

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 | OCCI | Occidental College |
| BRG | Bridge Laboratory of Physics | POLY | Polytechnic School |
| BRN | Braun Laboratory | PR | Public Relations |
| BRW | Brown Gym | PWL/BTH | Powell/Booth Laboratory |
| CHL | Cahill Center for Astronomy and Astrophysics | ROB | Robinson Laboratory of Astrophysics |
| CHR | Church Laboratory of Chemical Biology | SAC | Student Activities Center |
| CRL | Crellin Chemistry Laboratory | SCH | Schlinger Laboratory |
| DAB | Dabney Hall of Humanities | SFL | Sherman Fairchild Library |
| DWN | Downs Physics Laboratory | SLN | Sloan Laboratory of Mathematics and Physics |
| FIR | Firestone Flight Science Laboratory | SMD | South Mudd Building of Geophysics and Planetary Sciences |
| FLM | Fleming House | SPL | Spalding Laboratory of Chemical Engineering |
| GTS | Gates Chemical Laboratory | STL | Steele Laboratory of Electrical Engineering |
| GUG | Guggenheim Laboratory | STUD | Center for Student Services |
| JRG | Jorgensen Laboratory for Information Science | 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 |

GRADING SCHEME

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

TIMES/LOCATION/UNITS

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

DAYS OF THE WEEK

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

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------|-------|--|---------|-------------------------------------|------------------------------------|--------------------|--------------|
| AEROSPACE | | | | | | | |
| Ae 100 | + | Research in Aerospace | 01 | Culick, F | A | A | P |
| | | | 02 | McKeon, B | A | A | P |
| | | | 03 | Dabiri, J | A | A | P |
| | | | 04 | Leonard, A | A | A | P |
| | | | 05 | Pellegrino, S | A | A | P |
| | | | 06 | Blanquart, G | A | A | P |
| | | | 07 | Shepherd, J | A | A | P |
| | | | 08 | Gharib, M | A | A | P |
| | | | 09 | Meiron, D | A | A | P |
| Ae/APh/CE/ME 101A | 3-0-6 | Fluid Mechanics | 01 | Colonus, T | MWF 10:00 - 10:55 | 206 TOM | |
| Ae/AM/CE/ME 102A | 3-0-6 | Mechanics of Structures and Solids <i>taught concurrently with Ae/ME 160A</i> | 01 | Kochmann, D | TR 14:30 - 15:55 | 101 GUG | G |
| Ae/APh 104A | 3-0-6 | Experimental Methods | 01 | McKeon, B | TR 10:30 - 11:55 | 202 GUG | |
| Ae 105A | 3-0-6 | Aerospace Engineering | 01 | Davis, G / Freeman, A / Baker, J | TR 16:00 - 17:25 | 306 FIR | G |
| Ae 121A | 3-0-6 | Space Propulsion | 01 | Polk, J | OM,T 13:00 - 13:55 | 306 FIR | |
| Ae 150A | 1-0-0 | Aerospace Engineering Seminar | 01 | McKeon, B | M 13:00 - 13:55 | 101 GUG | P |
| EE/Ae 157A | 3-0-6 | Introduction to the Physics of Remote Sensing | 01 | van Zyl, J | M 14:30 - 15:55 R 13:00 - 14:25 | 104 WAT 104 WAT | |
| Ae/Ge/ME 160A | 3-0-6 | Continuum Mechanics of Fluids and Solids <i>updated class time</i> | 01 | Kochmann, D | TR 14:30 - 15:55 | 101 GUG | G |
| Ae 200 | + | Advanced Research in Aerospace | 01 | Bhattacharya, K | A | A | P |
| | | | 02 | McKeon, B | A | A | P |
| | | | 03 | Blake, G | A | A | P |
| | | | 04 | Dimotakis, P | A | A | P |
| | | | 05 | Gharib, M | A | A | P |

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| AEROSPACE | | | | | | | | | | |
| Ae 200 | + | Advanced Research in Aerospace | 06 | Hornung, H | A | A | P | | | |
| | | | 07 | Leonard, A | A | A | P | | | |
| | | | 08 | Daraio, C | A | A | P | | | |
| | | | 09 | Ortiz, M | A | A | P | | | |
| | | | 10 | Pellegrino, S | A | A | P | | | |
| | | | 11 | Pullin, D | A | A | P | | | |
| | | | 12 | Ravichandran, G | A | A | P | | | |
| | | | 13 | Rosakis, A | A | A | P | | | |
| | | | 14 | Dabiri, J | A | A | P | | | |
| | | | 15 | Colonius, T | A | A | P | | | |
| | | | 16 | Shepherd, J | A | A | P | | | |
| | | | 17 | Blanquart, G | A | A | P | | | |
| | | | 18 | Lapusta, N | A | A | P | | | |
| | | | 19 | Troian, S | A | A | P | | | |
| | | | 20 | Schneider, T | A | A | P | | | |
| | | | 21 | Greer, J | A | A | P | | | |
| | | | 22 | Andrade, J | A | A | P | | | |
| | | | 23 | Kochmann, D | A | A | P | | | |
| | | | 24 | Gurnis, M | A | A | P | | | |
| | | | 25 | Minnich, A | A | A | P | | | |
| | | | 26 | Johnson, J | A | A | P | | | |
| | | | Ae 201A | 3-0-6 | Advanced Fluid Mechanics | 01 | Pullin, D | TR 09:00 - 10:25 | 306 FIR | |
| | | | Ae 208A | 1-0-0 | GALCIT Colloquium | 01 | Dabiri, J / Kochmann, D | F 15:00 - 15:55 | 101 GUG | P |
| | | | Ae/AM/MS/ME 213 | 3-0-6 | Mechanics and Materials Aspects of Fracture | 01 | Gdoutos, E | OM,T 14:00 - 14:55 | 306 FIR | |
| | | | Ae 240 | + | Special Topics in Fluid Mechanics | 01 | McKeon, B | A | A | P |
| | | | ANTHROPOLOGY | | | | | | | |

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| ANTHROPOLOGY | | | | | | | |
| An 097 | + | Undergraduate Research | 01 | Staff | A | A | P |
| H/An 123 | 3-0-6 | Anthropological Demography <i>Open by lottery only - See REGIS home page for details // Maximum enrollment: 15 students</i> | 01 | Jennings, J | TR 14:30 - 15:55 | 110 STL | G |
| APPLIED & COMPUTATIONAL MATH | | | | | | | |
| ACM095A | 4-0-8 | Introductory Methods of Applied Mathematics | 01 | Pierce, N | MWF 11:00 - 11:55 W 09:00 - 09:55 | 119 KRK 314 ANB | |
| | | | 02 | Pierce, N | MWF 11:00 - 11:55 R 16:00 - 16:55 | 119 KRK 119 DWN | |
| | | | 03 | Pierce, N | MWF 11:00 - 11:55 R 09:00 - 09:55 | 119 KRK House STL | |
| | | | 04 | Pierce, N | MWF 11:00 - 11:55 W 15:00 - 15:55 | 119 KRK 103 DWN | |
| | | | 05 | Pierce, N | MWF 11:00 - 11:55 T 11:00 - 11:55 | 119 KRK 11 DWN | |
| | | | 06 | Pierce, N | MWF 11:00 - 11:55 T 13:00 - 13:55 | 119 KRK 57 BRG | |
| | | | 07 | Pierce, N | MWF 11:00 - 11:55 W 19:00 - 19:55 | 119 KRK 102 STL | |
| | | | 08 | Pierce, N | MWF 11:00 - 11:55 M 14:00 - 14:55 | 119 KRK House STL | |
| | | | 09 | Pierce, N | MWF 11:00 - 11:55 T 14:00 - 14:55 | 119 KRK House STL | |
| | | | 10 | Pierce, N | MWF 11:00 - 11:55 W 13:00 - 13:55 | 119 KRK 107 ANB | |
| | | | 11 | Pierce, N | MWF 11:00 - 11:55 W 19:00 - 19:55 | 119 KRK 102 STL | |
| | | | 12 | Pierce, N | MWF 11:00 - 11:55 | 119 KRK | |
| ACM100A | 4-0-8 | Introductory Methods of Applied Mathematics | 01 | Pierce, N | MWF 11:00 - 11:55 W 09:00 - 09:55 | 119 KRK 314 ANB | |
| | | | 02 | Pierce, N | MWF 11:00 - 11:55 | 119 KRK | |

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|---|-------|--|-----------|------------|-------------------|-----------|--------------|
| APPLIED & COMPUTATIONAL MATH | | | | | | | |
| ACM100A | 4-0-8 | Introductory Methods of Applied Mathematics | 02 | Pierce, N | R 16:00 - 16:55 | 119 DWN | |
| | | | 03 | Pierce, N | MWF 11:00 - 11:55 | 119 KRK | |
| | | | | | R 09:00 - 09:55 | House STL | |
| | | | 04 | Pierce, N | MWF 11:00 - 11:55 | 119 KRK | |
| | | | | | W 15:00 - 15:55 | 103 DWN | |
| | | | 05 | Pierce, N | MWF 11:00 - 11:55 | 119 KRK | |
| | | | | | T 11:00 - 11:55 | 11 DWN | |
| | | | 06 | Pierce, N | MWF 11:00 - 11:55 | 119 KRK | |
| | | | | | T 13:00 - 13:55 | 57 BRG | |
| | | | 07 | Pierce, N | MWF 11:00 - 11:55 | 119 KRK | |
| | | | | | W 19:00 - 19:55 | 102 STL | |
| | | | | | M 14:00 - 14:55 | House STL | |
| | | MWF 11:00 - 11:55 | 119 KRK | | | | |
| | | T 14:00 - 14:55 | House STL | | | | |
| | | MWF 11:00 - 11:55 | 119 KRK | | | | |
| | | W 13:00 - 13:55 | 107 ANB | | | | |
| | | MWF 11:00 - 11:55 | 119 KRK | | | | |
| | | W 19:00 - 19:55 | 102 STL | | | | |
| | | MWF 11:00 - 11:55 | 119 KRK | | | | |
| ACM101A | 3-0-6 | Methods of Applied Mathematics I <i>change in class times</i> | 01 | Bruno, O | TR 14:30 - 15:55 | 213 ANB | |
| ACM104 | 3-0-6 | Linear Algebra and Applied Operator Theory <i>taught concurrently with AM 125A & CDS201</i> | 01 | Beck, J | TR 10:30 - 11:55 | 105 ANB | |
| ACM106A | 3-0-6 | Introductory Methods of Computational Mathematics | 01 | Ames, B | TR 13:00 - 14:25 | 105 ANB | |
| ACM/EE 116 | 3-0-6 | Introduction to Stochastic Processes and Modeling <i>change in class time</i> | 01 | Owhadi, H | TR 09:00 - 10:25 | 105 ANB | |
| Ma/ACM 142 | 3-0-6 | Ordinary and Partial Differential Equations | 01 | Frank, R | MWF 10:00 - 10:55 | 159 SLN | |

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| APPLIED & COMPUTATIONAL MATH | | | | | | | |
| Ma/ACM 144A | 3-0-6 | Probability | 01 | Alberts, T | TR 10:30 - 11:55 | 153 SLN | |
| ACM190 | + | Reading and Independent Study | 01 | Hou, Y | A | A | P |
| | | | 02 | Hassibi, B | A | A | P |
| | | | 03 | Espanol, M | A | A | P |
| | | | 04 | Heaton, T | A | A | P |
| | | | 05 | Owhadi, H | A | A | P |
| ACM217 | 3-0-6 | Advanced Topics in Stochastic Analysis <i>Permission of the instructor will be required //</i> <i>Maximum enrollment: 28 students</i> | 01 | Tropp, J | MW 14:30 - 15:55 | 213 ANB | G |
| ACM290 | 1-0-0 | Applied and Computational Mathematics Colloquium <i>open to graduate students only</i> | 01 | Chandrasekaran, V | M 16:15 - 16:55 | 105 ANB | P |
| 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 |
| | | | 06 | Meiron, D | A | A | P |
| | | | 07 | Pierce, N | A | A | P |
| | | | 08 | Schroeder, P | A | A | P |
| | | | 09 | Owhadi, H | A | A | P |
| | | | 10 | Tropp, J | A | A | P |
| | | | 11 | Ho, T | A | A | P |
| | | | 12 | Hassibi, B | A | A | P |
| | | | APPLIED MECHANICS | | | | |
| Ae/AM/CE/ME 102A | 3-0-6 | Mechanics of Structures and Solids <i>taught concurrently with Ae/ME 160A</i> | 01 | Kochmann, D | TR 14:30 - 15:55 | 101 GUG | G |
| AM 125A | 3-0-6 | Engineering Mathematical Principles <i>taught concurrently with ACM104 & CDS201</i> | 01 | Beck, J | TR 10:30 - 11:55 | 105 ANB | G |
| AM/CE/ME 150A | 1-0-0 | Graduate Engineering Seminar | 01 | Andrade, J | A | A | P |

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| APPLIED MECHANICS | | | | | | | |
| AM/CE 151A | 3-0-6 | Dynamics and Vibration <i>taught concurrently with ME 66</i> | 01 | Heaton, T | MWF 10:00 - 10:55 | 306 TOM | G |
| AM 200 | + | Special Problems in Advanced Mechanics | 01 | Staff | A | A | P |
| Ae/AM/MS/ME 213 | 3-0-6 | Mechanics and Materials Aspects of Fracture | 01 | Gdoutos, E | OM,T 14:00 - 14:55 | 306 FIR | |
| 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 |
| APPLIED PHYSICS | | | | | | | |
| APh/EE 009A | 2-2-2 | Solid-State Electronics for Integrated Circuits | 01 | Scherer, A / Potter, K | TR 13:00 - 13:55 | 070 MRE | |
| APh078A | 0-9-0 | Senior Thesis, Experimental | 01 | Painter, O | A | A | G |
| | | | 02 | Vahala, K | A | A | G |
| | | | 03 | Atwater, H | A | A | G |
| | | | 04 | Scherer, A | A | A | G |
| | | | 05 | Bellan, P | A | A | G |
| | | | 06 | Phillips, R | A | A | G |
| | | | 07 | Troian, S | A | A | G |
| | | | 09 | Lewis, N | A | A | G |
| | | | 10 | Yung, Y | A | A | G |
| APh079A | 0-9-0 | Senior Thesis, Theoretical | 01 | Troian, S | A | A | G |
| APh100 | + | Advanced Work in Applied Physics | 01 | Phillips, R | A | A | P |
| | | | 02 | Vahala, K | A | A | P |

