

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

### KEY TO ABBREVIATIONS

#### LOCATIONS

---

ALLES		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

---

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

#### TIMES/LOCATION/UNITS

---

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

#### DAYS OF THE WEEK

---

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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<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	Shepherd	MWF 10:00 - 10:55	101 GUG	
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ravichandran	T 13:00 - 14:25	101 GUG	
					MW 15:00 - 15:55	101 GUG	
Ae/JP 103B	3-0-6	Propulsion , Dynamics, and Control of Aircraft	01	Leonard	TR 08:30 - 09:55	308 FIR	
Ae/APh 104B	1-3-5	Experimental Methods	01	Dimotakis	MWF 09:00 - 09:55	101 GUG	
Ae 107B	3-0-6	Space Colonization and Industrialization: The 21st Century High Frontier or Pie in the Sky? <i>Cancelled for Winter Term 2002-03</i>	01	Sercel	A	A	
CE/Ae/AM 108B	3-0-6	Computational Mechanics	01	Hall	M 08:30 - 09:55 R 12:30 - 13:55	08 TOM 08 TOM	P
Ae/ME 120A	3-0-6	Combustion Fundamentals	01	Goodwin	W 12:00 - 13:00	306 TOM	
					F 14:00 - 15:00	306 TOM	
Ae 125B	3-0-6	Spacecraft Systems Engineering <i>Please see Aeronautics Department for meeting times</i>	01	Sercel	A	A	
Ae 150B	1-0-0	Aeronautical Seminar	01	Shepherd	M 13:00 - 13:55	101 GUG	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>AERONAUTICS</b>							
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Ortiz	TR 08:30 - 09:55	306 FIR	
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
			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 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/ACM 232A	3-0-6	Computational Fluid Dynamics	01	Colonus / Pullin	MW 16:00 - 17:30	206 TOM	
Ae 236	3-0-6	Separated Flows <i>Organizational Meeting on Monday, January 6, 2003 at 2:00 PM</i>	01	Gharib	OM,M 14:00 - 14:55	101 GUG	
Ae 237B	3-0-6	Nonsteady Gasdynamics <i>Organizational Meeting: Monday, January 6th, 2003 from 9:00 to 9:55 AM</i>	01	Hornung	OM,M 09:00 - 09:55	306 FIR	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM095B	4-0-8	Introductory Methods of Applied Mathematics	01	Pierce / Yong	MWF 11:00 - 11:55 T 11:00 - 11:55	119 KRK 3 BBB	
			02	Pierce / Yong	MWF 11:00 - 11:55 T 11:00 - 11:55	119 KRK 22 GTS	
			03	Pierce / Yong	MWF 11:00 - 11:55 R 09:00 - 09:55	119 KRK 142 KCK	
			04	Pierce / Yong	MWF 11:00 - 11:55 R 11:00 - 11:55	119 KRK 11 DWN	
			05	Pierce / Yong	MWF 11:00 - 11:55 W 14:00 - 14:55	119 KRK 142 KCK	
			06	Pierce / Yong	MWF 11:00 - 11:55 T 13:00 - 13:55	119 KRK 142 KCK	
			07	Pierce / Yong	MWF 11:00 - 11:55 T 14:00 - 14:55	119 KRK 142 KCK	
			08	Pierce / Yong	MWF 11:00 - 11:55 R 14:00 - 14:55	119 KRK 010 TOM	
			09	Yong / Pierce	MWF 11:00 - 11:55 R 14:00 - 14:55	119 KRK 27 GTS	
			10	Pierce / Yong	MWF 11:00 - 11:55 R 10:00 - 10:55	119 KRK 123 LAU	
			11	Pierce / Yong	MWF 11:00 - 11:55 W 15:00 - 15:55	119 KRK 22 GTS	
			12	Pierce / Yong	MWF 11:00 - 11:55 W 15:00 - 15:55	119 KRK 010 TOM	
ACM100B	4-0-8	Introductory Methods of Applied Mathematics	01	Pierce / Yong	MWF 11:00 - 11:55 T 11:00 - 11:55	119 KRK 3 BBB	
			02	Pierce / Yong	MWF 11:00 - 11:55 T 11:00 - 11:55	119 KRK 22 GTS	
			03	Pierce / Yong	MWF 11:00 - 11:55 R 09:00 - 09:55	119 KRK 142 KCK	
			04	Pierce / Yong	MWF 11:00 - 11:55 R 11:00 - 11:55	119 KRK 11 DWN	
			05	Pierce / Yong	MWF 11:00 - 11:55	119 KRK	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM100B	4-0-8	Introductory Methods of Applied Mathematics	05	Pierce / Yong	W 14:00 - 14:55	142 KCK	
			06	Pierce / Yong	MWF 11:00 - 11:55	119 KRK	
					T 13:00 - 13:55	142 KCK	
			07	Pierce / Yong	MWF 11:00 - 11:55	119 KRK	
					T 14:00 - 14:55	142 KCK	
			08	Pierce / Yong	MWF 11:00 - 11:55	119 KRK	
					R 14:00 - 14:55	010 TOM	
			09	Pierce / Yong	MWF 11:00 - 11:55	119 KRK	
					R 14:00 - 14:55	27 GTS	
			10	Pierce / Yong	MWF 11:00 - 11:55	119 KRK	
					R 10:00 - 10:55	123 LAU	
					MWF 11:00 - 11:55	119 KRK	
		W 15:00 - 15:55	22 GTS				
		MWF 11:00 - 11:55	119 KRK				
		W 15:00 - 15:55	010 TOM				
ACM101B	3-0-6	Methods of Applied Mathematics I	01	Cohen	MTR 14:00 - 14:55	308 FIR	
ACM 104	3-0-9	Linear Algebra	01	Novikov	MWF 10:30 - 11:55	306 FIR	
ACM111	3-0-6	Introduction to Numerical Analysis: Approximation Theory and Ordinary Differential Equations	01	Deng	MRF 15:00 - 15:55	308 FIR	
ACM/CS 114A	3-0-6	Parallel Algorithms for Scientific Applications	01	Meiron	TR 09:00 - 10:30	27 GTS	
Ma/ACM 142B	3-0-6	Ordinary and Partial Differential Equations	01	Schlag	TR 11:00 - 12:25	153 SLN	
ACM190	+	Reading and Independent Study	01	Staff	A	A	P
ACM201A	4-0-8	Partial Differential Equations	01	Bruno	TR 10:00 - 11:55	306 FIR	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM210B	3-0-6	Numerical Methods for PDEs	01	Hou	MWF 11:00 - 23:55	308 FIR	
Ae/ACM 232A	3-0-6	Computational Fluid Dynamics	01	Colonus / Pullin	MW 16:00 - 17:30	206 TOM	
ACM290B	1-0-0	Applied and Computational Mathematics	01	Staff	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
<b>APPLIED MECHANICS</b>							
AM 035B	3-0-6	Statics and Dynamics	01	Hall	MWF 11:00 - 11:55	206 TOM	G
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ravichandran	T 13:00 - 14:25 MW 15:00 - 15:55	101 GUG 101 GUG	
CE/Ae/AM 108B	3-0-6	Computational Mechanics	01	Hall	M 08:30 - 09:55 R 12:30 - 13:55	08 TOM 08 TOM	P
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 10:00 - 10:55	206 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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED MECHANICS</b>							
Ae/AM/ME 209B	1-0-0	Seminar in Solid Mechanics	01	Ravichandran	T 15:00 - 15:55	206 TOM	P
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
			12	Rosakis	A	A	P
			13	Tai	A	A	P
			14	Ustundag	A	A	P
<b>APPLIED PHYSICS</b>							
Aph/EE 009B	2-2-2	Solid-State Electronics for Integrated Circuits	01	Scherer	R 10:00 - 10:55 F 13:00 - 13:55	070 MRE 070 MRE	
Aph017B	3-0-6	Thermodynamics	01	Crosignani	MWF 09:00 - 09:55	010 TOM	G
Aph024	0-6-0	Introductory Modern Optics Laboratory <i>Limited Enrollment: 8 students per section.</i>	01	Shumate	T 13:00 - 17:00	24 STL	G
			02	Shumate	W 13:00 - 17:00	24 STL	G
			03	Shumate	R 13:00 - 17:00	24 STL	G
Aph077B	0-9-0	Laboratory in Applied Physics	01	Scherer	OM,T 16:00 - 16:55	104 WAT	G
Aph078B	+	Senior Thesis, Experimental	01	Staff	A	A	G
Aph079B	+	Senior Thesis, Theoretical	01	Staff	A	A	G

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED PHYSICS</b>							
APh100	+	Advanced Work in Applied Physics	01	Staff	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Shepherd	MWF 10:00 - 10:55	101 GUG	
Ae/APh 104B	1-3-5	Experimental Methods	01	Dimotakis	MWF 09:00 - 09:55	101 GUG	
APh105B	3-0-6	States of Matter	01	Marcus	OM,TR 13:00 - 14:25	132 NYS	G
APh109B	0-6-3	Micro/Nanofabrication Laboratory	01	Quake	OM,T 15:00 - 15:55	250 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan	M 13:00 - 13:55	104 WAT	P
APh114B	3-0-6	Solid-State Physics	01	Bockrath	MWF 08:30 - 09:25	104 WAT	G
APh/EE 130B	3-0-6	Introduction to Optoelectronics and Optoelectronic Devices	01	Crosignani	TR 09:00 - 10:25	104 WAT	G
APh/MS 141B	0-4-1	Microscopic Imaging, Diffraction, And Spectroscopy Laboratory <i>Cancelled</i>	01	Staff	OM,A	A	G
APh150	0-6-3	Topics in Applied Physics <i>Organizational Meeting: Monday, January 13th, 2003 from 3:00 to 4:00 PM in 104 Watson</i>	01	Phillips	OM,M 15:00 - 16:00	104 WAT	G
APh156B	3-0-6	Plasma Physics	01	Bellan	MW 09:00 - 10:25 F 10:00 - 11:25	125 STL 125 STL	
APh/BE 161	3-0-6	Biophysics <i>Cancelled</i>	01	Phillips	MW 15:30 - 16:55	104 WAT	
APh/EE 183B	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	McGill	TR 14:00 - 15:25	104 WAT	G



