

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

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

**TIMES/LOCATION/UNITS**

A = Hours/Location to be Arranged

+ = Units to be Arranged

OM = Organizational Meeting

**GRADING SCHEME**

G = Grades Only

P = Pass/Fail Only

Blank = Grades/may exercise P/F

**DAYS OF THE WEEK**

M = Monday

T = Tuesday

W = Wednesday

R = Thursday

F = Friday

S = Saturday

U = Sunday

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>AEROSPACE</b>							
Ae 100	+	Research in Aerospace	01	Gharib, M	A	A	P
			02	McKeon, B	A	A	P
			03	Dabiri, J	A	A	P
			04	Pellegrino, S	A	A	P
			05	Blanquart, G	A	A	P
			06	Shepherd, J	A	A	P
			07	Meiron, D	A	A	P
			08	Meiron, D	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Shepherd, J	MWF 10:00 - 10:55	101 GUG	
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	101 GUG	
Ae/APh 104B	0-6-3	Experimental Methods	01	Ravichandran, G	TR 10:30 - 11:55	202 GUG	G
Ae 105B	3-0-6	Aerospace Engineering	01	Scharf, D / Davis, G	TR 16:00 - 17:25	306 FIR	
CE/Ae/AM 108B	3-0-6	Computational Mechanics	01	Kochmann, D	TR 14:30 - 15:55	101 GUG	
Ae/ME 120A	3-0-6	Combustion Fundamentals	01	Blanquart, G	MWF 14:00 - 14:55	102 STL	
Ae 121B	3-0-6	Space Propulsion	01	Polk, J	TR 13:00 - 14:25	202 GUG	
Ae 150B	1-0-0	Aerospace Engineering Seminar	01	Meiron, D	M 13:00 - 13:55	101 GUG	P
EE/Ae 157B	3-0-6	Introduction to the Physics of Remote Sensing	01	van Zyl, J	M 16:00 - 17:25 W 14:00 - 15:25	107 ANB 106 ANB	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids <i>class cancelled</i>	01	Ortiz, M	TR 10:30 - 11:55	202 GUG	G

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>AEROSPACE</b>							
Ae 200	+	Advanced Research in Aerospace	01	Schneider, T	A	A	P
			02	Dabiri, J	A	A	P
			03	Colonus, T	A	A	P
			04	Dimotakis, P	A	A	P
			05	Gharib, M	A	A	P
			06	Hornung, H	A	A	P
			07	Bhattacharya, K	A	A	P
			08	Leonard, A	A	A	P
			09	Murray, R	A	A	P
			10	Ortiz, M	A	A	P
			11	Pullin, D	A	A	P
			12	Ravichandran, G	A	A	P
			13	Rosakis, A	A	A	P
			14	McKeon, B	A	A	P
			15	Pellegrino, S	A	A	P
			16	Shepherd, J	A	A	P
			17	Blake, G	A	A	P
			18	Lapusta, N	A	A	P
			19	Troian, S	A	A	P
			20	Daraio, C	A	A	P
			21	Blanquart, G	A	A	P
			22	Kochmann, D	A	A	P
			23	Greer, J	A	A	P
			24	Gurnis, M	A	A	P
			25	Minnich, A	A	A	P
			26	Johnson, J	A	A	P
			27	Austin, J	A	A	P
			28	Kulkarni, S	A	A	P
Ae 205A	2-4-3	Advanced Space Project	01	Pellegrino, S	M 16:00 - 17:25 R 16:00 - 17:25	200 KAR 306 FIR	
Ae 208B	1-0-0	GALCIT Colloquium	01	Kochmann, D / McKeon, B	F 15:00 - 15:55	101 GUG	P

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>AEROSPACE</b>							
Ae/ME 218	3-0-6	Statistical Mechanics	01	Dimotakis, P	TR 10:30 - 11:55	101 GUG	
Ae/AM/ME 223	3-0-6	Plasticity	01	Andrade, J	TR 13:00 - 14:25	211 KSP	G
Ae/AM/ME 225	3-0-6	Special Topics in Solid Mechanics	01	Clifton, R	MWF 10:00 - 10:55	202 GUG	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Leonard, A / Koumoutsakos, P	MWF 09:00 - 09:55	101 GUG	
Ae 240	+	Special Topics in Fluid Mechanics <i>Section 1: Educational Exchange (Pass-Fail only) // Section 2: Planetary Entry (Letter grade only)</i>	01 02	McKeon, B Braun, R	A TR 14:30 - 15:55	A 306 FIR	
MedE/BE/Ae 243	3-0-6	Biological Flows: Transport and Circulatory Systems	01	Pahlevan, N	TR 14:30 - 15:55	106 ANB	G
Ae/CDS/ME 251A	3-0-6	Closed Loop Flow Control	01	Bodony, D	TR 10:30 - 11:55	202 GUG	
ME/Ge/Ae 266A	3-0-6	Dynamic Fracture and Frictional Faulting	01	Lapusta, N	MW 14:00 - 15:25	215 NMD	
<b>ANTHROPOLOGY</b>							
An 022	3-0-6	Introduction to Sociocultural Anthropology <i>Maximum enrollment: 30 students</i>	01	Ensminger, J	TR 14:30 - 15:55	25 BAX	
An 097	+	Undergraduate Research	01	Staff	A	A	P
An/PS 127	3-0-6	Corruption <i>Maximum enrollment: 15 students</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
<b>APPLIED &amp; COMPUTATIONAL MATH</b>							
ACM095B	4-0-8	Introductory Methods of Applied Mathematics <i>Note: recitation times still to be determined</i>	01	Meiron, D	MWF 11:00 - 11:55 W 16:00 - 16:55	119 KRK 243 ANB	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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 <i>Note: recitation times still to be determined</i>	02	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					M 14:00 - 14:55	106 ANB	
			03	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					T 16:30 - 17:25	331 SFL	
			04	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					M 15:00 - 15:55	142 KCK	
			05	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					T 11:00 - 11:55	119 DWN	
			06	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					W 16:00 - 16:55	107 DWN	
ACM100B	4-0-8	Introductory Methods of Applied Mathematics <i>Note: recitation times to be determined</i>	01	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					R 16:00 - 16:55	243 ANB	
			02	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					M 14:00 - 14:25	106 ANB	
			03	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					T 16:30 - 17:25	331 SFL	
			04	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					M 15:00 - 15:55	142 KCK	
			05	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					T 11:00 - 23:55	119 DWN	
ACM100B	4-0-8	Introductory Methods of Applied Mathematics <i>Note: recitation times to be determined</i>	06	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					W 16:00 - 16:55	107 DWN	
			07	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					W 19:00 - 19:55	142 KCK	
ACM100B	4-0-8	Introductory Methods of Applied Mathematics <i>Note: recitation times to be determined</i>	08	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					R 14:00 - 14:55	243 ANB	

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 <i>Note: recitation times to be determined</i>	09	Meiron, D	MWF 11:00 - 11:55	119 KRK	
					W 14:00 - 14:55	119 DWN	
			10	Meiron, D	MWF 11:00 - 11:55	119 KRK	
ACM101B	4-0-8	Methods of Applied Mathematics I	01	Bruno, O	TR 14:00 - 15:55	213 ANB	
ACM106A	3-0-9	Introductory Methods of Computational Mathematics	01	Li, Q	MW 14:30 - 15:55	213 ANB	
Ma/ACM 144A	3-0-6	Probability	01	Rains, E	MWF 13:00 - 13:55	103 DWN	
ACM190	+	Reading and Independent Study	01	Bruno, O	A	A	P
			02	Meiron, D	A	A	P
			04	Hassibi, B	A	A	P
ACM204	3-0-6	Topics in Convexity	01	Tropp, J	TR 10:30 - 11:55	213 ANB	
ACM210A	3-0-6	Numerical Methods for PDEs	01	Hou, Y	MW 13:00 - 14:25	314 ANB	
ACM216	3-0-6	Markov Chains, Discrete Stochastic Processes and Applications	01	Owhadi, H	TR 09:00 - 10:25	105 ANB	
ACM/CS/EE/CMS 218	3-0-6	Statistical Inference	01	Chandrasekaran, V	MWF 10:30 - 11:55	213 ANB	
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Leonard, A / Koumoutsakos, P	MWF 09:00 - 09:55	101 GUG	
ACM300	+	Research in Applied and Computational Mathematics	01	Bruno, O	A	A	P
			02	Chandrasekaran, V	A	A	P
			03	Desbrun, M	A	A	P
			04	Hou, Y	A	A	P
			05	Tropp, J	A	A	P
			06	Meiron, D	A	A	P
			07	Pierce, N	A	A	P
			08	Owhadi, H	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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>							
ACM300	+	Research in Applied and Computational Mathematics	09	Schroeder, P	A	A	P
			10	Hassibi, B	A	A	P
			11	Beck, J	A	A	P
			12	Ho, T	A	A	P
<b>APPLIED MECHANICS</b>							
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	101 GUG	
CE/Ae/AM 108B	3-0-6	Computational Mechanics	01	Kochmann, D	TR 14:30 - 15:55	101 GUG	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Andrade, J	R 11:00 - 11:55	102 STL	P
AM/CE 151B	3-0-6	Dynamics and Vibrations	01	Asimaki, D	MWF 10:00 - 10:55	211 KSP	G
Ae/AM/ME 223	3-0-6	Plasticity	01	Andrade, J	TR 13:00 - 14:25	211 KSP	G
Ae/AM/ME 225	3-0-6	Special Topics in Solid Mechanics	01	Clifton, R	MWF 10:00 - 10:55	202 GUG	
AM 250	+	Research in Applied Mechanics	01	Beck, J	A	A	P
			02	Bhattacharya, K	A	A	P
			04	Andrade, J	A	A	P
			05	Avouac, J	A	A	P
			08	Murray, R	A	A	P
			09	Ortiz, M	A	A	P
			10	Phillips, R	A	A	P
			11	Ravichandran, G	A	A	P
<b>APPLIED PHYSICS</b>							
APh023	2-0-4	Demonstration Lectures in Optics	01	Faraon, A	F 13:00 - 14:55	080 MRE	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED PHYSICS</b>							
APh077B	0-9-0	Laboratory in Applied Physics	01	Bellan, P	OM,T 16:00 - 16:55 MW 16:00 - 16:55	265 WAT 265 WAT	G
APh078B	+	Senior Thesis, Experimental	01	Faraon, A	A	A	P
			02	Scherer, A	A	A	P
			03	Phillips, R	A	A	P
			04	Painter, O	A	A	P
			05	Vahala, K	A	A	P
			06	Atwater, H	A	A	P
			07	Bellan, P	A	A	P
			08	Troian, S	A	A	P
			09	Yung, Y	A	A	P
			10	Schwab, K	A	A	P
APh079B	+	Senior Thesis, Theoretical	01	Goddard, W	A	A	P
APh100	+	Advanced Work in Applied Physics	01	Atwater, H	A	A	P
			02	Faraon, A	A	A	P
			03	Painter, O	A	A	P
			04	Scherer, A	A	A	P
			05	Troian, S	A	A	P
			07	Roukes, M	A	A	P
			08	Yang, C	A	A	P
			09	Bellan, P	A	A	P
			10	Phillips, R	A	A	P
			11	Choo, H	A	A	P
			12	Minnich, A	A	A	P
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Shepherd, J	MWF 10:00 - 10:55	101 GUG	
Ae/APh 104B	0-6-3	Experimental Methods	01	Ravichandran, G	TR 10:30 - 11:55	202 GUG	G
APh/MS 105B	3-0-6	States of Matter	01	Johnson, W	MW 13:00 - 14:25	104 WAT	G



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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>APPLIED PHYSICS</b>							
APh109	0-6-3	Introduction to the Micro/Nanofabrication Lab	01	Troian, S / Ghaffari, A	W 17:00 - 17:55	104 WAT	
APh110	2-0-0	Topics in Applied Physics	01	Bellan, P	M 12:00 - 12:55	104 WAT	P
APh114B	3-0-6	Solid-State Physics	01	Schwab, K	MWF 09:00 - 09:55	104 WAT	
APh/Ph 115	3-0-9	Physics of Momentum Transport in Hydrodynamic Systems <i>Make-up classes/movies Fridays 104 Watson 1-2:25pm</i>	01	Troian, S	TR 13:00 - 14:25	104 WAT	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	
MS/APh 120	3-0-6	Diffraction and Structure <i>updated time</i>	01	Fultz, B	TR 10:30 - 11:55	3 BBB	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i>	01	Fultz, B / Garland, C	OM,T 13:00 - 13:55	042 KCK	
EE/APh 131	3-0-6	Light Interaction with Atomic Systems - Lasers	01	Yariv, A	TR 09:00 - 10:25	104 WAT	
APh150	0-0-0	Topics in Applied Physics: Introduction to Quantum Devices	01	Painter, O	TR 14:30 - 15:55	104 WAT	
APh156B	3-0-6	Plasma Physics	01	Bellan, P	MW 14:30 - 15:55	104 WAT	
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Makeup classes Friday 1:00-2:25pm</i>	01	Phillips, R	MW 13:00 - 14:25	100 - Rock Auditorium BRD	
APh190B	3-0-6	Quantum Electronics	01	Painter, O	TR 10:30 - 11:55	104 WAT	
APh200	+	Applied Physics Research	01	Atwater, H	A	A	P
			02	Fultz, B	A	A	P
			03	Bellan, P	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	04	Chen, Y	A	A	P
			05	Johnson, W	A	A	P
			06	Schwab, K	A	A	P
			07	Goddard, W	A	A	P
			08	Lewis, N	A	A	P
			09	Troian, S	A	A	P
			10	Preskill, J	A	A	P
			11	Refael, G	A	A	P
			12	Faraon, A	A	A	P
			13	Lewis, N	A	A	P
			14	Alicea, J	A	A	P
			15	Hsieh, D	A	A	P
			16	Minnich, A	A	A	P
			17	Yang, C	A	A	P
			18	Gharib, M	A	A	P
			19	Painter, O	A	A	P
			20	Phillips, R	A	A	P
			23	Roukes, M	A	A	P
			25	Scherer, A	A	A	P
			30	Vahala, K	A	A	P
31	Yariv, A	A	A	P			
39	Motrunich, O	A	A	P			
Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	TR 13:00 - 14:25	269 LAU	
APh300	+	Thesis Research in Applied Physics	01	Faraon, A	A	A	P
			02	Bellan, P	A	A	P
			03	Flagan, R	A	A	P
			04	Snyder, G	A	A	P
			05	Snyder, G	A	A	P
			06	Troian, S	A	A	P
			07	Fultz, B	A	A	P
			08	Schwab, K	A	A	P

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	09	Desbrun, M	A	A	P
			10	Hsieh, D	A	A	P
			15	Phillips, R	A	A	P
			16	Daraio, C	A	A	P
			18	Roukes, M	A	A	P
			20	Scherer, A	A	A	P
			21	Chen, Y	A	A	P
			24	Vahala, K	A	A	P
			25	Yariv, A	A	A	P
			28	Painter, O	A	A	P
			29	Zmuidzinas, J	A	A	P
			30	Atwater, H	A	A	P
			31	Faraon, A	A	A	P
			<b>ART HISTORY</b>				
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	W 19:00 - 21:55	125 BAX	G
<b>ASTROPHYSICS</b>							
FS/Ay 003	2-0-4	Freshman Seminar: Automating Discovering the Universe <i>Limited enrollment</i>	01	Kulkarni, S	MW 15:00 - 15:55	219 CHL	P
Ay 021	3-0-6	Galaxies and Cosmology	01	Djorgovski, S	WF 13:00 - 13:55	211 CHL	
Ay 030	2-0-1	Introduction to Modern Research <i>Classes will be held in Faculty homes.</i>	01	Cohen, J	W 19:00 - 20:55	A	P
Ay 043	+	Reading in Astronomy and Astrophysics	01	Staff	A	A	P
Ay 078B	+	Senior Thesis	01	Readhead, A	A	A	P
			02	Ellis, R	A	A	P
			03	Hillenbrand, L	A	A	P
			04	Steidel, C	A	A	P

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ASTROPHYSICS</b>							
Ay 078B	+	Senior Thesis	05	Cohen, J	A	A	P
			06	Phinney, E	A	A	P
			07	Ott, C	A	A	P
			08	Martin, C	A	A	P
			09	Prince, T	A	A	P
			10	Harrison, F	A	A	P
			11	Hallinan, G	A	A	P
			12	Scoville, N	A	A	P
			13	Hopkins, P	A	A	P
Ay 101	3-2-6	Physics of Stars	01	Ott, C	TR 14:30 - 15:55 F 15:00 - 16:55	219 CHL 312 CHL	
Ay 105	0-6-4	Optical Astronomy Instrumentation Lab	01	Hallinan, G / Martin, C	MT 16:00 - 18:55	219 CHL	
Ay 111B	3-0-0	Introduction to Current Astrophysics Research	01	Hallinan, G / Steidel, C	W 13:00 - 13:55	219 CHL	
Ge/Ay 117	3-0-6	Statistics and Data Analysis	01	Knutson, H	MWF 11:00 - 11:55	176 SMD	
Ay 123	3-0-6	Structure and Evolution of Stars	01	Ellis, R	TR 10:30 - 11:55	219 CHL	
Ay 126	3-0-6	Interstellar and Intergalactic Medium	01	Steidel, C	MW 10:30 - 11:55	219 CHL	
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 14:00 - 14:55	162 SMD	
Ay 141B	1-0-2	Research Conference in Astronomy	01	Hillenbrand, L / Phinney, E	F 16:00 - 16:55	370 CHL	P
Ay 142	+	Research in Astronomy and Astrophysics	01	Ott, C	A	A	P
			02	Blake, G	A	A	P
			03	Harrison, F	A	A	P
			04	Brown, M	A	A	P
			05	Phinney, E	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ASTROPHYSICS</b>							
Ay 142	+	Research in Astronomy and Astrophysics	06	Djorgovski, S	A	A	P
			07	Ellis, R	A	A	P
			09	Hillenbrand, L	A	A	P
			11	Kulkarni, S	A	A	P
			12	Hallinan, G	A	A	P
			13	Martin, C	A	A	P
			15	Soifer, B	A	A	P
			16	Prince, T	A	A	P
			17	Hopkins, P	A	A	P
			19	Sargent, A	A	A	P
			20	Dore, O	A	A	P
			22	Scoville, N	A	A	P
			23	Steidel, C	A	A	P
			24	Johnson, J	A	A	P
25	Hirata, C	A	A	P			
27	Stevenson, D	A	A	P			
28	Cohen, J	A	A	P			
29	Knutson, H	A	A	P			
Ay 143	+	Reading and Independent Study	01	Sargent, A	A	A	P
			02	Kulkarni, S	A	A	P
			03	Readhead, A	A	A	P
			04	Hopkins, P	A	A	P
			05	Ott, C	A	A	P
Ge/Ay 159	3-0-6	Planetary Evolution and Habitability	01	Yung, Y	MWF 15:00 - 15:55	176 SMD	
Ay 219	3-0-6	Elements in the Universe and Galactic Chemical Evolution	01	Kirby, E	T 13:00 - 14:55	211 CHL	P
<b>BIOCHEMISTRY &amp; MOLECULAR BIOPHYSICS</b>							
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Clemons, W / Jensen, G	TR 10:30 - 11:55	100 - Rock Auditorium BRD	G

