
L 167B	3-0-6	Latin Literature	01	Pigman	M 17:00 - 17:55 W 12:00 - 12:55 F 14:00 - 14:55	210 BAX 127 BAX 237 BAX	
L 170B	4-1-5	Introduction to Chinese	01	Wang	MWR 19:00 - 19:55	210 BAX	
L 171B	4-1-5	Elementary Chinese	01	Wang	MWR 20:00 - 20:55	210 BAX	
L 172B	4-1-5	Intermediate Chinese	01	Ming	MW 19:00 - 19:55 T 19:00 - 19:55	128 BAX 33 BAX	



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<b>LANGUAGES</b>							
L 173B	3-1-6	Advanced Chinese	01	Ming	MW 20:00 - 21:25	128 BAX	
<b>LAW</b>							
Law033	3-0-6	Introduction to the Law	01	McCaffery	MW 14:00 - 15:25	LecHall BAX	
<b>LITERATURE</b>							
Hum/Lit 005	3-0-6	Major British Authors <i>Maximum enrollment: 15 students</i>	01	Gilmartin	T 19:00 - 21:55	237 BAX	
Hum/Lit 006	3-0-6	Major American Authors <i>Maximum enrollment: 15 students per section</i>	01	Weinstein	T 09:00 - 10:55	210 BAX	
					R 09:00 - 09:55	210 BAX	
			02	Weinstein	T 14:00 - 15:55	218 BAX	
		R 14:00 - 14:55	218 BAX				
Lit030	+	Reading in English	01	Staff	A	A	P
Lit050	3-0-6	Fundamentals of the Art of Poetry <i>Maximum enrollment: 15 students</i>	01	Mandel	MWF 11:00 - 11:55	128 BAX	
Lit086	3-0-6	Writing Fiction: Realism <i>Maximum enrollment: 16 students per section</i>	01	Gerber	T 19:30 - 22:25	210 BAX	
Lit098	+	Tutorial for Literature Majors	01	Staff	A	A	P
			02	Pigman	A	A	P
			03	Staff	A	A	P
			04	Staff	A	A	P
			05	Gilmartin	A	A	P
			06	Mandel	A	A	P
Lit099	1-0-8	Senior Tutorial for Literature Majors	01	Jurca	A	A	
			02	Pigman	A	A	
Lit114A	3-0-6	Shakespeare	01	La Belle	MW 13:00 - 14:25	127 BAX	
			02	La Belle	MW 13:00 - 14:25	127 BAX	

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<b>LITERATURE</b>							
L/Lit 160B	3-0-6	German Literature in Translation	01	Washburn	M 19:00 - 21:55	315 BAX	
Lit181E	3-0-6	Literature of the Holocaust <i>Course description available at www.hss.caltech.edu /courses Maximum enrollment: 15 students</i>	01	Magun	T 19:00 - 21:55	128 BAX	
<b>MATERIALS SCIENCE</b>							
MS 015B	3-0-6	Fundamentals of Materials Science <b>CANCELLED</b>	01	Ustundag	MWF 09:00 - 09:55	A	
MS 100	+	Advanced Work in Materials Science	01	Ahn	A	A	P
			02	Asimow	A	A	P
			03	Atwater	A	A	P
			04	Fultz	A	A	P
			05	Goddard	A	A	P
			06	Haile	A	A	P
			07	Johnson	A	A	P
			08	Lange	A	A	P
			09	Phillips	A	A	P
			10	Ustundag	A	A	P
MS 110B	1-0-0	Materials Research Lectures	01	Ustundag / Kornfield / Atwater	W 16:00 - 16:55	106 SPL	
MS 130	3-0-6	Diffraction and Structure	01	Fultz / Ahn	MWF 10:00 - 10:55	25 BAX	
MS 132	3-3-6	Diffraction and Structure of Materials	01	Fultz / Ahn	MWF 10:00 - 10:55	25 BAX	
MS 200	+	Advanced Work in Materials Science	01	Ahn	A	A	P
			02	Asimow	A	A	P
			03	Atwater	A	A	P
			04	Cross	A	A	P
			05	Fultz	A	A	P

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<b>MATERIALS SCIENCE</b>							
MS 200	+	Advanced Work in Materials Science	06	Goddard	A	A	P
			07	Haile	A	A	P
			08	Johnson	A	A	P
			09	Lange	A	A	P
			10	McGill	A	A	P
			11	Ustundag	A	A	P
Ae/AM/MS/ME 213B	3-0-6	Mechanics and Materials Aspects of Fracture	01	Rosakis	MWF 09:00 - 09:55	306 TOM	
MS 300	+	Thesis Research	01	Ahn	A	A	P
			02	Asimow	A	A	P
			03	Atwater	A	A	P
			04	Fultz	A	A	P
			05	Goddard	A	A	P
			06	Haile	A	A	P
			07	Johnson	A	A	P
			08	Lange	A	A	P
			09	McGill	A	A	P
			10	Ustundag	A	A	P
			11	Cross	A	A	P
<b>MATHEMATICS</b>							
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1-6 Practical Track / Sections 7-12 Analytical Track. Limited Enrollment: 17 students per section</i>	01	Kechris	MWF 10:00 - 10:55 R 10:00 - 10:55	151 SLN 151 SLN	P
			02	Kechris	MWF 10:00 - 10:55 R 10:00 - 10:55	151 SLN 153 SLN	P
			03	Kechris	MWF 10:00 - 10:55 R 10:00 - 10:55	151 SLN 159 SLN	P
			04	Kechris	MWF 10:00 - 10:55 R 13:00 - 13:55	151 SLN 151 SLN	P
			05	Kechris	MWF 10:00 - 10:55 R 13:00 - 13:55	151 SLN 023 ROB	P
			06	Kechris	MWF 10:00 - 10:55	151 SLN	P