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED PHYSICS</b>							
APh190B	3-0-6	Quantum Electronics	01	Staff	M 09:30 - 10:55 T 10:30 - 11:55	104 WAT 104 WAT	
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
			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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED PHYSICS</b>							
APh200	+	Applied Physics Research	32	Yeh	A	A	P
			33	Zewail	A	A	P
APh214B	3-0-6	Advanced Solid-State Physics <i>Cancelled</i>	01	Staff	A	A	
Ph/APh 223B	3-0-6	Advanced Topics in Condensed Matter Physics	01	Yeh	MW 10:30 - 11:55	123 LAU	
APh250	+	Advanced Topics in Applied Physics	01	Staff	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
			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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED PHYSICS</b>							
APh300	+	Thesis Research in Applied Physics	25	Yariv	A	A	P
			26	Zewail	A	A	P
<b>ART HISTORY</b>							
Art052	3-0-6	British Art	01	Bennett	MW 15:00 - 16:25	125 BAX	
Art118	3-0-6	Modern Art	01	Dini	MW 13:30 - 14:55	125 BAX	
Art151	3-0-6	Traditions of Japanese Art	01	Wolfgram	TR 13:00 - 14:25	125 BAX	
<b>ASTRONOMY</b>							
Ay 021	3-0-6	Galaxies and Cosmology	01	Blain	T 16:00 - 17:25 R 16:30 - 17:55	106 ROB 106 ROB	
Ay 030	2-0-1	Current Trends in Astronomy <i>Location of Course: Home of Faculty Member (Contact the Astronomy Department)</i>	01	Sargent	T 19:00 - 20:55	A	P
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 <i>Section 8 W. Sargent. P grades will be given the firsttwo terms, and then changed at the end of the course to the appropriate letter grade.</i>	01	Blandford	A	A	P
			02	Djorgovski	A	A	P
			03	Hillenbrand	A	A	P
			04	Kamionkowski	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ASTRONOMY</b>							
Ay 078B	+	Senior Thesis	05	Phinney	A	A	P
		<i>Section 8 W. Sargent. P grades will be given the first two terms, and then changed at the end of the course to the appropriate letter grade.</i>	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>Ay 102 will be offered Spring Term 2002-03</i>	01	Staff	A	A	
Ay 105	1-6-2	Optical Astronomy Instrumentation Lab <i>Section 1- MT 7:00 PM - 10:00 PM, Rob 0014E; Section 2- W 1:00 PM - 4:00 PM; Th 3:00 PM - 6:00 PM Rob 0014E; Section 3 F 9:00 AM - 12:00 PM; 1:00 PM -4:00 PM Rob 0014E</i>	01	Steidel	M 12:30 - 13:25	106 ROB	
					MT 19:00 - 21:55	ROB	
					W 13:00 - 15:55	ROB	
					R 15:00 - 18:00	ROB	
					F 09:00 - 11:55	ROB	
					F 13:00 - 15:55	ROB	
Ay 121	3-0-6	Radiative Processes	01	Readhead	M 11:00 - 11:55	106 ROB	
					T 11:00 - 11:55	106 ROB	
					W 11:00 - 11:55	106 ROB	
Ay 124	3-0-6	Structure and Dynamics of Galaxies	01	Ellis	T 09:30 - 10:55	106 ROB	
					F 10:00 - 11:25	106 ROB	
Ay 125	3-0-6	High-Energy Astrophysics	01	Phinney / Kulkarni	M 10:00 - 10:55	106 ROB	
					WR 10:00 - 10:55	106 ROB	
Ay 126	3-0-6	Interstellar Medium <i>Ay 126 will be offered Spring Term 2002-03</i>	01	Staff	A	A	
Ay 141B	1-0-2	Research Conference in Astronomy	01	Hillenbrand / Sargent	F 16:00 - 16:55	106 ROB	
Ay 142	+	Research in Astronomy and Astrophysics	01	Blain	A	A	P
			02	Blake	A	A	P
			03	Blandford	A	A	P
			04	Brown	A	A	P
			05	Cohen	A	A	P
			06	Djorgovski	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ASTRONOMY</b>							
Ay 142	+	Research in Astronomy and Astrophysics	07	Ellis	A	A	P
			08	Goldreich	A	A	P
			09	Hilenbrand	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	Neugebauer	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	Schwartz	A	A	P
			22	Scoville	A	A	P
			23	Steidel	A	A	P
24	Westphal	A	A	P			
25	Zirin	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	Hilenbrand	A	A	P
			06	Kulkarni	A	A	P
			07	Martin	A	A	P
			08	Phinney	A	A	P
			09	Readhead	A	A	P
			10	Sargent	A	A	P
			11	Scoville	A	A	P
			12	Zirin	A	A	P
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB 176	3-0-6	The Molecular Basis of Protein Function <i>Limited Enrollment: 20 students</i>	01	Mayo / Roberts	TR 13:00 - 14:25	202 BRD	G
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
<b>BIOENGINEERING</b>							
APh/BE 161	3-0-6	Biophysics <i>Cancelled</i>	01	Phillips	MW 15:30 - 16:55	104 WAT	
BE/ChE 163	+	Introduction to the Design of Biological Molecules and Systems <i>Pending Faculty Board Approval. 9 units (3-0-6) or 12 units (3-3-6)</i>	01	Arnold	TR 09:00 - 10:30	101 GUG	G

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOENGINEERING</b>							
BE/ChE 200B	+	Introduction to the Design of Biological Molecules and Systems <i>Cancelled. See BE/ChE 163.</i>	01	Staff	A	A	G
BE 201B	3-5-4	Physiology for Bioengineering	01	Della Corte	TW 12:00 - 12:55 F 10:00 - 10:55	142 KCK 010 TOM	
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
<b>BIOLOGY</b>							
Bi 008	3-0-6	Introduction to Molecular Biology: Organization and Expression of Genetic Information	01	Chan	TR 13:00 - 14:25	22 GTS	P
Bi 012	3-0-6	Introduction to Developmental Biology	01	Bronner-Fraser	TR 09:30 - 10:55	100 - Rock Auditorium BRD	
Bi 022	+	Undergraduate Research	01	Abelson	A	A	P
			02	Alberola-Illa	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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOLOGY</b>							
Bi 022	+	Undergraduate Research	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
34	Wold	A	A	P			
35	Zinn	A	A	P			
Bi 023	+	Biology Tutorial <i>1) Mitochondrial diseases: New ways to explore neuroendocrinology. 2) Specialized Cell Cycles in Development. 3) Bacteria: Basic Concepts &amp; Examples of Pathogenic Processes. Limit 5 students. 4) Regulation of Development Gene Expression. Limit: 8 students 5) The Neurobiology of Pain.</i>	01	Strauss / Martin-Hernandez	OM,M 19:00 - 19:55	101 KRK	P
			02	Strauss / Yanow	OM,W 19:00 - 19:55	3 BBB	P
			03	Strauss / Bertani	OM,W 16:00 - 16:55	390 ALLES	P
			04	Strauss / Drewell	OM,W 16:00 - 16:55	101 KRK	P
			05	Kerr / Strauss	OM,W 16:00 - 16:55	138 BBB	P
Bi 090B	+	Undergraduate Thesis	01	Revel	A	A	P
			02	Konishi	A	A	P



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
<b>BIOLOGY</b>										
Bi 090B	+	Undergraduate Thesis	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	01	Campbell / Parker	TR 11:00 - 11:55 W 14:00 - 15:55 W 14:00 - 15:55	147 NYS 151 CRL 151 BRN	
			Bi 114	4-0-8	Immunology	01	Rothenberg / Bjorkman / Alberola-Illa	TF 14:00 - 15:55	151 BRN	
Bi 123	2-8-2	Genetics Laboratory	01	Hay	R 13:00 - 13:55 R 13:00 - 16:55	101 KRK 317 KRK				
Bi 125	2-0-4	Principles and Methods of Gene Transfer and Gene Manipulation in Eukaryotic Cells	01	Attardi	OM,W 10:00 - 10:55	101 KRK				
Bi 152	2-0-4	Introduction to Neuroethology	01	Konishi	TR 14:00 - 14:55	3 BBB				
Bi/CNS 161	0-9-0	Cellular and Molecular Neurobiology Laboratory <i>Cancelled. Offered Spring Term 2002-03.</i>	01	Staff	A	A				
ESE/Bi 168	3-0-6	Microbial Diversity	01	Newman	TR 13:30 - 14:55	267 ARM	G			
CNS/Bi 172	3-0-3	Clinical Neuropsychology	01	Bogen	W 13:00 - 15:55	101 KRK				

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOLOGY</b>							
Bi 182	2-0-4	Developmental Gene Regulation and Evolution of Animals	01	Davidson	R 14:00 - 15:55	024 KRK	G
Bi 218	2-0-4	Molecular Biology of Neural Development	01	Anderson	W 19:00 - 19:55	151 BRN	
Ge/Bi 244A	5-0-0	Paleobiology Seminar	01	Kirschvink	R 19:30 - 21:55	251 ARM	
Ge/Bi 246	2-0-4	Geomicrobiology Seminar	01	Newman	F 13:00 - 14:55	212 NMD	
CNS/Bi 247	2-0-4	Cerebral Cortex	01	Andersen	T 14:00 - 15:55	333 BCK	G
Bi 250B	3-0-6	Adventures in Biology	01	Siapas	TR 12:00 - 12:55	151 BRN	
Bi/BMB 251B	1-0-0	Current Research in Cellular and Molecular	01	Deshaies	W 12:00 - 12:55	24 BBB	
Bi 270	+	Special Topics in Biology <i>Advanced Topics in Developmental Biology. 6 units (3-0-3)</i>	01	Bronner-Fraser / Fraser	A	A	P
CNS/Bi 286B	3-3-3	Special Topics in Computation and Neural Systems <i>Computational Neuroscience</i>	01	Hamker	WF 14:00 - 15:55	080 MRE	P
Bi 299	+	Graduate Research	01	Abelson	A	A	P
			02	Alberola-Illa	A	A	P
			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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	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
			36	Richards	A	A	P
			37	Rothenberg	A	A	P
			38	Schuman	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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOLOGY</b>							
Bi 299	+	Graduate Research	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
<b>CAMBRIDGE</b>							
CAM100	36-0-0	Cambridge Colleges	01	Staff	A	A	
<b>CHEMICAL ENGINEERING</b>							
ChE010	2-0-1	Introduction to Chemical Engineering	01	Brady	W 12:00 - 12:55	113 SPL	
ChE063B	3-0-6	Chemical Engineering Thermodynamics	01	Asthagiri	T 09:00 - 11:00	102 SPL	G
					R 09:00 - 10:00	102 SPL	
ChE080	+	Undergraduate 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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMICAL ENGINEERING</b>							
ChE080	+	Undergraduate Research	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			
ChE090A	+	Senior Thesis	01	Davis	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	01	Seinfeld	MWF 09:00 - 09:55	102 SPL	G
ChE110A	3-0-6	Optimal Design of Chemical Systems	01	Wagner	R 19:30 - 21:25	106 SPL	G