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	A	A	P
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology	01	Hay, B	A	A	P
BMB299	+	Graduate Research	01	Mayo, S	A	A	P
			02	Deshaies, R	A	A	P
			03	Fraser, S	A	A	P
			04	Bjorkman, P	A	A	P
			05	Arnold, F	A	A	P
			06	Rees, D	A	A	P
			07	Greer, J	A	A	P
			08	Campbell, J	A	A	P
			09	Phillips, R	A	A	P
			10	Hay, B	A	A	P
			11	Hsieh-Wilson, L	A	A	P
			12	Phillips, R	A	A	P
			13	Parker, C	A	A	P
			14	Barton, J	A	A	P
			15	Heath, J	A	A	P
			16	Davidson, E	A	A	P
			17	Anderson, D	A	A	P
			18	Dougherty, D	A	A	P
			19	Mazmanian, S	A	A	P
			20	Shan, S	A	A	P
			21	Jensen, G	A	A	P
			22	Elowitz, M	A	A	P
			23	Dervan, P	A	A	P
			24	Dunphy, W	A	A	P
			25	Tirrell, D	A	A	P
			26	Patterson, P	A	A	P
			27	Meyerowitz, E	A	A	P
			28	Rothenberg, E	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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>							
BMB299	+	Graduate Research	29	Clemons, W	A	A	P
			30	Leadbetter, J	A	A	P
			31	Kennedy, M	A	A	P
			32	Lester, H	A	A	P
			33	Murray, R	A	A	P
			34	Mazmanian, S	A	A	P
			35	Baltimore, D	A	A	P
			36	Wang, Z	A	A	P
			37	Gharib, M	A	A	P
			38	Miller, T	A	A	P
			39	Sternberg, P	A	A	P
			40	Davis, M	A	A	P
			41	Pierce, N	A	A	P
			42	Gray, H	A	A	P
			43	Roukes, M	A	A	P
			44	Newman, D	A	A	P
			45	Cai, L	A	A	P
			46	Varshavsky, A	A	A	P
			47	Hoelz, A	A	A	P
			48	Goentoro, L	A	A	P
49	Guttman, M	A	A	P			
50	Shapiro, M	A	A	P			
51	Ismagilov, R	A	A	P			
52	Meister, M	A	A	P			
<b>BIOENGINEERING</b>							
BE 001	1-0-0	Frontiers in Bioengineering	01	Yang, C	M 12:00 - 12:55	119 KRK	P
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	01	Arnold, F	A	A	P
			02	Davidson, E	A	A	P
			03	Burdick, J	A	A	P
			04	Kennedy, M	A	A	P
			05	Beauchamp, J	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOENGINEERING</b>							
BE 098	+	Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i>	06	Shimojo, S	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Lester, H	A	A	P
			10	Phillips, R	A	A	P
			11	Dervan, P	A	A	P
			12	Pierce, N	A	A	P
			13	Gradinaru, V	A	A	P
			14	Heath, J	A	A	P
			15	Guttman, M	A	A	P
			16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Shan, S	A	A	P
			22	Adolphs, R	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			26	Leadbetter, J	A	A	P
27	Winfrey, E	A	A	P			
30	Kornfield, J	A	A	P			
31	Baltimore, D	A	A	P			
32	Davis, M	A	A	P			
33	Sternberg, P	A	A	P			
34	Dabiri, J	A	A	P			
36	Qian, L	A	A	P			
37	Shapiro, M	A	A	P			
BE/Bi 101	3-0-3	Order of Magnitude Biology	01	Bois, J / Phillips, R	F 14:00 - 15:55	100 - Rock Auditorium BRD	
ChE/BE 112	3-0-6	Design, Invention, and Fundamentals of Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	102 SPL	



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOENGINEERING</b>							
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	024 KRK	G
BE 159	3-0-6	Signal Transduction and Biomechanics in Eukaryotic Cell Morphogenesis	01	Bois, J	TR 14:30 - 15:55	200 BRD	
BE/APh 161	3-0-9	Physical Biology of the Cell <i>Makeup classes Friday 1:00-2:25pm</i>	01	Phillips, R	MW 13:00 - 14:25	100 - Rock Auditorium BRD	
BE 168	+	Reading the Bioengineering Literature <i>Enrollment limited to 10 students; undergraduates with instructor's permission; class meets Thursdays 6-7pm in 300 Broad</i>	01	Winfree, E	A	A	P
Bi/BE 177	3-0-6	Principles of Modern Microscopy	01	Collazo, A	TR 10:30 - 11:55	200 BRD	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	105 ANB	G
BE 200	+	Research in Bioengineering	01	Arnold, F	A	A	P
			02	Troian, S	A	A	P
			03	Burdick, J	A	A	P
			04	Dabiri, J	A	A	P
			05	Dervan, P	A	A	P
			06	Goentoro, L	A	A	P
			07	Gharib, M	A	A	P
			08	Hajimiri, S	A	A	P
			09	Heath, J	A	A	P
			10	Lester, H	A	A	P
			11	Guttman, M	A	A	P
			12	Pierce, N	A	A	P
			13	Meister, M	A	A	P
			14	Goddard, W	A	A	P
			15	Ismagilov, R	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOENGINEERING</b>							
BE 200	+	Research in Bioengineering	16	Roukes, M	A	A	P
			17	Scherer, A	A	A	P
			18	Tai, Y	A	A	P
			19	Tirrell, D	A	A	P
			20	Yang, C	A	A	P
			21	Shapiro, B	A	A	P
			23	Elowitz, M	A	A	P
			24	Murray, R	A	A	P
			26	Leadbetter, J	A	A	P
			27	Winfrey, E	A	A	P
			28	Shapiro, M	A	A	P
			29	Phillips, R	A	A	P
			30	Mayo, S	A	A	P
			31	Sternberg, P	A	A	P
			32	Gradinaru, V	A	A	P
			33	Andersen, R	A	A	P
			34	Qian, L	A	A	P
35	Kornfield, J	A	A	P			
36	Fraser, S	A	A	P			
37	Cai, L	A	A	P			
MedE/BE/Ae 243	3-0-6	Biological Flows: Transport and Circulatory Systems	01	Pahlevan, N	TR 14:30 - 15:55	106 ANB	G
<b>BIOLOGY</b>							
Bi 008	4-0-5	Introduction to Molecular Biology: Organization and Expression of Genetic Information <i>Maximum enrollment: 30 students per section</i>	01	Rothenberg, E	TR 13:00 - 14:25	119 KRK	
					W 15:00 - 15:55	101 KRK	
			02	Rothenberg, E	TR 13:00 - 14:25	119 KRK	
					R 19:00 - 19:55	101 KRK	
			03	Rothenberg, E	TR 13:00 - 14:25	119 KRK	
					F 14:00 - 14:55	024 KRK	
Bi 022	+	Undergraduate Research	01	Chan, D	A	A	P
			02	Quartz, S	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	03	Allman, J	A	A	P
			04	Anderson, D	A	A	P
			05	Parker, C	A	A	P
			06	Arnold, F	A	A	P
			07	Baltimore, D	A	A	P
			08	Sternberg, P	A	A	P
			09	Lester, H	A	A	P
			10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Leadbetter, J	A	A	P
			13	Adolphs, R	A	A	P
			14	Davidson, E	A	A	P
			15	Rothenberg, E	A	A	P
			16	Hay, B	A	A	P
			17	Fraser, S	A	A	P
			18	Shan, S	A	A	P
			19	Campbell, J	A	A	P
			20	Clemons, W	A	A	P
			21	Stevenson, D	A	A	P
			22	Orphan, V	A	A	P
			23	Varshavsky, A	A	A	P
			24	Meyerowitz, E	A	A	P
			25	Patterson, P	A	A	P
			26	Winfrey, E	A	A	P
			27	Mazmanian, S	A	A	P
			28	Tirrell, D	A	A	P
			29	Shimojo, S	A	A	P
			30	Wold, B	A	A	P
			31	Sternberg, P	A	A	P
			32	Kennedy, M	A	A	P
			33	Newman, D	A	A	P
			34	Hsiao, E	A	A	P
			35	Gradinaru, V	A	A	P

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	40	Goddard, W	A	A	P
			41	Stathopoulos, A	A	A	P
			42	Zinn, K	A	A	P
			43	Rangel, A	A	A	P
			45	Davis, M	A	A	P
			46	Murray, R	A	A	P
			47	Jensen, G	A	A	P
			48	Elowitz, M	A	A	P
			49	Prober, D	A	A	P
			50	Bronner Hansen, M	A	A	P
			51	Aravin, A	A	A	P
			52	Aravin, A	A	A	P
			53	Clemons, W	A	A	P
			54	Mazmanian, S	A	A	P
			55	Newman, D	A	A	P
			56	Shan, S	A	A	P
			57	Guttman, M	A	A	P
Bi 023	1-0-2	Biology Tutorials <i>1:The Function &amp; Regulation of Sleep/2:Microbial Ecology/3:Sensing Voltage with Membrane Proteins/4:Personalized Medicine/5:Learning How to Analyze Protein Structure/6:Mass Spectrometry-based Proteomics/7:Controversies in Neuroscience/8:Molecular Evolution &amp; Phylogenetics/9:Epidemic</i>	01	Huang, A / Chen, A	W 16:00 - 17:25	24 BBB	P
			02	Huang, A / Checinska, A	A	A	P
			03	Huang, A / Lacroix, J	W 16:00 - 16:55	102 SPL	P
			04	Huang, A / Joglekar, A	T 18:30 - 19:25	370 BRN	P
			05	Huang, A / Stadtmueller, B	M 16:00 - 16:55	200 BRD	P
			06	Huang, A	R 14:30 - 15:25	331 SFL	P
			07	Huang, A / Stiles, N	W 16:00 - 16:55	239 MRE	P
			08	Huang, A	R 16:00 - 16:55	101 KRK	P
			09	Huang, A	R 09:00 - 09:55	024 KRK	P
Bi 090B	+	Undergraduate Thesis	01	Doyle, J	A	A	P
			02	Bjorkman, P	A	A	P
			03	Sternberg, P	A	A	P
			04	Lester, H	A	A	P
			05	Newman, D	A	A	P
			06	Anderson, D	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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	07	Winfree, E	A	A	P
			08	Bjorkman, P	A	A	P
			09	Allman, J	A	A	P
			10	Patterson, P	A	A	P
			11	Rangel, A	A	A	P
			12	Davidson, E	A	A	P
			13	Davis, M	A	A	P
			14	Baltimore, D	A	A	P
			15	Rothenberg, E	A	A	P
			16	Hassibi, B	A	A	P
BE/Bi 101	3-0-3	Order of Magnitude Biology	01	Bois, J / Phillips, R	F 14:00 - 15:55	100 - Rock Auditorium BRD	
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression	01	Campbell, J / Parker, C	TR 11:00 - 11:55	147 NYS	
Bi 114	3-0-6	Immunology	01	Mazmanian, S / Bjorkman, P	MW 13:30 - 14:55	200 BRD	
Bi 117	3-0-6	Developmental Biology	01	Bronner Hansen, M	TR 13:00 - 14:25	100 - Rock Auditorium BRD	
Bi 129	3-0-6	Biology of Cancer	01	Zinn, K	MWF 10:00 - 10:55	100 - Rock Auditorium BRD	
Bi 145B	3-0-6	Tissue and Organ Physiology <i>class will meet in 24 BBB on 2/25/15</i>	01	Tydell, C	MW 10:30 - 11:55	151 BRN	
Bi/CNS/NB 153	3-0-6	Brain Circuits	01	Meister, M	WF 10:30 - 11:55	3 BBB	
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	024 KRK	G

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BIOLOGY</b>							
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	3 BBB	
ESE/Bi 168	3-0-6	Microbial Metabolic Diversity	01	Newman, D	MWF 13:00 - 13:55	215 NMD	
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Clemons, W / Jensen, G	TR 10:30 - 11:55	100 - Rock Auditorium BRD	G
Bi/BE 177	3-0-6	Principles of Modern Microscopy	01	Collazo, A	TR 10:30 - 11:55	200 BRD	
Bi 181	3-0-6	Introduction to Computational Biology and Bioinformatics	01	Guttman, M	TR 09:00 - 10:25	119 KRK	
BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	105 ANB	G
Bi 199	3-0-3	Introduction to MATLAB for Biologists	01	Kennedy, M	TR 13:00 - 14:25	100 PWL/BTH	
Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	300 BRD	
CNS/Bi/NB 247	2-0-4	Cerebral Cortex <i>class cancelled</i>	01	Andersen, R	A	A	
Bi/BMB 251B	+	Current Research in Cellular and Molecular Biology	01	Hay, B	A	A	P
Bi 299	+	Graduate Research	01	Stathopoulos, A	A	A	P
			02	Lester, H	A	A	P
			03	Allman, J	A	A	P
			04	Andersen, R	A	A	P
			05	Anderson, D	A	A	P
			06	Varshavsky, A	A	A	P
			07	Mazmanian, S	A	A	P
			08	Baltimore, D	A	A	P
			09	Dabiri, J	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	10	Bjorkman, P	A	A	P
			11	Bronner Hansen, M	A	A	P
			12	Campbell, J	A	A	P
			13	Chan, D	A	A	P
			14	Davidson, E	A	A	P
			15	Deshaies, R	A	A	P
			16	Dickinson, M	A	A	P
			17	Clemons, W	A	A	P
			18	Dunphy, W	A	A	P
			19	Fraser, S	A	A	P
			20	Goddard, W	A	A	P
			21	Hay, B	A	A	P
			22	Kennedy, M	A	A	P
			23	Scherer, A	A	A	P
			24	Orphan, V	A	A	P
			25	Arnold, F	A	A	P
			26	Pierce, N	A	A	P
			27	Tsao, D	A	A	P
			28	Mayo, S	A	A	P
			29	Meyerowitz, E	A	A	P
			30	Newman, D	A	A	P
			31	Guo, C	A	A	P
			32	Patterson, P	A	A	P
			33	Gharib, M	A	A	P
			34	Kirschvink, J	A	A	P
			35	Hsieh-Wilson, L	A	A	P
			36	Shan, S	A	A	P
			37	Rothenberg, E	A	A	P
			38	Elowitz, M	A	A	P
			39	Guttman, M	A	A	P
			40	Shimojo, S	A	A	P
			41	Phillips, R	A	A	P
			42	Sternberg, P	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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	43	Cai, L	A	A	P
			44	Goentoro, L	A	A	P
			45	Winfree, E	A	A	P
			46	Wold, B	A	A	P
			47	Jensen, G	A	A	P
			48	Heath, J	A	A	P
			49	Zinn, K	A	A	P
			50	Leadbetter, J	A	A	P
			51	Elowitz, M	A	A	P
			52	Prober, D	A	A	P
			53	Adolphs, R	A	A	P
			54	Aravin, A	A	A	P
			55	Dougherty, D	A	A	P
			56	Tai, Y	A	A	P
			57	Fejes Toth, K	A	A	P
			58	Burdick, J	A	A	P
			59	Meister, M	A	A	P
			60	Siapas, A	A	A	P
			61	Murray, R	A	A	P
			62	Gradinaru, V	A	A	P
63	Qian, L	A	A	P			
64	Oka, Y	A	A	P			
65	Hsiao, E	A	A	P			
66	Shapiro, M	A	A	P			
<b>BUSINESS, ECONOMICS, AND MANAGEMENT</b>							
BEM/Ec/SS 020	2-0-4	Scientific Writing and Oral Presentation in the Social Sciences <i>Maximum enrollment: 10 students</i>	01	Yariv, L / Daley, C	W 14:00 - 15:55	115 DAB	G
BEM097	+	Undergraduate Research	01	Staff	A	A	P
BEM102	3-0-6	Introduction to Accounting <i>Maximum enrollment: 40 students // BEM102</i>	01	Wang, S	M 19:00 - 21:55	25 BAX	



CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>BUSINESS, ECONOMICS, AND MANAGEMENT</b>							
BEM104	3-0-6	Investments <i>Maximum enrollment: 30 students // On Tuesday, Jan 27th and Tuesday, Mar 3rd, the class will meet in Baxter Lecture Hall</i>	01	Gillen, B	T 19:00 - 21:55	25 BAX	
BEM105	3-0-6	Options <i>class will meet in Baxter 125 on 2/4/15</i>	01	Cvitanic, J	MW 14:30 - 15:55	25 BAX	
BEM106	3-0-6	Competitive Strategy <i>Maximum enrollment: 50 students</i>	01	Snowberg, E	MW 13:00 - 14:25	25 BAX	G
BEM110	3-0-6	Venture Capital	01	Ewens, M	TR 09:00 - 10:25	25 BAX	G
BEM190	+	Undergraduate Research Project	01	Gillen, B	A	A	P
			02	Hoffman, P	A	A	P
			03	Sherman, R	A	A	P
			04	Pickar, K	A	A	P
			05	Rosenthal, J	A	A	P
			06	Bossaerts, P	A	A	P
<b>CHEMICAL ENGINEERING</b>							
ChE010	1-0-0	Introduction to Chemical Engineering	01	Brady, J	T 12:00 - 12:55	153 NYS	P
ChE015	3-0-6	Introduction to Chemical Engineering Computation	01	Flagan, R	MWF 10:00 - 10:55	102 SPL	
ChE063A	3-0-6	Chemical Engineering Thermodynamics	01	Tirrell, D	MWF 14:00 - 14:55	106 SPL	
ChE080	+	Undergraduate Research	01	Arnold, F	A	A	P
			02	Giapis, K	A	A	P
			03	Kornfield, J	A	A	P
			04	Haile, S	A	A	P
			05	Fultz, B	A	A	P
			06	Lewis, N	A	A	P
			07	Davis, M	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	08	Grubbs, R	A	A	P
			09	Shapiro, M	A	A	P
			13	Flagan, R	A	A	P
			14	Gavalas, G	A	A	P
			34	Seinfeld, J	A	A	P
			36	Tirrell, D	A	A	P
			41	Baltimore, D	A	A	P
ChE090A	+	Senior Thesis	01	Heath, J	A	A	P
			02	Giapis, K	A	A	P
			03	Seinfeld, J	A	A	P
			04	Tirrell, D	A	A	P
			05	Ravi, V	A	A	P
			06	Flagan, R	A	A	P
			07	Gavalas, G	A	A	P
			08	Kornfield, J	A	A	P
			09	Davis, M	A	A	P
			10	Haile, S	A	A	P
			11	Wang, Z	A	A	P
			12	Baltimore, D	A	A	P
			13	Brady, J	A	A	P
			14	Greer, J	A	A	P
			15	Arnold, F / Cai, L	A	A	P
			16	Grubbs, R	A	A	P
			17	Fu, G	A	A	P
			18	Atwater, H	A	A	P
ChE090B	0-4-5	Senior Thesis	01	Giapis, K	A	A	
			02	Johnson, W	A	A	
			03	Kornfield, J	A	A	
			04	Arnold, F	A	A	
			05	Lewis, N	A	A	
			06	Flagan, R	A	A	
			07				
			08	Mayo, S	A	A	

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMICAL ENGINEERING</b>							
Ch/ChE 091	2-0-1	Scientific Writing	01	Richards, J	T 10:30 - 11:55	121 BCK	P
			02	Richards, J	W 15:00 - 16:25	121 BCK	P
ChE101	3-0-6	Chemical Reaction Engineering	01	Arnold, F	TR 13:00 - 14:25	106 SPL	
ChE103B	3-0-6	Transport Phenomena	01	Shapiro, M	MWF 10:00 - 10:55	106 SPL	
ChE/BE 112	3-0-6	Design, Invention, and Fundamentals of Microfluidic Systems <i>Maximum enrollment: 20 students</i>	01	Ismagilov, R	TR 13:00 - 14:25	102 SPL	
ChE114	3-3-3	Solid State NMR Spectroscopy for Materials Chemistry <i>class cancelled</i>	01	Hwang, S	A	A	
ChE118	3-0-6	Introduction to the Design of Chemical Systems	01	Vicic, M	MWF 15:00 - 15:55	102 SPL	G
ChE128	1-6-2	Chemical Engineering Design Laboratory	01	Vicic, M / Giapis, K	M 12:00 - 12:55	113 SPL	G
					WF 09:00 - 11:55	122 SPL	
Ch/ChE 147	3-0-6	Polymer Chemistry <i>class cancelled</i>	01	Grubbs, R	A	A	
ChE151B	3-0-9	Physical and Chemical Rate Processes	01	Brady, J	MWF 10:00 - 10:55	113 SPL	G
ChE152	3-0-6	Heterogeneous Kinetics and Reaction Engineering	01	Davis, M	MWF 14:00 - 14:55	102 SPL	
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z / Miller, T	TR 10:30 - 11:55	106 SPL	
ChE280	+	Chemical Engineering Research	01	Arnold, F	A	A	P
			02	Murray, R	A	A	P
			03	Haile, S	A	A	P
			04	Stoltz, B	A	A	P
			05	Pierce, N	A	A	P
			06	Troian, S	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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	07	Brady, J	A	A	P
			08	Atwater, H	A	A	P
			09	Snyder, G	A	A	P
			10	Davis, M	A	A	P
			11	Greer, J	A	A	P
			12	Fultz, B	A	A	P
			13	Flagan, R	A	A	P
			14	Fraser, S	A	A	P
			15	Fultz, B	A	A	P
			16	Giapis, K	A	A	P
			17	Goddard, W	A	A	P
			18	Miller, T	A	A	P
			19	Shapiro, M	A	A	P
			21	Kornfield, J	A	A	P
			23	Lewis, N	A	A	P
			36	Tirrell, D	A	A	P
			37	Wang, Z	A	A	P
			40	Seinfeld, J	A	A	P
			41	Heath, J	A	A	P
			44	Yung, Y	A	A	P
45	Richardson, M	A	A	P			
46	Ismagilov, R	A	A	P			
47	Guttman, M	A	A	P			
<b>CHEMISTRY</b>							
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	01	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 151 CRL	P
			02	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 22 GTS	P
			03	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 16:00 - 16:55	Lecture Hall BAX 27 GTS	P
			04	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 147 NYS	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
<b>CHEMISTRY</b>										
Ch 001B	4-0-5	General Chemistry <i>Maximum Enrollment: 25 students per section</i>	05	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 16:00 - 16:55	Lecture Hall BAX 151 CRL	P			
			06	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 19:00 - 19:55	Lecture Hall BAX 153 NYS	P			
			07	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 14:00 - 14:55	Lecture Hall BAX 27 GTS	P			
			08	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 16:00 - 16:55	Lecture Hall BAX 115 BCK	P			
			09	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 16:00 - 16:55	Lecture Hall BAX 119 DWN	P			
			10	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 16:00 - 16:55	Lecture Hall BAX 142 KCK	P			
			11	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 22:00 - 22:55	Lecture Hall BAX 27 GTS	P			
			12	Miller, T / Reisman, S	MTR 11:00 - 11:55 W 19:00 - 19:55	Lecture Hall BAX 151 CRL	P			
			Ch 003A	1-3-2	Fundamental Techniques of Experimental Chemistry <i>Maximum enrollment: 20 students per section//Section 3 reserved for freshmen.</i>	01	Mendez, J	F 13:00 - 13:55 T 08:00 - 10:55	153 NYS 107 MEAD	P
						02	Mendez, J	F 13:00 - 13:55 T 13:00 - 15:55	153 NYS 107 MEAD	P
						03	Mendez, J	F 13:00 - 13:55 T 19:30 - 22:25	153 NYS 107 MEAD	P
			Ch 003X	1-3-2	Experimental Methods in Solar Energy Conversion <i>Maximum Enrollment: 20 students per section</i>	01	Mendez, J	F 09:00 - 09:55 W 13:00 - 15:55	151 CRL 107 MEAD	P
02	Mendez, J	F 09:00 - 09:55 R 08:00 - 10:55				151 CRL 107 MEAD	P			
Ch 004A	1-6-2	Synthesis and Analysis of Organic and Inorganic Compounds <i>The instructor will contact the students by email before the start of the term to assign two lab sections. //Lab sections available Tuesday 8-11 and 1-4, Wednesday 1-4 and Thursday 8-11am.</i>	01	Mendez, J	R 13:00 - 13:55	147 NYS				

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
Ch 005A	1-9-2	Advanced Techniques of Synthesis and Analysis <i>Lab times available MF 8am-5pm and R 1-5pm</i>	01	Grubbs, R	A	MEAD	
Ch 006A	1-6-3	Physical and Biophysical Chemistry Laboratory	01	Weitekamp, D	OM,W 15:00 - 15:55	33 NYS	
Ch 007	1-6-2	Advanced Experimental Methods in Bioorganic Chemistry	01	Hsieh-Wilson, L	M 15:00 - 15:55	356 CRL	
Ch 010B	2-0-1	Frontiers in Chemistry <i>Lab Hours TBA</i>	01	Dervan, P / Hoelz, A	R 12:00 - 12:55	147 NYS	P
Ch 015	0-6-4	Chemical Equilibrium and Analysis Laboratory <i>Instructor will contact student via email to select 2 sections. // Section times will be: Mondays 8-11am; Mondays 1-4pm; Tuesdays 1-4pm; Wednesdays 8-11am; Wednesdays 1-4pm; and Thursdays 1-4pm. 1 hour Lecture in 135 Linde+Robinson to be determined.</i>	01	Dalleska, N	OM,A	135 L+R	
Ch 021B	3-0-6	Physical Chemistry	01	Cai, L	MWF 13:00 - 13:55	147 NYS	G
Ch 024	3-0-6	Introduction to Biophysical Chemistry: Spectroscopy	01	Heath, J	TR 14:30 - 15:55	16 NYS	
Ch 041B	3-0-6	Organic Chemistry	01	Dervan, P	MWF 09:00 - 09:55	153 NYS	
Ch 080	+	Chemical Research	01	Dervan, P	A	A	P
			02	Hsieh-Wilson, L	A	A	P
			03	Barton, J	A	A	P
			04	Beauchamp, J	A	A	P
			05	Grubbs, R	A	A	P
			06	Goddard, W	A	A	P
			07	Marcus, R	A	A	P
			08	Shan, S	A	A	P
			09	Bercaw, J	A	A	P
			10	Heath, J	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	11	Agapie, T	A	A	P
			12	Davis, M	A	A	P
			13	Ho, T	A	A	P
			14	Shapiro, M	A	A	P
			15	Arnold, F	A	A	P
			16	Haile, S	A	A	P
			17	Gray, H	A	A	P
			20	Kornfield, J	A	A	P
			27	Okumura, M	A	A	P
			29	Peters, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	Reisman, S	A	A	P
			38	Weitekamp, D	A	A	P
			39	Lewis, N	A	A	P
			40	Rees, D	A	A	P
41	Hoelz, A	A	A	P			
42	Fu, G	A	A	P			
Ch 081	+	Independent Reading in Chemistry	01	Bercaw, J	A	A	P
			02	Reisman, S	A	A	P
			04	Gray, H	A	A	P
			06	Goddard, W	A	A	P
			22	Lewis, N	A	A	P
Ch 082	+	Senior Thesis Research	01	Rees, D	A	A	P
Ch 090	2-0-1	Oral Presentation	01	Zewail, A / Bikle, K	OM,M 10:00 - 10:55 M 10:00 - 11:55	151 CRL 151 CRL	P
Ch/ChE 091	2-0-1	Scientific Writing	01	Richards, J	T 10:30 - 11:55	121 BCK	P
			02	Richards, J	W 15:00 - 16:25	121 BCK	P
Bi/Ch 111	4-0-8	Biochemistry of Gene Expression	01	Campbell, J / Parker, C	TR 11:00 - 11:55	147 NYS	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
Ch 120A	3-0-6	Nature of the Chemical Bond	01	Goddard, W	MWF 14:00 - 14:55	115 BCK	
Ch 125A	3-0-6	The Elements of Quantum Chemistry <i>Class will meet in 115 BCK on 1/7/15 and in BCK Auditorium on 2/20/15</i>	01	Goddard, W	MWF 11:00 - 11:55	121 BCK	G
Ch 135A	3-0-6	Chemical Dynamics	01	Marcus, R / Okumura, M	TR 10:30 - 11:55	151 CRL	
Ch 144A	3-0-6	Advanced Organic Chemistry	01	Dougherty, D	TR 14:30 - 15:55	153 NYS	
Ch/ChE 147	3-0-6	Polymer Chemistry <i>class cancelled</i>	01	Grubbs, R	A	A	
Ch 153A	3-0-6	Advanced Inorganic Chemistry	01	Gray, H / Winkler, J	F 10:00 - 11:55	115 BCK	
Ch 154A	3-0-6	Organometallic Chemistry	01	Peters, J	TR 09:00 - 10:25	153 NYS	G
ChE/Ch 164	3-0-6	Introduction to Statistical Thermodynamics	01	Wang, Z / Miller, T	TR 10:30 - 11:55	106 SPL	
BMB/Bi/Ch 173	3-0-6	Biophysical/Structural Methods	01	Clemons, W / Jensen, G	TR 10:30 - 11:55	100 - Rock Auditorium BRD	G
Ch 180	+	Chemical Research	01	Agapie, T	A	A	P
			02	Gray, H	A	A	P
			03	Giapis, K	A	A	P
			04	Goddard, W	A	A	P
Ch 182	+	Senior Thesis Research	01	Rees, D	A	A	P
			02	Gray, H	A	A	P
BMB/Ch 202B	1-0-0	Biochemistry Seminar Course <i>To be held on Biochemistry Seminar days from 12-1pm (approx. 1-2 per month).</i>	01	Clemons, W	A	A	P