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| APPLIED PHYSICS | | | | | | | |
| APh100 | + | Advanced Work in Applied Physics | 03 | Scherer, A | A | A | P |
| | | | 04 | Troian, S | A | A | P |
| | | | 06 | Atwater, H | A | A | P |
| | | | 07 | Roukes, M | A | A | P |
| | | | 08 | Choo, H | A | A | P |
| Ae/APh/CE/ME 101A | 3-0-6 | Fluid Mechanics | 01 | Colonus, T | MWF 10:00 - 10:55 | 206 TOM | |
| Ae/APh 104A | 3-0-6 | Experimental Methods | 01 | McKeon, B | TR 10:30 - 11:55 | 202 GUG | |
| APh/MS 105A | 3-0-6 | States of Matter | 01 | Johnson, W | MW 13:00 - 14:25 | 104 WAT | G |
| APh109 | 0-6-3 | Introduction to the Micro/Nanofabrication Lab | 01 | Troian, S / Ghaffari, A | R 19:00 - 19:55 | 104 WAT | |
| APh110 | 2-0-0 | Topics in Applied Physics | 01 | Bellan, P | M 12:00 - 12:55 | 104 WAT | P |
| APh114A | 3-0-6 | Solid-State Physics | 01 | Schwab, K | MWF 09:00 - 09:55 | 104 WAT | |
| Ph/APh/EE/BE 118A | 3-0-6 | Physics of Measurement | 01 | Roukes, M | TR 14:30 - 15:55 | 57 BRG | |
| MS/APh 120 | 3-0-6 | Diffraction and Structure | 01 | Fultz, B | TR 09:00 - 10:25 | 104 WAT | |
| MS/APh 122 | 0-3-0 | Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i> | 01 | Fultz, B / Garland, C | OM,T 13:00 - 13:55 | 042 KCK | |
| APh/EE 130 | 3-0-6 | Electromagnetic Theory | 01 | Crosignani, B | TR 09:00 - 10:25 | 080 MRE | |
| APh150 | + | Topics in Applied Physics | 01 | Phillips, R | A | A | P |
| APh156A | 3-0-6 | Plasma Physics <i>Make-up class on Fridays, 2:30-4pm in 104</i> | 01 | Bellan, P | TR 10:30 - 11:55 | 104 WAT | G |

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| APPLIED PHYSICS | | | | | | | |
| APh190A | 3-0-6 | Quantum Electronics <i>Class cancelled</i> | 01 | Staff | A | A | |
| APh200 | + | Applied Physics Research | 01 | Atwater, H | A | A | P |
| | | | 02 | Desbrun, M | A | A | P |
| | | | 03 | Bellan, P | A | A | P |
| | | | 04 | Snyder, G | A | A | P |
| | | | 05 | Troian, S | A | A | P |
| | | | 06 | Fultz, B | A | A | P |
| | | | 07 | Johnson, W | A | A | P |
| | | | 08 | Chen, Y | A | A | P |
| | | | 09 | Minnich, A | A | A | P |
| | | | 10 | Refael, G | A | A | P |
| | | | 11 | Goddard, W | A | A | P |
| | | | 12 | Faraon, A | A | A | P |
| | | | 13 | Hsieh, D | A | A | P |
| | | | 14 | Preskill, J | A | A | P |
| | | | 15 | Faraon, A | A | A | P |
| | | | 16 | Yang, C | A | A | P |
| | | | 20 | Painter, O | A | A | P |
| | | | 21 | Phillips, R | A | A | P |
| | | | 24 | Roukes, M | A | A | P |
| | | | 26 | Scherer, A | A | A | P |
| | | | 30 | Heath, J | A | A | P |
| | | | 31 | Vahala, K | A | A | P |
| | | | 32 | Yariv, A | A | A | P |
| | | | 33 | Motrunich, O | A | A | P |
| | | | 41 | Schwab, K | A | A | P |
| | | | 42 | Lewis, N | A | A | P |
| Ph/APh 223A | 3-0-6 | Advanced Condensed-Matter Physics | 01 | Yeh, N | MW 11:00 - 12:25 | 107 DWN | |
| APh300 | + | Thesis Research in Applied Physics | 01 | Atwater, H | A | A | P |
| | | | 02 | Fultz, B | A | A | P |

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| APPLIED PHYSICS | | | | | | | |
| APh300 | + | Thesis Research in Applied Physics | 03 | Bellan, P | A | A | P |
| | | | 04 | Snyder, G | A | A | P |
| | | | 05 | Yariv, A | A | A | P |
| | | | 06 | Johnson, W | A | A | P |
| | | | 07 | Flagan, R | A | A | P |
| | | | 08 | Troian, S | A | A | P |
| | | | 09 | Painter, O | A | A | P |
| | | | 10 | Desbrun, M | 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 |
| | | | 24 | Vahala, K | A | A | P |
| | | | 27 | Painter, O | A | A | P |
| | | | 28 | Schwab, K | A | A | P |
| 29 | Chen, Y | A | A | P | | | |
| ART HISTORY | | | | | | | |
| Art068 | 3-0-6 | Modern Art <i>Maximum enrollment: 15 students</i> | 01 | Robbins, C | TR 14:30 - 15:55 | 024 KRK | G |
| Art/H 153 | 3-0-6 | West Coast Art since the Sixties <i>Maximum enrollment: 15 students</i> | 01 | Robbins, C | TR 10:30 - 11:55 | 117 DAB | G |
| Art169 | 3-0-6 | The Arts of Dynastic China <i>Maximum enrollment: 40 students</i> | 01 | Wolfgram, J | MW 16:00 - 17:25 | 228 BAX | G |
| ASTROPHYSICS | | | | | | | |
| Ay 043 | + | Reading in Astronomy and Astrophysics | 01 | Scoville, N | A | A | P |
| Ay 078A | 9-0-0 | Senior Thesis | 01 | Steidel, C | A | A | P |
| | | | 02 | Hillenbrand, L | A | A | P |
| | | | 03 | Prince, T | A | A | P |
| | | | 04 | Ellis, R | A | A | P |

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| ASTROPHYSICS | | | | | | | |
| Ay 078A | 9-0-0 | Senior Thesis | 05 | Cohen, J | A | A | P |
| | | | 06 | Hopkins, P | A | A | P |
| | | | 07 | Readhead, A | A | A | P |
| | | | 08 | Scoville, N | A | A | P |
| | | | 09 | Ott, C | A | A | P |
| | | | 10 | Martin, C | A | A | P |
| | | | 11 | Harrison, F | A | A | P |
| | | | 12 | Hallinan, G | A | A | P |
| Ay 101 | 3-2-6 | Physics of Stars | 01 | Hillenbrand, L | OM,M 09:00 - 09:55 | 219 CHL | |
| Ay 111A | 3-0-0 | Introduction to Current Astrophysics Research | 01 | Steidel, C | OM,M 09:00 - 09:55 | 219 CHL | |
| Ay 121 | 3-0-6 | Radiative Processes | 01 | Hallinan, G / Ott, C | OM,M 09:00 - 09:55 | 219 CHL | |
| Ay 122A | 3-0-6 | Astronomical Measurements and Instrumentation | 01 | Cohen, J / Steidel, C | OM,M 09:00 - 09:55 | 219 CHL | |
| Ay 123 | 3-0-6 | Structure and Evolution of Stars | 01 | Ellis, R | OM,M 09:00 - 09:55 | 219 CHL | |
| Ge/Ay 133 | 3-0-6 | The Formation and Evolution of Planetary Systems | 01 | Knutson, H | MWF 14:00 - 14:55 | 162 SMD | |
| Ay 141A | 1-0-2 | Research Conference in Astronomy | 01 | Cohen, J / Sargent, A | F 16:00 - 16:55 | 370 CHL | P |
| Ay 142 | + | Research in Astronomy and Astrophysics | 02 | Martin, C | A | A | P |
| | | | 03 | Brown, M | A | A | P |
| | | | 04 | Hirata, C | A | A | P |
| | | | 05 | Hopkins, P | A | A | P |
| | | | 06 | Djorgovski, S | A | A | P |
| | | | 07 | Ellis, R | A | A | P |
| | | | 08 | Hillenbrand, L | A | A | P |
| | | | 09 | Readhead, A | A | A | P |

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|--|-------|--|---------|---------------|------------------|----------|--------------|
| ASTROPHYSICS | | | | | | | |
| Ay 142 | + | Research in Astronomy and Astrophysics | 10 | Kulkarni, S | A | A | P |
| | | | 11 | Scoville, N | A | A | P |
| | | | 12 | Hallinan, G | A | A | P |
| | | | 13 | Ott, C | A | A | P |
| | | | 14 | Prince, T | A | A | P |
| | | | 15 | Dore, O | A | A | P |
| | | | 17 | Sargent, A | A | A | P |
| | | | 19 | Stevenson, D | A | A | P |
| | | | 21 | Steidel, C | A | A | P |
| | | | 22 | Cohen, J | A | A | P |
| | | | 25 | Blake, G | A | A | P |
| | | | 26 | Soifer, B | A | A | P |
| | | | 27 | Zmuidzinas, J | A | A | P |
| | | | 28 | Johnson, J | A | A | P |
| | | | 29 | Harrison, F | A | A | P |
| | | | 30 | Phinney, E | A | A | P |
| Ay 143 | + | Reading and Independent Study | 01 | Steidel, C | A | A | P |
| | | | 02 | Hallinan, G | A | A | P |
| | | | 03 | Ellis, R | A | A | P |
| | | | 04 | Kulkarni, S | A | A | P |
| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| BMB/Bi/Ch 170A | 3-1-5 | Biochemistry and Biophysics of Macromolecules and Molecular Assemblies | 01 | Clemons, W | TR 10:30 - 11:55 | 151 CRL | G |
| BMB/Ch 178 | 3-0-6 | Enzyme Kinetics and Mechanisms | 01 | Shan, S | WF 10:30 - 11:55 | 101 SCH | |
| BMB/Ch 202A | 1-0-0 | Biochemistry Seminar Course <i>Most sessions will take place on Thursdays. Specific dates TBA and will coincide with the dates of the Biochemistry Seminars. Students will meet with the Biochemistry seminar speaker in the discussion session for an hour and then attend the seminar at 4pm.</i> | 01 | Clemons, W | R 12:00 - 12:55 | 370 BRN | P |

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|--|-------|--|---------|-----------------|-----------------|----------|--------------|
| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| Bi/BMB 251A | 1-0-0 | Current Research in Cellular and Molecular Biology | 01 | Hay, B | W 12:00 - 12:55 | 24 BBB | P |
| BMB299 | + | Graduate Research | 01 | Arnold, F | A | A | P |
| | | | 02 | Bjorkman, P | A | A | P |
| | | | 03 | Hoelz, A | A | A | P |
| | | | 04 | Campbell, J | A | A | P |
| | | | 05 | Phillips, R | A | A | P |
| | | | 06 | Davidson, E | A | A | P |
| | | | 07 | Dervan, P | A | A | P |
| | | | 08 | Dougherty, D | A | A | P |
| | | | 09 | Fraser, S | A | A | P |
| | | | 10 | Goddard, W | A | A | P |
| | | | 11 | Hsieh-Wilson, L | A | A | P |
| | | | 12 | Jensen, G | A | A | P |
| | | | 13 | Baltimore, D | A | A | P |
| | | | 14 | Davis, M | A | A | P |
| | | | 15 | Mayo, S | A | A | P |
| | | | 16 | Parker, C | A | A | P |
| | | | 17 | Hay, B | A | A | P |
| | | | 18 | Leadbetter, J | A | A | P |
| | | | 19 | Chan, D | A | A | P |
| | | | 20 | Cai, L | A | A | P |
| | | | 21 | Newman, D | A | A | P |
| | | | 22 | Kennedy, M | A | A | P |
| | | | 23 | Elowitz, M | A | A | P |
| | | | 24 | Patterson, P | A | A | P |
| | | | 25 | Lester, H | A | A | P |
| | | | 26 | Sternberg, P | A | A | P |
| | | | 27 | Meyerowitz, E | A | A | P |
| | | | 28 | Shan, S | A | A | P |
| | | | 29 | Wold, B | A | A | P |
| | | | 30 | Dunphy, W | A | A | P |
| | | | 31 | Heath, J | A | A | P |

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| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| BMB299 | + | Graduate Research | 32 | Gray, H | A | A | P |
| | | | 33 | Gharib, M | A | A | P |
| | | | 34 | Rees, D | A | A | P |
| | | | 35 | Tirrell, D | A | A | P |
| | | | 36 | Barton, J | A | A | P |
| | | | 37 | Clemons, W | A | A | P |
| | | | 38 | Leadbetter, J | A | A | P |
| | | | 39 | Murray, R | A | A | P |
| | | | 40 | Mazmanian, S | A | A | P |
| | | | 41 | Baltimore, D | A | A | P |
| | | | 42 | Wang, Z | A | A | P |
| | | | 43 | Pierce, N | A | A | P |
| | | | 44 | Roukes, M | A | A | P |
| | | | 45 | Gray, H | A | A | P |
| | | | 46 | Varshavsky, A | A | A | P |
| | | | 47 | Goentoro, L | A | A | P |
| | | | 48 | Greer, J | A | A | P |
| | | | 49 | Anderson, D | A | A | P |
| | | | 50 | Hoelz, A | A | A | P |
| BIOENGINEERING | | | | | | | |
| 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 | Sternberg, P | A | A | P |
| | | | 05 | Kennedy, M | 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 | Gradinaru, V | A | A | P |
| | | | 12 | Pierce, N | A | A | P |
| | | | 14 | Ponce, A | A | A | P |

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|-----------------------|-----------|--|---------|-----------------------|------------------|----------|--------------|
| BIOENGINEERING | | | | | | | |
| BE 098 | + | Undergraduate Research in Bioengineering <i>If your research advisor does not appear below, please contact the Office of the Registrar.</i> | 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 |
| | | | 22 | Guo, C | 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 | Koch, C | A | A | P |
| | | | 30 | Kornfield, J | A | A | P |
| | | | 31 | Baltimore, D | A | A | P |
| | | | 32 | Shimojo, S | A | A | P |
| 33 | Dervan, P | A | A | P | | | |
| Ph/APh/EE/BE 118A | 3-0-6 | Physics of Measurement | 01 | Roukes, M | TR 14:30 - 15:55 | 57 BRG | |
| ChE/BE 163 | 3-0-9 | Introduction to Biomolecular Engineering | 01 | Arnold, F / Pierce, N | TR 13:00 - 14:25 | 106 SPL | |
| BE 167 | 1-0-0 | Research Topics in Bioengineering <i>Required for first year grad students in BE</i> | 01 | Murray, R | T 15:00 - 15:55 | 300 BRD | P |
| BE 200 | + | Research in Bioengineering | 01 | Arnold, F | A | A | P |
| | | | 02 | Phillips, R | A | A | P |
| | | | 03 | Burdick, J | A | A | P |
| | | | 04 | Goddard, W | A | A | P |
| | | | 05 | Dervan, P | A | A | P |
| | | | 06 | Fraser, S | 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 | Ismagilov, R | A | A | P |

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|-----------------------|--------------|---|---------|-------------------|-----------------|----------|--------------|
| BIOENGINEERING | | | | | | | |
| BE 200 | + | Research in Bioengineering | 12 | Pierce, N | A | A | P |
| | | | 13 | Gradinaru, V | A | A | P |
| | | | 14 | Ponce, A | A | A | P |
| | | | 15 | Trojan, S | 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 |
| | | | 22 | Guo, C | 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 | Koch, C | A | A | P |
| | | | 30 | Shimojo, S | A | A | P |
| | | | 31 | Meister, M | A | A | P |
| 32 | Sternberg, P | A | A | P | | | |
| 33 | Rothmund, P | A | A | P | | | |
| 34 | Shapiro, B | A | A | P | | | |
| BIOLOGY | | | | | | | |
| Bi 002 | 1-0-2 | Current Research in Biology | 01 | Elowitz, M | T 12:00 - 12:55 | 119 KRK | P |
| FS/Bi/Ph 013 | 2-0-4 | Freshman Seminar: In Search of Memory <i>Maximum enrollment: 13 students</i> | 01 | Pine, J | T 14:00 - 15:55 | 248 LAU | P |
| Bi 022 | + | Undergraduate Research | 01 | Adolphs, R | A | A | P |
| | | | 02 | Bronner Hansen, M | A | A | P |
| | | | 03 | Allman, J | A | A | P |
| | | | 04 | Campbell, J | A | A | P |
| | | | 05 | Lester, H | A | A | P |
| | | | 06 | Bjorkman, P | A | A | P |