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMICAL ENGINEERING</b>							
ChE126B	1-6-2	Chemical Engineering Laboratory	01	Giapis	M 11:00 - 11:55	106 SPL	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	106 SPL	G
ChE/ESE 158	3-3-3	Aerosol Physics and Chemistry	01	Flagan	MWF 13:00 - 13:55	102 SPL	G
BE/ChE 163	+	Introduction to the Design of Biological Molecules and Systems <i>Pending Faculty Board Approval. 9 units (3-0-6) or 12 units (3-3-6)</i>	01	Arnold	TR 09:00 - 10:30	101 GUG	G
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Marcus	TR 13:00 - 14:25	153 NYS	
BE/ChE 200B	+	Introduction to the Design of Biological Molecules and Systems <i>Cancelled. See BE/ChE 163.</i>	01	Staff	A	A	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
			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	Fraser	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMICAL ENGINEERING</b>							
ChE280	+	Chemical Engineering Research	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			
41	Atwater	A	A	P			
<b>CHEMISTRY</b>							
Ch 001B	4-0-5	General Chemistry	01	Beauchamp / Tirrell	MTR 11:00 - 11:55	Lecture Hall BAX	P
Ch 003A	0-5-1	Fundamental Techniques of Experimental Chemistry	01	Raymond	M 08:00 - 09:55	107 MEAD	P
					M 13:00 - 15:55	107 MEAD	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
Ch 003A	0-5-1	Fundamental Techniques of Experimental Chemistry <i>Limited Enrollment: 20 students per section</i>	02	Raymond	T 08:00 - 10:55	107 MEAD	P
			03	Raymond	R 08:00 - 10:55	107 MEAD	
					W 08:00 - 09:55	107 MEAD	P
					W 13:00 - 15:55	107 MEAD	
			04	Raymond	T 13:00 - 15:55	107 MEAD	P
					R 13:00 - 15:55	107 MEAD	
			05	Raymond	F 08:00 - 09:55	107 MEAD	P
					F 13:00 - 15:55	107 MEAD	
Ch 004B	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>Section Days/Times: 1) T 8- 11AM 2) W 8- 11AM 3) Th 8- 11AM 4) T 1- 4PM 5) W 1- 4PM; Each student should enroll in TWO 3-hour sections.Limited Enrollment: 12 students per section. Please sign-up in the Registrar's Office for Ch 4A sections.</i>	01	Raymond	OM,M 14:00 - 14:55	132 NYS	
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	
Ch 006A	0-6-4	Application of Physical Methods to Chemical Problems	01	Beauchamp / Okumura / Collier	OM,T 14:00 - 14:55	33 NYS	
Ch 010B	2-0-1	Frontiers in Chemistry <i>Lab Tour Sections: 1) Thursday 1:00 to 2:00 PM; 2) Thursday 2:00 to 3:00 PM</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	
Ch 024A	3-0-6	Introduction to Biophysical Chemistry	01	Rees	MWF 13:00 - 13:55	147 NYS	
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



CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<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
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
			29	Richards	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
Ch 081	+	Independent Reading in Chemistry	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 19:00 - 20:55 R 15:00 - 15:55	151 CRL 151 CRL	P
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression	01	Campbell / Parker	TR 11:00 - 11:55 W 14:00 - 15:55 W 14:00 - 15:55	147 NYS 151 CRL 151 BRN	
Ch 117	2-0-4	Intro to Electrochemistry	01	Staff	TR 14:30 - 15:55	132 NYS	
Ch 121A	3-1-5	Atomic Level Simulations of Materials and Molecules	01	Goddard	MWF 14:00 - 14:55	134 (Auditorium) BCK	
Ch 125B	3-0-6	The Elements of Quantum Chemistry	01	Mckoy / Weitekamp	MWF 11:00 - 11:55	132 NYS	
Ge/Ch 127	3-0-6	Nuclear Chemistry	01	Burnett	TR 14:30 - 15:55	212 NMD	
Ch 143	3-2-4	Basic FT NMR Spectroscopy	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	
Ch 154A	3-0-6	Organometallic Chemistry	01	Bercaw	MW 09:00 - 10:25	147 NYS	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Marcus	TR 13:00 - 14:25	153 NYS	
ESE/Ch/Ge 175B	3-0-6	Environmental Organic Chemistry	01	Hoffmann	MWF 10:00 - 10:55	106 SPL	G
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
			27	Okumura	A	A	P
			28	Parker	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
Ch 180	+	Chemical Research	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	
Ch 227A	3-0-6	Advanced Topics In Chemical Physics	01	Kuppermann	OM,W 13:30 - 14:25	132 NYS	
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
			14	Gavalas	A	A	P
			15	Giapis	A	A	P
			16	Goddard	A	A	P
			17	Gray	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
Ch 280	+	Chemical Research	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
<b>CIVIL ENGINEERING</b>							
CE 100	+	Special Topics in Civil Engineering	01	Hall	A	A	P



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS100	3-0-0	Introduction to Computation and Neural Systems <i>Cancelled for Winter Term 2002-03</i>	01	Koch	W 19:00 - 20:25	A	P
CS/CNS/EE 156B	3-0-6	Learning Systems	01	Abu-Mostafa	MWF 17:00 - 18:00	070 MRE	
Bi/CNS 161	0-9-0	Cellular and Molecular Neurobiology Laboratory <i>Cancelled. Offered Spring Term 2002-03.</i>	01	Staff	A	A	
CS/CNS 171	3-6-3	Introduction to Computer Graphics Laboratory	01	Barr	TR 13:30 - 14:55	134 (Auditorium) BCK	
CNS/Bi 172	3-0-3	Clinical Neuropsychology	01	Bogen	W 13:00 - 15:55	101 KRK	
CNS179	+	Reading in Computation and Neural Systems	01	Adami	A	A	P
			02	Abu-Mostafa	A	A	P
			03	Andersen	A	A	P
			04	Bruck	A	A	P
			05	Bower	A	A	P
			06	Barr	A	A	P
			07	Pine	A	A	P
			08	Burdick	A	A	P
			09	Allman	A	A	P
			10	Perona	A	A	P
			11	Fraser	A	A	P
			12	Shimojo	A	A	P
			13	Koch	A	A	P
			14	Winfree	A	A	P
CNS180	+	Research in Computation and Neural Systems	01	Barr	A	A	P
			02	Burdick	A	A	P
			03	Konishi	A	A	P
			04	Koch	A	A	P
			05	Abu-Mostafa	A	A	P
			06	Andersen	A	A	P
			07	Allman	A	A	P



CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS180	+	Research in Computation and Neural Systems	08	Bower	A	A	P
			09	Fraser	A	A	P
			10	Quartz	A	A	P
			11	Winfree	A	A	P
			12	Sternberg	A	A	P
			13	Laurent	A	A	P
			14	Pine	A	A	P
			15	Goodman	A	A	P
			16	Psaltis	A	A	P
			17	Perona	A	A	P
			18	Bruck	A	A	P
			19	Schuman	A	A	P
			20	Wold	A	A	P
			21	Adami	A	A	P
22	Shimojo	A	A	P			
CNS/CS/EE 188A	3-0-6	Computation Theory and Neural Systems	01	Bruck	MT 13:30 - 14:55	080 MRE	
CNS200	1-0-0	Introduction to Computation and Neural Systems <i>Meeting Times: W 7:00 to 8:00 PM in Beckman Institute Room 115</i>	01	Koch	W 19:00 - 20:00	115 BCK	
CNS/Bi 247	2-0-4	Cerebral Cortex	01	Andersen	T 14:00 - 15:55	333 BCK	G
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	Winfree	A	A	P
			07	Quartz	A	A	P
			08	Barr	A	A	P
			09	Allman	A	A	P
			10	Murray	A	A	P

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS280	+	Research in Computation and Neural Systems	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
CNS/Bi 286B	3-3-3	Special Topics in Computation and Neural Systems <i>Computational Neuroscience</i>	01	Hamker	WF 14:00 - 15:55	080 MRE	P
<b>COMPUTER SCIENCE</b>							
CS 002	2-4-3	Introduction to Programming Methods	01	Nystroem	MW 13:00 - 13:55	22 GTS	P
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Chan	MTR 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>Permission of Instructor Required. Up to a maximum of 12 units.</i>	01	Boyk	OM,W 11:00 - 12:10	2c WINN	P
CS 020B	3-3-3	Computation, Computers, and Programs <i>Section 1: TTh 9:00 - 10:00 AM 74 Jrg;</i> <i>Section 2: TTh 10:00 - 11:00 308 FIR;</i> <i>Recitation: Th 7:30 - 8:30 PM 74 JRG</i>	01	Chandy	TR 09:00 - 10:00	74 JRG	G
					TR 10:00 - 11:00	308 FIR	
					R 19:30 - 20:30	74 JRG	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTER SCIENCE</b>							
CS 040A	1-8-0	Programming Laboratory	01	George	MW 13:00 - 14:25	070 MRE	
EE/CS 051	+	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 <i>(0-9-0) or (0-12-0) units offered</i>	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
			02	Staff	A	A	P
			03	Barr	A	A	P
			04	Chandy	A	A	P
			05	De Hon	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 090	+	Undergrad Research 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	De Hon	A	A	P
			06	George	A	A	P
			07	Hickey	A	A	P
			08	Low	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTER SCIENCE</b>							
CS 090	+	Undergrad Research in Computer Science	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
EE/CS 107B	+	Projects in Music and Science <i>Permission of Instructor Required</i>	01	Boyk	OM,W 11:00 - 12:10	2c WINN	P
ACM/CS 114A	3-0-6	Parallel Algorithms for Scientific Applications	01	Meiron	TR 09:00 - 10:30	27 GTS	
Ma/CS 117B	3-0-6	Computability Theory	01	Clemens	TR 11:00 - 12:25	257 SLN	
CS 134B	3-6-3	Computing Systems: Compilers and Languages Laboratory	01	Hickey	MWF 14:00 - 14:55	74 JRG	G
CS 138B	3-0-6	Computer Algorithms	01	Schroder	TR 10:00 - 11:25	74 JRG	
CS 140A	1-8-0	Programming Laboratory	01	George	MW 13:00 - 14:25	070 MRE	
CS 141A	3-3-3	Distributed Computation Laboratory	01	Zimmerman / Chandy	TR 13:00 - 14:25	287 JRG	
CS/EE 145B	3-3-3	Networking	01	Low	W 10:00 - 11:30	262 JRG	
CS 150	3-0-6	Probability and Algorithms	01	Schulman	MW 10:30 - 11:55	287 JRG	
CS/CNS/EE 156B	3-0-6	Learning Systems	01	Abu-Mostafa	MWF 17:00 - 18:00	070 MRE	
CS/CNS 171	3-6-3	Introduction to Computer Graphics Laboratory	01	Barr	TR 13:30 - 14:55	134 (Auditorium) BCK	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa	A	A	P
			02	Staff	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
<b>COMPUTER SCIENCE</b>										
CS 180	+	Master's Thesis Research	03	Barr	A	A	P			
			04	Chandy	A	A	P			
			05	De Hon	A	A	P			
			06	George	A	A	P			
			07	Hickey	A	A	P			
			08	Low	A	A	P			
			09	Martin	A	A	P			
			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/EE 181B	3-6-3	VLSI Design Laboratory	01	Martin	TR 13:15 - 14:45	74 JRG	
			CS/EE 184A	3-3-3	Computer Architecture	01	DeHon	MWF 09:00 - 10:25	74 JRG	G
CNS/CS/EE 188A	3-0-6	Computation Theory and Neural Systems	01	Bruck	MT 13:30 - 14:55	080 MRE				
CS 280	+	Research 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	Martin	A	A	P			
			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			