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CHEMISTRY</b>							
Ch 213B	1-0-11	Advanced Ligand Field Theory	01	Gray, H	F 13:00 - 13:55	408 BCK	G
Ch 242B	3-0-6	Chemical Synthesis	01	Stoltz, B	MW 09:00 - 09:55 F 08:00 - 09:55	147 NYS 147 NYS	
Ch 280	+	Chemical Research	01	Arnold, F	A	A	P
			02	Bjorkman, P	A	A	P
			03	Barton, J	A	A	P
			04	Beauchamp, J	A	A	P
			05	Bercaw, J	A	A	P
			06	Blake, G	A	A	P
			07	Eiler, J	A	A	P
			08	Cai, L	A	A	P
			09	Fu, G	A	A	P
			10	Davis, M	A	A	P
			11	Dervan, P	A	A	P
			12	Dougherty, D	A	A	P
			13	Goentoro, L	A	A	P
			14	Miller, T	A	A	P
			15	Reisman, S	A	A	P
			16	Goddard, W	A	A	P
			17	Gray, H	A	A	P
			18	Grubbs, R	A	A	P
			19	Hsieh-Wilson, L	A	A	P
			20	Kornfield, J	A	A	P
			21	Wang, Z	A	A	P
			22	Lewis, N	A	A	P
			23	Atwater, H	A	A	P
			24	Marcus, R	A	A	P
			25	Mayo, S	A	A	P
			26	Clemons, W	A	A	P
			27	Okumura, M	A	A	P
			28	Ismagilov, R	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	29	Peters, J	A	A	P
			30	Rees, D	A	A	P
			31	Haile, S	A	A	P
			32	Sternberg, P	A	A	P
			33	Lester, H	A	A	P
			34	Seinfeld, J	A	A	P
			35	Stoltz, B	A	A	P
			36	Tirrell, D	A	A	P
			37	van de Walle, A	A	A	P
			38	Weitekamp, D	A	A	P
			39	Zewail, A	A	A	P
			40	Fraser, S	A	A	P
			41	Atwater, H	A	A	P
			42	Smolke, C	A	A	P
			43	Campbell, J	A	A	P
			44	Pierce, N	A	A	P
			45	Hoffmann, M	A	A	P
			46	Wennberg, P	A	A	P
			47	Heath, J	A	A	P
			48	Adkins, J	A	A	P
			49	Shan, S	A	A	P
			50	Agapie, T	A	A	P
			51	Hoelz, A	A	A	P
			52	Deshaies, R	A	A	P
			53	Shapiro, M	A	A	P
			54	Jensen, G	A	A	P
<b>CIVIL ENGINEERING</b>							
Ae/APh/CE/ME 101B	3-0-6	Fluid Mechanics	01	Shepherd, J	MWF 10:00 - 10:55	101 GUG	
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	101 GUG	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>CIVIL ENGINEERING</b>							
CE/Ae/AM 108B	3-0-6	Computational Mechanics	01	Kochmann, D	TR 14:30 - 15:55	101 GUG	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Andrade, J	R 11:00 - 11:55	102 STL	P
AM/CE 151B	3-0-6	Dynamics and Vibrations	01	Asimaki, D	MWF 10:00 - 10:55	211 KSP	G
CE 181A	3-0-6	Engineering Seismology	01	Ampuero Saenz, J	MWF 10:00 - 10:55	162 SMD	P
CE 200	+	Advanced Work in Civil Engineering <i>Class meets Tuesdays 10:30-noon and Fridays 11-12:30 in 211 KSP</i>	01	Hall, J	A A	A A	P
CE 300	+	Research in Civil Engineering	01 02 03 04 05 06	Asimaki, D Hall, J Beck, J Heaton, T Lapusta, N Andrade, J	A A A A A A	A A A A A A	P P P P P P
<b>COMPUTATION &amp; NEURAL SYS</b>							
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
Bi/CNS/NB 153	3-0-6	Brain Circuits	01	Meister, M	WF 10:30 - 11:55	3 BBB	
CS/CNS/EE 155	3-3-3	Machine Learning Data Mining	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	3 BBB	
CNS180	+	Research in Computation and Neural Systems	01 02 03	Burdick, J Murray, R Perona, P	A A A	A A A	P P P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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	04	Fraser, S	A	A	P			
			06	Hoffmann, M	A	A	P			
			07	Allman, J	A	A	P			
			08	Lester, H	A	A	P			
			11	Murray, R	A	A	P			
			12	Allman, J	A	A	P			
			13	Gradinaru, V	A	A	P			
			14	Shimojo, S	A	A	P			
			15	Tsao, D	A	A	P			
			16	Wold, B	A	A	P			
			17	Winfree, E	A	A	P			
			18	Rangel, A	A	A	P			
			19	Siapas, A	A	A	P			
			20	Prober, D	A	A	P			
			21	Patterson, P	A	A	P			
			22	Andersen, R	A	A	P			
			23	Elowitz, M	A	A	P			
			24	Anderson, D	A	A	P			
			25	Adolphs, R	A	A	P			
			26	Kennedy, M	A	A	P			
			27	Quartz, S	A	A	P			
			28	O'Doherty, J	A	A	P			
			29	Camerer, C	A	A	P			
			30	Meister, M	A	A	P			
			31	Shapiro, M	A	A	P			
			BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E	TR 10:30 - 11:55	105 ANB	G
			Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	300 BRD	
			CNS/Bi/NB 247	2-0-4	Cerebral Cortex <i>class cancelled</i>	01	Andersen, R	A	A	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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>							
CNS/SS 251	2-1-6	Human Brain Mapping: Theory and Practice <i>Maximum enrollment: 20 students</i>	01	O'Doherty, J	R 13:30 - 15:25	67 BRD	G
CNS280	+	Research in Computation and Neural Systems	01	Meister, M	A	A	P
			02	Elowitz, M	A	A	P
			03	Andersen, R	A	A	P
			05	Winfree, E	A	A	P
			06	Siapas, A	A	A	P
			07	Quartz, S	A	A	P
			08	Adolphs, R	A	A	P
			09	Murray, R	A	A	P
			10	Tsao, D	A	A	P
			11	Konishi, M	A	A	P
			12	Scherer, A	A	A	P
			14	Sternberg, P	A	A	P
			15	Perona, P	A	A	P
			16	Allman, J	A	A	P
			19	Bruck, J	A	A	P
			20	Burdick, J	A	A	P
			21	Shimojo, S	A	A	P
			22	Lester, H	A	A	P
			23	Wold, B	A	A	P
			24	Dickinson, M	A	A	P
			25	Hoffmann, M	A	A	P
			28	O'Doherty, J	A	A	P
<b>COMPUTER SCIENCE</b>							
CS 002	2-6-1	Introduction to Programming Methods	01	Barr, A / Desbrun, M	MWF 14:00 - 14:55	105 ANB	P
CS 004	3-4-2	Fundamentals of Computer Programming	01	Vanier, M	MWF 15:00 - 15:55	105 ANB	P
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Sheffer, A	MWF 13:00 - 13:55	151 SLN	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTER SCIENCE</b>							
CS 011	0-3-0	Computer Language Shop <i>CS 1 or instructor's permission is required.</i>	01	Vanier, M / Pinkston, D	OM,M 21:00 - 21:55	105 ANB	P
CS 021	3-0-6	Decidability and Tractability	01	Umans, C	MWF 13:00 - 13:55	105 ANB	G
EE/CS 052	1-11-0	Microprocessor Systems Laboratory	01	George, G	MWF 15:00 - 15:55	070 MRE	
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:00 - 16:55	070 MRE	
CS 080B	+	Undergraduate Thesis	01	Chandy, K	A	A	P
			02	Wierman, A	A	A	P
			03	Schroeder, P	A	A	P
			04	Winfree, E	A	A	P
			05	Barr, A	A	A	P
			06	Murray, R	A	A	P
			07	Ho, T	A	A	P
			08	Yue, Y	A	A	P
			09	Perona, P	A	A	P
CS 081B	+	Undergraduate Projects in Computer Science	01	Pinkston, D	A	A	P
			02	Winfree, E	A	A	P
			03	Barr, A	A	A	P
			04	Chandy, K	A	A	P
			05	Mahabal, A	A	A	P
			06	Wierman, A	A	A	P
			07	Desbrun, M	A	A	P
			08	Ho, T	A	A	P
			09	Vanier, M	A	A	P
			10	Perona, P	A	A	P
			11	Murray, R	A	A	P
			12	Adolphs, R	A	A	P
			13	Umans, C	A	A	P
			14	Burdick, J	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTER SCIENCE</b>							
CS 081B	+	Undergraduate Projects in Computer Science	15	Low, S	A	A	P
			16	Plott, C	A	A	P
			17	Yue, Y	A	A	P
			18	Hassibi, B	A	A	P
CS 090	+	Undergraduate Reading in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Low, S	A	A	P
			04	Schroeder, P	A	A	P
			05	Winfree, E	A	A	P
			06	Umans, C	A	A	P
			07	Desbrun, M	A	A	P
			08	Barr, A	A	A	P
			10	Perona, P	A	A	P
			11	Chandy, K	A	A	P
			13	Murray, R	A	A	P
			14	Wierman, A	A	A	P
CS 101B	3-0-6	Special Topics in Computer Science: Mathematical and Computational Linguistics	01	Marcolli, M	TR 10:30 - 11:55	107 ANB	
Ma/CS 117B	3-0-6	Computability Theory	01	Marks, A	TR 13:00 - 14:25	151 SLN	
CS 118	3-3-3	Logic Model Checking for Formal Software Verification	01	Holzmann, G	TR 13:00 - 14:25	314 ANB	
CS 122	3-3-3	Database System Implementation	01	Pinkston, D	MWF 11:00 - 11:55	105 ANB	
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 080 Moore 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	080 MRE	G
ME/CS 132A	3-6-0	Advanced Robotics: Navigation and Vision <i>updated time</i>	01	Matthies, L	TR 13:00 - 14:25	105 ANB	
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	TR 10:30 - 11:55	243 ANB	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>COMPUTER SCIENCE</b>							
CS/EE/CMS 144	3-3-6	Networks: Structure Economics	01	Wierman, A	MWF 09:00 - 10:25	105 ANB	
CS/CNS/EE 155	3-3-3	Machine Learning Data Mining	01	Yue, Y	TR 14:30 - 15:55	105 ANB	
CS 176	3-3-3	Introduction to Computer Graphics Research	01	Schroeder, P	TR 10:30 - 11:55	314 ANB	
CS 180	+	Master's Thesis Research	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			03	Ho, T	A	A	P
			04	Chandy, K	A	A	P
			05	Desbrun, M	A	A	P
			06	Kitaev, A	A	A	P
			07	Low, S	A	A	P
			08	Martin, A	A	A	P
			09	Yariv, A	A	A	P
			10	Barr, A	A	A	P
			11	Schroeder, P	A	A	P
			12	Wierman, A	A	A	P
			13	Winfree, E	A	A	P
			14	Wold, B	A	A	P
			15	Krause, R	A	A	P
			17	Perona, P	A	A	P
			BE/CS/CNS/Bi 191A	3-0-6	Biomolecular Computation	01	Winfree, E
ACM/CS/EE/CMS 218	3-0-6	Statistical Inference	01	Chandrasekaran, V	MWF 10:30 - 11:55	213 ANB	
Ph/CS 219A	3-0-6	Quantum Computation	01	Kitaev, A	TR 14:30 - 15:55	469 LAU	P
CS 280	+	Research in Computer Science	01	Abu-Mostafa, Y	A	A	P
			02	Umans, C	A	A	P
			03	Barr, A	A	A	P



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
<b>COMPUTER SCIENCE</b>										
CS 280	+	Research in Computer Science	04	Chandy, K	A	A	P			
			05	Desbrun, M	A	A	P			
			06	Cvitanic, J	A	A	P			
			07	Winfree, E	A	A	P			
			08	Low, S	A	A	P			
			09	Martin, A	A	A	P			
			10	Winfree, E	A	A	P			
			11	Perona, P	A	A	P			
			12	Schroeder, P	A	A	P			
			13	Chandrasekaran, V	A	A	P			
			14	Kitaev, A	A	A	P			
			15	Wierman, A	A	A	P			
			16	Ligett, K	A	A	P			
			17	Doyle, J	A	A	P			
			18	Murray, R	A	A	P			
			19	Vidick, T	A	A	P			
			CS 282B	+	Reading in Computer Science	01	Schulman, L	A	A	P
			CS 286B	3-0-0	Seminar In Computer Science	01	Schulman, L	T 16:00 - 16:55	213 ANB	P
			<b>COMPUTING AND MATHEMATICAL SCIENCES</b>							
CS/EE/CMS 144	3-3-6	Networks: Structure Economics	01	Wierman, A	MWF 09:00 - 10:25	105 ANB				
ACM/CS/EE/CMS 218	3-0-6	Statistical Inference	01	Chandrasekaran, V	MWF 10:30 - 11:55	213 ANB				
CMS290B	1-0-0	Computing Mathematical Sciences Colloquium	01	Tropp, J	M 16:15 - 17:25	105 ANB	P			
<b>CONTROL &amp; DYNAMICAL SYSTEMS</b>										

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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>							
CDS090B	0-0-9	Senior Thesis in Control & Dynamical Systems	01	Murray, R	A	A	G
CDS112	3-0-6	Control System Design <i>Class will be held in ANB 107 on 1/23/15</i>	01	Burdick, J	MWF 13:00 - 13:55	213 ANB	
CDS140	3-0-6	Introduction To Dynamics	01	Murray, R	MWF 11:00 - 12:25	314 ANB	
CDS190	+	Independent Work in Control and Dynamical Systems	01	Staff	A	A	P
CDS212	3-0-6	Introduction to Modern Control <i>class will meet in ANB 107 on 1/23/15</i>	01	Doyle, J	TR 14:30 - 15:55	213 ANB	
Ae/CDS/ME 251A	3-0-6	Closed Loop Flow Control	01	Bodony, D	TR 10:30 - 11:55	202 GUG	
CDS300B	+	Research in Control and Dynamical Systems	01	Burdick, J	A	A	P
			02	Adolphs, R	A	A	P
			03	Doyle, J	A	A	P
			04	Owhadi, H	A	A	P
			05	Dabiri, J	A	A	P
			06	Goentoro, L	A	A	P
			07	Dickinson, M	A	A	P
			08	Murray, R	A	A	P
			11	Elowitz, M	A	A	P
			12	Desbrun, M	A	A	P
			13	Ortiz, M	A	A	P
			14	Beck, J	A	A	P
<b>ECONOMICS</b>							
Ec 011	3-2-4	Introduction to Economics	01	Rangel, A	TR 13:00 - 14:25	Lecture Hall BAX	
BEM/Ec/SS 020	2-0-4	Scientific Writing and Oral Presentation in the Social Sciences <i>Maximum enrollment: 10 students</i>	01	Yariv, L / Daley, C	W 14:00 - 15:55	115 DAB	G

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ECONOMICS</b>							
Ec 097	+	Undergraduate Research	01	Staff	A	A	P
Ec 098B	+	Senior Research and Thesis	01	Camerer, C	A	A	P
			02	Makarov, N	A	A	P
			03	Ledyard, J	A	A	P
			04	Rangel, A	A	A	P
			05	Shum, M	A	A	P
			06	Haugen, K	A	A	P
Ec 121B	3-0-6	Theory of Value	01	Border, K	TR 14:30 - 15:55	33 BAX	G
Ec/SS 124	3-0-6	Indentification Problems in the Social Sciences	01	Sherman, R	TR 10:30 - 11:55	127 BAX	
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260// Completion of Ec/PS 160A required for b and c classes //Max of 10 students for both Ec 160 &amp; SS 260</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
PS/Ec 172	3-0-6	Game Theory	01	Elliott, M	MW 09:00 - 10:25	25 BAX	
Ec 190	+	Undergraduate Research	01	Adolphs, R	A	A	P
<b>ELECTRICAL ENGINEERING</b>							
EE 001	1-0-0	Introduction to Electrical Engineering Seminar	01	Hassibi, B	W 12:00 - 12:55	070 MRE	P
EE/ME 007	2-3-1	Introduction to Mechatronics	01	George, G	WF 13:00 - 13:55	070 MRE	P
EE 045	3-3-6	Electronics Laboratory	01	Emami, A	TR 14:30 - 15:55	070 MRE	
EE/CS 052	1-11-0	Microprocessor Systems Laboratory	01	George, G	MWF 15:00 - 15:55	070 MRE	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ELECTRICAL ENGINEERING</b>							
EE/CS 053	0-12-0	Microprocessor Project Laboratory	01	George, G	OM,W 16:00 - 16:55	070 MRE	
EE 080B	+	Senior Thesis	01	Potter, K	A	A	P
			02	Scherer, A	A	A	P
EE 091B	+	Experimental Projects in Electronic Circuits <i>Units by arrangement; 12 units minimum each term.</i>	01	Megdal, B	OM,T 16:30 - 17:25	070 MRE	
EE 099	+	Advanced Work in Electrical Engineering	01	Scherer, A	A	A	P
			02	Perona, P	A	A	P
			03	George, G	A	A	P
			04	Atwater, H	A	A	P
			05	Murray, R	A	A	P
			06	Emami, A	A	A	P
			07	Gharib, M	A	A	P
			08	Low, S	A	A	P
			09	Yang, C	A	A	P
			10	Hajimiri, S	A	A	P
			11	Burdick, J	A	A	P
			12	Tai, Y	A	A	P
			13	Yariv, A	A	A	P
			14	Bruck, J	A	A	P
EE 105B	1-0-0	Electrical Engineering Seminar	01	Hassibi, B	A	A	P
EE 112	3-0-6	Introduction to Digital Signal Processing	01	Vaidyanathan, P	TR 13:00 - 14:25	080 MRE	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	
EE 119B	3-3-3	Advanced Digital Systems Design	01	George, G	MWF 14:00 - 14:55	070 MRE	



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	12	Hassibi, B	A	A	P
			13	Zmuidzinias, J	A	A	P
			14	Low, S	A	A	P
			15	McEliece, R	A	A	P
			16	Atwater, H	A	A	P
			17	Murray, R	A	A	P
			18	Perona, P	A	A	P
			19	Gharib, M	A	A	P
			20	Hoffmann, M	A	A	P
			21	Choo, H	A	A	P
			22	Phillips, R	A	A	P
			23	Cvitanić, J	A	A	P
			24	Quartz, S	A	A	P
			25	Rutledge, D	A	A	P
			26	Scherer, A	A	A	P
			27	Pellegrino, S	A	A	P
			28	Tai, Y	A	A	P
			29	Vaidyanathan, P	A	A	P
			30	Yariv, A	A	A	P
			31	Chandrasekaran, V	A	A	P
			32	Roukes, M	A	A	P
33	Avouac, J	A	A	P			
34	Weinreb, S	A	A	P			
35	Hallinan, G	A	A	P			
36	Martin, A	A	A	P			
37	Yang, C	A	A	P			
38	Emami, A	A	A	P			
39	Painter, O	A	A	P			
40	Faraon, A	A	A	P			
41	Lahouti, F	A	A	P			
<b>ENERGY SCIENCE AND TECHNOLOGY</b>							

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ENERGY SCIENCE AND TECHNOLOGY</b>							
EE/CS/EST 135	3-3-3	Power System Analysis	01	Low, S	TR 10:30 - 11:55	243 ANB	
<b>ENGINEERING</b>							
E 010	1-0-2	Technical Seminar Presentations <i>Maximum Enrollment: 6 students per section</i>	01	Fender, A	OM,T 20:00 - 20:55 M 09:00 - 09:55	142 KCK 142 KCK	G
			02	Fender, A	OM,T 20:00 - 20:55 M 10:00 - 10:55	142 KCK 142 KCK	G
			03	Fender, A	OM,T 20:00 - 20:55 M 11:00 - 11:55	142 KCK 142 KCK	G
			04	Fender, A	OM,T 20:00 - 20:55 W 09:00 - 09:55	142 KCK 142 KCK	G
			05	Fender, A	OM,T 20:00 - 20:55 W 10:00 - 10:55	142 KCK 142 KCK	G
			06	Fender, A	OM,T 20:00 - 20:55 W 11:00 - 11:55	142 KCK 142 KCK	G
			07	Fender, A	OM,T 20:00 - 20:55 F 09:00 - 09:55	142 KCK 142 KCK	G
			08	Fender, A	OM,T 20:00 - 20:55 F 10:00 - 10:55	142 KCK 142 KCK	G
			09	Fender, A	OM,T 20:00 - 20:55 F 11:00 - 11:55	142 KCK 142 KCK	G
			E 011	1-0-2	Written Technical Communication in Engineering and Applied Science <i>Limited to seniors in E&amp;AS only // Maximum enrollment: 20 students per section</i>	01	Dabiri, M
02	Smith, D	R 15:00 - 15:55				142 KCK	G
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	W 19:00 - 21:55	125 BAX	G
E 102A	3-0-6	Entrepreneurial Development <i>class cancelled</i>	01	Pickar, K	A	A	P
E/ME 105A	3-2-4	Product Design for the Developing World	01	Pickar, K	TR 14:30 - 15:55	3 BBB	

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ENGINEERING</b>							
E 110	1-0-1	Principles of University Teaching and Learning in STEM	01	Dabiri, M	T 09:30 - 10:25	142 KCK	
<b>ENGLISH</b>							
Hum/En 005	3-0-6	Major British Authors <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students per section</i>	01	Jahner, J	TR 14:30 - 15:55	151 BRN	
			02	Haugen, K	T 19:00 - 21:55	117 DAB	
			03	Haugen, K	W 19:00 - 21:55	117 DAB	
			04	Pigman, G	TR 14:30 - 15:55	115 DAB	
			05	Gilmore, D	TR 14:30 - 15:55	117 DAB	
Hum/En 006	3-0-6	American Literature and Culture <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>	01	Hunter, C	TR 09:00 - 10:25	228 BAX	
En 086	3-0-6	Fiction and Creative Nonfiction Writing <i>Maximum enrollment: 12 students</i>	01	Gerber, M	M 19:30 - 22:25	128 BAX	
En 098	+	Reading in English <i>Instructor permission required prior to registering</i>	01	Gilmartin, K	A	A	P
			02	Haugen, K	A	A	P
			03	Dennison, T	A	A	P
En 099A	1-0-8	Senior Tutorial for English Majors	01	Weinstein, C	A	A	G
			02	Gilmartin, K	A	A	G
			03	Pigman, G	A	A	G
			04	Haugen, K	A	A	G
			05	Jurca, C	A	A	G
			06	Gilmore, D	A	A	G
			07	Hunter, C	A	A	G
En 099B	1-0-8	Senior Tutorial for English Majors	01	Haugen, K	A	A	G
			02	Gilmartin, K	A	A	G
			03	Weinstein, C	A	A	G
En/H 110	3-0-6	Saints, Sinners, and Sexuality in the Medieval World <i>Maximum enrollment: 15 students</i>	01	Jahner, J	T 19:00 - 21:55	33 BAX	G