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<b>MATHEMATICS</b>							
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1-6 Practical Track / Sections 7-12 Analytical Track. Limited Enrollment: 17 students per section</i>	06	Kechris	R 10:00 - 22:55	253b SLN	P
			07	Aschbacher	MWF 10:00 - 10:55	119 KRK	P
					R 10:00 - 10:55	257 SLN	
			08	Aschbacher	MWF 10:00 - 10:55	119 KRK	P
					R 10:00 - 10:55	119 DWN	
			09	Aschbacher	MWF 10:00 - 10:55	119 KRK	P
					R 10:00 - 10:55	22 GTS	
			10	Aschbacher	MWF 10:00 - 10:55	119 KRK	P
					R 10:00 - 10:55	351 SLN	
			11	Aschbacher	MWF 10:00 - 10:55	119 KRK	P
					R 13:00 - 13:55	107 DWN	
					R 13:00 - 13:55	27 GTS	
Ma 001D	2-0-3	Series	01	Nenciu	WF 09:00 - 09:55	153 SLN	
Ma 002B	4-0-5	Differential Equations <i>Sections 1-8 Practical Track/ Section 9-14 Analytical Track. Limited enrollment: 19 students per section</i>	01	Calegari	MWF 10:00 - 10:55	22 GTS	G
					R 10:00 - 10:55	119 KRK	
			02	Calegari	MWF 10:00 - 10:55	22 GTS	G
					R 10:00 - 10:55	11 DWN	
			03	Calegari	MWF 10:00 - 10:55	22 GTS	G
					R 10:00 - 10:55	27 GTS	
			04	Calegari	MWF 10:00 - 10:55	22 GTS	G
					R 10:00 - 10:55	123 LAU	
			05	Calegari	MWF 10:00 - 10:55	22 GTS	G
		R 14:00 - 14:55	123 LAU				
		R 14:00 - 14:55	22 GTS				
		R 14:00 - 14:55	22 GTS				
06	Calegari	MWF 10:00 - 10:55	22 GTS	G			
		R 14:00 - 14:55	22 GTS				
07	Calegari	MWF 10:00 - 10:55	22 GTS	G			
		R 14:00 - 14:55	159 SLN				
		R 14:00 - 14:55	257 SLN				
08	Calegari	MWF 10:00 - 10:55	102 STL	G			
		R 14:00 - 14:55	257 SLN				
09	Makarov	MWF 10:00 - 10:55	102 STL	G			

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<b>MATHEMATICS</b>							
Ma 002B	4-0-5	Differential Equations <i>Sections 1-8 Practical Track/ Section 9-14 Analytical Track. Limited enrollment: 19 students per section</i>	09	Makarov	R 10:00 - 10:55	010 TOM	G
			10	Makarov	MWF 10:00 - 10:55	102 STL	G
					R 15:00 - 15:55	153 SLN	
			11	Makarov	MWF 10:00 - 10:55	102 STL	G
					R 10:00 - 10:55	210 BAX	
			12	Makarov	MWF 10:00 - 10:55	102 STL	G
					R 14:00 - 14:55	102 STL	
			13	Makarov	MWF 10:00 - 10:55	102 STL	G
		R 02:00 - 02:55	469 LAU				
			14	Makarov	MWF 10:00 - 10:55	102 STL	G
					R 14:00 - 14:55	107 DWN	
Ma 005B	3-0-6	Introduction to Abstract Algebra	01	Aschbacher	MWF 09:00 - 09:55	151 SLN	
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Chan	MWF 13:00 - 13:55	159 SLN	
Ma 092B	+	Senior Thesis	01	Aschbacher	A	A	P
			02	Baranovsky	A	A	P
			03	Bromberg	A	A	P
			04	Clemens	A	A	P
			05	Denissov	A	A	P
			06	Flach	A	A	P
			07	Grinshpan	A	A	P
			08	Kechris	A	A	P
			09	Lorden	A	A	P
			10	Ramakrishnan	A	A	P
			11	Schlag	A	A	P
			12	Simon	A	A	P
			13	Wales	A	A	P
			14	Wilson	A	A	P
Ma 098	+	Independent Reading	01	Aschbacher	A	A	P
			02	Baranovsky	A	A	P
			03	Bromberg	A	A	P

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<b>MATHEMATICS</b>										
Ma 098	+	Independent Reading	04	Clemens	A	A	P			
			05	Denissov	A	A	P			
			06	Flach	A	A	P			
			07	Grinshpan	A	A	P			
			08	Kechris	A	A	P			
			09	Lorden	A	A	P			
			10	Ramakrishnan	A	A	P			
			11	Schlag	A	A	P			
			12	Simon	A	A	P			
			13	Wales	A	A	P			
			14	Wilson	A	A	P			
			15	Rosendal	A	A	P			
			16	Manning	A	A	P			
			17	Dunfield	A	A	P			
			Ma 108B	3-0-6	Classical Analysis	01	Goldberg	MWF 11:00 - 11:55	151 SLN	
			Ma 109B	3-0-6	Introduction to Geometry and Topology	01	Groves	MWF 10:00 - 10:55	159 SLN	
			Ma 110B	3-0-6	Real and Complex Analysis	01	Schlag	MWF 11:00 - 11:55	159 SLN	
Ma 112B	3-0-6	Statistics	01	Lorden	MTR 12:30 - 13:55	253b SLN				
Ma 116B	3-0-6	Mathematical Logic and Axiomatic Set Theory	01	Rosendal	MTR 13:00 - 13:55	11 DWN				
Ma 120B	3-0-6	Abstract Algebra	01	Kilford	MWF 09:00 - 09:55	159 SLN				
Ma 121B	3-0-6	Combinatorial Analysis	01	Wilson	MTR 15:00 - 15:55	159 SLN				
EE/Ma 126B	3-0-6	Information Theory	01	McEliece	MWF 09:00 - 10:25	070 MRE				