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|-----------------|-------|------------------------|---------|-------------------|-----------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 022 | + | Undergraduate Research | 07 | Arnold, F | A | A | P |
| | | | 08 | Rothenberg, E | A | A | P |
| | | | 09 | Varshavsky, A | A | A | P |
| | | | 10 | Sternberg, P | A | A | P |
| | | | 11 | Fraser, S | A | A | P |
| | | | 12 | Meyerowitz, E | A | A | P |
| | | | 13 | Kennedy, M | A | A | P |
| | | | 14 | Mazmanian, S | A | A | P |
| | | | 15 | Winfree, E | A | A | P |
| | | | 16 | Leadbetter, J | A | A | P |
| | | | 17 | Orphan, V | A | A | P |
| | | | 22 | Patterson, P | A | A | P |
| | | | 24 | Wold, B | A | A | P |
| | | | 32 | Goddard, W | A | A | P |
| | | | 33 | Elowitz, M | A | A | P |
| | | | 37 | Stathopoulos, A | A | A | P |
| | | | 38 | Chan, D | A | A | P |
| | | | 39 | Stevenson, D | A | A | P |
| | | | 40 | Parker, C | A | A | P |
| | | | 41 | Hay, B | A | A | P |
| | | | 43 | Shimojo, S | A | A | P |
| | | | 44 | Sauka-Spengler, T | A | A | P |
| | | | 45 | Clemons, W | A | A | P |
| | | | 46 | Baltimore, D | A | A | P |
| | | | 47 | Tirrell, D | A | A | P |
| | | | 48 | Anderson, D | A | A | P |
| | | | 50 | Koch, C | A | A | P |
| | | | 51 | Dabiri, J | A | A | P |
| | | | 52 | Prober, D | A | A | P |
| | | | 53 | Newman, D | A | A | P |
| | | | 54 | Gradinaru, V | A | A | P |
| | | | 55 | Guttman, M | A | A | P |
| | | | 56 | Meister, M | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-----------------|-------|--|---------|------------------------|--------------------------------------|--------------------------------------|--------------|
| BIOLOGY | | | | | | | |
| Bi 022 | + | Undergraduate Research | 57 | Goentoro, L | A | A | P |
| | | | 58 | Stevenson, D | A | A | P |
| Bi 090A | + | Undergraduate Thesis | 01 | Lester, H | A | A | P |
| | | | 02 | Davidson, E | A | A | P |
| | | | 03 | Sternberg, P | A | A | P |
| | | | 04 | Davis, M | A | A | P |
| | | | 05 | Newman, D | A | A | P |
| | | | 06 | Baltimore, D | A | A | P |
| | | | 07 | Fejes Toth, K | A | A | P |
| | | | 08 | Anderson, D | A | A | P |
| | | | 09 | Winfree, E | A | A | P |
| | | | 10 | Bjorkman, P | A | A | P |
| Bi 090B | + | Undergraduate Thesis | 01 | Fejes Toth, K | A | A | P |
| | | | 02 | Anderson, D | A | A | P |
| Bi/Ch 110 | 4-0-8 | Introduction to Biochemistry <i>Taught by Professor Richards and Biochemistry faculty</i> | 01 | Richards, J | TR 11:00 - 11:55 W 14:00 - 15:55 | 147 NYS 147 NYS | |
| Bi 122 | 3-0-6 | Genetics | 01 | Hay, B | TR 13:00 - 14:25 | 119 KRK | G |
| Bi/Ch 132 | 3-0-6 | Biophysics of Macromolecules | 01 | Beauchamp, J / Cai, L | TR 13:00 - 14:25 | 200 BRD | G |
| Bi 145A | 3-0-6 | Tissue and Organ Physiology | 01 | Tydell, C | MW 19:00 - 20:25 | 200 BRD | |
| Bi/CNS/NB 150 | 4-0-6 | Introduction to Neuroscience <i>Maximum enrollment: 15 students per section</i> | 01 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 R 13:30 - 14:25 | 100 - Rock Auditorium BRD 101 KRK | |
| | | | 02 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 R 15:00 - 15:55 | 100 - Rock Auditorium BRD 101 KRK | |
| | | | 03 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 R 19:00 - 19:55 | 100 - Rock Auditorium BRD 101 KRK | |

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|---------------------|-------|--|---------|--------------------------|--|--------------------------------------|--------------|
| BIOLOGY | | | | | | | |
| Bi/CNS/NB 150 | 4-0-6 | Introduction to Neuroscience <i>Maximum enrollment: 15 students per section</i> | 04 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 R 20:00 - 20:55 | 100 - Rock Auditorium BRD 101 KRK | |
| Bi 165 | 2-3-1 | Microbiology Bootcamp | 01 | Mazmanian, S / Jensen, G | A | A | |
| ESE/Bi 166 | 3-1-5 | Microbial Physiology | 01 | Leadbetter, J | MWF 10:00 - 10:55 | 162 SMD | |
| BMB/Bi/Ch 170A | 3-1-5 | Biochemistry and Biophysics of Macromolecules and Molecular Assemblies | 01 | Clemons, W | TR 10:30 - 11:55 | 151 CRL | G |
| Bi/Ge 180 | 2-6-1 | Methods in Molecular Genetics | 01 | Bertani, L | T 13:00 - 13:55 TR 13:00 - 16:55 R 13:00 - 13:25 | 101 KRK 317 KRK 101 KRK | P |
| CNS/Bi/Ph/CS/NB 187 | 3-0-6 | Neural Computation | 01 | Perona, P | TR 10:30 - 11:55 | 080 MRE | |
| Bi 192 | 2-0-4 | Introduction to Systems Biology <i>Maximum enrollment: 10 students</i> | 01 | Goentoro, L | TR 10:30 - 11:55 | 101 KRK | |
| Bi/CNS/NB 216 | 2-0-4 | Behavior of Mammals | 01 | Allman, J | WF 14:00 - 15:55 | 200 BRD | |
| Bi 250A | 3-0-6 | Topics in Molecular and Cellular Biology | 01 | Prober, D | TR 12:00 - 13:25 | 151 BRN | P |
| Bi/BMB 251A | 1-0-0 | Current Research in Cellular and Molecular Biology | 01 | Hay, B | W 12:00 - 12:55 | 24 BBB | P |
| Bi 299 | + | Graduate Research | 01 | Kirschvink, J | A | A | P |
| | | | 02 | Baltimore, D | A | A | P |
| | | | 03 | Allman, J | A | A | P |
| | | | 04 | Anderson, D | A | A | P |
| | | | 05 | Arnold, F | A | A | P |
| | | | 06 | Baltimore, D | A | A | P |
| | | | 07 | Pierce, N | A | A | P |
| | | | 08 | Bjorkman, P | A | A | P |

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| BIOLOGY | | | | | | | |
| Bi 299 | + | Graduate Research | 09 | Bronner Hansen, M | A | A | P |
| | | | 10 | Campbell, J | A | A | P |
| | | | 11 | Chan, D | A | A | P |
| | | | 12 | Davidson, E | A | A | P |
| | | | 13 | Deshaies, R | A | A | P |
| | | | 14 | Dabiri, J | A | A | P |
| | | | 15 | Dunphy, W | A | A | P |
| | | | 16 | Fraser, S | A | A | P |
| | | | 17 | Gharib, M | A | A | P |
| | | | 18 | Kennedy, M | A | A | P |
| | | | 19 | Orphan, V | A | A | P |
| | | | 21 | Cai, L | A | A | P |
| | | | 22 | Guo, C | A | A | P |
| | | | 23 | Mayo, S | A | A | P |
| | | | 24 | Goentoro, L | A | A | P |
| | | | 25 | Newman, D | A | A | P |
| | | | 26 | Meyerowitz, E | A | A | P |
| | | | 27 | Patterson, P | A | A | P |
| | | | 28 | Newman, H | A | A | P |
| | | | 29 | Adolphs, R | A | A | P |
| | | | 30 | Koch, C | A | A | P |
| | | | 31 | Meister, M | A | A | P |
| | | | 34 | Shimojo, S | A | A | P |
| | | | 35 | Lester, H | A | A | P |
| | | | 36 | Sternberg, P | A | A | P |
| | | | 37 | Rothenberg, E | A | A | P |
| | | | 38 | Varshavsky, A | A | A | P |
| | | | 39 | Wold, B | A | A | P |
| | | | 40 | Zinn, K | A | A | P |
| | | | 41 | Jensen, G | A | A | P |
| | | | 42 | Heath, J | A | A | P |
| | | | 43 | Siapas, A | A | A | P |
| | | | 44 | Andersen, R | A | A | P |

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| BIOLOGY | | | | | | | |
| Bi 299 | + | Graduate Research | 45 | Dickinson, M | A | A | P |
| | | | 46 | Leadbetter, J | A | A | P |
| | | | 47 | Winfree, E | A | A | P |
| | | | 49 | Prober, D | A | A | P |
| | | | 50 | Elowitz, M | A | A | P |
| | | | 51 | Stathopoulos, A | A | A | P |
| | | | 52 | Mazmanian, S | A | A | P |
| | | | 53 | Clemons, W | A | A | P |
| | | | 54 | Hay, B | A | A | P |
| | | | 55 | Aravin, A | A | A | P |
| | | | 56 | Dougherty, D | A | A | P |
| | | | 57 | Fejes Toth, K | A | A | P |
| | | | 58 | Murray, R | A | A | P |
| | | | 59 | Burdick, J | A | A | P |
| 60 | Gradinaru, V | A | A | P | | | |
| 61 | Guttman, M | A | A | P | | | |
| BUSINESS ECONOMICS & MANAGEMENT | | | | | | | |
| BEM097 | + | Undergraduate Research | 01 | Staff | A | A | P |
| BEM102 | 3-0-6 | Introduction to Accounting <i>Formerly numbered BEM101. May not be used as Adv SS. // Maximum enrollment: 55 students</i> | 01 | Wang, S | M 19:00 - 21:55 | 25 BAX | |
| BEM103 | 3-0-6 | Introduction to Finance <i>Maximum enrollment: 60 students</i> | 01 | Rosenthal, J | MW 08:30 - 09:55 | 119 KRK | G |
| BEM105 | 3-0-6 | Options | 01 | Cvitanic, J | TR 14:30 - 15:55 | 25 BAX | |
| BEM190 | + | Undergraduate Research Project | 01 | Pickar, K | A | A | P |
| | | | 02 | Rosenthal, J | A | A | P |
| | | | 03 | Bossaerts, P | A | A | P |
| CHEMICAL ENGINEERING | | | | | | | |

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| CHEMICAL ENGINEERING | | | | | | | |
| ChE062 | 3-0-6 | Separation Processes | 01 | Seinfeld, J | MWF 14:00 - 14:55 | 106 SPL | |
| ChE080 | + | Undergraduate Research | 01 | Flagan, R | A | A | P |
| | | | 02 | Haile, S | A | A | P |
| | | | 03 | Fultz, B | A | A | P |
| | | | 04 | Lewis, N | A | A | P |
| | | | 05 | Davis, M | A | A | P |
| | | | 06 | Grubbs, R | A | A | P |
| | | | 33 | Atwater, H | A | A | P |
| | | | 34 | Seinfeld, J | A | A | P |
| | | | 35 | Arnold, F | A | A | P |
| | | | 36 | Tirrell, D | A | A | P |
| ChE090A | + | Senior Thesis | 37 | Kornfield, J | A | A | P |
| | | | 38 | Giapis, K | A | A | P |
| | | | 01 | Giapis, K | A | A | P |
| | | | 02 | Arnold, F | A | A | P |
| | | | 03 | Flagan, R | A | A | P |
| Ch/ChE 091 | 2-0-1 | Scientific Writing | 04 | Mayo, S | A | A | P |
| | | | 05 | Lewis, N | A | A | P |
| | | | 01 | Parker, C | M 13:00 - 14:55 | 101 SCH | |
| ChE103A | 3-0-6 | Transport Phenomena | 01 | Kornfield, J | MWF 10:00 - 10:55 | 153 NYS | |
| ChE126 | 1-6-2 | Chemical Engineering Laboratory <i>Maximum Enrollment: 8 students per section // Section 1 cancelled</i> | 02 | Vicic, M | TR 09:00 - 11:55 | 122 SPL | G |
| | | | 03 | Vicic, M | TR 13:00 - 15:55 | 122 SPL | G |
| ChE151A | 3-0-9 | Physical and Chemical Rate Processes | 01 | Brady, J | MWF 09:00 - 09:55 | 102 SPL | G |
| ChE152 | 3-0-6 | Heterogeneous Kinetics and Reaction Engineering | 01 | Giapis, K | TR 09:00 - 10:25 | 106 SPL | G |

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| CHEMICAL ENGINEERING | | | | | | | |
| ChE/BE 163 | 3-0-9 | Introduction to Biomolecular Engineering | 01 | Arnold, F / Pierce, N | TR 13:00 - 14:25 | 106 SPL | |
| ChE/Ch 165 | 3-0-6 | Chemical Thermodynamics | 01 | Wang, Z | TR 10:30 - 11:55 | 106 SPL | |
| ChE280 | + | Chemical Engineering Research | 01 | Arnold, F | A | A | P |
| | | | 02 | Ismagilov, R | A | A | P |
| | | | 03 | Atwater, H | A | A | P |
| | | | 04 | Haile, S | A | A | P |
| | | | 05 | Pierce, N | A | A | P |
| | | | 06 | Murray, R | A | A | P |
| | | | 07 | Brady, J | A | A | P |
| | | | 08 | Stoltz, B | A | A | P |
| | | | 09 | Snyder, G | A | A | P |
| | | | 10 | Davis, M | A | A | P |
| | | | 11 | Fultz, B | A | A | P |
| | | | 12 | Bercaw, J | A | A | P |
| | | | 13 | Flagan, R | A | A | P |
| | | | 16 | Giapis, K | A | A | P |
| | | | 17 | Goddard, W | A | A | P |
| | | | 21 | Kornfield, J | A | A | P |
| | | | 22 | Troian, S | A | A | P |
| | | | 23 | Lewis, N | A | A | P |
| | | | 35 | Seinfeld, J | A | A | P |
| | | | 37 | Tirrell, D | A | A | P |
| | | | 38 | Wang, Z | A | A | P |
| | | | 40 | Yung, Y | A | A | P |
| | | | 42 | Heath, J | A | A | P |
| | | | 43 | Smolke, C | A | A | P |
| | | | 44 | Greer, J | A | A | P |
| | | | 45 | Miller, T | A | A | P |
| CHEMISTRY | | | | | | | |