**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>ENGLISH</b>							
En 113A	3-0-6	Shakespeare's Career <i>Maximum enrollment: 15 students</i>	01	Pigman, G	TR 13:00 - 14:25	115 DAB	G
En/F 160B	3-0-6	Introduction to Classical Hollywood Film <i>Open by lottery only; See link on the REGIS home page to enter lottery prior to Nov 19th // Maximum enrollment: 18 students</i>	01	Jurca, C	TR 13:00 - 14:25	125 BAX	
En 178	3-0-6	Medieval Subjectivities <i>Maximum enrollment: 15 students</i>	01	Saltzman, B	T 09:00 - 11:55	115 DAB	
En 183	3-0-6	Victorian Crime Fiction <i>Maximum enrollment: 20 students</i>	01	Gilmore, D	W 13:00 - 15:55	128 BAX	G
En/H 197	+	American Literature and the Technologies of Reading <i>Maximum enrollment: 15 students // Letter grades only // Class meets W 1-4pm</i>	01	Hunter, C	A	A	P
<b>ENGLISH AS A SECOND LANGUAGE</b>							
ESL101B	3-0-0	Oral Communication and Pronunciation <i>Thursday class times for Social Science students only</i>	01	Geasland, J	MWR 17:30 - 18:55	127 BAX	P
<b>ENVIRONMENTAL SCIENCE &amp; ENGINEERING</b>							
ESE090	+	Undergraduate Laboratory Research in Environmental Science and Engineering	01	Leadbetter, J	A	A	P
			02	Flagan, R	A	A	P
			03	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Newman, D	A	A	P
			06	Thompson, A	A	A	P
ESE100	+	Special Problems in Environmental Engineering Science <i>up to 12 units by arrangement</i>	01	Schneider, T	A	A	P
			02	Ingersoll, A	A	A	P
			03	Wennberg, P	A	A	P
			04	Hoffmann, M	A	A	P
			05	Adkins, J	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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>							
ESE100	+	Special Problems in Environmental Engineering Science <i>up to 12 units by arrangement</i>	06	Leadbetter, J	A	A	P
			07	Bordoni, S	A	A	P
			08	Yung, Y	A	A	P
			09	Seinfeld, J	A	A	P
			10	Orphan, V	A	A	P
			11	Thompson, A	A	A	P
			12	Sessions, A	A	A	P
ESE103	3-0-6	Earth's Biogeochemical Cycles	01	Wennberg, P	MWF 15:00 - 15:55	162 SMD	G
ESE105	+	Research in Environmental Science and Engineering	01	Adkins, J	A	A	P
			02	Blake, G	A	A	P
			03	Bordoni, S	A	A	P
			04	Eiler, J	A	A	P
			05	Flagan, R	A	A	P
			06	Hoffmann, M	A	A	P
			07	Ingersoll, A	A	A	P
			08	Lamb, M	A	A	P
			09	Leadbetter, J	A	A	P
			10	Newman, D	A	A	P
			11	Okumura, M	A	A	P
			12	Orphan, V	A	A	P
			13	Schneider, T	A	A	P
			14	Seinfeld, J	A	A	P
			15	Sessions, A	A	A	P
			16	Wennberg, P	A	A	P
			17	Yung, Y	A	A	P
			18	Thompson, A	A	A	P
ESE110B	1-0-0	Seminar in Environmental Science and Engineering	01	Adkins, J	W 16:00 - 16:55	365 SMD	P
ESE131	3-0-6	Physical Oceanography	01	Thompson, A	MWF 11:00 - 11:55	135 L+R	G

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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>							
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Ingersoll, A	TR 13:00 - 14:25	135 L+R	
Ge/ESE 154	+	Readings in Paleoclimate <i>Class meets Fridays, 2:30-4 in 212 NMD</i>	01	Adkins, J	A	A	P
ESE/Bi 168	3-0-6	Microbial Metabolic Diversity	01	Newman, D	MWF 13:00 - 13:55	215 NMD	
Ge/ESE 170	3-2-4	Microbial Ecology	01	Orphan, V	MWF 11:00 - 11:55	267 ARM	
ESE175	3-0-6	Physical Inorganic Chemistry of Natural Waters	01	Hoffmann, M	MWF 10:00 - 10:55	135 L+R	
ESE300	+	Thesis Research	01	Adkins, J	A	A	P
			02	Sessions, A	A	A	P
			04	Hoffmann, M	A	A	P
			05	Ingersoll, A	A	A	P
			06	Leadbetter, J	A	A	P
			07	Newman, D	A	A	P
			08	Bordoni, S	A	A	P
			09	Yung, Y	A	A	P
			10	Wennberg, P	A	A	P
			11	Schneider, T	A	A	P
			12	Seinfeld, J	A	A	P
			13	Eiler, J	A	A	P
			14	Orphan, V	A	A	P
			15	Okumura, M	A	A	P
			16	Thompson, A	A	A	P
<b>FILM</b>							
En/F 160B	3-0-6	Introduction to Classical Hollywood Film <i>Open by lottery only; See link on the REGIS home page to enter lottery prior to Nov 19th // Maximum enrollment: 18 students</i>	01	Jurca, C	TR 13:00 - 14:25	125 BAX	

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>FRESHMAN SEMINARS</b>							
FS 002	2-0-4	Freshman Seminar: The Origins of Ideas <i>Course cancelled</i>	01	Bruck, J	R 16:00 - 17:25	239 MRE	P
FS/Ay 003	2-0-4	Freshman Seminar: Automating Discovering the Universe <i>Limited enrollment</i>	01	Kulkarni, S	MW 15:00 - 15:55	219 CHL	P
FS/Ph 011B	2-0-4	Freshman Seminar: Research Tutorial	01	Stevenson, D	A	201 SLN	P
FS/Ph 015	2-0-4	Freshman Seminar: Dance of the Photons <i>Open to freshmen only // Maximum enrollment: 12 students</i>	01	Pine, J	T 14:00 - 15:55	248 LAU	P
FS 017	2-0-4	Freshman Seminar: The Theory and Practice of Moneyball <i>Maximum enrollment: 20 students</i>	01	Claire, F / Kiewiet, D	T 09:00 - 10:55	33 BAX	P
<b>GEOLOGY</b>							
Ge 010	2-0-0	Frontiers in Geological and Planetary Sciences	01	Clayton, R	F 12:00 - 12:55	151 ARM	P
Ge 011B	3-3-3	Introduction to Earth and Planetary Sciences: Earth and the Biosphere <i>Field Trip Dates: TBD</i>	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55 W 19:00 - 21:55	251 ARM 251 ARM	
Ge 011D	3-0-6	Introduction to Earth and Planetary Sciences: Geophysics <i>taught concurrently with Ge 102</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	162 SMD	
Ge 040	+	Special Problems for Undergraduates	01	Kirschvink, J	A	A	P
			02	Orphan, V	A	A	P
			03	Lamb, M	A	A	P
			04	Ingersoll, A	A	A	P
			05	Adkins, J	A	A	P
			06	Rossmann, G	A	A	P
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	01	Rossmann, G	A	A	P
			02	Kirschvink, J	A	A	P
			03	Grotzinger, J	A	A	P

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme			
<b>GEOLOGY</b>										
Ge 041B	+	Undergraduate Research and Bachelor's Thesis	04	Orphan, V	A	A	P			
			05	Stolper, E	A	A	P			
			06	Stock, J	A	A	P			
			07	Grotzinger, J	A	A	P			
			08	Asimow, P	A	A	P			
			09	Brown, M	A	A	P			
			10	Fischer, W	A	A	P			
			11	Eiler, J	A	A	P			
			12	Ingersoll, A	A	A	P			
			Ge 102	3-0-6	Introduction to Geophysics <i>taught concurrently with Ge 11D</i>	01	Clayton, R / Gurnis, M	MWF 09:00 - 09:55	162 SMD	
			Ge 104	3-0-6	Introduction to Geobiology	01	Fischer, W / Kirschvink, J	MWF 14:00 - 14:55	251 ARM	
			Ge 106	3-0-6	Introduction to Structural Geology <i>class cancelled</i>	01	Stock, J	OM,M 09:30 - 09:55	215 NMD	
Ge 111A	3-3-0	Applied Geophysics Seminar and Field Course <i>Field Trip dates: TBD</i>	01	Clayton, R / Simons, M	OM,R 09:00 - 10:25	162 SMD	G			
Ge 115A	3-0-3	Petrology and Petrography: Igneous Petrology	01	Stolper, E	MWF 10:00 - 10:55	351 ARM				
Ge 116	1-4-1	Analytical Techniques Laboratory <i>Labs TBA // Maximum enrollment: 8 students</i>	01	Asimow, P / Jackson, J / Rossman, G	M 13:00 - 13:55	267 ARM	G			
Ge/Ay 117	3-0-6	Statistics and Data Analysis	01	Knutson, H	MWF 11:00 - 11:55	176 SMD				
Ge 121B	0-9-3	Advanced Field Geology <i>Field Trip Dates: TBD</i>	01	Kirschvink, J	OM,M 09:30 - 09:55	267 ARM	G			
Ge 126	2-0-4	Topics in Earth Surface Processes	01	Lamb, M	F 15:00 - 16:55	267 ARM				
Ge 136B	1-0-2	Regional Field Geology of the Southwestern United States <i>Field Trip Dates: TBA</i>	01	Kirschvink, J	OM,M 09:00 - 09:25	251 ARM	P			
			02	Stock, J	A	A	P			

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>GEOLOGY</b>							
Ge/Ay 137	3-0-6	Planetary Physics	01	Batygin, K	MWF 14:00 - 14:55	162 SMD	
Ge 140A	3-0-6	Stable Isotope Geochemistry	01	Eiler, J	TR 09:00 - 10:25	215 NMD	
Ge/ESE 150	3-0-6	Planetary Atmospheres	01	Ingersoll, A	TR 13:00 - 14:25	135 L+R	
Ge/ESE 154	+	Readings in Paleoclimate <i>Class meets Fridays, 2:30-4 in 212 NMD</i>	01	Adkins, J	A	A	P
Ge/Ay 159	3-0-6	Planetary Evolution and Habitability	01	Yung, Y	MWF 15:00 - 15:55	176 SMD	
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids <i>class cancelled</i>	01	Ortiz, M	TR 10:30 - 11:55	202 GUG	G
Ge 162	3-0-6	Seismology	01	Ampuero Saenz, J	MWF 10:00 - 10:55	162 SMD	
Ge 164	3-0-6	Mineral Physics	01	Jackson, J	TR 10:30 - 11:55	162 SMD	
Ge/ESE 170	3-2-4	Microbial Ecology	01	Orphan, V	MWF 11:00 - 11:55	267 ARM	
Ge 197	2-0-4	Special Topics in Geobiology: Geomicrobiology and the Methane Energy Economy	01	Gralnick, J	R 13:00 - 14:55	162 SMD	
Ge 263	3-0-6	Computational Geophysics	01	Clayton, R / Gurnis, M / Ampuero Saenz, J	MWF 11:00 - 11:55	251 ARM	
ME/Ge/Ae 266A	3-0-6	Dynamic Fracture and Frictional Faulting	01	Lapusta, N	MW 14:00 - 15:25	215 NMD	
Ge 297	+	Advanced Study	01	Adkins, J	A	A	P
			02	Eiler, J	A	A	P
			03	Clayton, R	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	06	Brown, M	A	A	P
			07	Grotzinger, J	A	A	P
			08	Stock, J	A	A	P
			09	Sessions, A	A	A	P
			10	Avouac, J	A	A	P
			11	Gurnis, M	A	A	P
			12	Saleeby, J	A	A	P
			13	Helmberger, D	A	A	P
			14	Ingersoll, A	A	A	P
			15	Jackson, J	A	A	P
			16	Kirschvink, J	A	A	P
			17	Farley, K	A	A	P
			18	Newman, D	A	A	P
			19	Ampuero Saenz, J	A	A	P
			20	Fischer, W	A	A	P
			21	Lamb, M	A	A	P
			22	Rossmann, G	A	A	P
			23	Schneider, T	A	A	P
			24	Bordoni, S	A	A	P
			25	Simons, M	A	A	P
			26	Stevenson, D	A	A	P
			27	Ehlmann, B	A	A	P
			28	Stolper, E	A	A	P
			29	Kulkarni, S	A	A	P
			30	Miller, T	A	A	P
			31	Batygin, K	A	A	P
			32	Wennberg, P	A	A	P
			33	Wernicke, B	A	A	P
			34	Aharonson, O	A	A	P
			35	Yung, Y	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Orphan, V	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	39	Tsai, V	A	A	P
			40	Knutson, H	A	A	P
			41	Knutson, H	A	A	P
Ge 299	+	Thesis Research	01	Adkins, J	A	A	P
			02	Ehlmann, B	A	A	P
			03	Avouac, J	A	A	P
			04	Asimow, P	A	A	P
			05	Blake, G	A	A	P
			06	Brown, M	A	A	P
			07	Clayton, R	A	A	P
			08	Eiler, J	A	A	P
			09	Farley, K	A	A	P
			10	Grotzinger, J	A	A	P
			11	Heaton, T	A	A	P
			12	Helmberger, D	A	A	P
			13	Gurnis, M	A	A	P
			14	Kirschvink, J	A	A	P
			15	Fischer, W	A	A	P
			16	Newman, D	A	A	P
			17	Orphan, V	A	A	P
			18	Knutson, H	A	A	P
			19	Rossmann, G	A	A	P
			20	Saleeby, J	A	A	P
			21	Lamb, M	A	A	P
22	Schneider, T	A	A	P			
23	Sessions, A	A	A	P			
25	Simons, M	A	A	P			
26	Stevenson, D	A	A	P			
27	Stock, J	A	A	P			
28	Stolper, E	A	A	P			
31	Yung, Y	A	A	P			
32	Aharonson, O	A	A	P			
33	Wennberg, P	A	A	P			



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	34	Wernicke, B	A	A	P
			35	Ampuero Saenz, J	A	A	P
			36	Lapusta, N	A	A	P
			37	Kulkarni, S	A	A	P
			38	Jackson, J	A	A	P
			39	Ingersoll, A	A	A	P
<b>HISTORY</b>							
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required.</i> <i>// Maximum Enrollment: 15 students per section.</i> <i>// Section 1: Grades only for non-frosh</i>	01	Hoffman, P	TR 14:30 - 15:55	128 BAX	
			02	Wey-Gomez, N	TR 09:00 - 10:25	128 BAX	
Hum/H 003C	3-0-6	European Civilization: Modern Europe <i>Attendance at the first class meeting is required.</i> <i>// Maximum Enrollment: 15 students</i>	01	Dennison, T	TR 14:30 - 15:55	127 BAX	
Hum/H 004A	3-0-6	Before Greece: The Origins of Civilization in Mesopotamia <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>	01	Buchwald, J	TR 09:00 - 10:25	TR DAB	
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>	01	Feingold, M	W 19:00 - 21:55	TR DAB	
E/H/Art 089	3-0-6	New Media Arts in the 20th and 21st Centuries <i>Maximum enrollment: 20 students</i>	01	Mushkin, H	W 19:00 - 21:55	125 BAX	G
H 098	+	Reading in History	01	Staff	A	A	P
H 099B	1-0-8	Research Tutorial	01	Hoffman, P	A	A	
			02	Dennison, T	A	A	
			03	Brown, W	A	A	
			04	Brewer, J	A	A	
			05	Buchwald, J	A	A	
			06	Wey-Gomez, N	A	A	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HISTORY</b>							
En/H 110	3-0-6	Saints, Sinners, and Sexuality in the Medieval World <i>Maximum enrollment: 15 students</i>	01	Jahner, J	T 19:00 - 21:55	33 BAX	G
H 111	3-0-6	The Medieval Church <i>Maximum enrollment: 25 students</i>	01	Brown, W	MWF 13:00 - 13:55	127 BAX	
H/L 142	3-0-6	Perspectives on History through Russian Literature <i>Maximum enrollment: 15 students</i>	01	Dennison, T	TR 13:00 - 14:25	127 BAX	G
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>Maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	125 BAX	G
HPS/H 166	3-0-6	Historical Perspectives on the Relations between Science and Religion <i>Maximum Enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	115 DAB	
HPS/H 170	3-0-6	History of Light from Antiquity to the 20th Century <i>Maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	TR DAB	G
HPS/H/PI 173	3-0-6	History of Chemistry <i>Maximum enrollment: 15 students</i>	01	Newman, W	W 19:00 - 21:55	115 DAB	G
H/HPS 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>Maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	128 BAX	
En/H 197	+	American Literature and the Technologies of Reading <i>Maximum enrollment: 15 students // Letter grades only // Class meets W 1-4pm</i>	01	Hunter, C	A	A	P
<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required. // Maximum enrollment: 15 students</i>	01	Feingold, M	W 19:00 - 21:55	TR DAB	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>							
HPS102B	2-0-10	Senior Research Seminar	01	Quartz, S	A	A	
			02	Feingold, M	A	A	
HPS103	1-0-0	Public Lecture Series	01	Feingold, M	A	A	P
HPS/PI 122	3-0-6	Probability, Evidence, and Belief <i>Maximum enrollment: 15 students</i>	01	Eberhardt, F	TR 10:30 - 11:55	128 BAX	G
HPS/PI 136	3-0-6	Happiness and the Good Life <i>Open by lottery only; See link on the REGIS home page to enter lottery prior to Nov 19th // Maximum enrollment: 15 students</i>	01	Quartz, S	T 13:00 - 15:55	19 BAX	
HPS/H 166	3-0-6	Historical Perspectives on the Relations between Science and Religion <i>Maximum Enrollment: 15 students</i>	01	Feingold, M	T 19:00 - 21:55	115 DAB	
HPS/H 170	3-0-6	History of Light from Antiquity to the 20th Century <i>Maximum enrollment: 15 students</i>	01	Buchwald, J	TR 14:30 - 15:55	TR DAB	G
HPS/H/PI 173	3-0-6	History of Chemistry <i>Maximum enrollment: 15 students</i>	01	Newman, W	W 19:00 - 21:55	115 DAB	G
H/HPS 185	3-0-6	Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>Maximum enrollment: 15 students</i>	01	Wey-Gomez, N	TR 13:00 - 14:25	128 BAX	
<b>HUMANITIES</b>							
Hum/H 003B	3-0-6	European Civilization: Early Modern Europe <i>Attendance at the first class meeting is required. // Maximum Enrollment: 15 students per section. // Section 1: Grades only for non-frosh</i>	01	Hoffman, P	TR 14:30 - 15:55	128 BAX	
			02	Wey-Gomez, N	TR 09:00 - 10:25	128 BAX	
Hum/H 003C	3-0-6	European Civilization: Modern Europe <i>Attendance at the first class meeting is required. // Maximum Enrollment: 15 students</i>	01	Dennison, T	TR 14:30 - 15:55	127 BAX	
Hum/H 004A	3-0-6	Before Greece: The Origins of Civilization in Mesopotamia	01	Buchwald, J	TR 09:00 - 10:25	TR DAB	