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTER SCIENCE</b>							
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	De Hon	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	Winfrey	A	A	P
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS110B	3-0-6	Introduction to Control of Physical Systems	01	Murray	M 14:00 - 14:55 W 13:00 - 14:55	206 TOM 206 TOM	
CDS140B	3-0-6	Introduction to Dynamics	01	Staff	TR 10:30 - 11:55	125 STL	
CDS202	3-0-6	Geometry of Nonlinear Systems	01	Marsden	MW 12:30 - 13:55 F 13:00 - 14:25	125 STL 125 STL	
CDS213	3-0-6	Robust Control	01	Doyle	TR 13:00 - 14:55	125 STL	
CDS270	+	Advanced Topics in Systems and Control	01	Staff	A	A	
CDS280	+	Advanced Topics in Geometric Mechanics or Dynamical Systems Theory <i>Wednesdays 2:00 PM to 2:55 PM in 110 Steel</i>	01	Marsden	A	A	P
CDS300	+	Research in Control and Dynamical Systems	01	Perona	A	A	P
			02	Murray	A	A	P
			03	Koch	A	A	P

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>							
CDS300	+	Research in Control and Dynamical Systems	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>COPENHAGEN</b>							
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	
<b>CORE</b>							
Core001A	1-0-0	Science Writing <i>Limited Enrollment: 120 students.</i>	01	Pierce	A	A	P
Core001B	2-0-0	Scientific Writing <i>Limited Enrollment: 120 students.</i> <i>Organizational Meeting: Wednesday, January 8, 2003 from 3 to 4pm</i>	01	Pierce	OM,W 15:00 - 16:00	119 KRK	G
<b>ECONOMICS</b>							
Ec 011	3-0-6	Introduction to Economics	01	Davis	MWF 08:30 - 09:25	25 BAX	
Ec 116	3-0-6	Contemporary Socioeconomic Problems	01	Dubin	MW 10:30 - 11:55	127 BAX	
Ec 121A	3-0-6	Theory of Value	01	Staff	TR 13:00 - 14:25	103 DWN	
Ec 122	3-0-6	Econometrics	01	Grether	MW 14:30 - 15:55	128 BAX	
Ec/SS 130	3-0-6	Economic History of Europe from the Middle Ages to the Industrial Revolution	01	Hoffman	TR 10:00 - 11:25	125 BAX	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ECONOMICS</b>							
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences	01	Plott	T 08:30 - 09:55 R 08:30 - 10:55	218 BAX 218 BAX	
<b>ELECTRICAL ENGINEERING</b>							
APh/EE 009B	2-2-2	Solid-State Electronics for Integrated Circuits	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>Permission of Instructor Required. Up to a maximum of 12 units.</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	+	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 <i>(0-9-0) or (0-12-0) units offered</i>	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>Tuesday, January 7th and Thursday, January 16th, 2003</i>	01	Megdal	OM,R 15:00 - 15:55	080 MRE	G
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 <i>Permission of Instructor Required</i>	01	Boyk	OM,W 11:00 - 12:10	2c WINN	P



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ELECTRICAL ENGINEERING</b>							
EE 112A	3-0-6	Digital Signal Processing	01	Vaidyanathan	TR 13:00 - 14:25	070 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	MW 13:00 - 14:30	107 DWN	P
EE/Ma 127A	3-0-6	Error-Correcting Codes	01	McEliece	MWF 09:00 - 09:55	070 MRE	
APh/EE 130B	3-0-6	Introduction to Optoelectronics and Optoelectronic Devices	01	Crosignani	TR 09:00 - 10:25	104 WAT	G
CS/EE 145B	3-3-3	Networking	01	Low	W 10:00 - 11:30	262 JRG	
EE 150	+	Topics in Electrical Engineering	01	Staff	A	A	P
EE 151	3-2-7	Electromagnetic Engineering	01	Psaltis	MWF 11:00 - 11:55	070 MRE	
CS/CNS/EE 156B	3-0-6	Learning Systems	01	Abu-Mostafa	MWF 17:00 - 18:00	070 MRE	
EE/Ge 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Yung / Van Zyl	WF 13:00 - 14:25	104 WAT	
EE/Ge 158A	0-2-1	Application of Digital Images and Remote Sensing	01	Albee	F 12:00 - 13:25	SMD	
EE 160	3-0-6	Communication-System Fundamental	01	Hassibi	MW 09:00 - 10:25	134 (Auditorium) BCK	G
EE 163A	0-0-0	Communication Theory	01	Arabshahi	MR 16:00 - 17:25	080 MRE	G
CS/EE 181B	3-6-3	VLSI Design Laboratory	01	Martin	TR 13:15 - 14:45	74 JRG	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ELECTRICAL ENGINEERING</b>							
APh/EE 183B	3-0-6	Physics of Semiconductors and Semiconductor Devices	01	McGill	TR 14:00 - 15:25	104 WAT	G
CS/EE 184A	3-3-3	Computer Architecture	01	DeHon	MWF 09:00 - 10:25	74 JRG	G
CNS/CS/EE 188A	3-0-6	Computation Theory and Neural Systems	01	Bruck	MT 13:30 - 14:55	080 MRE	
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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<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
<b>ENGLISH</b>							
En 001B	3-0-6	English as a Second Language <i>(3-0-6) or (4-0-5) Units Offered</i>	01	Fonseca	TR 14:00 - 15:55	24 BBB	
<b>ENGRG. &amp; APPLIED SCIENCE</b>							
E 010	1-0-2	Technical Seminar Presentations <i>Organizational Meeting on Tuesday, January 7th, 2003 at 7:30 PM.</i>	01	Fender	OM,T 19:30 - 20:25	142 KCK	
					M 09:00 - 09:55	142 KCK	
			02	Fender	OM,T 19:30 - 20:25	142 KCK	
					M 10:00 - 10:55	142 KCK	
			03	Fender	OM,T 19:30 - 20:25	142 KCK	
					M 11:00 - 11:55	142 KCK	
			04	Fender	OM,T 19:30 - 20:25	142 KCK	
					W 09:00 - 09:55	142 KCK	
			05	Fender	OM,T 19:30 - 20:25	142 KCK	
					W 10:00 - 10:55	142 KCK	
06	Fender	OM,T 19:30 - 20:25	142 KCK				
		W 11:00 - 11:55	142 KCK				
07	Fender	OM,T 19:30 - 20:25	142 KCK				
		F 09:00 - 09:55	142 KCK				
08	Fender	OM,T 19:30 - 20:25	142 KCK				
		F 10:00 - 10:55	142 KCK				
09	Fender	OM,T 19:30 - 20:25	142 KCK				
		T 11:00 - 11:55	142 KCK				
E 102	3-0-3	Entrepreneurial Development	01	Pickar	TR 19:00 - 20:25	153 NYS	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ENGRG. &amp; APPLIED SCIENCE</b>							
E 150B	1-0-0	Engineering Seminar	01	Staff	A	A	P
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE090	+	Undergraduate Laboratory Research in Environmental Engineering Science	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	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Yung	A	A	P
ESE100	+	Special Topics in Environmental Engineering Science	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	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Yung	A	A	P
			12	Schneider	A	A	P
ESE142	3-0-6	Aquatic Chemistry	01	Hering	MWF 14:00 - 14:55	102 SPL	G
ESE/Ge 148B	3-0-6	Global Environmental Science: Atmosphere- Ocean Circulations	01	Ingersoll	MW 12:00 - 12:55	162 SMD	
					R 09:30 - 10:25	162 SMD	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE150B	1-0-0	Seminar in Environmental Science and Engineering	01	Staff	W 16:00 - 16:55	142 KCK	P
ESE/Ge 152B	3-0-6	Physics of Atmospheres and Oceans	01	Yung / Sander	MWF 09:30 - 09:55	215 NMD	G
Ge/ESE 154	+	Readings in Paleoclimate	01	Adkins	A	A	P
ChE/ESE 158	3-3-3	Aerosol Physics and Chemistry	01	Flagan	MWF 13:00 - 13:55	102 SPL	G
ESE/Bi 168	3-0-6	Microbial Diversity	01	Newman	TR 13:30 - 14:55	267 ARM	G
ESE/Ch/Ge 175B	3-0-6	Environmental Organic Chemistry	01	Hoffmann	MWF 10:00 - 10:55	106 SPL	G
ESE200	+	Advanced Topics in Environmental Engineering	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	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Yung	A	A	P
ESE250	+	Advanced Environmental Seminar	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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE250	+	Advanced Environmental Seminar	09	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Yung	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	Seinfeld	A	A	P
			10	Wennberg	A	A	P
			11	Yung	A	A	P
<b>GEOLOGICAL &amp; PLANETARY SCIENCE</b>							
Ge 136B	1-0-2	Regional Field Geology of the Southwestern United States <i>Ge 136B Field Trips: February 21st - 27th, 2003</i>	01	Kirschvink	A	A	P
<b>GEOLOGY</b>							
Ge 011B	3-3-3	Introduction to Earth and Planetary Sciences <i>Note: Ge 11B Field Trips: January 17th - 20th, 2003.</i>	01	Kirschvink	M 14:00 - 15:55 T 15:00 - 15:55 W 12:00 - 14:55 R 15:00 - 15:55 W 19:00 - 21:55	251 ARM 251 ARM 251 ARM 251 ARM 251 ARM	
Ge 066	3-0-6	Planet Earth <i>Cancelled</i>	01	Helmberger	OM,M 09:00 - 09:25	162a SMD	
Ge 100B	1-0-0	Geology Club <i>Geology Club</i>	01	Kirschvink	R 16:00 - 16:55	151 ARM	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>GEOLOGY</b>							
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 <i>Lab Hours: Thursdays 3:00 - 3:55 PM in 251 Arms; Wednesday 12:00 - 2:55PM in 251 Arms.</i>	01	Kirschvink	M 14:00 - 15:55 R 15:00 - 15:55 W 12:00 - 14:55 T 15:00 - 15:55 W 19:00 - 21:55 R 15:00 - 15:55	251 ARM 251 ARM 251 ARM 251 ARM 251 ARM 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 TF 09:00 - 10:55	251 ARM 267 ARM	
Ge 121B	0-9-3	Advanced Field and Structural Geology <i>Ge 121B Field Trips: February 6th - 9th, 2003; February 13th - 16th, 2003; March 15th - 18th, 2003</i>	01	Wernicke	M 11:00 - 11:55	318 NMD	
Ge 124A	3-3-3	Paleomagnetism and Magnetostratigraphy <i>Ge 124A Field Trips: March 15th - 18th, 2003</i>	01	Kirschvink	OM,M 11:30 - 11:55	215 NMD	
Ge/Ch 127	3-0-6	Nuclear Chemistry	01	Burnett	TR 14:30 - 15:55	212 NMD	
Ge 135	3-0-3	Regional Geology of Southern California (Seminar)	01	Silver / Saleeby	T 19:30 - 21:25	151 ARM	
Ge 140A	2-0-7	Introduction to Isotope Geochemistry <i>Cancelled</i>	01	Eiler	OM,M 11:00 - 11:25	267 ARM	
ESE/Ge 148B	3-0-6	Global Environmental Science: Atmosphere-Ocean Circulations	01	Ingersoll	MW 12:00 - 12:55 R 09:30 - 10:25	162 SMD 162 SMD	
Ge 150	3-0-6	Planetary Atmospheres	01	Richardson	TR 13:00 - 14:25	365 SMD	
Ge 151B	3-0-3	Topics in Planetary Surfaces	01	Albee	W 14:30 - 15:55	SMD	

**CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>GEOLOGY</b>							
ESE/Ge 152B	3-0-6	Physics of Atmospheres and Oceans	01	Yung / Sander	MWF 09:30 - 09:55	215 NMD	G
Ge/ESE 154	+	Readings in Paleoclimate	01	Adkins	A	A	P
EE/Ge 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	Yung / Van Zyl	WF 13:00 - 14:25	104 WAT	
EE/Ge 158A	0-2-1	Application of Digital Images and Remote Sensing	01	Albee	F 12:00 - 13:25	SMD	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Ortiz	TR 08:30 - 09:55	306 FIR	
Ge 161	3-0-6	Plate Tectonics	01	Stock	T 14:30 - 15:55 R 09:00 - 09:55 F 14:00 - 14:55	215 NMD 215 NMD 215 NMD	
Ge 162	3-0-6	Seismology	01	Kanamori	T 09:00 - 09:55 RF 12:00 - 12:55	162a SMD 162a SMD	
Ge 165B	3-0-6	Geophysical Data Analysis <i>Cancelled. Offered Spring 2002-03</i>	01	Simons / Clayton	OM,M 11:30 - 11:55	162a SMD	
Ge 166	3-0-6	Physics of the Earth's Interior	01	Rosen	T 10:00 - 11:55 F 10:00 - 11:55	267 ARM 251 ARM	
Ge 169A	+	Readings in Geophysics <i>Cancelled. Will be offered during Spring Term 2002-03.</i>	01	Staff	A	A	P
ESE/Ch/Ge 175B	3-0-6	Environmental Organic Chemistry	01	Hoffmann	MWF 10:00 - 10:55	106 SPL	G
Ge 179B	1-0-0	Seismological Laboratory Seminar	01	Staff	F 16:00 - 16:55	256 SMD	P
Ge 190	+	The Nature and Evolution of the Earth	01	Staff	A	A	



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>GEOLOGY</b>							
Ge 191	+	Special Topics in Geochemistry	01	Staff	A	A	
Ge 212	3-0-6	Thermodynamics of Geological Systems	01	Asimow	MTR 15:00 - 15:55	267 ARM	
Ge 225B	1-0-0	Planetary Sciences Seminar	01	Staff	T 16:00 - 16:55	365 SMD	
Ge/Bi 244A	5-0-0	Paleobiology Seminar	01	Kirschvink	R 19:30 - 21:55	251 ARM	
Ge/Bi 246	2-0-4	Geomicrobiology Seminar	01	Newman	F 13:00 - 14:55	212 NMD	
Ge 260	3-2-4	Physics of Earth Materials	01	Ahrens / Stock	MW 10:00 - 10:25	162 SMD	
Ge 263	3-0-6	Computational Geophysics	01	Tromp / Clayton / Gurnis	MWF 09:00 - 09:55 R 11:00 - 11:55	162a SMD 162a SMD	
Ge 282B	1-0-0	Division Seminar	01	Staff	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
			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	Gurnis	A	A	P
			12	Heaton	A	A	P
			13	Helmberger	A	A	P
			14	Ingersoll	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>GEOLOGY</b>							
Ge 297	+	Advanced Study	15	Kanamori	A	A	P
			16	Kirschvink	A	A	P
			17	Staff	A	A	P
			18	Newman	A	A	P
			19	Randerson	A	A	P
			20	Richardson	A	A	P
			21	Rosakis	A	A	P
			22	Rossmann	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	Westphal	A	A	P
			35	Yung	A	A	P
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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>GEOLOGY</b>							
Ge 299	+	Thesis Research	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	Rossman	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			
<b>HISTORY</b>							
Hum/H 002	3-0-6	American History <i>Limited Enrollment: 15 students per section</i>	01	Deverell	T 09:00 - 10:55	127 BAX	
					R 09:00 - 09:55	127 BAX	
			02	Deverell	T 14:00 - 15:55	210 BAX	
					R 15:00 - 15:55	210 BAX	
Hum/H 003A	3-0-6	European Civilization: The Classical and Medieval Worlds <i>Limited Enrollment: 15 students per sections</i>	01	Brown	T 09:00 - 10:55	210 BAX	
					R 09:00 - 09:55	210 BAX	
			02	Oliver	T 14:00 - 15:55	115 BCK	
					R 15:00 - 15:55	115 BCK	
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Limited Enrollment: 15 students per section</i>	01	Brewer	T 14:00 - 15:55	218 BAX	
					R 15:00 - 15:55	218 BAX	
			02	Hoffman	T 14:00 - 15:55	237 BAX	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HISTORY</b>							
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Limited Enrollment: 15 students per section</i>	02	Hoffman	R 15:00 - 15:55	237 BAX	
Hum/H/SES 010A	3-0-6	Introduction to the History of Science <i>Limited Enrollment: 15 students</i>	01	Feingold	R 19:00 - 21:55	315 BAX	
H 040	+	Reading in History	01	Staff	A	A	P
H 097A	+	Junior Tutorial	01 02	Staff Deverell	A A	A A	P P
H 098B	+	Senior Tutorial	01	Staff	A	A	P
H 099B	1-0-8	Research Tutorial	01	Staff	A	A	P
H 144	3-0-6	Topics in the History of American Immigration <i>Immigration in the United States. Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01	Feldblum	R 19:00 - 21:55	127 BAX	
H/PS 148A	3-0-6	The Supreme Court in U.S. History <i>Limited Enrollment: 30 students</i>	01	Kousser	T 19:30 - 22:25	210 BAX	G
H/SS 154A	3-0-6	Race Relations in History and Social Science <i>Limited Enrollment: 30 students</i>	01	Kousser	W 19:30 - 22:25	210 BAX	
SES/H 160B	3-0-6	Einstein and His Generation: The History of Modern Physical Sciences	01	Kormos-Buchwald / Kennefick	R 19:00 - 21:55	128 BAX	
H 161	3-0-6	Selected Topics in History - Limited Enrollment <i>Section 1 - What is History? Limited Enrollment: 17 students. Section 2 - The Traditional Chinese Family: Old and New Approaches. Limited Enrollment: 20 students. Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01 02	Brewer Campbell	R 19:00 - 21:55 T 19:00 - 21:55	237 BAX 218 BAX	

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HISTORY</b>							
SES/H 167	3-0-6	Experimenting with History/Historic Experiment	01	Buchwald / Collins	T 14:00 - 14:55	33 BAX	
					R 14:00 - 15:55	33 BAX	
<b>HUMANITIES</b>							
Hum/H 002	3-0-6	American History <i>Limited Enrollment: 15 students per section</i>	01	Deverell	T 09:00 - 10:55	127 BAX	
					R 09:00 - 09:55	127 BAX	
			02	Deverell	T 14:00 - 15:55	210 BAX	
					R 15:00 - 15:55	210 BAX	
Hum/H 003A	3-0-6	European Civilization: The Classical and Medieval Worlds <i>Limited Enrollment: 15 students per sections</i>	01	Brown	T 09:00 - 10:55	210 BAX	
					R 09:00 - 09:55	210 BAX	
			02	Oliver	T 14:00 - 15:55	115 BCK	
					R 15:00 - 15:55	115 BCK	
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Limited Enrollment: 15 students per section</i>	01	Brewer	T 14:00 - 15:55	218 BAX	
					R 15:00 - 15:55	218 BAX	
			02	Hoffman	T 14:00 - 15:55	237 BAX	
					R 15:00 - 15:55	237 BAX	
Hum004A	3-0-6	Civilization, Science, and Archaeology <i>Section 1 - Before Greece: The Originis of Civilization in Mesopotamia. Limited Enrollment: 15 students per section.</i>	01	Buchwald	W 19:00 - 21:55	237 BAX	
					02	Eaton	T 09:00 - 10:55
			R 09:00 - 09:55	33 BAX			
Hum/Lit 005	3-0-6	Major British Authors <i>Limited Enrollment: 15 students per section</i>	01	Mandel	TRF 14:00 - 14:55	315 BAX	
					02	Pigman	T 14:00 - 15:55
			R 15:00 - 15:55	127 BAX			
Hum/Lit 006	3-0-6	Major American Authors <i>Limited Enrollment: 15 per sections</i>	01	Weinstein	T 09:00 - 10:55	237 BAX	
					R 09:00 - 09:55	237 BAX	
			02	Weinstein	T 14:00 - 15:55	19 BAX	
					R 15:00 - 15:55	19 BAX	
Hum/PI 008	3-0-6	Right and Wrong <i>Limited Enrollment: 15 students</i>	01	Woodward	T 14:00 - 15:55	128 BAX	
					R 15:00 - 15:55	128 BAX	
Hum/PI 009	3-0-6	Knowledge and Reality <i>Limited Enrollment: 15 students per sections</i>	01	Colyvan	T 09:00 - 10:55	19 BAX	
					R 09:00 - 09:55	19 BAX	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HUMANITIES</b>							
Hum/PI 009	3-0-6	Knowledge and Reality <i>Limited Enrollment: 15 students per sections</i>	02	Murphy	T 14:00 - 15:55	27 GTS	
			03	Murphy	R 15:00 - 15:55 T 19:00 - 21:55	102 SPL 237 BAX	
Hum/H/SES 010A	3-0-6	Introduction to the History of Science <i>Limited Enrollment: 15 students</i>	01	Feingold	R 19:00 - 21:55	315 BAX	
Hum032	1-1-1	Humanities on Film <i>The Films of Frank Capra</i>	01	Jurca	A	House STL	G
<b>JET PROPULSION</b>							
Ae/JP 103B	3-0-6	Propulsion , Dynamics, and Control of Aircraft	01	Leonard	TR 08:30 - 09:55	308 FIR	
JP 280	+	Research in Jet Propulsion	01	Culick	A	A	P
<b>LANGUAGES</b>							
L 102B	3-1-6	Elementary French	01	Orcel	MTW 17:00 - 17:55	125 BAX	
L 103B	3-0-6	Intermediate French	01	De Bedts	OM,M 13:00 - 13:55	218 BAX	
L 105A	3-0-6	French Literature	01	Orcel	M 14:00 - 14:55	237 BAX	
					W 13:00 - 13:55	315 BAX	
					F 12:00 - 12:55	237 BAX	
L 106B	5-1-4	Elementary Japanese	01	Hirai	MWRF 14:00 - 14:55	218 BAX	G
					T 14:00 - 14:55	08 TOM	
			02	Hirai	MWF 15:00 - 15:55	218 BAX	G
					T 15:00 - 15:55 R 15:00 - 15:55	315 BAX 142 KCK	
L 107B	5-1-4	Intermediate Japanese	01	Hirata	M 14:00 - 14:55	010 TOM	G
					T 12:00 - 12:55	315 BAX	
					W 14:00 - 15:00	315 BAX	
					RF 14:00 - 15:00	19 BAX	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>LANGUAGES</b>							
L 108B	3-1-6	Advanced Japanese	01	Hirata	T 10:00 - 11:55 WF 11:00 - 11:55	218 BAX 210 BAX	G
L 110B	3-1-6	Elementary Spanish	01 02	Garcia Arjona	MTR 13:00 - 13:55 MWR 20:00 - 20:55	33 BAX 125 BAX	
L 112B	3-0-6	Intermediate Spanish	01	Arjona	M 19:00 - 19:55 WF 19:00 - 19:55	127 BAX 125 BAX	
L 114B	3-0-6	Topics in Spanish and Latin American Culture and Literature	01	Garcia	TR 16:00 - 17:30	128 BAX	
L 121B	3-0-6	Elementary Latin <i>Limited Enrollment: 20 students</i>	01	Brown	TR 11:30 - 12:30 F 12:00 - 12:55	218 BAX 218 BAX	
L 130B	3-1-6	Elementary German	01 02	Washburn Washburn	MWR 13:00 - 13:55 MWR 14:00 - 14:55	210 BAX 210 BAX	
L 132B	3-0-6	Intermediate German	01	Aebi	MWR 13:00 - 13:55	237 BAX	
L/Lit 152B	3-0-6	French Literature in Translation: Classical and Modern	01	De Bedts	T 19:00 - 20:55 R 18:30 - 19:25	33 BAX 210 BAX	
L/Lit 160B	3-0-6	German Literature in Translation	01	Aebi	T 12:00 - 12:55 R 19:30 - 21:25	33 BAX 33 BAX	
L 170B	4-1-5	Introduction to Chinese	01	Wang	MW 15:00 - 15:55 R 15:00 - 15:55	210 BAX 315 BAX	
L 171B	4-1-5	Elementary Chinese	01	Wang	MWR 19:10 - 20:15	218 BAX	
L 172B	4-1-5	Intermediate Chinese	01	Ming	MTW 19:15 - 20:10	315 BAX	
L 173B	3-1-6	Advanced Chinese	01	Ming	MTW 20:20 - 21:15	315 BAX	
<b>LAW</b>							