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| CHEMISTRY | | | | | | | |
| Ch 001A | 3-0-3 | General Chemistry | 01 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 024 KRK | P |
| | | | 02 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 3 BBB | P |
| | | | 03 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 119 DWN | P |
| | | | 04 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 22 GTS | P |
| | | | 05 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 151 BRN | P |
| | | | 06 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 155 ARM | P |
| | | | 07 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 142 KCK | P |
| | | | 08 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 102 STL | P |
| | | | 09 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 11 DWN | P |
| | | | 10 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 200 BRD | P |
| | | | 11 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 27 GTS | P |
| | | | 12 | Lewis, N | MT 11:00 - 11:55 R 11:00 - 11:55 | Lecture Hall BAX 119 KRK | P |
| Ch 003A | 1-3-2 | Fundamental Techniques of Experimental Chemistry <i>Maximum Enrollment: 20 students per section// Section 3 reserved for Freshmen // Oct 4th lecture will meet in 151 Crellin</i> | 01 | Mendez, J | T 08:00 - 10:55 F 13:00 - 13:55 | 107 MEAD 153 NYS | 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 W 19:00 - 21:55 | 153 NYS 107 MEAD | P |
| Ch 003X | 1-3-2 | Experimental Methods in Solar Energy Conversion <i>Maximum Enrollment: 16 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 | 151 CRL | P |

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| CHEMISTRY | | | | | | | |
| Ch 003X | 1-3-2 | Experimental Methods in Solar Energy Conversion <i>Maximum Enrollment: 16 students per section</i> | 02 | Mendez, J | R 08:00 - 10:55 | 107 MEAD | P |
| Ch 005B | 1-6-2 | Advanced Techniques of Synthesis and Analysis <i>OM on the first Monday of the term from 2-3pm to arrange lab hours on Mondays and Fridays (8am-4pm)/Thursdays (1-4pm). OM to decide lecture time.</i> | 01 | Agapie, T | OM,M 14:00 - 14:55 | MEAD | |
| Ch 008 | 1-6-2 | Experimental Procedures of Synthetic Chemistry <i>Instructor will contact student via email to select 2 sections. //Section times will be: Tuesdays 8-11am; Tuesdays 1-4pm; Wednesdays 1-4pm; and Thursdays 8-11am.</i> | 01 | Mendez, J | M 14:30 - 15:25 A | 147 NYS 105 MEAD | |
| Ch 010A | 2-0-1 | Frontiers in Chemistry <i>Lab tour times to be determined.</i> | 01 | Dervan, P / Hoelz, A | R 12:00 - 12:55 A | 147 NYS A | P |
| Ch 015 | 0-6-4 | Chemical Equilibrium and Analysis Laboratory <i>OM to decide lecture time.//Each student must select 2 lab times: Tuesdays 8-11am; Tuesdays 1-4pm; Wednesdays 1-4pm; and Thursdays 8-11am.</i> | 01 | Dalleska, N | OM,T 14:00 - 14:55 | 135 L+R | G |
| Ch 021A | 3-0-6 | Physical Chemistry | 01 | Okumura, M | MWF 13:00 - 13:55 | 147 NYS | G |
| Ch 041A | 3-0-6 | Organic Chemistry | 01 | Dougherty, D | MWF 09:00 - 09:55 | 153 NYS | |
| Ch 080 | + | Chemical Research | 01 | Stoltz, B | A | A | P |
| | | | 02 | Shan, S | A | A | P |
| | | | 03 | Peters, J | A | A | P |
| | | | 04 | Kornfield, J | A | A | P |
| | | | 05 | Blake, G | A | A | P |
| | | | 06 | Lewis, N | A | A | P |
| | | | 07 | Goddard, W | A | A | P |
| | | | 08 | Beauchamp, J | A | A | P |

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| CHEMISTRY | | | | | | | |
| Ch 080 | + | Chemical Research | 09 | Bercaw, J | A | A | P |
| | | | 10 | Grubbs, R | A | A | P |
| | | | 11 | Dervan, P | A | A | P |
| | | | 12 | Dougherty, D | A | A | P |
| | | | 13 | Arnold, F | A | A | P |
| | | | 14 | Agapie, T | A | A | P |
| | | | 15 | Reisman, S | A | A | P |
| | | | 16 | Barton, J | A | A | P |
| | | | 17 | Gray, H | A | A | P |
| | | | 18 | Heath, J | A | A | P |
| 19 | Davis, M | A | A | P | | | |
| Ch 081 | + | Independent Reading in Chemistry | 01 | Bercaw, J | A | A | P |
| | | | 02 | Heath, J | A | A | P |
| | | | 03 | Virgil, S | A | A | P |
| | | | 04 | Grubbs, R | A | A | P |
| | | | 05 | Gray, H | A | A | P |
| | | | 06 | Goddard, W | A | A | P |
| | | | 07 | Agapie, T | A | A | P |
| | | | 22 | Lewis, N | A | A | P |
| Ch 082 | + | Senior Thesis Research | 01 | Rees, D | A | A | P |
| Ch/ChE 091 | 2-0-1 | Scientific Writing | 01 | Parker, C | M 13:00 - 14:55 | 101 SCH | |
| Bi/Ch 110 | 4-0-8 | Introduction to Biochemistry <i>Taught by Professor Richards and Biochemistry faculty</i> | 01 | Richards, J | TR 11:00 - 11:55 | 147 NYS | |
| | | | | | W 14:00 - 15:55 | 147 NYS | |
| Ch 112 | 3-0-6 | Inorganic Chemistry | 01 | Bercaw, J | TR 09:00 - 10:25 | 147 NYS | |
| Ch 122 | 3-0-6 | Structure Determination by X-ray Crystallography | 01 | Takase, M | MWF 10:00 - 10:55 | 115 BCK | G |

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| CHEMISTRY | | | | | | | |
| Ch 125A | 3-0-6 | The Elements of Quantum Chemistry | 01 | McKoy, B | MWF 11:00 - 11:55 | 147 NYS | G |
| Ge/Ch 127 | 3-0-6 | Nuclear Chemistry | 01 | Burnett, D | OM,M 17:10 - 17:55 | 015 NMD | |
| Bi/Ch 132 | 3-0-6 | Biophysics of Macromolecules | 01 | Beauchamp, J / Cai, L | TR 13:00 - 14:25 | 200 BRD | G |
| Ch 145 | 3-0-6 | Bioorganic Chemistry of Proteins | 01 | Hsieh-Wilson, L | TR 14:00 - 14:55 F 14:00 - 14:55 | 147 NYS 101 SCH | G |
| Ch 149 | 2-0-4 | Tutorial in Organic Chemistry <i>Prerequisite: Ch 41abc & instructor's permission. // This course is intended primarily for 1st-year grad students with a strong foundation in organic chemistry. // Meets during the month of October. // OM to decide lecture time.</i> | 01 | Fu, G / Reisman, S | OM,A | A | P |
| ChE/Ch 165 | 3-0-6 | Chemical Thermodynamics | 01 | Wang, Z | TR 10:30 - 11:55 | 106 SPL | |
| BMB/Bi/Ch 170A | 3-1-5 | Biochemistry and Biophysics of Macromolecules and Molecular Assemblies | 01 | Clemons, W | TR 10:30 - 11:55 | 151 CRL | G |
| ESE/Ge/Ch 172 | 3-0-0 | Atmospheric Chemistry II | 01 | Wennberg, P / Seinfeld, J | T 14:30 - 15:55 | 106 SPL | P |
| BMB/Ch 178 | 3-0-6 | Enzyme Kinetics and Mechanisms | 01 | Shan, S | WF 10:30 - 11:55 | 101 SCH | |
| Ch 180 | + | Chemical Research | 01 02 21 22 38 | Agapie, T Goddard, W Gray, H Lewis, N Weitekamp, D | A A A A A | A A A A A | P P P P P |
| BMB/Ch 202A | 1-0-0 | Biochemistry Seminar Course <i>Most sessions will take place on Thursdays.</i> | 01 | Clemons, W | R 12:00 - 12:55 | 370 BRN | P |

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| CHEMISTRY | | | | | | | |
| Ch 213A | 1-0-11 | Advanced Ligand Field Theory | 01 | Gray, H | F 13:00 - 13:55 | 408 BCK | G |
| Ch 242A | 3-0-6 | Chemical Synthesis <i>Lecture MWF 9-10am -- Recitation T 7-9pm -- Tutorial R 7-9pm</i> | 01 | Stoltz, B | MWF 09:00 - 09:55 TR 19:00 - 20:55 | 147 NYS 147 NYS | |
| Ch 280 | + | Chemical Research | 01 | Adkins, J | A | A | P |
| | | | 02 | Arnold, F | A | A | P |
| | | | 03 | Bjorkman, P | A | A | P |
| | | | 04 | Atwater, H | A | A | P |
| | | | 05 | Barton, J | A | A | P |
| | | | 06 | Beauchamp, J | A | A | P |
| | | | 07 | Bercaw, J | A | A | P |
| | | | 08 | Blake, G | A | A | P |
| | | | 09 | Wang, Z | A | A | P |
| | | | 10 | Smolke, C | A | A | P |
| | | | 11 | Shimojo, S | A | A | P |
| | | | 12 | Eiler, J | A | A | P |
| | | | 13 | Davis, M | A | A | P |
| | | | 14 | Dervan, P | A | A | P |
| | | | 15 | Dougherty, D | A | A | P |
| | | | 16 | Reisman, S | A | A | P |
| | | | 17 | Fraser, S | A | A | P |
| | | | 18 | Miller, T | A | A | P |
| | | | 19 | Clemons, W | A | A | P |
| | | | 20 | Goddard, W | A | A | P |
| | | | 21 | Gray, H | A | A | P |
| | | | 22 | Grubbs, R | A | A | P |
| | | | 23 | Heath, J | A | A | P |
| | | | 24 | Hsieh-Wilson, L | A | A | P |
| | | | 25 | Hoffmann, M | A | A | P |
| | | | 26 | Kornfield, J | A | A | P |
| | | | 27 | Hoelz, A | A | A | P |
| | | | 28 | Lewis, N | A | A | P |

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|--------------------------|-------------|-------------------------------------|---------|-----------------|-------------------|----------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 280 | + | Chemical Research | 29 | Peters, J | A | A | P |
| | | | 30 | Marcus, R | A | A | P |
| | | | 31 | Mayo, S | A | A | P |
| | | | 32 | Cai, L | A | A | P |
| | | | 33 | Okumura, M | A | A | P |
| | | | 34 | Ponce, A | A | A | P |
| | | | 35 | Peters, J | A | A | P |
| | | | 36 | Ismagilov, R | A | A | P |
| | | | 37 | Fu, G | A | A | P |
| | | | 38 | Rees, D | A | A | P |
| | | | 39 | Lester, H | A | A | P |
| | | | 40 | Haile, S | A | A | P |
| | | | 41 | van de Walle, A | A | A | P |
| | | | 42 | Seinfeld, J | A | A | P |
| | | | 43 | Stoltz, B | A | A | P |
| | | | 44 | Tirrell, D | A | A | P |
| | | | 45 | Roberts, J | A | A | P |
| | | | 46 | Weitekamp, D | A | A | P |
| | | | 47 | Wennberg, P | A | A | P |
| | | | 48 | Zewail, A | A | A | P |
| | | | 49 | Shan, S | A | A | P |
| | | | 50 | Agapie, T | A | A | P |
| | | | 51 | Sternberg, P | A | A | P |
| | | | 52 | Tirrell, D | A | A | P |
| 53 | Fu, G | A | A | P | | | |
| 54 | Deshaies, R | A | A | P | | | |
| CIVIL ENGINEERING | | | | | | | |
| CE 100 | + | Special Topics in Civil Engineering | 01 | Staff | A | A | |
| Ae/APh/CE/ME 101A | 3-0-6 | Fluid Mechanics | 01 | Colonus, T | MWF 10:00 - 10:55 | 206 TOM | |

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| CIVIL ENGINEERING | | | | | | | |
| Ae/AM/CE/ME 102A | 3-0-6 | Mechanics of Structures and Solids <i>taught concurrently with Ae/ME 160A</i> | 01 | Kochmann, D | TR 14:30 - 15:55 | 101 GUG | G |
| AM/CE/ME 150A | 1-0-0 | Graduate Engineering Seminar | 01 | Andrade, J | A | A | P |
| AM/CE 151A | 3-0-6 | Dynamics and Vibration <i>taught concurrently with ME 66</i> | 01 | Heaton, T | MWF 10:00 - 10:55 | 306 TOM | G |
| CE 180 | 1-5-3 | Experimental Methods in Earthquake Engineering | 01 | Kohler, M | OM,T 13:00 - 15:55 | 110 TOM | |
| CE 200 | + | Advanced Work in Civil Engineering | 01 | Heaton, T | A | A | P |
| CE 300 | + | Research in Civil Engineering | 01 | Beck, J | A | A | P |
| | | | 02 | Hall, J | A | A | P |
| | | | 03 | Heaton, T | A | A | P |
| | | | 04 | Andrade, J | A | A | P |
| | | | 05 | Lapusta, N | A | A | P |
| COMPUTATION & NEURAL SYS | | | | | | | |
| CNS100 | 1-0-0 | Introduction to Computation and Neural Systems | 01 | Perona, P | W 19:00 - 19:55 | 100 - Rock Auditorium BRD | P |
| Psy/CNS 105A | 1.5-0-3.5 | Frontiers in Neuroeconomics | 01 | O'Doherty, J | M 10:30 - 11:55 | 125 BAX | |
| Bi/CNS/NB 150 | 4-0-6 | Introduction to Neuroscience <i>Maximum enrollment: 15 students per section</i> | 01 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 | 100 - Rock Auditorium BRD 101 KRK | |
| | | | | | R 13:30 - 14:25 | | |
| | | | 02 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 | 100 - Rock Auditorium BRD 101 KRK | |
| | | | | | R 15:00 - 15:55 | | |
| 03 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 | 100 - Rock Auditorium BRD 101 KRK | | | | |
| | | R 19:00 - 19:55 | | | | | |
| 04 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 | 100 - Rock Auditorium BRD 101 KRK | | | | |
| | | R 20:00 - 20:55 | | | | | |

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| COMPUTATION & NEURAL SYS | | | | | | | |
| CS/CNS/EE 156A | 3-0-6 | Learning Systems | 01 | Abu-Mostafa, Y | OM,M 17:00 - 17:55 | 070 MRE | |
| CS/CNS 171 | 3-6-3 | Introduction to Computer Graphics Laboratory | 01 | Barr, A | MWF 15:00 - 15:55 | 107 ANB | |
| CNS180 | + | Research in Computation and Neural Systems | 01 | Abu-Mostafa, Y | A | A | P |
| | | | 02 | Anderson, D | A | A | P |
| | | | 03 | O'Doherty, J | A | A | P |
| | | | 04 | Andersen, R | A | A | P |
| | | | 05 | Shimojo, S | A | A | P |
| | | | 06 | Quartz, S | A | A | P |
| | | | 07 | Tsao, D | A | A | P |
| | | | 08 | Dickinson, M | A | A | P |
| | | | 09 | Zewail, A | A | A | P |
| | | | 10 | Koch, C | A | A | P |
| | | | 11 | Rangel, A | A | A | P |
| | | | 12 | Murray, R | A | A | P |
| | | | 13 | Perona, P | A | A | P |
| | | | 14 | Camerer, C | A | A | P |
| | | | 15 | Elowitz, M | A | A | P |
| | | | 16 | Gradinaru, V | A | A | P |
| | | | 17 | Allman, J | A | A | P |
| | | | 18 | Siapas, A | A | A | P |
| | | | 19 | Fraser, S | A | A | P |
| | | | 20 | Patterson, P | A | A | P |
| | | | 21 | Winfree, E | A | A | P |
| | | | 22 | Wold, B | A | A | P |
| | | | 23 | Low, S | A | A | P |
| | | | 24 | Meister, M | A | A | P |
| | | | 25 | Kennedy, M | A | A | P |
| | | | 26 | Adolphs, R | A | A | P |
| | | | 27 | Pine, J | A | A | P |
| | | | 28 | Hoffmann, M | A | A | P |