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<b>MATHEMATICS</b>							
EE/Ma 127A	3-0-6	Error-Correcting Codes	01	Kiely	TR 14:30 - 15:55	080 MRE	
Ma 130B	3-0-6	Algebraic Geometry	01	Baranovsky	TR 13:30 - 15:25 M 14:00 - 14:55	153 SLN 153 SLN	
Ma 140B	3-0-6	Functional Analysis	01	Makarov	MW 13:00 - 13:55	153 SLN	
Ma/ACM144A	3-0-6	Probability	01	Berger	T 12:00 - 13:55 R 12:00 - 12:55	159 SLN 151 SLN	
Ma 145B	3-0-6	Introduction To Unitary Group Representations	01	Simon	MWF 11:00 - 11:55	153 SLN	
Ma 151B	3-0-6	Topology and Geometry	01	Maher	MWF 13:00 - 13:55	257 SLN	
Ma 157A	3-0-6	Geometry and Topology of Manifolds	01	Dunfield	MW 15:30 - 16:55	153 SLN	
Ma 162B	3-0-6	Topics in Number Theory	01	Goins	MW 11:00 - 12:25	153 SLN	
Ma 191D	3-0-6	Schrodinger Operators	01	Simon	M 12:30 - 13:55 F 12:30 - 13:55	151 SLN 153 SLN	
Ma 191E	3-0-6	Random Matrices	01	Strahov	M 15:00 - 16:25 T 16:00 - 17:25	257 SLN 257 SLN	
Ma 191F	3-0-6	Discrete Subgroups of Semisimple Lie Groups	01	Oh	WF 10:00 - 11:25	257 SLN	
Ma 191G	3-0-6	Representations of the Symmetric Group	01	Wales	T 11:00 - 23:55 WF 14:00 - 14:55	159 SLN 153 SLN	
Ma 290	+	Reading	01	Aschbacher	A	A	P
			02	Baranovsky	A	A	P
			03	Bromberg	A	A	P
			04	Clemens	A	A	P
			05	Denissov	A	A	P

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<b>MATHEMATICS</b>							
Ma 290	+	Reading	06	Flach	A	A	P
			08	Grinshpan	A	A	P
			09	Makarov	A	A	P
			10	Kechris	A	A	P
			11	Lorden	A	A	P
			12	Ramakrishnan	A	A	P
			13	Schlag	A	A	P
			14	Simon	A	A	P
			15	Wales	A	A	P
			16	Wilson	A	A	P
			17	Calegari	A	A	P
			18	Rosendal	A	A	P
			19	Manning	A	A	P
Ma 316B	+	Seminar in Mathematical Logic	01	Kechris	A	A	P
Ma 324B	+	Seminar in Combinatorics	01	Wilson	A	A	P
Ma 325B	+	Seminar in Algebra	01	Aschbacher / Wales	A	A	P
Ma 345B	+	Seminar in Analysis	01	Makarov / Schlag	A	A	P
Ma 348B	+	Seminar in Mathematical Physics	01	Simon	A	A	P
Ma 351B	+	Seminar in Topology	01	Calegari	A	A	P
Ma 360B	+	Seminar in Number Theory	01	Ramakrishnan / Flach	A	A	P
Ma 390	+	Research	01	Aschbacher	A	A	P
			02	Baranovsky	A	A	P
			03	Bromberg	A	A	P



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<b>MATHEMATICS</b>										
Ma 390	+	Research	04	Clemens	A	A	P			
			05	Denissov	A	A	P			
			06	Flach	A	A	P			
			07	Grinshpan	A	A	P			
			08	Kechris	A	A	P			
			09	Lorden	A	A	P			
			10	Makarov	A	A	P			
			11	Ramakrishnan	A	A	P			
			12	Schlag	A	A	P			
			13	Simon	A	A	P			
			14	Wales	A	A	P			
			15	Wilson	A	A	P			
			16	Preskill	A	A	P			
			17	Marsden	A	A	P			
			18	Calegari	A	A	P			
			Ma 392	+	Research Conference	01	Staff	A	A	P
			<b>MECHANICAL ENGINEERING</b>							
			ME 018B	3-0-6	Thermodynamics	01	Hunt	MWF 09:00 - 09:55	206 TOM	
ME 019B	3-0-6	Fluid Mechanics and Gasdynamics	01	Colonus	TR 10:30 - 11:55	206 TOM				
ME 020	3-0-6	Heat Transfer <i>Taught concurrently with ChE 103b</i>	01	Vicic	MWF 09:00 - 09:55	106 SPL				
AM/ME 035B	3-0-6	Statics and Dynamics	01	Hall	MWF 14:00 - 14:55	206 TOM	G			
ME 070	3-0-6	Introduction to the Kinematics of Mechanical Systems	01	Collins	MW 15:00 - 16:25	306 TOM				
ME 073	3-4-2	Machine Component Design	01	Grote	TR 14:00 - 14:55 R 15:00 - 15:55	306 TOM 306 TOM				

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<b>MECHANICAL ENGINEERING</b>							
ME 090B	+	Senior Thesis, Experimental	01	Hunt	A	A	P
ME 091B	+	Senior Thesis, Analytical	01	Hunt	A	A	P
ME 100	+	Advanced Work in Mechanical Engineering	01	Antonsson	A	A	P
			02	Brennen	A	A	P
			03	Burdick	A	A	P
			04	Colonus	A	A	P
			05	Culick	A	A	P
			06	Hunt	A	A	P
			07	Murray	A	A	P
			08	Phillips	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Brennen	MWF 10:00 - 10:55	101 GUG	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ravichandran	TR 09:00 - 10:25	101 GUG	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Grote	A	A	P
			02	Brennen	A	A	P
			03	Burdick	A	A	P
			04	Colonus	A	A	P
			05	Culick	A	A	P
			06	Hunt	A	A	P
			07	Murray	A	A	P
			08	Phillips	A	A	P
			09	Dickinson	A	A	P
ME 115A	3-0-6	Introduction to Kinematics and Robotics	01	Burdick	MW 09:30 - 10:55	08 TOM	
ME 119B	3-0-6	Heat Transfer and Thermodynamics	01	Goodwin	TR 13:00 - 14:25	010 TOM	