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>LAW</b>							
Law033	3-0-6	Introduction to the Law <i>Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01	Staff	TR 13:00 - 14:25	Lecture Hall BAX	
<b>LITERATURE</b>							
Hum/Lit 005	3-0-6	Major British Authors <i>Limited Enrollment: 15 students per section</i>	01	Mandel	TRF 14:00 - 14:55	315 BAX	
			02	Pigman	T 14:00 - 15:55	127 BAX	
					R 15:00 - 15:55	127 BAX	
Hum/Lit 006	3-0-6	Major American Authors <i>Limited Enrollment: 15 per sections</i>	01	Weinstein	T 09:00 - 10:55	237 BAX	
					R 09:00 - 09:55	237 BAX	
			02	Weinstein	T 14:00 - 15:55	19 BAX	
				R 15:00 - 15:55	19 BAX		
Lit030	+	Reading in English	01	Staff	A	A	P
Lit086	3-0-6	Writing Fiction: Realism <i>Limited Enrollment: 16 students</i>	01	Gerber	MR 19:30 - 20:55	210 BAX	
Lit088	3-0-6	Writing Nonfiction <i>Women and Writing. Limited Enrollment: 16 students. Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01	Staff	T 15:00 - 15:55 R 19:30 - 21:25	010 TOM 210 BAX	
Lit099	1-0-8	Senior Tutorial for Literature Majors	01	Staff	A	A	
Lit114B	3-0-6	Shakespeare <i>Limited Enrollment: 15 students per section</i>	01	La Belle / Marneus	MW 13:00 - 14:25	127 BAX	
			02	La Belle / Marneus	MW 13:00 - 14:25	127 BAX	
Lit133	3-0-6	19th-Century American Women Writers	01	Weinstein	T 16:00 - 18:55	127 BAX	G
L/Lit 152B	3-0-6	French Literature in Translation: Classical and Modern	01	De Bedts	T 19:00 - 20:55 R 18:30 - 19:25	33 BAX 210 BAX	
L/Lit 160B	3-0-6	German Literature in Translation	01	Aebi	T 12:00 - 12:55 R 19:30 - 21:25	33 BAX 33 BAX	



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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>LITERATURE</b>							
Lit180	3-0-6	Special Topics in Literature	01	Staff	T 19:00 - 21:55	127 BAX	
		<i>Section 1 - Race, Memory, and Technology in Asian American Lit. and Film. Limited Enrollment: 20 students.</i>	02	Sutherland	M 19:30 - 22:30	237 BAX	
		<i>Section 2 - "Difficult" Poem. Limited Enrollment: 12 students.</i>	03	Sutherland	W 19:30 - 22:30	127 BAX	
		<i>Section 3 - Contemporary American Fiction. Limited Enrollment: 12 students.</i>					
<b>MATERIALS SCIENCE</b>							
MS 015B	3-0-6	Fundamentals of Materials Science	01	Ustundag	MWF 09:00 - 09:55	115 BCK	
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	W 16:00 - 17:55	106 SPL	
MS 130	3-0-6	Diffraction and Structure <i>Note: MS 130 is the non-lab version of MS 131. Lecture: MWF 10:00 - 10:55AM</i>	01	Fultz	MWF 10:00 - 10:55	070 MRE	
MS 132	3-3-6	Diffraction and Structure of Materials	01	Fultz / Ahn	MWF 10:00 - 10:55	070 MRE	
APh/MS 141B	0-4-1	Microscopic Imaging, Diffraction, And Spectroscopy Laboratory <i>Cancelled</i>	01	Staff	OM,A	A	G

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATERIALS SCIENCE</b>							
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
			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
ME/MS 260B	3-0-12	Micromechanics	01	Bhattacharya	WF 08:30 - 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
			<b>MATHEMATICS</b>				
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1 - 8 Practical Track / Section 9 - 13 Analytical Track. Limited Enrollment: 17 students per section.</i>	01	Kechris	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 159 SLN	P
			02	Kechris	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 151 SLN	P
			03	Kechris	MWF 10:00 - 10:55 R 10:00 - 10:55	Lecture Hall BAX 22 GTS	P
			04	Kechris	MWF 10:00 - 10:55	Lecture Hall BAX	P

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra <i>Sections 1 - 8 Practical Track / Section 9 - 13 Analytical Track. Limited Enrollment: 17 students per section.</i>	04	Kechris	R 10:00 - 10:55	24 BBB	P
			05	Kechris	MWF 10:00 - 10:55	Lecture Hall BAX	P
					R 14:00 - 14:55	151 SLN	
			06	Kechris	MWF 10:00 - 10:55	Lecture Hall BAX	P
					R 14:00 - 14:55	08 TOM	
			07	Kechris	MWF 10:00 - 10:55	Lecture Hall BAX	P
					R 14:00 - 14:55	107 DWN	
			08	Kechris	MWF 10:00 - 10:55	Lecture Hall BAX	P
					R 14:00 - 14:55	119 DWN	
			09	Aschbacher	MWF 10:00 - 10:55	102 STL	P
					R 14:00 - 14:55	159 SLN	
			10	Aschbacher	MWF 10:00 - 10:55	102 STL	P
					R 14:00 - 14:55	153 SLN	
			11	Aschbacher	MWF 10:00 - 10:55	102 STL	P
		R 14:00 - 14:55	257 SLN				
12	Aschbacher	MWF 10:00 - 10:55	102 STL	P			
		R 10:00 - 10:55	153 SLN				
13	Aschbacher	MWF 10:00 - 10:55	102 STL	P			
		R 10:00 - 10:55	257 SLN				
14	Aschbacher	R 10:00 - 10:55	119 DWN	P			
Ma 001D	2-0-3	Series	01	Vessenes	OM,T 12:30 - 13:30	159 SLN	
Ma 002B	4-0-5	Linear Algebra, Statistics, and Differential Equations <i>Sections 1 - 8 Practical Track / Section 9 - 13 Analytical Track. Limited enrollment: 17 students per sections.</i>	01	Flach	MWF 10:00 - 10:55	22 GTS	G
					R 10:00 - 10:55	351 SLN	
			02	Flach	MWF 10:00 - 10:55	22 GTS	G
					R 10:00 - 10:55	11 DWN	
			03	Flach	MWF 10:00 - 10:55	22 GTS	G
		R 10:00 - 10:55	080 MRE				
04	Flach	MWF 10:00 - 10:55	22 GTS	G			
		R 10:00 - 10:55	269 LAU				
05	Flach	MWF 10:00 - 10:55	22 GTS	G			
		R 14:00 - 14:55	123 LAU				

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
<b>MATHEMATICS</b>										
Ma 002B	4-0-5	Linear Algebra, Statistics, and Differential Equations <i>Sections 1 - 8 Practical Track / Section 9 - 13 Analytical Track. Limited enrollment: 17 students per sections.</i>	06	Flach	MWF 10:00 - 10:55 R 14:00 - 14:55	22 GTS 351 SLN	G			
			07	Flach	MWF 10:00 - 10:55 R 14:00 - 14:55	22 GTS 155 ARM	G			
			08	Flach	MWF 10:00 - 10:55 R 14:00 - 14:55	22 GTS 080 MRE	G			
			09	Makarov	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 142 KCK	G			
			10	Makarov	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 119 KRK	G			
			11	Makarov	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 010 TOM	G			
			12	Makarov	MWF 10:00 - 10:55 R 02:00 - 02:55	119 KRK 11 DWN	G			
			13	Makarov	MWF 10:00 - 10:55 R 02:00 - 02:55	119 KRK 151 CRL	G			
			Ma 005B	3-0-6	Introduction to Abstract Algebra	01	Wales	MWF 09:00 - 09:55	151 SLN	
			Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Chan	MTR 13:00 - 13:55	159 SLN	
			Ma 091A	3-0-6	Introduction to the Theory of Schrodinger Operators	01	Denissov	TR 11:00 - 12:25	151 SLN	
			Ma 092B	+	Senior Thesis <i>Units Offered (0-0-9)</i>	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			