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| COMPUTATION & NEURAL SYS | | | | | | | |
| CNS180 | + | Research in Computation and Neural Systems | 29 | Krause, R | A | A | P |
| | | | 30 | Prober, D | A | A | P |
| CNS/Bi/Ph/CS/NB 187 | 3-0-6 | Neural Computation | 01 | Perona, P | TR 10:30 - 11:55 | 080 MRE | |
| Bi/CNS/NB 216 | 2-0-4 | Behavior of Mammals | 01 | Allman, J | WF 14:00 - 15:55 | 200 BRD | |
| CNS280 | + | Research in Computation and Neural Systems | 01 | Burdick, J | A | A | P |
| | | | 02 | Meister, M | A | A | P |
| | | | 03 | Koch, C | A | A | P |
| | | | 04 | Andersen, R | A | A | P |
| | | | 05 | Lester, H | A | A | P |
| | | | 06 | O'Doherty, J | A | A | P |
| | | | 07 | Bruck, J | A | A | P |
| | | | 08 | Tsao, D | A | A | P |
| | | | 09 | Koch, C | A | A | P |
| | | | 10 | Konishi, M | A | A | P |
| | | | 11 | Murray, R | A | A | P |
| | | | 12 | Laurent, G | A | A | P |
| | | | 13 | Perona, P | A | A | P |
| | | | 14 | Scherer, A | A | A | P |
| | | | 15 | Quartz, S | A | A | P |
| | | | 16 | Elowitz, M | A | A | P |
| | | | 17 | Shimojo, S | A | A | P |
| | | | 18 | Siapas, A | A | A | P |
| | | | 19 | Sternberg, P | A | A | P |
| | | | 20 | Winfrey, E | A | A | P |
| | | | 21 | Wold, B | A | A | P |
| | | | 22 | Hoffmann, M | A | A | P |
| | | | 23 | Dickinson, M | A | A | P |
| | | | 24 | Allman, J | A | A | P |
| | | | 26 | Adolphs, R | A | A | P |
| | | | 27 | Desbrun, M | A | A | P |

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| COMPUTATION & NEURAL SYS | | | | | | | |
| CNS280 | + | Research in Computation and Neural Systems | 28 | Goddard, W | A | A | P |
| COMPUTER SCIENCE | | | | | | | |
| CS 001 | 3-4-2 | Introduction to Computer Programming | 01 | Vanier, M | MWF 14:00 - 14:55 | Institute Auditorium BCK | P |
| Ma/CS 006A | 3-0-6 | Introduction to Discrete Mathematics | 01 | Wilson, R | MWF 13:00 - 13:55 | 151 SLN | |
| CS 009 | 1-0-0 | Introduction to Computer Science Research | 01 | Umans, C | W 19:30 - 20:25 | 105 ANB | P |
| CS 011 | 0-3-0 | Computer Language Shop <i>CS 1 or instructor's permission is required.</i> | 01 | Pinkston, D / Vanier, M | OM,M 21:00 - 21:55 | 105 ANB | P |
| EE/CS 051 | 4-5-3 | Principles of Microprocessor Systems | 01 | George, G | MWF 15:00 - 16:25 | 070 MRE | |
| EE/CS 053 | 0-12-0 | Microprocessor Project Laboratory | 01 | George, G | OM,W 16:30 - 17:25 | 070 MRE | |
| CS 080A | + | Undergraduate Thesis | 01 | Winfree, E | A | A | P |
| | | | 02 | Chandy, K | A | A | P |
| | | | 03 | Desbrun, M | A | A | P |
| | | | 04 | Schroeder, P | A | A | P |
| | | | 05 | Wierman, A | A | A | P |
| | | | 06 | Barr, A | A | A | P |
| | | | 07 | Ho, T | A | A | P |
| CS 081A | + | Undergraduate Projects in Computer Science | 01 | Chandy, K | A | A | P |
| | | | 02 | Barr, A | A | A | P |
| | | | 03 | Chandy, K | A | A | P |
| | | | 04 | Murray, R | A | A | P |
| | | | 05 | Martin, A | A | A | P |
| | | | 06 | Winfree, E | A | A | P |
| | | | 07 | Perona, P | A | A | P |
| | | | 08 | Schulman, L | A | A | P |

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|-------------------------|-------|--|---------|----------------|--------------------|----------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS 081A | + | Undergraduate Projects in Computer Science | 09 | Ho, T | A | A | P |
| | | | 10 | Vanier, M | A | A | P |
| | | | 11 | Wierman, A | A | A | P |
| | | | 12 | Umans, C | A | A | P |
| | | | 13 | Burdick, J | A | A | P |
| CS 090 | + | Undergraduate Reading in Computer Science | 01 | Chandy, K | A | A | P |
| | | | 02 | Schulman, L | A | A | P |
| | | | 03 | Low, S | A | A | P |
| | | | 04 | Djorgovski, S | A | A | P |
| | | | 05 | Winfrey, E | A | A | P |
| | | | 06 | Schroeder, P | A | A | P |
| | | | 07 | Barr, A | A | A | P |
| | | | 08 | Krause, R | A | A | P |
| | | | 09 | Gray, H | A | A | P |
| | | | 10 | Ho, T | A | A | P |
| | | | 11 | Burdick, J | A | A | P |
| CS 116 | 3-0-6 | Reasoning about Program Correctness | 01 | Joshi, R | TR 13:00 - 14:25 | 107 ANB | |
| CS 121 | 3-0-6 | Introduction to Relational Databases | 01 | Pinkston, D | MWF 11:00 - 11:55 | 105 ANB | |
| EE/Ma/CS 126A | 3-0-6 | Information Theory | 01 | Effros, M | MW 10:30 - 11:55 | 070 MRE | G |
| Ec/CS 133 | 3-0-6 | Electricity Markets | 01 | Ledyard, J | WF 13:00 - 14:25 | 25 BAX | |
| CS/EE 143 | 3-3-3 | Communication Networks | 01 | Low, S | TR 10:30 - 11:55 | 213 ANB | |
| SS/CS 149 | 3-0-6 | Introduction to Algorithmic Economics | 01 | Ligett, K | MW 10:30 - 11:55 | 213 ANB | |
| CS/CNS/EE 156A | 3-0-6 | Learning Systems | 01 | Abu-Mostafa, Y | OM,M 17:00 - 17:55 | 070 MRE | |

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| COMPUTER SCIENCE | | | | | | | | | | |
| CS/CNS 171 | 3-6-3 | Introduction to Computer Graphics Laboratory | 01 | Barr, A | MWF 15:00 - 15:55 | 107 ANB | | | | |
| CS 177 | 3-3-3 | Discrete Differential Geometry: Theory and Applications | 01 | Schroeder, P | TR 10:30 - 11:55 | 314 ANB | | | | |
| CS 180 | + | Master's Thesis Research | 01 | Martin, A | A | A | P | | | |
| | | | 02 | Desbrun, M | A | A | P | | | |
| | | | 03 | Low, S | A | A | P | | | |
| | | | 04 | Chandy, K | A | A | P | | | |
| | | | 05 | Wierman, A | A | A | P | | | |
| | | | 06 | Umans, C | A | A | P | | | |
| | | | 07 | Krause, R | A | A | P | | | |
| | | | 08 | Barr, A | A | A | P | | | |
| | | | 09 | Kitaev, A | A | A | P | | | |
| | | | 10 | Perona, P | A | A | P | | | |
| | | | 12 | Schroeder, P | A | A | P | | | |
| | | | 14 | Winfree, E | A | A | P | | | |
| | | | CS/EE 181A | 3-6-3 | VLSI Design Laboratory | 01 | Martin, A | MW 13:00 - 14:25 | 243 ANB | |
| | | | CNS/Bi/Ph/CS/NB 187 | 3-0-6 | Neural Computation | 01 | Perona, P | TR 10:30 - 11:55 | 080 MRE | |
| Ph/CS 219A | 3-0-6 | Quantum Computation | 01 | Preskill, J | MW 14:30 - 15:55 | 269 LAU | | | | |
| CS 280 | + | Research in Computer Science | 01 | Abu-Mostafa, Y | A | A | P | | | |
| | | | 02 | Chandy, K | A | A | P | | | |
| | | | 03 | Winfree, E | A | A | P | | | |
| | | | 04 | Troian, S | A | A | P | | | |
| | | | 05 | Ligett, K | A | A | P | | | |
| | | | 07 | Low, S | A | A | P | | | |
| | | | 08 | Martin, A | A | A | P | | | |
| | | | 10 | Perona, P | A | A | P | | | |
| | | | 11 | Schroeder, P | A | A | P | | | |

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| COMPUTER SCIENCE | | | | | | | |
| CS 280 | + | Research in Computer Science | 12 | Schulman, L | A | A | P |
| | | | 13 | Cvitanic, J | A | A | P |
| | | | 14 | Umans, C | A | A | P |
| | | | 15 | Desbrun, M | A | A | P |
| | | | 16 | Kitaev, A | A | A | P |
| | | | 17 | Wierman, A | A | A | P |
| CS 286A | 3-0-6 | Seminar in Computer Science | 01 | Ligett, K | M 13:00 - 15:55 | 314 ANB | |
| CONTROL & DYNAMICAL SYSTEMS | | | | | | | |
| CDS090A | 0-0-9 | Senior Thesis in Control and Dynamical Systems | 01 | Murray, R | OM,M 15:00 - 15:55 | 106 ANB | G |
| | | | | Staff | OM,A | A | G |
| | | | Do not create more sections | | | | |
| CDS101 | 2-0-4 | Design and Analysis of Feedback Systems | 01 | MacMartin, D | MW 14:00 - 14:55 | 105 ANB | |
| CDS110A | 3-0-9 | Introductory Control Theory | 01 | MacMartin, D | MWF 14:00 - 14:55 | 105 ANB | |
| CDS190 | + | Independent Work in Control and Dynamical Systems <i>offered Pass/Fail only</i> | 01 | Murray, R | A | A | P |
| CDS201 | 3-0-6 | Linear Algebra and Applied Operator Theory <i>taught concurrently with AM 125A & ACM104</i> | 01 | Beck, J | TR 10:30 - 11:55 | 105 ANB | |
| CDS212 | 3-0-6 | Introduction to Modern Control <i>Class Cancelled</i> | 01 | Doyle, J | A | A | P |
| CDS300A | + | Research in Control and Dynamical Systems | 01 | Dickinson, M | A | A | P |
| | | | 03 | Doyle, J | A | A | P |
| | | | 04 | Owhadi, H | A | A | P |
| | | | 06 | Dabiri, J | A | A | P |
| | | | 07 | Beck, J | A | A | P |
| | | | 08 | Murray, R | A | A | P |

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| CONTROL & DYNAMICAL SYSTEMS | | | | | | | |
| CDS300A | + | Research in Control and Dynamical Systems | 10 | Burdick, J | A | A | P |
| | | | 11 | Elowitz, M | A | A | P |
| | | | 12 | Desbrun, M | A | A | P |
| | | | 13 | Ortiz, M | A | A | P |
| | | | 14 | Goentoro, L | A | A | P |
| | | | 15 | Adolphs, R | A | A | P |
| ECONOMICS | | | | | | | |
| Ec 011 | 3-2-4 | Introduction to Economics | 01 | Plott, C | MWF 13:00 - 13:55 | Lecture Hall BAX | G |
| Ec 097 | + | Undergraduate Research | 01 | Staff | A | A | P |
| Ec 098A | + | Senior Research and Thesis | 01 | Makarov, N | A | A | P |
| | | | 02 | Ledyard, J | A | A | P |
| | | | 03 | Rangel, A | A | A | P |
| | | | 04 | Shum, M | A | A | P |
| Ec 105 | 3-0-6 | Industrial Organization <i>Class cancelled</i> | 01 | Shum, M | A | A | G |
| Ec/Psy 109 | 3-0-6 | Frontiers in Behavioral Economics | 01 | Camerer, C | TR 10:30 - 11:55 | 127 BAX | |
| Ec 121A | 3-0-6 | Theory of Value <i>Maximum enrollment: 15 students</i> | 01 | Saito, K | MW 14:30 - 15:55 | 127 BAX | G |
| Ec 122 | 3-0-6 | Econometrics <i>Maximum Enrollment: 35 students</i> | 01 | Sherman, R | TR 13:00 - 14:25 | 125 BAX | |
| Ec/CS 133 | 3-0-6 | Electricity Markets | 01 | Ledyard, J | WF 13:00 - 14:25 | 25 BAX | |
| Ec 135 | 3-0-6 | Economics of Uncertainty and Information | 01 | Agranov, M | TR 10:30 - 11:55 | 228 BAX | G |
| Ec/PS 160A | 3-3-3 | Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Ec/PS 190A</i> | 01 | Plott, C | TR 09:00 - 10:25 | 127 BAX | G |

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|-------------------------------|--------|---|---------|------------------------|--------------------|----------|--------------|
| ECONOMICS | | | | | | | |
| Ec 181 | 3-0-6 | Convex Analysis and Economic Theory | 01 | Border, K | TR 10:30 - 11:55 | 128 BAX | G |
| Ec 190 | + | Undergraduate Research | 01 | Alvarez, R | A | A | P |
| ELECTRICAL ENGINEERING | | | | | | | |
| APh/EE 009A | 2-2-2 | Solid-State Electronics for Integrated Circuits | 01 | Scherer, A / Potter, K | TR 13:00 - 13:55 | 070 MRE | |
| EE 044 | 3-0-6 | Circuits and Systems | 01 | Hajimiri, S | TR 09:00 - 10:25 | 070 MRE | G |
| EE/CS 051 | 4-5-3 | Principles of Microprocessor Systems | 01 | George, G | MWF 15:00 - 16:25 | 070 MRE | |
| EE/CS 053 | 0-12-0 | Microprocessor Project Laboratory | 01 | George, G | OM,W 16:30 - 17:25 | 070 MRE | |
| EE 080A | + | Senior Thesis | 01 | Potter, K | A | A | P |
| EE 091A | + | Experimental Projects in Electronic Circuits <i>Units by arrangement; 12 units minimum each term</i> | 01 | Megdal, B | OM,T 16:00 - 16:55 | 080 MRE | G |
| EE 099 | + | Advanced Work in Electrical Engineering | 01 | Scherer, A | A | A | P |
| | | | 02 | Tai, Y | A | A | P |
| | | | 03 | Perona, P | A | A | P |
| | | | 04 | George, G | A | A | P |
| | | | 05 | Hajimiri, S | A | A | P |
| | | | 06 | Yang, C | A | A | P |
| | | | 07 | Burdick, J | A | A | P |
| | | | 08 | Choo, H | A | A | P |
| | | | 09 | Emami-Neyestanak, A | A | A | P |
| EE 105A | 1-0-0 | Electrical Engineering Seminar | 01 | Hassibi, B | A | A | P |