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<b>MECHANICAL ENGINEERING</b>							
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Lapusta	TR 10:30 - 11:55	306 TOM	
ME 200	+	Advanced Work in Mechanical Engineering	01	Antonsson	A	A	P
			02	Brennen	A	A	P
			03	Burdick	A	A	P
			04	Colonus	A	A	P
			05	Culick	A	A	P
			06	Hunt	A	A	P
			07	Murray	A	A	P
			08	Phillips	A	A	P
			09	Goodwin	A	A	P
			10	Fultz	A	A	P
			11	Pickar	A	A	P
			12	Ravichandran	A	A	P
			13	Lapusta	A	A	P
Ae/AM/ME 209B	1-0-0	Seminar in Solid Mechanics	01	Ravichandran	T 15:00 - 15:55	206 TOM	P
Ae/AM/MS/ME 213B	3-0-6	Mechanics and Materials Aspects of Fracture	01	Rosakis	MWF 09:00 - 09:55	306 TOM	
Ae/AM/CE/ME 214B	3-0-6	Computational Solid Mechanics	01	Leroy	T 12:30 - 13:55	306 FIR	G
					W 16:00 - 17:25	306 FIR	
ME 300	+	Research in Mechanical Engineering	01	Antonsson	A	A	P
			02	Brennen	A	A	P
			03	Burdick	A	A	P
			04	Colonus	A	A	P
			05	Culick	A	A	P
			06	Hunt	A	A	P
			07	Murray	A	A	P
			08	Phillips	A	A	P
			09	Bhattacharya	A	A	P
			10	Shepherd	A	A	P

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<b>MECHANICAL ENGINEERING</b>							
ME 300	+	Research in Mechanical Engineering	11	Goodwin	A	A	P
			12	Bellan	A	A	P
			13	Leonard	A	A	P
			14	Ortiz	A	A	P
			15	Haile	A	A	P
			16	Fultz	A	A	P
			17	Lapusta	A	A	P
<b>MUSIC</b>							
EE/CS/Mu 017B	+	Projects in Music and Science <i>Instructor's Permission Required Organizational Meeting Wed. Jan. 7th</i>	01	Boyz	OM,W 11:00 - 12:10	2c WINN	P
Mu 022	3-0-6	Major Genres <i>Opera on Video: A video history of opera from Monteverdi to John Adams</i>	01	Neenan	MW 11:00 - 12:25	19 BAX	
Mu 032	3-0-6	Monteverdi to Bach: Music Of the Baroque <i>Must have basic score-reading knowledge, such as a minimum of 2 years of musical instrument instruction or vocal/choral performance experience.</i>	01	Neenan	MW 14:30 - 15:55	19 BAX	
<b>PERFORMANCE AND ACTIVITIES</b>							
PA 015B	1-0-2	Student Publications	01	Daily	OM,F 12:15 - 13:15	40 SAC	P
PA 030B	0-3-0	Women's Glee Club	01	LaVertu	M 19:30 - 21:30 W 17:00 - 18:00	Basement BCK Basement BCK	P
PA 031B	0-3-0	Chamber Music	01	Bing	A	A	P
			02	Gross	A	A	P
PA 032B	0-3-0	Symphony Orchestra	01	Gross	T 19:30 - 22:15	A	P
PA 033B	0-3-0	Concert Band	01	Bing	R 19:30 - 21:15	Basement BCK	P

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<b>PERFORMANCE AND ACTIVITIES</b>							
PA 034B	0-3-0	Jazz Band	01	Bing	M 19:30 - 21:15 R 21:30 - 23:00	Basement BCK Basement BCK	P
PA 035B	0-3-0	Guitar	01	Denning	T 16:30 - 17:30	01 SAC	P
			02	Denning	T 15:00 - 16:00	01 SAC	P
			03	Denning	T 17:30 - 18:30	01 SAC	P
PA 036B	0-3-0	Men's Glee Club	01	Caldwell	M 19:30 - 21:30	A	P
					W 17:00 - 18:00	A	
PA 037B	0-3-0	Chamber Singers	01	Caldwell	T 17:00 - 18:30	A	P
PA 040B	2-0-1	Theater Arts	01	Marneus	W 19:30 - 21:30	33 BAX	P
PA 050B	1-1-1	Health Advocates	01	Stapf	W 19:00 - 22:00	YHC	P
PA 061B	0-3-0	Silkscreen and Airbrush	01	Barry	M 19:00 - 21:55	22 SAC	P
PA 062B	0-3-0	Drawing and Painting	01	Barry	T 19:00 - 21:55	23 SAC	P
PA 063B	0-3-0	Ceramics	01	Freed	W 19:00 - 22:00	Ceramic Room POLY	P
<b>PHILOSOPHY</b>							
Hum/PI 008	3-0-6	Right and Wrong <i>Maximum enrollment: 15 students per section</i>	01	Woodward	T 09:00 - 10:55	315 BAX	P
					R 09:00 - 09:55	315 BAX	
			02	Woodward	T 14:00 - 15:55	33 BAX	
					R 14:00 - 14:55	33 BAX	
			03	Vargas	T 14:00 - 15:55	19 BAX	
R 14:00 - 14:55	19 BAX						
Hum/PI 009	3-0-6	Knowledge and Reality <i>Maximum enrollment: 15 students per section</i>	01	Hitchcock	T 14:00 - 15:55	237 BAX	
					R 14:00 - 14:55	237 BAX	
			02	Hitchcock	T 19:30 - 21:25	218 BAX	