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>HUMANITIES</b>							
Hum/H 004A	3-0-6	Before Greece: The Origins of Civilization in Mesopotamia <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>					
Hum/En 005	3-0-6	Major British Authors <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students per section</i>	01	Jahner, J	TR 14:30 - 15:55	151 BRN	
			02	Haugen, K	T 19:00 - 21:55	117 DAB	
			03	Haugen, K	W 19:00 - 21:55	117 DAB	
			04	Pigman, G	TR 14:30 - 15:55	115 DAB	
			05	Gilmore, D	TR 14:30 - 15:55	117 DAB	
Hum/En 006	3-0-6	American Literature and Culture <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>	01	Hunter, C	TR 09:00 - 10:25	228 BAX	
Hum/PI 008	3-0-6	Right and Wrong <i>Attendance at the first class meeting is required</i> <i>// Maximum enrollment: 15 students per section//</i> <i>Section 2 will meet in 19 Baxter on Tuesday,</i> <i>Jan 27th</i>	01	Cowie, F	M 19:00 - 21:55	TR DAB	
			02	Cowie, F	T 19:00 - 21:55	TR DAB	
Hum/PI 009	3-0-6	Knowledge and Reality <i>Attendance at first class meeting is required.//Maximum Enrollment: 15 students per section/</i>	01	Hitchcock, C	TR 09:00 - 10:25	125 BAX	
			02	Hitchcock, C	TR 14:30 - 15:55	125 BAX	
Hum/H/HPS 010	3-0-6	Introduction to the History of Science <i>Attendance at the first class meeting is required.</i> <i>// Maximum enrollment: 15 students</i>	01	Feingold, M	W 19:00 - 21:55	TR DAB	
<b>LANGUAGES</b>							
L 102B	3-0-6	Elementary French	01	Orcel, C	TWR 12:00 - 12:55	128 BAX	
L 103B	3-0-6	Intermediate French	01	Merrill, T	MWF 12:00 - 12:55	33 BAX	
L 105B	3-0-6	Topics in French Culture and Literature	01	Orcel, C	MWF 10:00 - 10:55	127 BAX	

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>LANGUAGES</b>							
L 106B	5-0-4	Elementary Japanese <i>Taught by Dr. Hirai // Maximum Enrollment: 20 students per section</i>	01	Toner, R	MTWR 15:00 - 15:55	228 BAX	
			02	Toner, R	MTWR 16:00 - 16:55	228 BAX	
L 107B	5-1-4	Intermediate Japanese <i>Maximum Enrollment: 20 students</i>	01	Hirata, K	TWR 12:00 - 12:55	115 DAB	G
L 108B	3-1-6	Advanced Japanese <i>Maximum enrollment: 20 students // Class will meet in 228 Baxter on 1/20/15 only</i>	01	Hirata, K	TR 13:00 - 14:25	TR DAB	G
L 110B	3-0-6	Elementary Spanish <i>Maximum enrollment: 20 students per section // Section 2 will meet in SPL 102 on 1/27/15 &amp; 3/3/15</i>	01	Garcia, D	MWR 12:00 - 12:55	127 BAX	
			02	Arjona, G	TR 19:00 - 20:25	128 BAX	
L 112B	3-0-6	Intermediate Spanish <i>Maximum Enrollment: 20 students</i>	01	Arjona, G	TR 16:30 - 17:55	128 BAX	
L 114B	3-0-6	Spanish and Latin American Literature <i>Maximum Enrollment: 20 students</i>	01	Garcia, D	R 19:30 - 20:55	228 BAX	
					M 20:00 - 21:25	228 BAX	
L 130B	3-0-6	Elementary German	01	Aebi, A	MWR 13:00 - 13:55	117 DAB	
L 132B	3-0-6	Intermediate German	01	Aebi, A	MWR 12:00 - 12:55	117 DAB	
H/L 142	3-0-6	Perspectives on History through Russian Literature <i>Maximum enrollment: 15 students</i>	01	Dennison, T	TR 13:00 - 14:25	127 BAX	G
L 170B	4-1-5	Introduction to Chinese <i>Maximum enrollment: 20 students</i>	01	Wang, X	MW 19:00 - 20:25	127 BAX	
L 171B	5-0-4	Elementary Chinese <i>Maximum enrollment: 20 students</i>	01	Ming, F	M 19:00 - 19:55	115 DAB	
					TW 19:00 - 19:55	228 BAX	
L 172B	4-1-5	Intermediate Chinese <i>Maximum enrollment: 20 students</i>	01	Wang, X	TR 19:00 - 20:25	127 BAX	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>LANGUAGES</b>							
L 173B	3-1-6	Advanced Chinese <i>Maximum enrollment: 20 students</i>	01	Ming, F	M 20:00 - 21:25 W 16:00 - 17:25	115 DAB 115 DAB	
<b>LAW</b>							
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>Maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	125 BAX	G
<b>MATERIALS SCIENCE</b>							
MS 078B	+	Senior Thesis	01 02 03 04 05	Johnson, W Haile, S Greer, J Snyder, G Goddard, W	A A A A A	A A A A A	P P P P P
MS 100	+	Advanced Work in Materials Science	01 02 03 04 07	Haile, S Fultz, B Snyder, G Davis, M Johnson, W	A A A A A	A A A A A	P P P P P
APh/MS 105B	3-0-6	States of Matter	01	Johnson, W	MW 13:00 - 14:25	104 WAT	G
MS 110B	1-0-0	Materials Research Lectures	01	Snyder, G	W 16:00 - 16:55	106 SPL	P
MS/APh 120	3-0-6	Diffraction and Structure <i>updated time</i>	01	Fultz, B	TR 10:30 - 11:55	3 BBB	
MS/APh 122	0-4-5	Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i>	01	Fultz, B / Garland, C	OM,T 13:00 - 13:55	042 KCK	
MS/ME 162	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	155 ARM	
MS 200	+	Advanced Work in Materials Science	01 02	Ortiz, M Snyder, G	A A	A A	P P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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	03	Atwater, H	A	A	P			
			04	Minnich, A	A	A	P			
			05	Fultz, B	A	A	P			
			06	Goddard, W	A	A	P			
			07	Haile, S	A	A	P			
			08	Johnson, W	A	A	P			
			09	van de Walle, A	A	A	P			
			10	Greer, J	A	A	P			
			11	Heath, J	A	A	P			
			12	Daraio, C	A	A	P			
			13	Lewis, N	A	A	P			
			14	Bhattacharya, K	A	A	P			
			15	Faber, K	A	A	P			
			MS 300	+	Thesis Research	01	Atwater, H	A	A	P
						02	Ortiz, M	A	A	P
03	Rosakis, A	A				A	P			
04	Fultz, B	A				A	P			
05	Goddard, W	A				A	P			
06	Haile, S	A				A	P			
07	Johnson, W	A				A	P			
08	van de Walle, A	A				A	P			
09	Greer, J	A				A	P			
10	Snyder, G	A				A	P			
11	Cross, M	A				A	P			
12	Heath, J	A				A	P			
13	Lewis, N	A				A	P			
14	Bhattacharya, K	A				A	P			
<b>MATHEMATICS</b>										
Ma 001B	4-0-5	Calculus of One and Several Variables and Linear Algebra	01	Zhu, X	MWF 10:00 - 10:55 R 09:00 - 09:55	119 KRK 257 SLN	P			
			02	Zhu, X	MWF 10:00 - 10:55 R 09:00 - 09:55	119 KRK 119 DWN	P			
		<i>Sections 1-7 Practical Track -- Sections 8-12 Analytical Track</i>								

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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 1-7 Practical Track -- Sections 8-12 Analytical Track</i>	03	Zhu, X	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 11 DWN	P			
			04	Zhu, X	MWF 10:00 - 10:55 R 10:00 - 10:55	119 KRK 119 DWN	P			
			05	Zhu, X	MWF 10:00 - 10:55 R 13:00 - 13:55	119 KRK 103 DWN	P			
			07	Zhu, X	MWF 10:00 - 10:55 R 14:00 - 14:55	119 KRK 11 DWN	P			
			08	Mantovan, E	MWF 10:00 - 10:55 R 09:00 - 09:55	22 GTS 11 DWN	P			
			09	Mantovan, E	MWF 10:00 - 10:55 R 10:00 - 10:55	22 GTS 27 GTS	P			
			10	Mantovan, E	MWF 10:00 - 10:55 R 10:00 - 10:55	22 GTS 142 KCK	P			
			11	Mantovan, E	MWF 10:00 - 10:55 R 13:00 - 13:55	22 GTS 102 STL	P			
			12	Mantovan, E	MWF 10:00 - 10:55 R 14:00 - 14:55	22 GTS 102 STL	P			
			Ma 001D	2-0-3	Series	01	Ramakrishnan, D	TR 09:00 - 09:55	151 SLN	
			Ma 003	4-0-5	Introduction to Probability and Statistics	01	Border, K	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 159 SLN	G
						02	Border, K	MWF 10:00 - 10:55 R 09:00 - 09:55	Lecture Hall BAX 153 SLN	G
03	Border, K	MWF 10:00 - 10:55 R 10:00 - 10:55				Lecture Hall BAX 115 BCK	G			
04	Border, K	MWF 10:00 - 10:55 R 10:00 - 10:55				Lecture Hall BAX 101 KRK	G			
05	Border, K	MWF 10:00 - 10:55 R 10:00 - 10:55				Lecture Hall BAX 19 BAX	G			
06	Border, K	MWF 10:00 - 10:55 R 11:00 - 11:55				Lecture Hall BAX 151 SLN	G			



CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 003	4-0-5	Introduction to Probability and Statistics	07	Border, K	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 27 GTS	G
			08	Border, K	MWF 10:00 - 10:55 R 13:00 - 13:55	Lecture Hall BAX 107 DWN	G
			09	Border, K	MWF 10:00 - 10:55 R 14:00 - 14:55	Lecture Hall BAX 27 GTS	G
Ma 005B	3-0-6	Introduction to Abstract Algebra <i>taught concurrently with Ma 105b</i>	01	Mantovan, E	MWF 09:00 - 09:55	151 SLN	
Ma/CS 006B	3-0-6	Introduction to Discrete Mathematics	01	Sheffer, A	MWF 13:00 - 13:55	151 SLN	
Ma 092B	+	Senior Thesis	01	Ramakrishnan, D	A	A	P
			02	Marcolli, M	A	A	P
			03	Markovic, V	A	A	P
Ma 098	+	Independent Reading	01	Marcolli, M	A	A	P
			02	Zhou, G	A	A	P
Ma 103	4-0-5	Introduction to Probability and Statistics	01	Border, K	MWF 10:00 - 10:55	Lecture Hall BAX	G
Ma 105B	3-0-6	Introduction to Abstract Algebra	01	Mantovan, E	MWF 09:00 - 09:55	151 SLN	
Ma 108B	3-0-6	Classical Analysis	01	Katz, N	MWF 11:00 - 11:55	151 SLN	
Ma 109B	3-0-6	Introduction to Geometry and Topology	01	Vafae, F	MWF 10:00 - 10:55	257 SLN	
Ma 110B	3-0-6	Analysis, I	01	Rains, E	MWF 11:00 - 11:55	257 SLN	
Ma 111A	3-0-6	Topics in Analysis	01	Silva, E	MWF 11:00 - 11:55	153 SLN	P
Ma/CS 117B	3-0-6	Computability Theory	01	Marks, A	TR 13:00 - 14:25	151 SLN	

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MATHEMATICS</b>							
Ma 120B	3-0-6	Abstract Algebra	01	Graber, T	MWF 09:00 - 09:55	257 SLN	
Ma 121B	3-0-6	Combinatorial Analysis	01	Rains, E	TR 13:00 - 14:25	257 SLN	
EE/Ma/CS 126B	3-0-6	Information Theory <i>Make-up classes - Friday 080 Moore 10:30-noon</i>	01	Effros, M	MW 10:30 - 11:55	080 MRE	G
Ma 130B	3-0-6	Algebraic Geometry	01	Solis, P	TR 16:00 - 17:25	153 SLN	
Ma/ACM 144A	3-0-6	Probability	01	Rains, E	MWF 13:00 - 13:55	103 DWN	
Ma 145B	3-0-6	Representation Theory	01	Zhu, X	MWF 13:00 - 13:55	159 SLN	
Ma 147B	3-0-6	Dynamical Systems	01	Silva, E	TR 10:30 - 11:55	159 SLN	
Ma 148B	3-0-6	Topics in Mathematical Physics	01	Frank, R	TR 14:30 - 15:55	159 SLN	P
Ma 151B	3-0-6	Algebraic and Differential Topology	01	Vafaee, F	MWF 14:00 - 14:55	153 SLN	
Ma 157B	3-0-6	Riemannian Geometry <i>class cancelled - plans to be offered spring term</i>	01	Staff	A	A	
Ma 160B	3-0-6	Number Theory	01	Hadian-Jazi, M	TR 14:30 - 15:55	153 SLN	
Ma 191B	3-0-6	Selected Topics in Mathematics <i>Sec 1: Topics in low dimensional geometry // Sec 2: Geometrical Paradoxes // Sec 3: Virtual properties of 3-manifolds//Sec 4: Mathematical and Computational Linguistics</i>	01 02 03 04	Markovic, V Kechris, A Liu, Y Marcolli, M	TR 10:30 - 11:55 TR 13:00 - 14:25 TR 13:00 - 14:25 TR 10:30 - 11:55	257 SLN 153 SLN 159 SLN ANB	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	01	Flach, M	A	A	P
			02	Frank, R	A	A	P
			03	Graber, T	A	A	P
			04	Katz, N	A	A	P
			05	Kechris, A	A	A	P
			06	Makarov, N	A	A	P
			07	Mantovan, E	A	A	P
			08	Marcolli, M	A	A	P
			09	Markovic, V	A	A	P
			10	Ni, Y	A	A	P
			11	Rains, E	A	A	P
			12	Ramakrishnan, D	A	A	P
			13	Simon, B	A	A	P
			14	Zhu, X	A	A	P
Ma 390	+	Research	01	Flach, M	A	A	P
			02	Frank, R	A	A	P
			03	Graber, T	A	A	P
			04	Katz, N	A	A	P
			05	Kechris, A	A	A	P
			06	Makarov, N	A	A	P
			07	Mantovan, E	A	A	P
			08	Marcolli, M	A	A	P
			09	Markovic, V	A	A	P
			10	Ni, Y	A	A	P
			11	Rains, E	A	A	P
			12	Ramakrishnan, D	A	A	P
			13	Simon, B	A	A	P
			14	Zhu, X	A	A	P
			15	Desbrun, M	A	A	P
			16	Gukov, S	A	A	P
			17	Preskill, J	A	A	P
<b>MECHANICAL ENGINEERING</b>							