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| ELECTRICAL ENGINEERING | | | | | | | |
| EST/EE/ME 109 | 3-0-6 | Energy Technology and Policy | 01 | Rutledge, D | TR 14:30 - 15:55 | 107 ANB | |
| EE 111 | 3-0-6 | Signal-Processing Systems and Transforms | 01 | Vaidyanathan, P | TR 13:00 - 14:25 | 080 MRE | |
| EE/MedE 115 | 3-0-6 | Micro-/Nano-scales Electro-Optics | 01 | Choo, H | MW 14:30 - 15:55 | 080 MRE | G |
| ACM/EE 116 | 3-0-6 | Introduction to Stochastic Processes and Modeling <i>change in class time</i> | 01 | Owhadi, H | TR 09:00 - 10:25 | 105 ANB | |
| Ph/APh/EE/BE 118A | 3-0-6 | Physics of Measurement | 01 | Roukes, M | TR 14:30 - 15:55 | 57 BRG | |
| EE/Ma/CS 126A | 3-0-6 | Information Theory | 01 | Effros, M | MW 10:30 - 11:55 | 070 MRE | G |
| APh/EE 130 | 3-0-6 | Electromagnetic Theory | 01 | Crosignani, B | TR 09:00 - 10:25 | 080 MRE | |
| CS/EE 143 | 3-3-3 | Communication Networks | 01 | Low, S | TR 10:30 - 11:55 | 213 ANB | |
| CS/CNS/EE 156A | 3-0-6 | Learning Systems | 01 | Abu-Mostafa, Y | OM,M 17:00 - 17:55 | 070 MRE | |
| EE/Ae 157A | 3-0-6 | Introduction to the Physics of Remote Sensing | 01 | van Zyl, J | M 14:30 - 15:55 R 13:00 - 14:25 | 104 WAT 104 WAT | |
| CS/EE 181A | 3-6-3 | VLSI Design Laboratory | 01 | Martin, A | MW 13:00 - 14:25 | 243 ANB | |
| EE 291 | + | Advanced Work in Electrical Engineering | 01 02 03 04 05 06 | Hoffmann, M Yang, C Bruck, J Burdick, J Ho, T Doyle, J | A A A A A A | A A A A A A | P P P P P P |

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| ELECTRICAL ENGINEERING | | | | | | | |
| EE 291 | + | Advanced Work in Electrical Engineering | 07 | Effros, M | A | A | P |
| | | | 08 | Psaltis, D | A | A | P |
| | | | 09 | Koch, C | A | A | P |
| | | | 10 | Martin, A | A | A | P |
| | | | 11 | Hajimiri, S | A | A | P |
| | | | 12 | Schulman, L | A | A | P |
| | | | 13 | Low, S | A | A | P |
| | | | 14 | McEliece, R | A | A | P |
| | | | 15 | Hassibi, B | A | A | P |
| | | | 16 | Murray, R | A | A | P |
| | | | 17 | Perona, P | A | A | P |
| | | | 18 | Vaidyanathan, P | A | A | P |
| | | | 19 | Psaltis, D | A | A | P |
| | | | 20 | Tai, Y | A | A | P |
| | | | 21 | Yariv, A | A | A | P |
| | | | 22 | Quartz, S | A | A | P |
| | | | 23 | Rutledge, D | A | A | P |
| | | | 24 | Roukes, M | A | A | P |
| | | | 25 | Scherer, A | A | A | P |
| | | | 26 | Avouac, J | A | A | P |
| | | | 27 | Vahala, K | A | A | P |
| | | | 28 | Zmuidzinas, J | A | A | P |
| | | | 29 | Atwater, H | A | A | P |
| | | | 30 | Kimble, H | A | A | P |
| | | | 31 | Heath, J | A | A | P |
| | | | 32 | Weinreb, S | A | A | P |
| | | | 33 | Emami-Neyestanak, A | A | A | P |
| | | | 34 | George, G | A | A | P |
| | | | 35 | Abu-Mostafa, Y | A | A | P |
| | | | 36 | Painter, O | A | A | P |
| | | | 37 | Gharib, M | A | A | P |
| | | | 38 | Choo, H | A | A | P |
| | | | 39 | Cvitanić, J | A | A | P |

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| ELECTRICAL ENGINEERING | | | | | | | |
| EE 291 | + | Advanced Work in Electrical Engineering | 40 | Faraon, A | A | A | P |
| | | | 41 | Pellegrino, S | A | A | P |
| | | | 42 | Chandrasekaran, V | A | A | P |
| ENERGY SCIENCE AND TECHNOLOGY | | | | | | | |
| EST/EE/ME 109 | 3-0-6 | Energy Technology and Policy | 01 | Rutledge, D | TR 14:30 - 15:55 | 107 ANB | |
| ENGINEERING | | | | | | | |
| E 002 | 1-0-0 | Frontiers in Engineering and Applied Science | 01 | Rosakis, A | W 12:00 - 12:55 | 105 ANB | P |
| E 010 | 1-0-2 | Technical Seminar Presentations <i>Maximum enrollment: 6 students per section</i> | 01 | Fender, A | OM,T 19:00 - 19:55 M 09:00 - 09:55 | 142 KCK | G |
| | | | 02 | Fender, A | OM,T 19:00 - 19:55 M 10:00 - 10:55 | 142 KCK | G |
| | | | 03 | Fender, A | OM,T 19:00 - 19:55 M 11:00 - 11:55 | 142 KCK | G |
| | | | 04 | Fender, A | OM,T 19:00 - 19:55 W 09:00 - 09:55 | 142 KCK | G |
| | | | 05 | Fender, A | OM,T 19:00 - 19:55 W 10:00 - 10:55 | 142 KCK | G |
| | | | 06 | Fender, A | OM,T 19:00 - 19:55 W 11:00 - 11:55 | 142 KCK | G |
| | | | 07 | Fender, A | OM,T 19:00 - 19:55 F 09:00 - 09:55 | 142 KCK | G |
| | | | 08 | Fender, A | OM,T 19:00 - 19:55 F 10:00 - 10:55 | 142 KCK | G |
| | | | 09 | Fender, A | OM,T 19:00 - 19:55 F 11:00 - 11:55 | 142 KCK | G |
| | | | E/ME 103 | 3-0-6 | Management of Technology | 01 | Pickar, K |

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| ENGINEERING | | | | | | | |
| E 110 | 1-0-1 | Principles of University Teaching in STEM | 01 | Horii, C | T 09:30 - 10:25 | 142 KCK | P |
| ENGLISH | | | | | | | |
| Hum/En 005 | 3-0-6 | Major British Authors <i>Attendance at the first class is required //</i> <i>Maximum enrollment: 15 students // Class closed</i> <i>to continuing students until term start.</i> | 01 | Jahner, J | TR 14:30 - 15:55 | 115 DAB | |
| | | | 02 | Pigman, G | TR 14:30 - 15:55 | TR DAB | |
| | | | 03 | Gilmore, D | TR 14:30 - 15:55 | MRG LIB KKK | |
| | | | 04 | Haugen, K | T 19:00 - 21:55 | 115 DAB | |
| | | | 05 | Haugen, K | W 19:00 - 21:55 | 115 DAB | |
| Hum/En 006 | 3-0-6 | American Literature and Culture <i>Attendance at the first class is required //</i> <i>Maximum Enrollment: 15 students // Class</i> <i>closed to continuing students until term start.</i> | 01 | Jurca, C | W 13:00 - 15:55 | 33 BAX | |
| En 089 | 3-0-6 | Writing the News - Journalistic Writing <i>Class cancelled</i> | 01 | Kipling, R | A | A | |
| En 098 | + | Reading in English | 01 | Gilmartin, K | A | A | P |
| En 099A | 1-0-8 | Senior Tutorial for English Majors | 01 | Gilmartin, K | A | A | G |
| | | | 02 | Pigman, G | A | A | G |
| | | | 03 | Weinstein, C | A | A | G |
| | | | 04 | Gilmore, D | A | A | G |
| | | | 05 | Jurca, C | A | A | G |
| | | | 06 | Haugen, K | A | A | G |
| | | | 07 | Hunter, C | A | A | G |
| En 116 | 3-0-6 | Milton <i>Maximum enrollment: 15 students</i> | 01 | Pigman, G | TR 13:00 - 14:25 | TR DAB | G |
| En 123 | 3-0-6 | The 19th-Century English Novel <i>Maximum enrollment: 20 students</i> | 01 | Gilmore, D | W 13:00 - 15:55 | TR DAB | G |
| En 132 | 3-0-6 | American Literature Until the Civil War <i>Maximum enrollment: 15 students</i> | 01 | Spires, D | TR 13:00 - 14:25 | 19 BAX | G |

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| ENGLISH | | | | | | | |
| En 141 | 3-0-6 | James and Wharton | 01 | Jurca, C | TR 13:00 - 14:25 | 115 DAB | |
| En 189 | 3-0-6 | Literature and Law in Medieval England <i>Maximum enrollment: 20 students</i> | 01 | Jahner, J | TR 10:30 - 11:55 | 33 BAX | G |
| ENGLISH AS A SECOND LANGUAGE | | | | | | | |
| ESL101A | 3-0-0 | Oral Communication and Pronunciation | 01 | Geasland, J | MW 17:00 - 18:25 | 142 KCK | P |
| ENVIRONMENTAL SCIENCE & ENGINEERING | | | | | | | |
| ESE090 | + | Undergraduate Laboratory Research in Environmental Science and Engineering | 01 | Thompson, A | A | A | P |
| ESE100 | + | Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i> | 01 | Adkins, J | A | A | P |
| | | | 02 | Flagan, R | A | A | P |
| | | | 03 | Hoffmann, M | A | A | P |
| | | | 04 | Schneider, T | A | A | P |
| | | | 05 | Seinfeld, J | A | A | P |
| | | | 06 | Sessions, A | A | A | P |
| | | | 07 | Wennberg, P | A | A | P |
| ESE101 | 3-0-6 | Earth's Atmosphere | 01 | Ingersoll, A | TR 13:00 - 14:25 | 162 SMD | |
| ESE102 | 3-0-6 | Earth's Oceans | 01 | Adkins, J | MWF 13:00 - 13:55 | 215 NMD | |
| ESE104 | 1-0-0 | Current Problems in Environmental Science and Engineering | 01 | Thompson, A | R 12:00 - 12:55 | 162 SMD | P |
| 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 |

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| ENVIRONMENTAL SCIENCE & ENGINEERING | | | | | | | |
| ESE105 | + | Research in Environmental Science and Engineering | 07 | Ingersoll, A | A | A | P |
| | | | 08 | Lamb, M | A | A | P |
| | | | 09 | Leadbetter, J | A | A | P |
| | | | 10 | Newman, D | A | A | P |
| | | | 11 | Okumura, M | A | A | P |
| | | | 12 | Orphan, V | A | A | P |
| | | | 13 | Schneider, T | A | A | P |
| | | | 14 | Seinfeld, J | A | A | P |
| | | | 15 | Sessions, A | A | A | P |
| | | | 16 | Wennberg, P | A | A | P |
| | | | 17 | Yung, Y | A | A | P |
| | | | 18 | Thompson, A | A | A | P |
| ESE110A | 1-0-0 | Seminar in Environmental Science and Engineering | 01 | Adkins, J | W 16:00 - 16:55 | 365 SMD | P |
| ESE130 | 3-0-6 | Atmosphere Dynamics | 01 | Bordoni, S | MWF 14:00 - 14:55 | 135 L+R | |
| ESE/Bi 166 | 3-1-5 | Microbial Physiology | 01 | Leadbetter, J | MWF 10:00 - 10:55 | 162 SMD | |
| ESE/Ge/Ch 172 | 3-0-0 | Atmospheric Chemistry II | 01 | Wennberg, P / Seinfeld, J | T 14:30 - 15:55 | 106 SPL | P |
| ESE300 | + | Thesis Research | 01 | Sessions, A | A | A | P |
| | | | 02 | Ingersoll, A | A | A | P |
| | | | 03 | Hering, J | A | A | P |
| | | | 04 | Hoffmann, M | A | A | P |
| | | | 05 | Bordoni, S | A | A | P |
| | | | 06 | Adkins, J | A | A | P |
| | | | 08 | Leadbetter, J | A | A | P |
| | | | 09 | Seinfeld, J | A | A | P |
| | | | 10 | Wennberg, P | A | A | P |
| | | | 11 | Yung, Y | A | A | P |
| | | | 12 | Schneider, T | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------|--|---------|--------------|---------------------------------------|--------------------|--------------|
| ENVIRONMENTAL SCIENCE & ENGINEERING | | | | | | | |
| ESE300 | + | Thesis Research | 13 | Eiler, J | A | A | P |
| | | | 14 | Orphan, V | A | A | P |
| | | | 15 | Okumura, M | A | A | P |
| | | | 16 | Ponce, A | A | A | P |
| | | | 17 | Thompson, A | A | A | P |
| FILM | | | | | | | |
| L/F 109 | 3-0-6 | Introduction to French Cinema from Its Beginning to the Present | 01 | Orcel, C | W 19:00 - 20:25 | 117 DAB | |
| | | | | | U 10:00 - 11:25 | 117 DAB | |
| FRESHMAN SEMINARS | | | | | | | |
| FS/Ph 004 | 2-0-4 | Freshman Seminar: Gravitational Waves | 01 | Weinstein, A | OM,M 15:00 - 15:55 | 107 DWN | P |
| FS/Ph 009 | 2-0-4 | Freshman Seminar: The Science of Music <i>Maximum enrollment: 11 students</i> | 01 | Politzer, H | MW 13:00 - 13:55 | 248 LAU | P |
| FS/Ph 011A | 2-0-4 | Freshman Seminar: Research Tutorial | 01 | Tombrello, T | A | 201 SLN | P |
| FS/Bi/Ph 013 | 2-0-4 | Freshman Seminar: In Search of Memory <i>Maximum enrollment: 13 students</i> | 01 | Pine, J | T 14:00 - 15:55 | 248 LAU | P |
| FS/Ph 014 | 2-0-4 | Freshman Seminar: Albatrosses, Beetles and Cetaceans | 01 | Stevenson, D | F 13:00 - 13:55 M 19:00 - 19:55 | 176 SMD 176 SMD | P |
| FS/Ge 016 | 2-0-4 | Freshman Seminar: Earthquakes <i>Field Trip Dates: Nov 16-18</i> | 01 | Stock, J | T 14:00 - 15:55 | 215 NMD | P |
| GEOLOGY | | | | | | | |
| Ge 011A | 3-3-3 | Introduction to Earth and Planetary Sciences: Earth as a Planet <i>Field Trip Dates: Oct. 19, Nov. 16, Nov. 26</i> | 01 | Saleeby, J | MWF 14:00 - 14:55 TR 19:00 - 20:55 | 215 NMD 267 ARM | |
| FS/Ge 016 | 2-0-4 | Freshman Seminar: Earthquakes <i>Field Trip Dates: Nov 16-18</i> | 01 | Stock, J | T 14:00 - 15:55 | 215 NMD | P |