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<b>PHILOSOPHY</b>							
Hum/PI 009	3-0-6	Knowledge and Reality <i>Maximum enrollment: 15 students per section</i>	02	Hitchcock	R 19:30 - 20:25	218 BAX	
PI 102	3-0-6	Selected Topics in Philosophy <i>Evil and Moral Agency *Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01	Vargas	TR 09:00 - 10:25	237 BAX	
HPS/PI 126	3-0-6	Foundations of Probability and Inductive Inference	01	Hajek	WR 13:00 - 14:25	210 BAX	
HPS/PI 127	3-0-6	Paradoxes	01	Hajek	WR 14:30 - 15:55	210 BAX	
HPS/PI 134	3-0-6	Current Issues in Philosophical Psychology <i>*Course description available at <a href="http://www.hss.caltech.edu/courses">www.hss.caltech.edu/courses</a></i>	01	Murphy	MW 14:30 - 15:55	127 BAX	
HPS/PI 169	3-0-6	Selected Topics in Philosophy of Science <i>Broken Brains and Changing Minds*Course description available at <a href="http://www.hss.caltech.edu/courses">www.hss.caltech.edu/courses</a>*</i>	01	Quartz	T 19:00 - 21:55	315 BAX	
PI 186	3-0-6	Political Philosophy <i>*Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01	Murphy	MW 11:00 - 12:25	210 BAX	
<b>PHYSICAL EDUCATION</b>							
PE 001B	3-0-0	Student Designed Fitness	01	D'Auria / Uribe	A	A	P
PE 004B	3-0-0	Introduction To Power Walking	01	Levesque	TR 14:00 - 14:55	TRK BRN	P
PE 009B	3-0-0	Soccer	01	Uribe	MW 15:00 - 15:55	SOF BRN	P
PE 010B	3-0-0	Aerobic Dance <i>See schedule in Braun</i>	01	Ruble	A	A	P

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<b>PHYSICAL EDUCATION</b>							
PE 020B	3-0-0	Fencing, Beginning and Intermediate/Advanced	01	Paffenroth	TR 19:00 - 20:00	BC BRW	P
PE 024B	3-0-0	Yoga, Beginning	01	Close-Pal	MW 16:00 - 16:55	BAC	P
			02	Close-Pal	TR 17:00 - 17:55	BAC	P
			03	Close-Pal	RF 15:00 - 15:55	BAC	P
PE 035B	3-0-0	Diving, Beginning/Intermediate	01	Dodd	MW 13:00 - 13:55	POL BAC	P
PE 036B	3-0-0	Swimming, Beginning/Intermediate and Advanced	01	Dodd	TR 14:00 - 14:55	POL BAC	P
			02	Dodd	TR 15:00 - 15:55	POL BAC	P
PE 044B	3-0-0	Karate (Shotokan), Beginning and Intermediate/Advanced	01	McClure	MW 19:00 - 20:25	BAC	P
			02	McClure	MW 20:00 - 20:55	BAC	P
					S 11:00 - 11:55	BAC	
PE 046B	3-0-0	Karate (Tang Soo Do), Beginning and Intermediate/Advanced	01	Hassan	TF 19:00 - 20:25	BRW	P
			02	Hassan	TF 20:30 - 21:55	BRW	P
PE 048B	3-0-0	T'ai-Chi Ch'uan, Beginning and Intermediate/Advanced	01	Zhu	TR 20:00 - 20:55	BAC	P
PE 050B	3-0-0	Badminton, Beginning/Intermediate	01	Mao	T 13:00 - 14:55	BRW	P
PE 054B	3-0-0	Racquetball, Beginning and Intermediate/Advanced	01	Levesque	TR 13:00 - 13:55	BAC	P
PE 056B	3-0-0	Squash; Beginning, Intermediate, Advanced	01	Bresanello	OM,T 17:00 - 17:55	BAC	P
			02	Bresanello	OM,T 17:00 - 17:55	BAC	P
PE 060B	3-0-0	Tennis; Beginning, Beginning/Intermediate, Intermediate, And Advanced <i>Section 2 - Cancelled</i>	01	Uribe	MW 12:00 - 12:55	TCT BRN	P
			02	Gamble	TR 14:00 - 14:55	TCT BRN	P
			03	Gamble	TR 13:00 - 13:55	TCT BRN	P
PE 070B	3-0-0	Weight Training, Beginning/Intermediate	01	Marbut	MW 13:00 - 13:55	BAC	P
			02	Marbut	MW 14:00 - 14:55	BAC	P
			03	Dow	TR 10:00 - 10:55	BAC	P

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<b>PHYSICAL EDUCATION</b>							
PE 070B	3-0-0	Weight Training, Beginning/Intermediate	04	Dow	MW 09:30 - 10:25	BAC	P
PE 077B	3-0-0	Volleyball; Beginning, Intermediate, and Advanced <b>CANCELLED</b>	01	D'Auria	MW 14:00 - 14:55	BAC	P
PE 082B	3-0-0	Rock Climbing, Beginning and Intermediate <b>**\$25 off-site facility fee</b>	01	Scalise	OM,T 19:00 - 19:55	BRW	P
PE 083B	3-0-0	Intercollegiate Basketball Team (Women)	01	Marbut	MTWRFS 16:00 - 17:55	BAC	P
PE 084B	3-0-0	Table Tennis, Beginning, Intermediate, and Advanced	01 02 03	Wang Wang Wang	R 19:00 - 20:55 T 13:00 - 14:55 R 21:00 - 22:55	BRW BRW BRW	P P P
PE 085B	3-0-0	Intercollegiate Track and Field Team	01	Levesque	MTWRFS 16:00 - 17:55	TRK BRN	P
PE 087B	3-0-0	Intercollegiate Swimming Team (Men and Women)	01	Dodd	MTWRFS 16:00 - 17:55	POL BAC	P
PE 089B	3-0-0	Intercollegiate Fencing Team (Men and Women)	01	Paffenroth	MTR 20:00 - 21:55	BRW	P
PE 091B	3-0-0	Intercollegiate Basketball Team (Men)	01	Dow	MTWRFS 16:00 - 17:55	BAC	P
PE 093B	3-0-0	Intercollegiate Baseball Team (Men)	01	D'Auria	MTWRFS 16:00 - 17:55	NOF BRN	P
PE 094B	3-0-0	Intercollegiate Golf Team (Men)	01	Suarez	MTWRFS 16:00 - 17:55	OFC BAC	P
PE 095B	3-0-0	Intercollegiate Tennis Team (Men)	01	Gamble	MTWRFS 16:00 - 17:55	TCT BRN	P
PE 096B	3-0-0	Intercollegiate Tennis Team (Women)	01	Gamble	MTWRFS 16:00 - 17:55	TCT BRN	P
<b>PHYSICS</b>							