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MECHANICAL ENGINEERING</b>							
EE/ME 007	2-3-1	Introduction to Mechatronics	01	George, G	WF 13:00 - 13:55	070 MRE	P
ME 011B	3-0-6	Thermal Science	01	Hunt, M	MWF 14:00 - 14:55	142 KCK	G
ME 012B	3-0-6	Mechanics	01	Colonus, T / Mello, M	TR 13:00 - 14:25	306 FIR	G
ME 013	0-4-0	Introduction to Mechanical Prototyping	01	Van Deusen, J	OM,T 18:00 - 18:55	024 SPL	P
ME 019A	3-0-6	Fluid Mechanics	01	Colonus, T	TR 10:30 - 11:55	306 FIR	G
ME 072B	1-8-0	Engineering Design Laboratory	01	Mello, M / Van Deusen, J	TR 15:00 - 16:25	269 LAU	G
ME 090B	0-9-0	Senior Thesis, Experimental	01	Colonus, T	A	A	G
ME 100	+	Advanced Work in Mechanical Engineering	01	Colonus, T	A	A	P
			02	Burdick, J	A	A	P
			03	Scherer, A	A	A	P
			04	Phillips, R	A	A	P
			05	Pickar, K	A	A	P
			06	Pickar, K	A	A	P
			07	Tai, Y	A	A	P
			08	Hunt, M	A	A	P
			09	Minnich, A	A	A	P
			10	Rutledge, D	A	A	P
			11	Blanquart, G	A	A	P
Ae/Aph/CE/ME 101B	3-0-6	Fluid Mechanics	01	Shepherd, J	MWF 10:00 - 10:55	101 GUG	
Ae/AM/CE/ME 102B	3-0-6	Mechanics of Structures and Solids	01	Ortiz, M	TR 09:00 - 10:25	101 GUG	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MECHANICAL ENGINEERING</b>							
E/ME 105A	3-2-4	Product Design for the Developing World	01	Pickar, K	TR 14:30 - 15:55	3 BBB	
ME 110	+	Special Laboratory Work in Mechanical Engineering	01	Shepherd, J	A	A	
			02	Scherer, A	A	A	
			03	Ravichandran, G	A	A	
ME 117	3-0-6	Nano-to-Macro Transport Processes	01	Minnich, A	MWF 13:00 - 13:55	110 STL	
Ae/ME 120A	3-0-6	Combustion Fundamentals	01	Blanquart, G	MWF 14:00 - 14:55	102 STL	
ME 130	0-4-0	Introduction to Mechanical Prototyping	01	Van Deusen, J	OM,T 18:00 - 18:55	024 SPL	P
ME/CS 132A	3-6-0	Advanced Robotics: Navigation and Vision <i>updated time</i>	01	Matthies, L	TR 13:00 - 14:25	105 ANB	
AM/CE/ME 150B	1-0-0	Graduate Engineering Seminar	01	Andrade, J	R 11:00 - 11:55	102 STL	P
Ae/Ge/ME 160B	3-0-6	Continuum Mechanics of Fluids and Solids <i>class cancelled</i>	01	Ortiz, M	TR 10:30 - 11:55	202 GUG	G
MS/ME 162	3-0-6	Mechanical Behavior of Materials	01	Greer, J	TR 14:30 - 15:55	155 ARM	
ME 200	+	Advanced Work in Mechanical Engineering	01	Burdick, J	A	A	P
			02	Murray, R	A	A	P
			03	Ravichandran, G	A	A	P
			05	Brady, J	A	A	P
Ae/ME 218	3-0-6	Statistical Mechanics	01	Dimotakis, P	TR 10:30 - 11:55	101 GUG	
Ae/AM/ME 223	3-0-6	Plasticity	01	Andrade, J	TR 13:00 - 14:25	211 KSP	G
Ae/AM/ME 225	3-0-6	Special Topics in Solid Mechanics	01	Clifton, R	MWF 10:00 - 10:55	202 GUG	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MECHANICAL ENGINEERING</b>							
Ae/ACM/ME 232B	3-0-6	Computational Fluid Dynamics	01	Leonard, A / Koumoutsakos, P	MWF 09:00 - 09:55	101 GUG	
Ae/CDS/ME 251A	3-0-6	Closed Loop Flow Control	01	Bodony, D	TR 10:30 - 11:55	202 GUG	
ME/Ge/Ae 266A	3-0-6	Dynamic Fracture and Frictional Faulting	01	Lapusta, N	MW 14:00 - 15:25	215 NMD	
ME 300	+	Research in Mechanical Engineering	01	Blanquart, G	A	A	P
			02	Fultz, B	A	A	P
			03	Burdick, J	A	A	P
			04	Colonus, T	A	A	P
			05	Adkins, J	A	A	P
			06	Hunt, M	A	A	P
			07	Murray, R	A	A	P
			08	Dabiri, J	A	A	P
			09	Bhattacharya, K	A	A	P
			10	Shepherd, J	A	A	P
			11	Andrade, J	A	A	P
			12	Bellan, P	A	A	P
			13	Leonard, A	A	A	P
			14	Ortiz, M	A	A	P
			15	Haile, S	A	A	P
			16	Greer, J	A	A	P
			17	Lapusta, N	A	A	P
			18	Gharib, M	A	A	P
			19	Troian, S	A	A	P
			20	Brady, J	A	A	P
			21	Daraio, C	A	A	P
			22	Dickinson, M	A	A	P
			23	Ravichandran, G	A	A	P
			24	Atwater, H	A	A	P
			25	Adkins, J	A	A	P
			26	Kochmann, D	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MECHANICAL ENGINEERING</b>							
ME 300	+	Research in Mechanical Engineering	27	McKeon, B	A	A	P
			28	Hoffmann, M	A	A	P
			29	Asimaki, D	A	A	P
			30	Minnich, A	A	A	P
			31	van de Walle, A	A	A	P
			32	Scherer, A	A	A	P
<b>MEDICAL ENGINEERING</b>							
MedE 100B	1-0-0	Medical Engineering Seminar	01	Choo, H	R 16:00 - 16:55	105 ANB	P
MedE 201A	3-0-6	Principles and Design of Medical Devices	01	Tai, Y / Choo, H	MW 13:00 - 14:25	080 MRE	G
MedE/BE/Ae 243	3-0-6	Biological Flows: Transport and Circulatory Systems	01	Pahlevan, N	TR 14:30 - 15:55	106 ANB	G
MedE 291	+	Research in Medical Engineering	01	Burdick, J	A	A	P
			02	Choo, H	A	A	P
			03	Dabiri, J	A	A	P
			04	Emami, A	A	A	P
			05	Faraon, A	A	A	P
			06	Gharib, M	A	A	P
			07	Greer, J	A	A	P
			08	Hajimiri, S	A	A	P
			09	Scherer, A	A	A	P
			10	Tai, Y	A	A	P
			11	Yang, C	A	A	P
			12	Chandy, K	A	A	P
			13	Pickar, K	A	A	P
			14	Colonius, T	A	A	P
			15	Grubbs, R	A	A	P
			16	Ismagilov, R	A	A	P
<b>MUSIC</b>							

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>MUSIC</b>							
Mu 138	3-0-6	History II: Music History from 1750 to 1850 <i>Maximum Enrollment: 15 students</i>	01	Neenan, T	MW 14:30 - 15:55	19 BAX	
Mu 140	3-0-6	The Great Orchestras: Their History, Repertoire, and Conductors <i>Maximum Enrollment: 15 students</i>	01	Neenan, T	MW 11:00 - 12:25	19 BAX	
<b>NEUROBIOLOGY</b>							
Bi/CNS/NB 153	3-0-6	Brain Circuits	01	Meister, M	WF 10:30 - 11:55	3 BBB	
Bi/NB/BE 155	3-0-3	Neuropharmacology	01	Lester, H	MW 09:00 - 10:25	024 KRK	G
Bi/CNS/NB 164	3-0-6	Tools of Neurobiology	01	Meister, M	WF 13:00 - 14:25	3 BBB	
Bi/CNS/NB 220	2-0-4	Genetic Dissection of Neural Circuit Function	01	Anderson, D	R 15:00 - 17:55	300 BRD	
CNS/Bi/NB 247	2-0-4	Cerebral Cortex <i>class cancelled</i>	01	Andersen, R	A	A	
<b>PERFORMANCE AND ACTIVITIES</b>							
PA 016B	0-3-0	Cooking Basics <i>Open by lottery only; See link on the REGIS home page to enter lottery prior to Nov 19th //Location: 400 S. Hill</i>	01	Staff	R 18:30 - 21:25	A	P
PA 030B	0-3-0	Guitar <i>Sec 1: Beginning Guitar / Sec 2: Intermediate Guitar / Sec 3: Advanced Guitar</i>	01	Elgart, M	T 16:30 - 17:25	Library AVE	P
			02	Elgart, M	T 15:30 - 16:25	Library AVE	P
			03	Elgart, M	T 17:30 - 18:25	Library AVE	P
PA 031B	0-3-0	Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano four- hands // Sec 3: Guitar Ensemble</i>	01	Bing, D	OM,A	A	P
			02	Ward, R	OM,A	A	P
			03	Elgart, M	OM,A	A	P
PA 032B	0-3-0	Symphony Orchestra	01	Gross, A	T 19:30 - 22:15	Thorne Hall OCCI	P



CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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 033B	0-3-0	Concert Band	01	Bing, W	R 19:30 - 21:15	Ramo Auditorium BAX	P
PA 034B	0-3-0	Jazz Band	01	Catlin, B	M 19:30 - 21:15 M 21:30 - 22:55	Ramo Auditorium BAX Ramo Auditorium BAX	P
PA 035B	0-3-0	Women's Glee Club	01	Sulahian, N	M 19:30 - 21:25 W 17:00 - 17:55	Basement BCK Basement BCK	P
PA 036B	0-3-0	Men's Glee Club	01	Sulahian, N	M 19:30 - 21:25 W 17:00 - 17:55	Basement BCK Basement BCK	P
PA 037B	0-3-0	Chamber Singers	01	Sulahian, N	A	A	P
PA 040B	2-0-1	Theater Arts <i>Section 1 will focus on production // Section 2 will focus on global narratives</i>	01 02	Brophy, B Brophy, B	W 19:30 - 21:55 T 19:00 - 20:25	TCT Classroom NewMedia	P P
PA 061B	0-3-0	Silkscreen and Silk Painting	01	Barry, J	M 19:00 - 21:55	Garage TCT	P
PA 062B	0-3-0	Drawing and Painting	01	Barry, J	T 19:00 - 21:55	Garage TCT	P
PA 063B	0-3-0	Ceramics	01	Freed, S	W 19:00 - 21:55	Ceramic Room POLY	P
<b>PHILOSOPHY</b>							
Hum/P1 008	3-0-6	Right and Wrong <i>Attendance at the first class meeting is required // Maximum enrollment: 15 students per section// Section 2 will meet in 19 Baxter on Tuesday, Jan 27th</i>	01 02	Cowie, F Cowie, F	M 19:00 - 21:55 T 19:00 - 21:55	TR DAB TR DAB	
Hum/P1 009	3-0-6	Knowledge and Reality <i>Attendance at first class meeting is required.//Maximum Enrollment: 15 students per section/</i>	01 02	Hitchcock, C Hitchcock, C	TR 09:00 - 10:25 TR 14:30 - 15:55	125 BAX 125 BAX	

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHILOSOPHY</b>							
PI 090B	1-0-8	Senior Thesis	01	Staff	A	A	
HPS/PI 122	3-0-6	Probability, Evidence, and Belief <i>Maximum enrollment: 15 students</i>	01	Eberhardt, F	TR 10:30 - 11:55	128 BAX	G
HPS/PI 136	3-0-6	Happiness and the Good Life <i>Open by lottery only; See link on the REGIS home page to enter lottery prior to Nov 19th // Maximum enrollment: 15 students</i>	01	Quartz, S	T 13:00 - 15:55	19 BAX	
HPS/H/PI 173	3-0-6	History of Chemistry <i>Maximum enrollment: 15 students</i>	01	Newman, W	W 19:00 - 21:55	115 DAB	G
<b>PHYSICAL EDUCATION</b>							
PE 001	3-0-0	Student Designed Fitness	01	Carter, J	MW 13:00 - 14:25	BAC	P
PE 002	3-0-0	Healthier Living	01	Mahlum, J	MW 14:00 - 15:25	BAC	P
PE 003	3-0-0	Hiking	01	Beemer, P / Raphelson, B	F 11:00 - 14:55	BAC	P
PE 006	3-0-0	Core Training, Beginning/Intermediate <i>class cancelled</i>	01	Leavitt, J	TR 10:00 - 11:25	BAC	P
PE 007	3-0-0	Speed and Agility Training, Intermediate/Advanced	01	Uribe, R	MW 14:30 - 15:55	BAC	P
PE 008	3-0-0	Fitness Training, Beginning	01	Alway, S	TR 13:00 - 14:25	BAC	P
PE 010	3-0-0	Aerobic Dance	01	Waterman, D / Hazen, K	MW 19:00 - 20:25	BAC	P
PE 024	3-0-0	Yoga, Beginning	01	Flynn, K / Alvarado-Orozco, J	TR 20:00 - 21:25	BAC	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICAL EDUCATION</b>							
PE 030	3-0-0	Golf, Beginning, Intermediate, and Advanced <i>class cancelled</i>	01	Eslinger, O	MW 10:00 - 11:25	NOF BAC	P
PE 036	3-0-0	Swimming, Beginning/Intermediate and Advanced	01	Morgan, H	MW 14:00 - 15:25	Pool BRW	P
PE 038	3-0-0	Water Polo <i>class cancelled</i>	01	Beemer, P	MW 11:00 - 12:25	POOL BAC	P
PE 040	3-0-0	Beginning Self Defense <i>class cancelled</i>	01	Marbut, S	TR 10:30 - 11:55	BAC	P
PE 048	3-0-0	T'ai-Chi Ch'uan, Beginning and Intermediate/Advanced	01	Mugglebee, P	M 15:00 - 15:55 R 19:00 - 19:55	BAC BAC	P
PE 054	3-0-0	Racquetball, Beginning and Intermediate/Advanced <i>class cancelled</i>	01	Gardner, T	MW 10:00 - 11:25	BAC	P
PE 056	3-0-0	Squash, Beginning, Intermediate, Advanced	01	Bresanello, S	MW 14:00 - 15:25	BAC	P
PE 060	3-0-0	Tennis, Beginning, Intermediate, and Advanced	01	Uribe, R	MW 13:00 - 14:25	TCT BAC	P
PE 070	3-0-0	Weight Training, Beginning/Intermediate	01	Mark, M	TR 10:00 - 11:25	BAC	P
PE 080B	1-1-1	Health Advocates	01	Stapf, M	W 19:00 - 21:55	YHC	P
PE 081	3-0-0	Bouldering	01	Held, R	TR 09:00 - 10:25	BAC	P
PE 082	3-0-0	Rock Climbing, Beginning and Intermediate	01	Held, R	TR 11:00 - 12:25	BAC	P
PE 083B	3-0-0	Intercollegiate Basketball Team (Women)	01	Marbut, S	MTWRFS 16:00 - 17:55	BAC	P
PE 084	3-0-0	Table Tennis, Beginning, Intermediate, and Advanced	01	Gamble, M	MW 10:30 - 11:55	BRW	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICAL EDUCATION</b>							
PE 085A	3-0-0	Intercollegiate Track and Field Team (Men and Women)	01	Raphelson, B	MTWRFS 16:00 - 17:55	BAC	P
PE 087B	3-0-0	Intercollegiate Swimming Team (Men and Women)	01	Leavitt, J	MTWRFS 16:00 - 17:55	POOL BRN	P
PE 089B	3-0-0	Intercollegiate Fencing Team (Men and Women)	01	Corbit, C	MTWRFS 16:00 - 17:55	BRW	P
PE 090B	3-0-0	Intercollegiate Water Polo Team (Men and Women)	01	Beemer, P	MTWRFS 16:00 - 17:55	POOL BAC	P
PE 091B	3-0-0	Intercollegiate Basketball Team (Men)	01	Eslinger, O	MTWRFS 16:00 - 17:55	BAC	P
PE 093A	3-0-0	Intercollegiate Baseball Team (Men)	01	Mark, M	MTWRFS 16:00 - 17:55	BAC	P
PE 095A	3-0-0	Intercollegiate Tennis Team (Men)	01	Gamble, M	MTWRFS 16:00 - 17:55	TCT BAC	P
PE 096A	3-0-0	Intercollegiate Tennis Team (Women)	01	Gamble, M	MTWRFS 16:00 - 17:55	TCT BAC	P
<b>PHYSICS</b>							
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	01	Filippone, B	F 15:00 - 15:55 MWR 13:00 - 13:55	201 BRG 119 DWN	P
			02	Filippone, B	F 15:00 - 15:55 MR 15:00 - 15:55 W 11:00 - 11:55	201 BRG 11 DWN 11 DWN	P
			03	Filippone, B	F 15:00 - 15:55 MWR 15:00 - 15:55	201 BRG 103 DWN	P
			04	Filippone, B	F 15:00 - 15:55 MR 15:00 - 15:55 W 11:00 - 11:55	201 BRG 27 GTS 27 GTS	P
			05	Filippone, B	F 15:00 - 15:55 MWR 15:00 - 15:55	201 BRG 22 GTS	P