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|-----------------|-------|--|---------|---------------|---------------------------------------|--------------------|--------------|
| GEOLOGY | | | | | | | |
| Ge 040 | + | Special Problems for Undergraduates | 01 | Avouac, J | A | A | P |
| | | | 02 | Kirschvink, J | A | A | P |
| | | | 03 | Stock, J | A | A | P |
| | | | 04 | Lamb, M | A | A | P |
| | | | 05 | Adkins, J | A | A | P |
| | | | 06 | Jackson, J | A | A | P |
| | | | 07 | Ingersoll, A | A | A | P |
| Ge 041A | + | Undergraduate Research and Bachelor's Thesis | 01 | Orphan, V | A | A | P |
| | | | 02 | Saleeby, J | A | A | P |
| | | | 03 | Asimow, P | A | A | P |
| | | | 04 | Orphan, V | A | A | P |
| | | | 05 | Saleeby, J | A | A | P |
| | | | 06 | Stolper, E | A | A | P |
| | | | 07 | Brown, M | A | A | P |
| | | | 08 | Grotzinger, J | A | A | P |
| | | | 09 | Stock, J | A | A | P |
| Ge 101 | 4-0-8 | Introduction to Geology and Geochemistry <i>Field Trip: Friday, Nov. 1 through Sunday, Nov. 3</i> | 01 | Wernicke, B | MWF 11:00 - 11:55 | 215 NMD | |
| Ge 104 | 3-0-6 | Introduction to Geobiology <i>Class Cancelled</i> | 01 | Fischer, W | A | A | |
| Ge 108 | 3-0-6 | Applications of Physics to the Earth Sciences | 01 | Brown, M | TR 09:00 - 10:25 | 176 SMD | |
| Ge 110 | 0-3-0 | Geographic Information System for Geology and Planetary Sciences | 01 | Avouac, J | M 14:00 - 14:55 R 13:00 - 14:25 | 309 NMD 309 NMD | |
| Ge 112 | 3-5-4 | Sedimentology and Stratigraphy <i>Field Trip Dates: Oct 11, Oct 25, Nov 15-17, Nov 22</i> | 01 | Dromart, G | MW 09:00 - 10:25 | 251 ARM | |
| Ge 114A | 3-4-2 | Mineralogy | 01 | Rossman, G | MTR 15:00 - 15:55 TR 16:00 - 17:55 | 251 ARM 251 ARM | |

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|-----------------|-------|--|----------|---------------------------|--|-------------------------------|--------------|
| GEOLOGY | | | | | | | |
| Ge 114B | 0-2-1 | Mineralogy Laboratory | 01 | Rossmann, G | W 15:00 - 16:55 | 267 ARM | |
| Ge 121A | 0-9-3 | Advanced Field Geology <i>Field Trip Dates: October 2-10</i> | 01 | Lamb, M | OM,T 17:00 - 18:55 | 267 ARM | |
| Ge/Ch 127 | 3-0-6 | Nuclear Chemistry | 01 | Burnett, D | OM,M 17:10 - 17:55 | 015 NMD | |
| Ge/Ay 133 | 3-0-6 | The Formation and Evolution of Planetary Systems | 01 | Knutson, H | MWF 14:00 - 14:55 | 162 SMD | |
| Ge 136A | 1-0-2 | Regional Field Geology of the Southwestern United States <i>Field Trip Dates: section 1 - Nov 8-10, section 2 - Nov 22-24</i> | 01 02 | Kirschvink, J Stock, J | OM,R 10:00 - 10:25 R 13:00 - 13:55 | 251 ARM 251 ARM | P P |
| Ge 145 | 1-4-4 | Isotope-Ratio Mass Spectrometry | 01 | Sessions, A | T 09:00 - 09:55 T 13:00 - 15:55 | 015 NMD 067 SMD | |
| Ge 151 | 3-3-3 | Fundamentals of Planetary Surfaces <i>Field Trip Dates: Nov 15-17</i> | 01 | Ehlmann, B | TR 09:00 - 10:25 | 162 SMD | |
| Ae/Ge/ME 160A | 3-0-6 | Continuum Mechanics of Fluids and Solids <i>updated class time</i> | 01 | Kochmann, D | TR 14:30 - 15:55 | 101 GUG | G |
| Ge 161 | 3-0-6 | Plate Tectonics | 01 | Stock, J | TR 09:00 - 10:25 | 215 NMD | |
| Ge 167 | 3-0-6 | Tectonic Geodesy | 01 | Simons, M | TR 10:30 - 11:55 | 162 SMD | |
| ESE/Ge/Ch 172 | 3-0-0 | Atmospheric Chemistry II | 01 | Wennberg, P / Seinfeld, J | T 14:30 - 15:55 | 106 SPL | P |
| Bi/Ge 180 | 2-6-1 | Methods in Molecular Genetics | 01 | Bertani, L | T 13:00 - 13:55 TR 13:00 - 16:55 R 13:00 - 13:25 | 101 KRK 317 KRK 101 KRK | P |
| Ge 194 | 1-1-1 | Special Topics in the Planetary Sciences | 01 | Brown, M | W 12:00 - 12:55 | 162 SMD | |

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| GEOLOGY | | | | | | | |
| Ge 197 | 2-0-4 | Special Topics in Geobiology: Oxygen | 01 | Fischer, W | R 09:00 - 10:55 | 151 ARM | |
| Ge 212 | 3-0-6 | Thermodynamics of Geological Systems | 01 | Asimow, P | MWF 10:00 - 10:55 | 267 ARM | |
| Ge 297 | + | Advanced Study | 01 | Adkins, J | A | A | P |
| | | | 02 | Wennberg, P | A | A | P |
| | | | 03 | Clayton, R | A | A | P |
| | | | 04 | Asimow, P | A | A | P |
| | | | 05 | Blake, G | A | A | P |
| | | | 06 | Stock, J | A | A | P |
| | | | 07 | Eiler, J | A | A | P |
| | | | 08 | Farley, K | A | A | P |
| | | | 09 | Jackson, J | A | A | P |
| | | | 10 | Bordoni, S | A | A | P |
| | | | 11 | Gurnis, M | A | A | P |
| | | | 12 | Grotzinger, J | A | A | P |
| | | | 13 | Helmberger, D | A | A | P |
| | | | 14 | Rossmann, G | A | A | P |
| | | | 15 | Schneider, T | A | A | P |
| | | | 16 | Kirschvink, J | A | A | P |
| | | | 17 | Kulkarni, S | A | A | P |
| | | | 18 | Ingersoll, A | A | A | P |
| | | | 19 | Brown, M | A | A | P |
| | | | 20 | Ehlmann, B | A | A | P |
| | | | 24 | Saleeby, J | A | A | P |
| | | | 26 | Simons, M | A | A | P |
| | | | 27 | Stevenson, D | A | A | P |
| | | | 29 | Stolper, E | A | A | P |
| | | | 30 | Lamb, M | A | A | P |
| | | | 31 | Fischer, W | A | A | P |
| | | | 35 | Orphan, V | A | A | P |
| | | | 36 | Yung, Y | A | A | P |

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| GEOLOGY | | | | | | | |
| Ge 297 | + | Advanced Study | 37 | Avouac, J | A | A | P |
| | | | 38 | Lapusta, N | A | A | P |
| | | | 39 | Aharonson, O | A | A | P |
| | | | 40 | Wernicke, B | A | A | P |
| | | | 41 | Newman, D | A | A | P |
| | | | 42 | Sessions, A | A | A | P |
| | | | 43 | Ampuero Saenz, J | A | A | P |
| | | | 44 | Tsai, V | A | A | P |
| | | | 45 | Knutson, H | A | A | P |
| | | | 46 | Ampuero Saenz, J | A | A | P |
| Ge 299 | + | Thesis Research | 01 | Adkins, J | A | A | P |
| | | | 02 | Ehlmann, B | A | A | P |
| | | | 03 | Heaton, T | 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 | Grotzinger, J | A | A | P |
| | | | 10 | Gurnis, M | A | A | P |
| | | | 11 | Burnett, D | A | A | P |
| | | | 12 | Helmberger, D | A | A | P |
| | | | 13 | Ingersoll, A | A | A | P |
| | | | 14 | Jackson, J | A | A | P |
| | | | 15 | Simons, M | A | A | P |
| | | | 16 | Avouac, J | A | A | P |
| 17 | Newman, D | A | A | P | | | |
| 18 | Ampuero Saenz, J | A | A | P | | | |
| 19 | Lapusta, N | A | A | P | | | |
| 20 | Rossmann, G | A | A | P | | | |
| 21 | Fischer, W | A | A | P | | | |
| 22 | Saleeby, J | A | A | P | | | |
| | | | 24 | Sessions, A | A | A | P |

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|-----------------|-------|--|---------|---------------|------------------|----------|--------------|
| GEOLOGY | | | | | | | |
| Ge 299 | + | Thesis Research | 25 | Stevenson, D | A | A | P |
| | | | 26 | Stock, J | A | A | P |
| | | | 27 | Stolper, E | A | A | P |
| | | | 32 | Wernicke, B | A | A | P |
| | | | 34 | Yung, Y | A | A | P |
| | | | 35 | Aharonson, O | A | A | P |
| | | | 36 | Kirschvink, J | A | A | P |
| | | | 37 | Orphan, V | A | A | P |
| | | | 38 | Schneider, T | A | A | P |
| HISTORY | | | | | | | |
| Hum/H 002 | 3-0-6 | American History <i>Attendance at the first class is required //</i> <i>Maximum enrollment: 15 students per section //</i> <i>Close closed to continuing students until term start</i> | 01 | Kousser, J | TR 14:30 - 15:55 | 127 BAX | G |
| | | | 02 | Kousser, J | T 19:30 - 21:25 | 127 BAX | G |
| | | | | | R 19:30 - 20:25 | 127 BAX | |
| Hum/H 003B | 3-0-6 | European Civilization: Early Modern Europe <i>Attendance at the first class is required /</i> <i>Maximum enrollment: 15 students // Class will meet in 128 Bax on 10/29, 10/31 and 11/26</i> | 01 | Wey-Gomez, N | TR 09:00 - 10:25 | TR DAB | |
| Hum/H 003C | 3-0-6 | European Civilization: Modern Europe <i>Attendance at the first class is required //</i> <i>Maximum enrollment: 15 students // Close closed to continuing students until term start</i> | 01 | Dennison, T | TR 14:30 - 15:55 | 117 DAB | |
| H 098 | + | Reading in History | 01 | Hoffman, P | A | A | P |
| H 099A | 1-0-8 | Research Tutorial | 01 | Hoffman, P | A | A | |
| | | | 02 | Brown, W | A | A | |
| | | | 03 | Kiewiet, D | A | A | |
| | | | 04 | Dennison, T | A | A | |
| | | | 05 | Brewer, J | A | A | |
| | | | 06 | Buchwald, J | A | A | |
| | | | 07 | Wey-Gomez, N | A | A | |

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|--|-------|---|---------|--------------|------------------------------------|--------------------|--------------|
| HISTORY | | | | | | | |
| H/An 123 | 3-0-6 | Anthropological Demography <i>Open by lottery only - See REGIS home page for details // Maximum enrollment: 15 students</i> | 01 | Jennings, J | TR 14:30 - 15:55 | 110 STL | G |
| Art/H 153 | 3-0-6 | West Coast Art since the Sixties <i>Maximum enrollment: 15 students</i> | 01 | Robbins, C | TR 10:30 - 11:55 | 117 DAB | G |
| H/HPS 185 | 3-0-6 | Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>Maximum enrollment: 20 students</i> | 01 | Wey-Gomez, N | TR 13:00 - 14:25 | 127 BAX | |
| H/L 191 | 3-0-6 | Perspectives on History through German Literature <i>Maximum enrollment: 15 students</i> | 01 | Dennison, T | TR 10:30 - 11:55 | 115 DAB | G |
| HISTORY AND PHILOSOPHY OF SCIENCE | | | | | | | |
| HPS098 | + | Reading in History and Philosophy of Science | 01 | Manning, G | A | A | P |
| HPS102A | + | Senior Research Seminar | 01 | Feingold, M | A | A | P |
| HPS103 | 1-0-0 | Public Lecture Series | 01 | Feingold, M | A | A | P |
| HPS/PI 120 | 3-0-6 | Introduction to Philosophy of Science <i>Maximum enrollment: 25 students</i> | 01 | Hitchcock, C | TR 10:30 - 11:55 | 125 BAX | |
| HPS/PI 124 | 3-0-6 | Philosophy of Space and Time <i>Maximum enrollment: 25 students</i> | 01 | Hitchcock, C | TR 14:30 - 15:55 | 125 BAX | |
| H/HPS 185 | 3-0-6 | Angels and Monsters: Cosmology, Anthropology, and the Ends of the World <i>Maximum enrollment: 20 students</i> | 01 | Wey-Gomez, N | TR 13:00 - 14:25 | 127 BAX | |
| HUMANITIES | | | | | | | |
| Hum/H 002 | 3-0-6 | American History <i>Attendance at the first class is required // Maximum enrollment: 15 students per section // Close closed to continuing students until term</i> | 01 | Kousser, J | TR 14:30 - 15:55 | 127 BAX | G |
| | | | 02 | Kousser, J | T 19:30 - 21:25 R 19:30 - 20:25 | 127 BAX 127 BAX | G |

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|-------------------|-------|--|----------------------------|--|--|--|--------------|
| HUMANITIES | | | | | | | |
| Hum/H 003B | 3-0-6 | European Civilization: Early Modern Europe <i>Attendance at the first class is required / Maximum enrollment: 15 students // Class will meet in 128 Bax on 10/29, 10/31 and 11/26</i> | 01 | Wey-Gomez, N | TR 09:00 - 10:25 | TR DAB | |
| Hum/H 003C | 3-0-6 | European Civilization: Modern Europe <i>Attendance at the first class is required // Maximum enrollment: 15 students // Close closed to continuing students until term start</i> | 01 | Dennison, T | TR 14:30 - 15:55 | 117 DAB | |
| Hum/En 005 | 3-0-6 | Major British Authors <i>Attendance at the first class is required // Maximum enrollment: 15 students // Class closed to continuing students until term start.</i> | 01 02 03 04 05 | Jahner, J Pigman, G Gilmore, D Haugen, K Haugen, K | TR 14:30 - 15:55 TR 14:30 - 15:55 TR 14:30 - 15:55 T 19:00 - 21:55 W 19:00 - 21:55 | 115 DAB TR DAB MRG LIB KRK 115 DAB 115 DAB | |
| Hum/En 006 | 3-0-6 | American Literature and Culture <i>Attendance at the first class is required // Maximum Enrollment: 15 students // Class closed to continuing students until term start.</i> | 01 | Jurca, C | W 13:00 - 15:55 | 33 BAX | |
| Hum/PI 008 | 3-0-6 | Right and Wrong <i>Attendance at the first class is required // Maximum enrollment: 15 students per section // Class closed to continuing students until term start</i> | 01 02 | Quartz, S Quartz, S | TR 13:00 - 14:25 TR 14:30 - 15:55 | 128 BAX 128 BAX | |
| Hum/PI 009 | 3-0-6 | Knowledge and Reality <i>Attendance at the first class is required // Maximum enrollment: 15 students per section // Class closed to continuing students until term start.</i> | 01 02 | Eberhardt, F Eberhardt, F | TR 09:00 - 10:25 TR 14:30 - 15:55 | 33 BAX 3 BBB | |
| LANGUAGES | | | | | | | |
| L 102A | 3-0-6 | Elementary French | 01 | Orcel, C | MTW 12:00 - 12:55 | 228 BAX | |
| L 103A | 3-0-6 | Intermediate French | 01 | Merrill, T | MWR 12:00 - 12:55 | 33 BAX | |