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<b>PHYSICS</b>							
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track - Sections 1-4 / Analytical Track - Sections 5-10</i>	01	Politzer	F 15:00 - 15:55 MR 09:00 - 09:55 W 11:00 - 11:55	201 BRG 27 GTS 27 GTS	P
			02	Politzer	F 15:00 - 15:55 R 15:00 - 15:55 W 13:00 - 13:55 M 14:00 - 14:55	201 BRG 119 DWN 119 DWN 123 LAU	P
			03	Politzer	F 15:00 - 15:55 MR 09:00 - 09:55 W 11:00 - 11:55	201 BRG 119 DWN 119 DWN	P
			04	Politzer	F 15:00 - 15:55 MR 15:00 - 15:55 W 11:00 - 11:55	201 BRG 22 GTS 22 GTS	P
			05	McKeown	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 206 TOM	P
			06	McKeown	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 107 DWN	P
			07	McKeown	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 22 GTS	P
			08	McKeown	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 123 LAU	P
			09	McKeown	WF 11:00 - 11:55 MR 13:00 - 13:55	201 BRG 123 LAU	P
			10	McKeown	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 119 KRK	P
Ph 002B	4-0-5	Statistical Physics, Waves, and Quantum Mechanics	01	Hughes	TR 11:00 - 11:55 WF 09:00 - 09:55	201 BRG 11 DWN	G
			02	Hughes	TR 11:00 - 11:55 WF 11:00 - 11:55	201 BRG 11 DWN	G
			03	Hughes	TR 11:00 - 11:55 WF 11:00 - 11:55	201 BRG 107 DWN	G
			04	Hughes	TR 11:00 - 11:55 WF 13:00 - 13:55	201 BRG 107 DWN	G

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Ph 002B	4-0-5	Statistical Physics, Waves, and Quantum Mechanics	05	Hughes	TR 11:00 - 11:55 WF 13:00 - 13:55	201 BRG 11 DWN	G
			06	Hughes	TR 11:00 - 11:55 WF 15:00 - 15:55	201 BRG 103 DWN	G
			07	Hughes	TR 11:00 - 11:55 WF 15:00 - 15:55	201 BRG 119 DWN	G
Ph 003	0-6-0	Physics Laboratory	01	Barish / Sannibale	OM,T 14:00 - 14:55	308 BRG	
Ph 006	0-9-0	Physics Laboratory	01	Rice III / Barish	OM,T 15:00 - 15:55	201 BRG	
Ph 011B	2-0-4	Research Tutorial	01	Tombrello	OM,R 04:00 - 16:25	200 SLN	P
Ph 012B	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Filippone	TR 10:30 - 11:55	269 LAU	
Ph 020	0-6-0	Freshman/Sophomore Computational Physics Laboratory	01	Mach / Libbrecht	OM,M 15:00 - 15:55	304 BRG	P
Ph 021	0-6-0	Freshman/Sophomore Computational Physics Laboratory	01	Mach / Libbrecht	OM,M 15:00 - 15:55	304 BRG	P
Ph 022	0-6-0	Freshman/Sophomore Computational Physics Laboratory	01	Mach / Libbrecht	OM,M 15:00 - 15:55	304 BRG	P
Ph 070	3-0-0	Oral Presentation	01	Hitlin	T 14:00 - 15:55	469 LAU	P
Ph 076	0-9-0	Atomic/Laser Physics Laboratory	01	Libbrecht / Black	OM,M 14:00 - 14:55	211 BRG	G
Ph 077A	0-9-0	Advanced Physics Laborator	01	Black / Libbrecht	A	A	G
Ph 077B	0-9-0	Advanced Physics Laboratory	01	Black / Libbrecht	OM,M 15:00 - 15:55	210 BRG	G

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Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 078B	+	Senior Thesis Experimental	01	Frautschi	A	A	P
Ph 079B	+	Senior Thesis Theoretical	01	Frautschi	A	A	P
Ph 103A	3-0-6	Topics in Contemporary Physics <i>Spectroscopy</i>	01	Phillips	TR 13:00 - 14:25	119 DWN	
Ph 106B	3-0-6	Topics in Classical Physics	01	Preskill / Zmuidzinas	TR 10:30 - 11:55	107 DWN	
Ph/EE 118	3-0-6	Low-Noise Electronic Measurement	01	Roukes	TF 14:30 - 15:55	107 DWN	P
Ph 125B	3-0-6	Quantum Mechanics	01	Weinstein	MW 09:30 - 10:55	269 LAU	
Ph 127B	3-0-6	Statistical Physics <i>1/9/04 Class will be held in Arms 155</i>	01	Cross	TF 13:00 - 14:25	103 DWN	
Ph 129B	3-0-6	Mathematical Methods of Physics	01	Schwarz	TR 09:00 - 10:25	103 DWN	
Ph 135B	3-0-6	Applications of Quantum Mechanics	01	Porter	MW 13:00 - 14:25	269 LAU	
Ph 171	+	Reading and Independent Study	01	Barish	A	A	P
			02	Blandford	A	A	P
			03	Cross	A	A	P
			04	Kitaev	A	A	P
			05	Eisenstein	A	A	P
			06	Filippone	A	A	P
			07	Frautschi	A	A	P
			08	Goldreich	A	A	P
			09	Goodstein	A	A	P
			10	Gubser	A	A	P
			11	Harrison	A	A	P
			12	Hitlin	A	A	P