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 001B	4-0-5	Classical Mechanics and Electromagnetism <i>Practical Track- Sections 1-5 // Analytical Track - Sections 6-10//Maximum Enrollment: 35 students per section</i>	06	Hsieh, D	WF 11:00 - 11:55	201 BRG	P
			07	Hsieh, D	MR 15:00 - 15:55	119 KRK	P
			08	Hsieh, D	WF 11:00 - 11:55	201 BRG	P
			09	Hsieh, D	MR 13:00 - 13:55	142 KCK	P
			10	Hsieh, D	WF 11:00 - 11:55	201 BRG	P
			10	Hsieh, D	MR 15:00 - 15:55	102 STL	P
Ph 002B	4-0-5	Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i>	01	Martin, C / Cheung, C	T 11:00 - 11:55	201 BRG	G
			01	Martin, C / Cheung, C	WF 09:00 - 09:55	11 DWN	G
			01	Martin, C / Cheung, C	R 11:00 - 11:55	269 LAU	G
			02	Martin, C / Cheung, C	T 11:00 - 11:55	201 BRG	G
			02	Martin, C / Cheung, C	WF 11:00 - 11:55	103 DWN	G
			02	Martin, C / Cheung, C	R 11:00 - 11:55	269 LAU	G
			03	Martin, C / Cheung, C	T 11:00 - 11:55	201 BRG	G
			03	Martin, C / Cheung, C	WF 14:00 - 14:55	103 DWN	G
			03	Martin, C / Cheung, C	R 11:00 - 11:55	269 LAU	G
			04	Martin, C / Cheung, C	T 11:00 - 11:55	201 BRG	G
			04	Martin, C / Cheung, C	WF 13:00 - 13:55	102 STL	G
			04	Martin, C / Cheung, C	R 11:00 - 11:55	269 LAU	G
Ph 003	0-3-3	Physics Laboratory <i>Maximum enrollment: 18 students per section</i>	01	Libbrecht, K / Black, E	W 13:00 - 15:55	308 BRG	
			01	Libbrecht, K / Black, E	OM,M 14:00 - 14:55	201 BRG	
			02	Black, E / Libbrecht, K	R 13:00 - 15:55	308 BRG	
			02	Black, E / Libbrecht, K	OM,M 14:00 - 14:55	201 BRG	
			03	Libbrecht, K / Black, E	F 13:00 - 15:55	308 BRG	
			03	Libbrecht, K / Black, E	F 13:00 - 15:55	308 BRG	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 003	0-3-3	Physics Laboratory <i>Maximum enrollment: 18 students per section</i>	03	Libbrecht, K / Black, E	OM,M 14:00 - 14:55	201 BRG	
Ph 006	0-9-0	Physics Laboratory	01	Rice, F / Politzer, H	OM,T 15:00 - 15:55	201 BRG	
Ph 008B	0-3-0	Experiments in Electromagnetism <i>Maximum enrollment: 13 students</i>	01	Spiropulu, M	OM,M 15:00 - 15:55	201 BRG	P
FS/Ph 011B	2-0-4	Freshman Seminar: Research Tutorial	01	Stevenson, D	A	201 SLN	P
Ph 012B	4-0-5	Waves, Quantum Physics, and Statistical Mechanics	01	Weinstein, A	T 10:30 - 11:55 R 10:30 - 11:55	269 LAU 201 BRG	G
FS/Ph 015	2-0-4	Freshman Seminar: Dance of the Photons <i>Open to freshmen only // Maximum enrollment: 12 students</i>	01	Pine, J	T 14:00 - 15:55	248 LAU	P
Ph 020	0-6-0	Computational Physics Laboratory I	01	Mach, C / Prince, T	OM,M 15:00 - 15:55	304 BRG	P
Ph 021	0-6-0	Computational Physics Laboratory II	01	Mach, C / Prince, T	OM,M 15:00 - 15:55	304 BRG	P
Ph 022	0-6-0	Computational Physics Laboratory III	01	Mach, C / Prince, T	OM,M 15:00 - 15:55	304 BRG	P
Ph 050B	1-0-3	Caltech Physics League	01	Refael, G	A	A	
Ph 077A	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 077B	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 077C	0-5-4	Advanced Physics Laboratory	01	Black, E / Libbrecht, K	OM,M 15:00 - 15:55	210 BRG	
Ph 078B	+	Senior Thesis Experimental	01	Stone, E	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 079B	+	Senior Thesis Theoretical	01	Stone, E	A	A	P
Ph 106B	3-0-6	Topics in Classical Physics	01	Phinney, E / Golwala, S	TR 10:30 - 11:55	107 DWN	
APh/Ph 115	3-0-9	Physics of Momentum Transport in Hydrodynamic Systems <i>Make-up classes/movies Fridays 104 Watson 1-2:25pm</i>	01	Troian, S	TR 13:00 - 14:25	104 WAT	
Ph/APh/EE/BE 118B	3-0-6	Physics of Measurement	01	Roukes, M	TR 14:30 - 15:55	107 DWN	
Ph 125B	3-0-6	Quantum Mechanics	01	Chen, Y	MWF 10:00 - 10:55	107 DWN	
Ph 127B	3-0-6	Statistical Physics	01	Refael, G	MWF 09:00 - 09:55	107 DWN	
Ph 129B	3-0-6	Mathematical Methods of Physics	01	Porter, F	TR 09:00 - 10:25	107 DWN	
Ph 135B	3-0-6	Applications of Quantum Mechanics <i>taught concurrently with APh150</i>	01	Kimble, H	TR 14:30 - 15:55	104 WAT	
Ph 136B	3-0-6	Applications of Classical Physics	01	Ott, C	MW 14:30 - 15:55	269 LAU	
Ph 171	+	Reading and Independent Study	01	Wilson, R	A	A	P
			02	Carroll, S	A	A	P
			03	Cross, M	A	A	P
			04	Refael, G	A	A	P
			05	Kapustin, A	A	A	P
			06	Yeh, N	A	A	P
			07	Wise, M	A	A	P
			08	Schwarz, J	A	A	P
			09	Phinney, E	A	A	P
			10	Motrunich, O	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	11	Phillips, R	A	A	P
			12	Simon, B	A	A	P
			13	Cheung, C	A	A	P
			14	Troian, S	A	A	P
			15	Chen, X	A	A	P
			19	Libbrecht, K	A	A	P
			22	Gukov, S	A	A	P
			24	Oguri, H	A	A	P
			28	Politzer, H	A	A	P
			29	Porter, F	A	A	P
			30	Preskill, J	A	A	P
			39	Thorne, K	A	A	P
			40	Weinstein, A	A	A	P
			41	Golwala, S	A	A	P
42	Alicea, J	A	A	P			
Ph 172	+	Research in Experimental Physics	01	Okumura, M	A	A	P
			02	Patterson, R	A	A	P
			03	Flagan, R	A	A	P
			04	Bellan, P	A	A	P
			05	Eisenstein, J	A	A	P
			06	Filippone, B	A	A	P
			07	Scherer, A	A	A	P
			08	Readhead, A	A	A	P
			09	Fraser, S	A	A	P
			10	Adhikari, R	A	A	P
			11	Harrison, F	A	A	P
			12	Hitlin, D	A	A	P
			13	Pine, J	A	A	P
			14	Heath, J	A	A	P
			15	Painter, O	A	A	P
			16	Kimble, H	A	A	P
			17	Prince, T	A	A	P
			18	Troian, S	A	A	P



CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 172	+	Research in Experimental Physics	19	Libbrecht, K	A	A	P
			20	Bock, J	A	A	P
			21	Martin, C	A	A	P
			22	Atwater, H	A	A	P
			23	Ellis, R	A	A	P
			24	Stone, E	A	A	P
			25	Hsieh, D	A	A	P
			29	Porter, F	A	A	P
			30	Winfrey, E	A	A	P
			34	Roukes, M	A	A	P
			41	Phillips, R	A	A	P
			42	Weinstein, A	A	A	P
			44	Yeh, N	A	A	P
			45	Hoffmann, M	A	A	P
			46	Zmuidzinas, J	A	A	P
48	Zewail, A	A	A	P			
49	Newman, H	A	A	P			
50	Golwala, S	A	A	P			
51	Spiropulu, M	A	A	P			
52	Schwab, K	A	A	P			
53	Haile, S	A	A	P			
Ph 173	+	Research in Theoretical Physics	01	Libbrecht, K	A	A	P
			02	Filippone, B	A	A	P
			03	Refael, G	A	A	P
			04	Goddard, W	A	A	P
			05	Carroll, S	A	A	P
			06	Marcus, R	A	A	P
			07	Alicea, J	A	A	P
			08	Chen, Y	A	A	P
			09	Cross, M	A	A	P
			10	Gukov, S	A	A	P
			11	Simon, B	A	A	P
			12	Ott, C	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	13	Zewail, A	A	A	P
			14	Cheung, C	A	A	P
			15	Kapustin, A	A	A	P
			16	Schwarz, J	A	A	P
			17	Prince, T	A	A	P
			18	Hirata, C	A	A	P
			19	Motrunich, O	A	A	P
			20	Atwater, H	A	A	P
			21	Scheel, M	A	A	P
			22	Hopkins, P	A	A	P
			23	Troian, S	A	A	P
			24	Oguri, H	A	A	P
			25	Phinney, E	A	A	P
			26	Stevenson, D	A	A	P
			27	Yue, Y	A	A	P
			28	Chen, X	A	A	P
			30	Preskill, J	A	A	P
			33	Kitaev, A	A	A	P
			39	Thorne, K	A	A	P
			43	Wise, M	A	A	P
50	Phillips, R	A	A	P			
51	Porter, F	A	A	P			
52	Scheel, M	A	A	P			
Ph 205B	3-0-6	Relativistic Quantum Field Theory	01	Wise, M	MW 10:30 - 11:55	269 LAU	P
Ph/CS 219A	3-0-6	Quantum Computation	01	Kitaev, A	TR 14:30 - 15:55	469 LAU	P
Ph/APh 223A	3-0-6	Advanced Condensed-Matter Physics	01	Alicea, J	TR 13:00 - 14:25	269 LAU	
Ph 229B	3-0-6	Advanced Mathematical Methods of Physics	01	Oguri, H	R 20:00 - 21:25	269 LAU	

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>PHYSICS</b>							
Ph 236B	3-0-6	Relativity	01	Scheel, M	MW 13:00 - 14:25	107 DWN	P
Ph 242B	2-0-1	Physics Seminar	01	Stone, E	F 12:00 - 13:55	114 BRG	P
Ph 250B	3-0-6	Introduction to String Theory	01	Gukov, S	MW 09:00 - 10:25	469 LAU	
Ph 300	+	Thesis Research	01	Adhikari, R	A	A	P
			02	Desbrun, M	A	A	P
			03	Cross, M	A	A	P
			04	Zmuidzinas, J	A	A	P
			05	Eisenstein, J	A	A	P
			06	Filippone, B	A	A	P
			07	Harrison, F	A	A	P
			08	Phillips, T	A	A	P
			09	Daraio, C	A	A	P
			10	Barish, B	A	A	P
			11	Golwala, S	A	A	P
			12	Hitlin, D	A	A	P
			13	Martin, C	A	A	P
			14	Goddard, W	A	A	P
			15	Kapustin, A	A	A	P
			16	Kimble, H	A	A	P
			17	Lester, H	A	A	P
			18	Readhead, A	A	A	P
			19	Weinstein, A	A	A	P
			20	Libbrecht, K	A	A	P
			21	Hirata, C	A	A	P
			22	Troian, S	A	A	P
			23	McKeown, R	A	A	P
			24	Newman, H	A	A	P
			25	Oguri, H	A	A	P
			26	Ellis, R	A	A	P

CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15

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	27	Phillips, R	A	A	P
			28	Pine, J	A	A	P
			29	Kitaev, A	A	A	P
			30	Porter, F	A	A	P
			31	Preskill, J	A	A	P
			32	Marcolli, M	A	A	P
			33	Wilson, R	A	A	P
			34	Bellan, P	A	A	P
			35	Roukes, M	A	A	P
			36	Refael, G	A	A	P
			37	Schwarz, J	A	A	P
			38	Atwater, H	A	A	P
			39	Stone, E	A	A	P
			40	Painter, O	A	A	P
			41	Zewail, A	A	A	P
			42	Marcus, R	A	A	P
			43	Wise, M	A	A	P
			44	Yeh, N	A	A	P
			45	Gharib, M	A	A	P
			46	Prince, T	A	A	P
			47	Kennedy, M	A	A	P
			48	Thorne, K	A	A	P
			50	Chen, Y	A	A	P
			51	Spiropulu, M	A	A	P
			52	Gukov, S	A	A	P
			53	Fraser, S	A	A	P
			54	Phinney, E	A	A	P
			55	Heath, J	A	A	P
			58	Ott, C	A	A	P
			59	Winfree, E	A	A	P
			60	Schwab, K	A	A	P
			61	Motrunich, O	A	A	P
			62	Bock, J	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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	63	Carroll, S	A	A	P
<b>POLITICAL SCIENCE</b>							
PS 097	+	Undergraduate Research	01	Alvarez, R	A	A	P
PS 099B	3-0-6	Political Science Research Seminar <i>Designated as Writing Intensive Course</i>	01	Ordeshook, P	A	A	
PS 123	3-0-6	Regulation and Politics <i>Maximum enrollment: 55 students</i>	01	Kiewiet, D	TR 14:30 - 15:55	24 BBB	G
An/PS 127	3-0-6	Corruption <i>Maximum enrollment: 15 students</i>	01	Ensminger, J	MW 14:30 - 15:55	127 BAX	G
PS/SS 139	3-0-6	Comparative Politics <i>Maximum enrollment: 55 students</i>	01	Ordeshook, P	TR 10:30 - 11:55	25 BAX	G
Law/PS/H 148A	3-0-6	The Supreme Court in U.S. History <i>Maximum enrollment: 30 students // Writing Intensive Course</i>	01	Kousser, J	T 19:30 - 22:25	125 BAX	G
Ec/PS 160B	3-3-3	Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260// Completion of Ec/PS 160A required for b and c classes //Max of 10 students for both Ec 160 &amp; SS 260</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
PS/Ec 172	3-0-6	Game Theory	01	Elliott, M	MW 09:00 - 10:25	25 BAX	
<b>PSYCHOLOGY</b>							
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
<b>SOCIAL SCIENCE</b>							
BEM/Ec/SS 020	2-0-4	Scientific Writing and Oral Presentation in the Social Sciences	01	Yariv, L / Daley, C	W 14:00 - 15:55	115 DAB	G

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>SOCIAL SCIENCE</b>							
BEM/Ec/SS 020	2-0-4	Scientific Writing and Oral Presentation in the Social Sciences <i>Maximum enrollment: 10 students</i>					
SS 098	+	Reading in Social Science	01	Allman, J	A	A	P
CNS/SS/Psy/Bi 102A	3-0-6	Brains, Minds, and Society	01	Adolphs, R / O'Doherty, J	MW 14:30 - 15:55	100 - Rock Auditorium BRD	
Ec/SS 124	3-0-6	Identification Problems in the Social Sciences	01	Sherman, R	TR 10:30 - 11:55	127 BAX	
PS/SS 139	3-0-6	Comparative Politics <i>Maximum enrollment: 55 students</i>	01	Ordeshook, P	TR 10:30 - 11:55	25 BAX	G
SS 201B	3-0-6	Analytical Foundations of Social Science <i>Open to Social Science graduate students only</i>	01	Elliott, M	MW 13:00 - 14:25	228 BAX	G
SS 202B	3-0-6	Political Theory <i>Open to Social Science graduate students only</i>	01	Snowberg, E	MW 10:30 - 11:55	128 BAX	G
SS 205B	3-0-6	Foundations of Economics <i>Open to Social Science graduate students only.</i>	01	Echenique, F	MWF 09:00 - 09:55	125 BAX	G
SS 210B	3-0-6	Foundations of Political Economy	01	Yariv, L	MW 10:30 - 11:55	125 BAX	G
SS 211B	3-0-6	Advanced Economic Theory	01	Saito, K	F 10:30 - 11:55 F 13:00 - 14:25	128 BAX 128 BAX	G
SS 222B	3-0-6	Econometrics <i>Open to graduate students only.</i>	01	Gillen, B	TR 10:30 - 11:55	125 BAX	G
SS 227	3-0-6	Identification Problems in the Social Sciences	01	Ewens, M	TR 13:00 - 14:25	33 BAX	
SS 229B	3-0-6	Theoretical and Quantitative Dimensions of Historical Development	01	Hoffman, P	F 09:00 - 11:55	128 BAX	G
SS 232A	3-0-6	Historical and Comparative Perspectives in Political Analysis	01	Snowberg, E	M 19:00 - 21:55	125 BAX	G

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**OFFICE OF THE REGISTRAR**  
**Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>SOCIAL SCIENCE</b>							
CNS/SS 251	2-1-6	Human Brain Mapping: Theory and Practice <i>Maximum enrollment: 20 students</i>	01	O'Doherty, J	R 13:30 - 15:25	67 BRD	G
SS 260	3-3-3	Experimental Methods of Political Economy <i>Taught concurrently with Ec/PS 160B //</i> <i>Maximum 10 students for both Ec 160 &amp; SS 260</i> <i>//sec a required for secs b &amp; c</i>	01	Plott, C	TR 09:00 - 10:25	127 BAX	G
SS 282B	2-0-1	Graduate Proseminar in Social Science	01	Echenique, F	M 13:00 - 14:25	125 BAX	P
SS 300	+	Research in Social Science	01	Adolphs, R	A	A	P
			02	Palfrey, T	A	A	P
			03	Gillen, B	A	A	P
			04	O'Doherty, J	A	A	P
			05	Bossaerts, P	A	A	P
			06	Katz, J	A	A	P
			07	Kiewiet, D	A	A	P
			08	Echenique, F	A	A	P
			09	Ledyard, J	A	A	P
			10	Plott, C	A	A	P
			11	Alvarez, R	A	A	P
			12	Camerer, C	A	A	P
			13	Border, K	A	A	P
			14	Cvitanic, J	A	A	P
			15	Snowberg, E	A	A	P
			16	Rosenthal, J	A	A	P
			18	Shum, M	A	A	P
			19	Rangel, A	A	A	P
			20	Yariv, L	A	A	P
			21	Perona, P	A	A	P
			23	Hoffman, P	A	A	P
			24	O'Doherty, J	A	A	P
			25	O'Doherty, J	A	A	P
			26	Lester, H	A	A	P

**CALIFORNIA INSTITUTE OF TECHNOLOGY  
OFFICE OF THE REGISTRAR  
Course Schedule WI 2014-15**

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

Course Offering	Units	Offering Title	Section	Instructor	Days/Time	Location	Grade Scheme
<b>STUDY ABROAD</b>							
CAM100	36-0-0	Cambridge Scholars Program	01	Staff	A	A	P
CPH100	36-0-0	Copenhagen Scholars Program	01	Staff	A	A	P
UCL100	36-0-0	University College London Scholars Program	01	Staff	A	A	P
EDN100	36-0-0	University of Edinburgh Scholars Program	01	Staff	A	A	P
<b>WRITING</b>							
Wr 003	+	Reading and Composing Academic Writing <i>Class is taught as individually scheduled meetings</i>	01	Daley, C	A	A	P
Wr 004	1-0-2	Principles and Practices of Academic Writing	01	Hall, S	R 16:00 - 16:55	352 CSS	P
Wr 050	+	Tutorial in Writing	01	Hall, S	A	A	P