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 092B	+	Senior Thesis <i>Units Offered (0-0-9)</i>	11	Schlag	A	A	P
			12	Simon	A	A	P
			13	Wales	A	A	P
			14	Wilson	A	A	P
Ma 098	+	Independent Reading <i>Units Offered (0-0-3) or (0-0-6)</i>	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 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	Killip	MWF 10:00 - 10:55	151 SLN	
Ma 110B	3-0-6	Real and Complex Analysis	01	Grinshpan	MWF 11:00 - 11:55	159 SLN	
Ma/CS 117B	3-0-6	Computability Theory	01	Clemens	TR 11:00 - 12:25	257 SLN	
Ma 120B	3-0-6	Abstract Algebra	01	Vazirani	MWF 09:00 - 09:55	159 SLN	
Ma 121B	3-0-6	Combinatorial Analysis	01	Wilson	MTR 15:00 - 15:55	159 SLN	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 122B	3-0-6	Topics in Group Theory	01	Aschbacher	TR 09:00 - 09:55 F 11:00 - 11:55	257 SLN 257 SLN	
EE/Ma 127A	3-0-6	Error-Correcting Codes	01	McEliece	MWF 09:00 - 09:55	070 MRE	
Ma/ACM 142B	3-0-6	Ordinary and Partial Differential Equations	01	Schlag	TR 11:00 - 12:25	153 SLN	
Ma 147B	3-0-6	Dynamical Systems	01	Makarov	M 15:00 - 16:25 F 14:00 - 15:25	153 SLN 153 SLN	
Ma 151B	3-0-6	Topology and Geometry	01	Maher	MWF 13:00 - 13:55	153 SLN	
Ma 157A	3-0-6	Geometry and Topology of Manifolds	01	Bromberg	MW 10:30 - 23:55	257 SLN	
Ma 157B	3-0-6	Geometry and Topology of Manifolds <i>Cancelled. Please see Ma 157A.</i>	01	Calegari	A	A	
Ma 160B	3-0-6	Number Theory	01	Kilford	TR 12:30 - 13:55	257 SLN	
Ma 162B	3-0-6	Topics in Number Theory	01	Ramakrishnan	MW 14:00 - 15:25	257 SLN	
Ma 191D	3-0-6	Spectral Theory of Schrodinger and Jacobi Operators	01	Simon	MWF 11:00 - 11:55	153 SLN	
Ma 191E	3-0-6	Geometry of Infinite Groups	01	Calegari	TR 15:00 - 16:25	257 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
			06	Flach	A	A	P
			07	Flach	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 290	+	Reading	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
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
			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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 390	+	Research	14	Wales	A	A	P
			15	Wilson	A	A	P
			16	Preskill	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	G
ME 019B	3-0-6	Fluid Mechanics and Gasdynamics	01	Brennen	M 13:00 - 13:55	08 TOM	G
					T 09:00 - 09:55	08 TOM	
					F 13:00 - 13:55	08 TOM	
					R 09:00 - 09:55	08 TOM	
ME 020	3-0-6	Heat Transfer <i>ME 020 and ChE 103B will be taught concurrently.</i>	01	Seinfeld	MWF 09:00 - 09:55	102 SPL	
ME 070	3-0-6	Introduction to the Kinematics of Mechanical Systems	01	Staff	TR 10:00 - 10:55	306 TOM	
ME 073	3-4-2	Machine Component Design <i>Lecture Hours: Tuesdays and Thursdays 2:00 to 2:55 PM. Lab Hours: Thursdays 3:00 PM to 3:55 PM.</i>	01	Staff	TR 14:00 - 14:55	306 TOM	
					R 15:00 - 15:55	306 TOM	
ME 090B	0-0-9	Senior Thesis, Experimental	01	Hunt	A	A	G
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	Colonius	A	A	P
			05	Culick	A	A	P



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MECHANICAL ENGINEERING</b>							
ME 100	+	Advanced Work in Mechanical Engineering	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	Shepherd	MWF 10:00 - 10:55	101 GUG	
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ravichandran	T 13:00 - 14:25	101 GUG	
					MW 15:00 - 15:55	101 GUG	
ME 110	+	Special Laboratory 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
ME 115A	3-0-6	Introduction to Kinematics and Robotics	01	Staff	M 09:30 - 11:00	306 TOM	
					W 09:30 - 11:00	08 TOM	
Ae/ME 120A	3-0-6	Combustion Fundamentals	01	Goodwin	W 12:00 - 13:00	306 TOM	
					F 14:00 - 15:00	306 TOM	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids	01	Ortiz	TR 08:30 - 09:55	306 FIR	
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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MECHANICAL ENGINEERING</b>							
ME 200	+	Advanced Work in Mechanical Engineering	09	Goodwin	A	A	P
			10	Fultz	A	A	P
			11	Pickar	A	A	P
			12	Ravichandran	A	A	P
Ae/AM/ME 209B	1-0-0	Seminar in Solid Mechanics	01	Ravichandran	T 15:00 - 15:55	206 TOM	P
ME/MS 260B	3-0-12	Micromechanics	01	Bhattacharya	WF 08:30 - 09:55	306 TOM	
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
			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
<b>MUSIC</b>							
EE/CS/Mu 017B	+	Projects in Music and Science <i>Permission of Instructor Required. Up to a maximum of 12 units.</i>	01	Boyk	OM,W 11:00 - 12:10	2c WINN	P
Mu 023	3-0-6	Major Figures <i>Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01	Neenan	MW 11:00 - 12:25	19 BAX	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MUSIC</b>							
Mu 028	3-0-6	Harmony I	01	Neenan	MW 14:30 - 16:00	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 02	Bing Gross	A A	A A	P 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
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 02 03	Denning Denning Denning	T 16:30 - 17:30 T 15:00 - 16:00 T 17:30 - 18:30	01 SAC 01 SAC 01 SAC	P P P
PA 036B	0-3-0	Men's Glee Club	01	Caldwell	M 19:30 - 21:30 W 17:00 - 18:00	A A	P
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 - 22:00	22 SAC	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PERFORMANCE AND ACTIVITIES</b>							
PA 062B	0-3-0	Drawing and Painting	01	Barry	T 19:00 - 22:00	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>Limited Enrollment: 15 students</i>	01	Woodward	T 14:00 - 15:55 R 15:00 - 15:55	128 BAX 128 BAX	
Hum/PI 009	3-0-6	Knowledge and Reality <i>Limited Enrollment: 15 students per sections</i>	01	Colyvan	T 09:00 - 10:55 R 09:00 - 09:55	19 BAX 19 BAX	
			02	Murphy	T 14:00 - 15:55 R 15:00 - 15:55	27 GTS 102 SPL	
			03	Murphy	T 19:00 - 21:55	237 BAX	
PI 030	+	Reading In Philosophy	01	Staff	A	A	P
			02	Staff	A	A	P
			03	Staff	A	A	P
			04	Staff	A	A	P
			05	Woodward	A	A	P
SES/PI 121	3-0-6	Foundations of Probability and Inductive Inference	01	Hajek	T 19:15 - 22:10	128 BAX	
SES/PI 169	3-0-6	Selected Topics in Science, Ethics, and Society <i>Philosophy on Decision Theory. Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01	Hajek / Colyvan	W 19:15 - 22:10	128 BAX	
<b>PHYSICAL EDUCATION</b>							
PE 001B	3-0-0	Student Designed Fitness <i>See Instructor's</i>	01	Uribe / D'Auria	A	A	P
PE 002B	3-0-0	Skin Diving <i>Prerequisite for PE 3 SCUBA</i>	01	Dodd	MF 14:00 - 14:55	POOL BAC	P

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICAL EDUCATION</b>							
PE 009B	3-0-0	Soccer	01	Uribe	MW 15:00 - 15:55	NOF BRN	P
PE 010B	3-0-0	Aerobic Dance <i>See schedule in Braun Athletic Center</i>	01	Ruble	A	BAC	P
PE 020B	3-0-0	Fencing, Beginning and Intermediate/Advanced	01	Clovis	TR 19:00 - 20:00	BRW	P
PE 024B	3-0-0	Yoga, Beginning	01	Pal	MW 16:00 - 16:55	BAC	P
			02	Pal	TR 17:00 - 17:55	BAC	P
PE 027B	3-0-0	Ultimate Frisbee <i>Cancelled</i>	01	Boortz / Landesmann	MW 19:30 - 21:00	SOF BAC	P
PE 030B	3-0-0	Golf; Beginning, Intermediate, and Advanced	02	D'Auria	TR 11:00 - 11:55	NOF BAC	P
PE 035B	3-0-0	Diving, Beginning/Intermediate <i>Cancelled</i>	01	Dodd	MW 13:00 - 13:55	POOL BAC	P
PE 036B	3-0-0	Swimming, Beginning/Intermediate and Advanced	01	Dodd	TR 14:00 - 14:55	POOL BAC	P
			02	Dodd	TR 15:00 - 15:55	POOL BAC	P
PE 044B	3-0-0	Karate (Shotokan), Beginning and Intermediate/Advanced	01	McClure	MW 19:00 - 19:55	BAC	P
					S 10:00 - 10:55	BAC	
			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	A	P
PE 050B	3-0-0	Badminton, Beginning/Intermediate	01	Geng	W 13:00 - 14:55	BRW	P
PE 054B	3-0-0	Racquetball, Beginning and Intermediate/Advanced <i>Section 2 Cancelled</i>	01	Levesque	MW 13:00 - 13:55	BAC	P
			02	Levesque	MW 14:00 - 14:55	BAC	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICAL EDUCATION</b>							
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	01	Uribe	MW 12:00 - 12:55	TCT BAC	P
			02	Gamble	TR 12:00 - 12:55	TCT BAC	P
			03	Gamble	MW 13:00 - 13:55	TCT BAC	P
PE 070B	3-0-0	Weight Training, Beginning/Intermediate	01	Foster	MW 13:00 - 13:55	BAC	P
			02	Foster	TR 13:00 - 13:55	BAC	P
			03	Dow	TR 10:00 - 10:55	BAC	P
			04	Dow	MW 09:30 - 10:25	BAC	P
PE 077B	3-0-0	Volleyball; Beginning, Intermediate, and Advanced	01	D'Auria	MW 14:00 - 14:55	BAC	P
PE 082B	3-0-0	Rock Climbing, Beginning and Intermediate	01	Scalise	OM,T 19:00 - 19:55	BRW	P
PE 083B	3-0-0	Intercollegiate Basketball Team (Women)	01	Foster	MTWRFS 16:00 - 17:55	BAC	P
PE 084B	3-0-0	Table Tennis, Beginning, Intermediate, and Advanced	01	Wang	R 19:00 - 20:55	BRW	P
			02	Wang	M 13:00 - 14:55	BRW	P
			03	Wang	R 21:00 - 22:55	BRW	P
PE 085B	3-0-0	Intercollegiate Track and Field Team	01	Levesque	MTWRFS 16:00 - 17:55	TRK BAC	P
PE 087B	3-0-0	Intercollegiate Swimming Team (Men and Women)	01	Dodd	MTWRFS 16:00 - 17:55	POOL BAC	P
PE 089B	3-0-0	Intercollegiate Fencing Team (Men and Women)	01	Clovis	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 BAC	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICAL EDUCATION</b>							
PE 094B	3-0-0	Intercollegiate Golf Team (Men) <i>Meeting location is off campus</i>	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 BAC	P
PE 096B	3-0-0	Intercollegiate Tennis Team (Women)	01	Gamble	MTWRFS 16:00 - 17:55	NOF BAC	P
<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 22 GTS 22 GTS	P
			02	Politzer	F 15:00 - 15:55 MR 15:00 - 15:55 W 13:00 - 13:55	201 BRG 107 DWN 269 LAU	P
			03	Politzer	F 15:00 - 15:55 MR 09:00 - 09:55 W 11:00 - 11:55	201 BRG 119 DWN 269 LAU	P
			04	Politzer	F 15:00 - 15:55 MR 15:00 - 15:55 W 11:00 - 11:55	201 BRG 27 GTS 27 GTS	P
			05	McKeown	WF 11:00 - 11:55 MR 09:00 - 09:55	201 BRG 123 LAU	P
			06	McKeown	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 119 DWN	P
			07	McKeown	WF 11:00 - 11:55 MR 23:00 - 23:55	201 BRG 107 DWN	P
			08	McKeown	WF 11:00 - 11:55 MR 22:00 - 22:55	201 BRG 269 LAU	P
			09	McKeown	WF 11:00 - 11:55 MR 09:00 - 09:55	201 BRG 107 DWN	P
			10	McKeown	WF 11:00 - 11:55 MR 15:00 - 15:55	201 BRG 123 LAU	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 002B	4-0-5	Statistical Physics, Waves, and Quantum Mechanics	01	Lange	TR 11:00 - 11:55 WF 09:00 - 09:55	201 BRG 11 DWN	G
			02	Lange	TR 11:00 - 11:55 WF 11:00 - 11:55	201 BRG 103 DWN	G
			03	Lange	TR 11:00 - 11:55 WF 11:00 - 11:55	201 BRG 11 DWN	G
			04	Lange	TR 11:00 - 11:55 WF 13:00 - 13:55	201 BRG 123 LAU	G
			05	Lange	TR 11:00 - 11:55 WF 13:00 - 13:55	201 BRG 119 KRK	G
			06	Lange	TR 11:00 - 11:55 WF 15:00 - 15:55	201 BRG 11 DWN	G
			07	Lange	TR 11:00 - 11:55 WF 15:00 - 15:55	201 BRG 123 LAU	G
			Ph 003	0-6-0	Physics Laboratory	01	Rice III / Zmuidzinas
Ph 006	0-9-0	Physics Laboratory	01	Rice III / Zmuidzinas	OM,T 15:00 - 15:55	201 BRG	
Ph 011B	2-0-4	Research Tutorial	01	Tombrello	OM,M 16:00 - 16:55	201 SLN	P
Ph 012B	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Preskill	M 20:00 - 20:55	103 DWN	
					T 19:00 - 19:55	103 DWN	
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 076	0-9-0	Atomic/Laser Physics Laboratory	01	Libbrecht / Black	OM,M 14:00 - 14:55	211 BRG	G



CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 077B	0-9-0	Advanced Physics Laboratory	01	Black / Libbrecht	OM,M 15:00 - 15:55	210 BRG	G
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	WF 13:00 - 14:25	119 DWN	
Ph 106B	3-0-6	Topics in Classical Physics	01	Harrison	TR 10:30 - 11:55	155 ARM	
Ph/EE 118	3-0-6	Low-Noise Electronic Measurement	01	Roukes	MW 13:00 - 14:30	107 DWN	P
Ph 125B	3-0-6	Quantum Mechanics	01	Weinstein	MW 09:30 - 10:55	269 LAU	
Ph 129B	3-0-6	Mathematical Methods of Physics	01	Schwarz	TR 09:00 - 10:25	103 DWN	
Ph 130B	3-0-6	Condensed Matter Physics	01	Cross	MWR 11:00 - 11:55	107 DWN	
Ph 135B	3-0-6	Applications of Quantum Mechanics	01	Kimble	TR 13:00 - 14:25	269 LAU	
Ph 136B	3-0-6	Applications of Classical Physics	01	Thorne	MW 13:00 - 14:25	11 DWN	
Ph 171	+	Reading and Independent Study	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

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	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	Kamionkowski	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	Ooguri	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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 171	+	Reading and Independent Study	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
Ph 172	+	Experimental Research in Physics	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
			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	Ooguri	A	A	P
			25	Peck	A	A	P
			26	Phillips	A	A	P
			27	Pine	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 172	+	Experimental Research in Physics	28	Politzer	A	A	P
			29	Porter	A	A	P
			30	Psaltis	A	A	P
			31	Prince	A	A	P
			32	Prince	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			
Ph 173	+	Research in Theoretical Physics and Physics	01	Adami	A	A	P
			02	Barish	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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 173	+	Research in Theoretical Physics and Physics	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	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	Ooguri	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

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 173	+	Research in Theoretical Physics and Physics	45	Zewail	A	A	P
			46	Zmuidzinas	A	A	P
			47	Blain	A	A	P
			48	Fultz	A	A	P
Ph 195B	3-0-9	Advanced Quantum Mechanics	01	Porter	MW 09:30 - 10:55	103 DWN	
Ph 196B	3-0-9	Advanced Classical Physics	01	Mabuchi / Peck	TR 10:30 - 11:55	107 DWN	
Ph 205B	3-0-6	Relativistic Quantum Mechanics	01	Wise	MW 14:30 - 15:55	269 LAU	P
Ph/APh 223B	3-0-6	Advanced Topics in Condensed Matter Physics	01	Yeh	MW 10:30 - 11:55	123 LAU	
Ph 229B	3-0-6	Advanced Mathematical Methods of Physics	01	Kapustin	MW 13:00 - 14:25	103 DWN	P
Ph 236B	3-0-6	Relativity	01	Ooguri	TF 14:30 - 15:55	269 LAU	P
Ph 242B	2-0-1	Physics Seminar	01	Stone	F 10:30 - 23:55	114 BRG	P
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
			12	Hitlin	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 300	+	Thesis Research	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	Ooguri	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			

**POLITICAL SCIENCE**

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>POLITICAL SCIENCE</b>							
PS 012	3-0-6	Introduction to Political Science	01	Ordeshook	MWF 13:00 - 13:55	Lecture Hall BAX	
PS 101	3-0-6	Selected Topics in Political Science <i>Introduction to Social Science Surveys: Methods and Practices. Course description available at <a href="http://www.hss.caltech.edu/classes.7">www.hss.caltech.edu/classes.7</a> Baxter</i>	01	Alvarez	MW 09:00 - 10:25	127 BAX	
PS/SS 139	3-0-6	Comparative Politics	01	Ordeshook	TR 14:30 - 15:55	25 BAX	
PS 141	3-0-6	A History of Budgetary Politics in the U.S	01	Kiewiet	W 13:00 - 14:25 F 13:30 - 14:55	25 BAX 210 BAX	
H/PS 148A	3-0-6	The Supreme Court in U.S. History <i>Limited Enrollment: 30 students</i>	01	Kousser	T 19:30 - 22:25	210 BAX	G
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences	01	Plott	T 08:30 - 09:55 R 08:30 - 10:55	218 BAX 218 BAX	
<b>SCIENCE, ETHICS, AND SOCIETY</b>							
Hum/H/SES 010A	3-0-6	Introduction to the History of Science <i>Limited Enrollment: 15 students</i>	01	Feingold	R 19:00 - 21:55	315 BAX	
SES102B	2-0-7	Senior Seminar	01	Staff	A	A	
SES103	1-0-0	Public Lecture Series	01	Kormos-Buchwald	A	A	
SES/PI 121	3-0-6	Foundations of Probability and Inductive Inference	01	Hajek	T 19:15 - 22:10	128 BAX	
SES/H 160B	3-0-6	Einstein and His Generation: The History of Modern Physical Sciences	01	Kormos-Buchwald / Kennefick	R 19:00 - 21:55	128 BAX	
SES/H 167	3-0-6	Experimenting with History/Historic Experiment	01	Buchwald / Collins	T 14:00 - 14:55 R 14:00 - 15:55	33 BAX 33 BAX	



CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2002-03

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>SCIENCE, ETHICS, AND SOCIETY</b>							
SES/PI 169	3-0-6	Selected Topics in Science, Ethics, and Society <i>Philosophy on Decision Theory. Course description available at <a href="http://www.hss.caltech.edu/classes">www.hss.caltech.edu/classes</a></i>	01	Hajek / Colyvan	W 19:15 - 22:10	128 BAX	
<b>SOCIAL SCIENCE</b>							
SS 098	+	Reading in Social Science	01	Staff	A	A	P
Ec/SS 130	3-0-6	Economic History of Europe from the Middle Ages to the Industrial Revolution	01	Hoffman	TR 10:00 - 11:25	125 BAX	
PS/SS 139	3-0-6	Comparative Politics	01	Ordeshook	TR 14:30 - 15:55	25 BAX	
H/SS 154A	3-0-6	Race Relations in History and Social Science <i>Limited Enrollment: 30 students</i>	01	Kousser	W 19:30 - 22:25	210 BAX	
SS 201B	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science Graduate students only</i>	01	Palfrey	MW 09:00 - 10:25	315 BAX	G
SS 202B	3-0-6	Political Theory	01	Katz	MW 10:30 - 23:55	25 BAX	G
SS 205B	3-0-6	Foundations of Economics	01	Jackson	TR 08:30 - 21:55	125 BAX	
SS 210B	3-0-6	Foundations of Political Economy	01	Jackson	TR 13:00 - 14:25	25 BAX	
SS 211B	3-0-6	Advanced Economic Theory	01	Ledyard	TR 10:30 - 11:55	25 BAX	
SS 212B	3-0-6	Application of Microeconomic Theory	01	Palfrey	M 13:00 - 15:55	315 BAX	G
SS 213B	3-0-6	Financial Economics	01	Zame	W 19:00 - 21:55	210 BAX	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2002-03**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>SOCIAL SCIENCE</b>							
SS 222B	3-0-6	Econometrics	01	Grether	TR 10:30 - 11:55	315 BAX	G
SS 223B	3-0-6	Advanced Topics in Econometric Theory	01	Sherman	TR 09:00 - 10:25	25 BAX	
SS 229B	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Davis	MW 13:00 - 14:25	19 BAX	
SS 231B	3-0-6	American Politics	01	Alvarez	T 09:00 - 12:00	128 BAX	
SS 232B	3-0-6	Historical and Comparative Perspectives in Political Analysis	01	Katz	M 13:00 - 15:55	25 BAX	
SS 240	3-0-6	Techniques of Policy Research	01	Dubin	MW 08:30 - 09:55	128 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
			08	Ordeshook	A	A	P