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	13	Hughes	A	A	P
			14	Kamionkowski	A	A	P
			15	Phinney	A	A	P
			16	Kimble	A	A	P
			17	Koonin	A	A	P
			18	Lange	A	A	P
			19	Libbrecht	A	A	P
			20	Mabuchi	A	A	P
			21	Martin	A	A	P
			22	McGill	A	A	P
			23	McKeown	A	A	P
			24	Oguri	A	A	P
			25	Peck	A	A	P
			26	Phillips	A	A	P
			27	Pine	A	A	P
			28	Politzer	A	A	P
			29	Porter	A	A	P
			30	Preskill	A	A	P
			31	Prince	A	A	P
			32	Ramakrishnan	A	A	P
			33	Rice III	A	A	P
			34	Roukes	A	A	P
			35	Scherer	A	A	P
			36	Schwarz	A	A	P
			37	Simons	A	A	P
			38	Stone	A	A	P
			39	Thorne	A	A	P
			40	Tombrello	A	A	P
			41	Vogt	A	A	P
			42	Weinstein	A	A	P
			43	Wise	A	A	P
			44	Yeh	A	A	P
			45	Zewail	A	A	P

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<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	46	Zmuidzinas	A	A	P
			47	Winfree	A	A	P
Ph 172	+	Experimental Research in Physics	01	Barish	A	A	P
			02	Blandford	A	A	P
			03	Cross	A	A	P
			04	Blain	A	A	P
			05	Eisenstein	A	A	P
			06	Filippone	A	A	P
			07	Frautschi	A	A	P
			08	Goldreich	A	A	P
			09	Goodstein	A	A	P
			10	Gubser	A	A	P
			11	Harrison	A	A	P
			12	Hitlin	A	A	P
			13	Hughes	A	A	P
			14	Kamionkowski	A	A	P
			15	Kapustin	A	A	P
			16	Kimble	A	A	P
			17	Mewaldt	A	A	P
			18	Lange	A	A	P
			19	Libbrecht	A	A	P
			20	Mabuchi	A	A	P
			21	Martin	A	A	P
			22	McGill	A	A	P
			23	McKeown	A	A	P
			24	Oguri	A	A	P
			25	Peck	A	A	P
			26	Phillips	A	A	P
			27	Pine	A	A	P
			28	Politzer	A	A	P
			29	Porter	A	A	P
			30	Psaltis	A	A	P
			31	Prince	A	A	P

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<b>PHYSICS</b>							
Ph 172	+	Experimental Research in Physics	32	Jensen	A	A	P
			33	Rice III	A	A	P
			34	Roukes	A	A	P
			35	Scherer	A	A	P
			36	Schwarz	A	A	P
			37	Simons	A	A	P
			38	Stone	A	A	P
			39	Thorne	A	A	P
			40	Tombrello	A	A	P
			41	Phillips	A	A	P
			42	Weinstein	A	A	P
			43	Wise	A	A	P
			44	Yeh	A	A	P
			45	Zewail	A	A	P
			46	Zmuidzinas	A	A	P
			47	Quake	A	A	P
			48	Ellis	A	A	P
			49	Newman	A	A	P
			50	Golwala	A	A	P
Ph 173	+	Research in Theoretical Physics	01	Adami	A	A	P
			02	Barish	A	A	P
			03	Cross	A	A	P
			04	Marsden	A	A	P
			05	Eisenstein	A	A	P
			06	Filippone	A	A	P
			07	Frautschi	A	A	P
			08	Goldreich	A	A	P
			09	Goodstein	A	A	P
			10	Gubser	A	A	P
			11	Harrison	A	A	P
			12	Hitlin	A	A	P
			13	Hughes	A	A	P
			14	Kamionkowski	A	A	P

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<b>PHYSICS</b>							
Ph 173	+	Research in Theoretical Physics	15	Kapustin	A	A	P
			16	Kimble	A	A	P
			17	Blandford	A	A	P
			18	Lange	A	A	P
			19	Libbrecht	A	A	P
			20	Mabuchi	A	A	P
			21	Martin	A	A	P
			22	McGill	A	A	P
			23	McKeown	A	A	P
			24	Oguri	A	A	P
			25	Peck	A	A	P
			26	Phillips	A	A	P
			27	Pine	A	A	P
			28	Politzer	A	A	P
			29	Porter	A	A	P
			30	Preskill	A	A	P
			31	Prince	A	A	P
			32	Ramakrishnan	A	A	P
			33	Rice III	A	A	P
			34	Roukes	A	A	P
			35	Scherer	A	A	P
			36	Schwarz	A	A	P
			37	Simons	A	A	P
			38	Stone	A	A	P
			39	Thorne	A	A	P
			40	Tombrello	A	A	P
			41	Vogt	A	A	P
			42	Weinstein	A	A	P
			43	Wise	A	A	P
			44	Yeh	A	A	P
			45	Zewail	A	A	P
			46	Zmuidzinas	A	A	P
			47	Blain	A	A	P

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<b>PHYSICS</b>							
Ph 173	+	Research in Theoretical Physics	48	Fultz	A	A	P
			49	Sari	A	A	P
			50	Phillips	A	A	P
Ph 196B	3-0-9	Advanced Classical Physics	01	Mabuchi / Peck	TR 10:30 - 11:55 F 15:00 - 15:55	103 DWN 123 LAU	
Ph 199	3-0-6	Major Open Questions in Physics	01	Kamionkowski	TR 13:00 - 14:25	269 LAU	
Ph 205B	3-0-6	Relativistic Quantum Mechanics	01	Frautschi	MW 11:00 - 11:55 F 13:00 - 13:55	269 LAU 269 LAU	P
Ph/CS 219B	3-0-6	Quantum Computation	01	Kitaev	T 13:00 - 14:25 R 14:30 - 15:55	123 LAU 269 LAU	
Ph 230B	3-0-6	Elementary Particle Theory	01	Kapustin	MW 13:00 - 14:25	103 DWN	
Ph 236B	3-0-6	Relativity	01	Thorne	MW 14:30 - 15:55	269 LAU	
Ph 242B	2-0-1	Physics Seminar	01	Stone	F 10:30 - 11:55	114 BRG	P
Ph 250	3-0-6	Introduction to String Theory	01	Oguri	MW 10:30 - 11:55	103 DWN	
Ph 300	+	Thesis Research	01	Barish	A	A	P
			02	Blandford	A	A	P
			03	Cross	A	A	P
			04	Drever	A	A	P
			05	Eisenstein	A	A	P
			06	Filippone	A	A	P
			07	Frautschi	A	A	P
			08	Goldreich	A	A	P
			09	Goodstein	A	A	P
			10	Gubser	A	A	P
			11	Harrison	A	A	P



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<b>PHYSICS</b>							
Ph 300	+	Thesis Research	12	Hitlin	A	A	P
			13	Hughes	A	A	P
			14	Kamionkowski	A	A	P
			15	Kapustin	A	A	P
			16	Kimble	A	A	P
			17	McGill	A	A	P
			18	Lange	A	A	P
			19	Lester	A	A	P
			20	Libbrecht	A	A	P
			21	Mabuchi	A	A	P
			22	Martin	A	A	P
			23	McKeown	A	A	P
			24	Newman	A	A	P
			25	Oguri	A	A	P
			26	Peck	A	A	P
			27	Phillips	A	A	P
			28	Pine	A	A	P
			29	Politzer	A	A	P
			30	Porter	A	A	P
			31	Preskill	A	A	P
			32	Prince	A	A	P
			33	Ramakrishnan	A	A	P
			34	Phinney	A	A	P
			35	Roukes	A	A	P
			36	Scherer	A	A	P
			37	Schwarz	A	A	P
			38	Simons	A	A	P
			39	Stone	A	A	P
			40	Tombrello	A	A	P
			41	Vogt	A	A	P
			42	Weinstein	A	A	P
			43	Wise	A	A	P
			44	Yeh	A	A	P

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<b>PHYSICS</b>							
Ph 300	+	Thesis Research	45	Phillips	A	A	P
			46	Psaltis	A	A	P
			47	Kennedy	A	A	P
<b>POLITICAL SCIENCE</b>							
PS 012	3-0-6	Introduction to Political Science	01	Ordeshook	MWF 11:00 - 11:55	LecHall BAX	
PS 126	3-0-6	Political Corruption	01	Kunicova	TR 10:30 - 11:55	125 BAX	
PS 130	3-0-6	Introduction to Social Science Surveys: Methods and Practice	01	Alvarez	MW 09:00 - 10:25	315 BAX	
PS/SS 139	3-0-6	Comparative Politics	01	Ordeshook	MW 14:30 - 15:55	128 BAX	
H/PS 148A	3-0-6	The Supreme Court in U.S. History	01	Kousser	T 19:30 - 22:25	127 BAX	G
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences	01	Plott	TR 08:30 - 09:55	218 BAX	
<b>SOCIAL SCIENCE</b>							
SS 013	3-0-6	The Application Of Social Scientific Methods To Problems In History	01	Davis	MW 08:30 - 09:55	25 BAX	
Ec/SS 130	3-0-6	Economic History of Europe from the Middle Ages to the Industrial Revolution <i>Maximum enrollment: 30 students</i>	01	Hoffman	TR 13:00 - 14:25	25 BAX	
PS/SS 139	3-0-6	Comparative Politics	01	Ordeshook	MW 14:30 - 15:55	128 BAX	
SS 200	+	Selected Topics In Social Science: Behavioral Economics <i>*For course description go to <a href="http://www.hss.caltech.edu/courses">www.hss.caltech.edu/courses</a>*</i>	01	Camerer	W 18:00 - 20:55	125 BAX	P

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<b>SOCIAL SCIENCE</b>							
SS 201B	3-0-6	Analytical Foundations of Social Science <i>Open to Graduate Students Only</i>	01	Palfrey	MW 10:30 - 11:55	315 BAX	G
SS 202B	3-0-6	Political Theory <i>Open to Graduate Students only</i>	01	Katz	T 14:00 - 15:25 R 13:00 - 14:25	27 GTS 128 BAX	
SS 205B	3-0-6	Foundations of Economics <i>Open to Graduate Students Only</i>	01	Jackson	MW 13:00 - 14:25	128 BAX	
SS 210B	3-0-6	Foundations of Political Economy	01	Jackson	TR 13:00 - 14:25	102 SPL	
SS 211B	3-0-6	Advanced Economic Theory	01	Echenique	MW 09:00 - 10:25	237 BAX	
SS 213B	3-0-6	Financial Economics	01	Komunjer	MW 11:00 - 12:25	218 BAX	
SS 222B	3-0-6	Econometrics <i>Open to Graduate Students Only</i>	01	Grether	TR 10:30 - 11:55	237 BAX	
SS 223B	3-0-6	Advanced Topics in Econometric Theory	01	Komunjer	MW 14:30 - 15:55	33 BAX	
SS 229B	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Davis	MW 13:00 - 14:25	33 BAX	
SS 232B	3-0-6	Historical and Comparative Perspectives in Political Analysis	01	Katz	TR 10:30 - 11:55	218 BAX	
SS 260	3-0-6	Experimental Methods of Political Economy	01	Plott	TR 08:30 - 09:55	218 BAX	
SS 300	+	Research in Social Science	01	Plott	A	A	P
			02	Davis	A	A	P
			03	Jackson	A	A	P
			04	Sherman	A	A	P
			05	Bossaerts	A	A	P
			06	Katz	A	A	P
			07	Kiewiet	A	A	P

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<b>SOCIAL SCIENCE</b>							
SS 300	+	Research in Social Science	08	Ordeshook	A	A	P
			09	Ledyard	A	A	P
			10	Palfrey	A	A	P
			11	Alvarez	A	A	P
			12	Camerer	A	A	P
			13	Border	A	A	P
<b>STUDY ABROAD</b>							
CAM100	36-0-0	Cambridge Colleges	01	Staff	A	A	