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| LANGUAGES | | | | | | | |
| L 106A | 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 | 115 BCK | |
| | | | 02 | Toner, R | MTWR 16:00 - 16:55 | 115 BCK | |
| L 107A | 5-1-4 | Intermediate Japanese <i>Maximum Enrollment: 20 students</i> | 01 | Hirata, K | TWR 12:00 - 12:55 | 128 BAX | G |
| L 108A | 3-1-6 | Advanced Japanese <i>Maximum Enrollment: 20 students</i> | 01 | Hirata, K | MW 14:00 - 14:55 | 117 DAB | G |
| | | | | | R 09:00 - 09:55 | 117 DAB | |
| L/F 109 | 3-0-6 | Introduction to French Cinema from Its Beginning to the Present | 01 | Orcel, C | W 19:00 - 20:25 U 10:00 - 11:25 | 117 DAB 117 DAB | |
| L 110A | 3-0-6 | Elementary Spanish <i>Sec 2: Maximum Enrollment of 20 students</i> | 01 | Garcia, D | MWR 12:00 - 12:55 | 115 DAB | |
| | | | 02 | Arjona, G | M 15:30 - 16:55 | 128 BAX | |
| | | | | | R 16:30 - 17:55 | 128 BAX | |
| L 112A | 3-0-6 | Intermediate Spanish | 01 | Garcia, D | M 08:00 - 08:55 | 19 BAX | |
| | | | | | TF 12:00 - 12:55 | 19 BAX | |
| L 114A | 3-0-6 | Spanish and Latin American Literature <i>Maximum enrollment: 20 students</i> | 01 | Arjona, G | M 13:00 - 13:55 | 128 BAX | |
| | | | | | R 19:00 - 20:55 | 128 BAX | |
| L 130A | 3-0-6 | Elementary German | 01 | Aebi, A | MWR 13:00 - 13:55 | 117 DAB | |
| L 132A | 3-0-6 | Intermediate German | 01 | Aebi, A | MWR 12:00 - 12:55 | 117 DAB | |
| L 170A | 4-1-5 | Introduction to Chinese <i>Maximum Enrollment: 20 students</i> | 01 | Wang, X | MW 19:00 - 20:25 | 125 BAX | |
| L 171A | 5-0-4 | Elementary Chinese | 01 | Ming, F | MTW 19:00 - 19:55 | 128 BAX | |
| L 172A | 4-1-5 | Intermediate Chinese <i>Maximum Enrollment: 20 students</i> | 01 | Wang, X | TR 19:00 - 20:25 | 125 BAX | |
| L 173A | 3-1-6 | Advanced Chinese | 01 | Ming, F | MT 20:00 - 21:25 | 128 BAX | |

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| LANGUAGES | | | | | | | |
| H/L 191 | 3-0-6 | Perspectives on History through German Literature <i>Maximum enrollment: 15 students</i> | 01 | Dennison, T | TR 10:30 - 11:55 | 115 DAB | G |
| LAW | | | | | | | |
| Law033 | 3-0-6 | Introduction to Law and Law and Economics <i>Class cancelled</i> | 01 | Staff | A | A | |
| MATERIALS SCIENCE | | | | | | | |
| MS 078A | + | Senior Thesis | 01 | Johnson, W | A | A | P |
| | | | 02 | Haile, S | A | A | P |
| | | | 03 | Greer, J | A | A | P |
| | | | 04 | Snyder, G | A | A | P |
| | | | 05 | Goddard, W | A | A | P |
| MS 100 | + | Advanced Work in Materials Science | 01 | Fultz, B | A | A | P |
| | | | 02 | Lewis, N | A | A | P |
| | | | 03 | Snyder, G | A | A | P |
| | | | 04 | Davis, M | A | A | P |
| APh/MS 105A | 3-0-6 | States of Matter | 01 | Johnson, W | MW 13:00 - 14:25 | 104 WAT | G |
| MS 110A | 1-0-0 | Materials Research Lectures | 01 | Snyder, G | W 16:00 - 16:55 | 106 SPL | P |
| MS 115A | 3-0-6 | Fundamentals of Materials Science | 01 | Shapiro-Scharlotta, A | MWF 11:00 - 11:55 | 080 MRE | |
| MS/APh 120 | 3-0-6 | Diffraction and Structure | 01 | Fultz, B | TR 09:00 - 10:25 | 104 WAT | |
| MS/APh 122 | 0-3-0 | Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i> | 01 | Fultz, B / Garland, C | OM,T 13:00 - 13:55 | 042 KCK | |
| MS 200 | + | Advanced Work in Materials Science | 01 | Ahn, C | A | A | P |
| | | | 02 | Atwater, H | A | A | P |
| | | | 03 | Greer, J | A | A | P |

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|--------------------------|------------|------------------------------------|-----------------|-----------------|---|----------|-----------------|--------------------|---------|---|
| MATERIALS SCIENCE | | | | | | | | | | |
| MS 200 | + | Advanced Work in Materials Science | 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 | Heath, J | A | A | P | | | |
| | | | 10 | Snyder, G | A | A | P | | | |
| | | | 11 | Daraio, C | A | A | P | | | |
| | | | 12 | Haile, S | A | A | P | | | |
| | | | 13 | Ortiz, M | A | A | P | | | |
| | | | 14 | Roukes, M | A | A | P | | | |
| | | | 15 | Lewis, N | A | A | P | | | |
| | | | 16 | Minnich, A | A | A | P | | | |
| | | | 17 | Bhattacharya, K | A | A | P | | | |
| | | | 18 | Bhattacharya, K | A | A | P | | | |
| | | | Ae/AM/MS/ME 213 | 3-0-6 | Mechanics and Materials Aspects of Fracture | 01 | Gdoutos, E | OM,T 14:00 - 14:55 | 306 FIR | |
| | | | MS 300 | + | Thesis Research | 01 | Atwater, H | A | A | P |
| | | | | | | 02 | van de Walle, A | 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 | Greer, J | A | | | | A | P | | | |
| 09 | Ortiz, M | A | | | | A | P | | | |
| 10 | Heath, J | A | | | | A | P | | | |
| 11 | Snyder, G | A | | | | A | P | | | |
| 12 | Cross, M | A | | | | A | P | | | |
| 13 | Lewis, N | A | | | | A | P | | | |
| MATHEMATICS | | | | | | | | | | |

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|--------------------|------------|--|---------|------------|---|-----------------------------|--------------|
| MATHEMATICS | | | | | | | |
| Ma 001A | 4-0-5 | Calculus of One and Several Variables and Linear Algebra | 01 | Marx, C | MTWF 10:00 - 10:55 R 19:30 - 20:55 | 151 SLN 159 SLN | P |
| | | | 02 | Katz, N | MWF 10:00 - 10:55 R 09:00 - 09:55 | Lecture Hall BAX 142 KCK | P |
| | | | 03 | Katz, N | MWF 10:00 - 10:55 R 09:00 - 09:55 | Lecture Hall BAX 107 DWN | P |
| | | | 04 | Katz, N | MWF 10:00 - 10:55 R 10:00 - 10:55 | Lecture Hall BAX 142 KCK | P |
| | | | 05 | Katz, N | MWF 10:00 - 10:55 R 10:00 - 10:55 | Lecture Hall BAX 27 GTS | P |
| | | | 06 | Katz, N | MWF 10:00 - 10:55 R 10:00 - 10:55 | Lecture Hall BAX 22 GTS | P |
| | | | 08 | Katz, N | MWF 10:00 - 10:55 R 13:00 - 13:55 | Lecture Hall BAX 269 LAU | P |
| | | | 09 | Katz, N | MWF 10:00 - 10:55 R 13:00 - 13:55 | Lecture Hall BAX 106 ANB | P |
| | | | 10 | Katz, N | MWF 10:00 - 10:55 R 14:00 - 14:55 | Lecture Hall BAX 142 KCK | P |
| | | | 11 | Katz, N | MWF 10:00 - 10:55 R 14:00 - 14:55 | Lecture Hall BAX 119 DWN | P |
| | | | Ma 002A | 4-0-5 | Differential Equations, Probability, and Statistics | 01 | Makarov, N |
| 02 | Makarov, N | MWF 10:00 - 10:55 R 09:00 - 09:55 | | | | 22 GTS 11 DWN | G |
| 03 | Makarov, N | MWF 10:00 - 10:55 R 10:00 - 10:55 | | | | 22 GTS 151 SLN | G |
| 04 | Makarov, N | MWF 10:00 - 10:55 R 10:00 - 10:55 | | | | 22 GTS 11 DWN | G |
| 05 | Makarov, N | MWF 10:00 - 10:55 R 13:00 - 13:55 | | | | 22 GTS 22 GTS | G |
| 06 | Makarov, N | MWF 10:00 - 10:55 R 14:00 - 14:55 | | | | 22 GTS 11 DWN | G |
| 07 | Makarov, N | MWF 10:00 - 10:55 | | | | 22 GTS | G |

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| MATHEMATICS | | | | | | | |
| Ma 002A | 4-0-5 | Differential Equations, Probability, and Statistics | 07 | Makarov, N | R 14:00 - 14:55 | 103 DWN | G |
| | | | 09 | Makarov, N | MWF 10:00 - 10:55 | 22 GTS | G |
| | | | 11 | Makarov, N | R 10:00 - 10:55 | 119 DWN | |
| | | | | | MWF 10:00 - 10:55 | 22 GTS | G |
| R 13:00 - 13:55 | 102 STL | | | | | | |
| Ma 005A | 3-0-6 | Introduction to Abstract Algebra <i>taught concurrently with Ma 105a</i> | 01 | Flach, M | MWF 09:00 - 09:55 | 151 SLN | |
| Ma/CS 006A | 3-0-6 | Introduction to Discrete Mathematics | 01 | Wilson, R | MWF 13:00 - 13:55 | 151 SLN | |
| Ma 008 | 3-0-0 | Problem Solving in Calculus | 01 | Katz, N | TR 19:30 - 20:55 | 151 SLN | |
| Ma 010 | 2-0-1 | Oral Presentation | 01 | Mantovan, E | W 14:00 - 15:55 | 151 SLN | P |
| Ma 017 | 2-0-2 | How to Solve It | 01 | Makarov, N | T 19:30 - 20:25 | 159 SLN | P |
| Ma 092A | + | Senior Thesis | 01 | Marcolli, M | A | A | P |
| Ma 098 | + | Independent Reading | 01 | Staff | A | A | P |
| Ma 105A | 3-0-6 | Introduction to Abstract Algebra <i>taught concurrently with Ma 5a</i> | 01 | Flach, M | MWF 09:00 - 09:55 | 151 SLN | |
| Ma 108A | 3-0-6 | Classical Analysis | 01 | Frank, R | MWF 11:00 - 11:55 | 151 SLN | |
| Ma 109A | 3-0-6 | Introduction to Geometry and Topology | 01 | Baba, S | MWF 09:00 - 09:55 | 153 SLN | |
| Ma 110A | 3-0-6 | Analysis, I | 01 | Makarov, N | MWF 11:00 - 11:55 | 159 SLN | |
| Ma 111A | 3-0-6 | Analysis, II | 01 | Ormerod, C | MWF 13:00 - 13:55 | 257 SLN | |

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|--------------------|-------|---|----------------------|--|--|------------------------------|--------------|
| MATHEMATICS | | | | | | | |
| Ma 116A | 3-0-6 | Mathematical Logic and Axiomatic Set Theory | 01 | Williams, J | TR 13:00 - 14:25 | 151 SLN | |
| Ma 120A | 3-0-6 | Abstract Algebra | 01 | Graber, T | MWF 09:00 - 09:55 | 257 SLN | |
| Ma 121A | 3-0-6 | Combinatorial Analysis | 01 | Rains, E | TR 13:00 - 14:25 | 159 SLN | |
| EE/Ma/CS 126A | 3-0-6 | Information Theory | 01 | Effros, M | MW 10:30 - 11:55 | 070 MRE | G |
| Ma 130A | 3-0-6 | Algebraic Geometry | 01 | Graber, T | MWF 13:00 - 13:55 | 153 SLN | |
| Ma/ACM 142 | 3-0-6 | Ordinary and Partial Differential Equations | 01 | Frank, R | MWF 10:00 - 10:55 | 159 SLN | |
| Ma/ACM 144A | 3-0-6 | Probability | 01 | Alberts, T | TR 10:30 - 11:55 | 153 SLN | |
| Ma 145A | 3-0-6 | Introduction to Unitary Group Representations | 01 | Chipeniuk, K | TR 13:00 - 14:25 | 153 SLN | |
| Ma 148A | 3-0-6 | Topics in Mathematical Physics | 01 | Demirel-Frank, S | TR 10:30 - 11:55 | 257 SLN | |
| Ma 151A | 3-0-6 | Algebraic and Differential Topology | 01 | Liu, Y | MWF 10:00 - 10:55 | 153 SLN | |
| Ma 157A | 3-0-6 | Riemannian Geometry | 01 | Gupta, S | TR 13:00 - 14:25 | 257 SLN | |
| Ma 160A | 3-0-6 | Number Theory | 01 | Flach, M | MWF 14:00 - 14:55 | 257 SLN | |
| Ma 191A | 3-0-6 | Selected Topics in Mathematics <i>Sec 1: Descriptive Set Theory I // Sec 2: cancelled // Sec 3: cancelled // Sec 4: Nonlinear Partial Differential Equations</i> | 01 02 03 04 | Marks, A Liu, Y Baba, S Zhou, G | MW 13:00 - 14:25 A A TR 09:00 - 10:25 | 159 SLN A A 257 SLN | |

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| MATHEMATICS | | | | | | | |
| SS/Ma 214 | 3-0-6 | Mathematical Finance | 01 | Cvitanic, J | TR 17:00 - 18:25 | 125 BAX | |
| Ma 290 | + | Reading | 01 | Aschbacher, M | A | A | P |
| | | | 02 | Frank, R | A | A | P |
| | | | 03 | Calegari, D | A | A | P |
| | | | 04 | Flach, M | A | A | P |
| | | | 05 | Graber, T | A | A | P |
| | | | 06 | Kechris, A | A | A | P |
| | | | 07 | Makarov, N | A | A | P |
| | | | 08 | Mantovan, E | A | A | P |
| | | | 09 | Marcolli, M | A | A | P |
| | | | 10 | Rains, E | A | A | P |
| | | | 11 | Ramakrishnan, D | A | A | P |
| | | | 12 | Simon, B | A | A | P |
| | | | 13 | Wilson, R | A | A | P |
| | | | 14 | Ni, Y | A | A | P |
| | | | 15 | Markovic, V | A | A | P |
| Ma 390 | + | Research | 01 | Aschbacher, M | A | A | P |
| | | | 02 | Borodin, A | A | A | P |
| | | | 03 | Calegari, D | A | A | P |
| | | | 04 | Flach, M | A | A | P |
| | | | 05 | Graber, T | A | A | P |
| | | | 06 | Kechris, A | A | A | P |
| | | | 07 | Makarov, N | A | A | P |
| | | | 08 | Mantovan, E | A | A | P |
| | | | 09 | Marcolli, M | A | A | P |
| | | | 10 | Rains, E | A | A | P |
| | | | 11 | Ramakrishnan, D | A | A | P |
| | | | 12 | Simon, B | A | A | P |
| | | | 13 | Wilson, R | A | A | P |
| | | | 14 | Gukov, S | A | A | P |
| | | | 15 | Desbrun, M | A | A | P |

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| MATHEMATICS | | | | | | | |
| Ma 390 | + | Research | 16 | Ni, Y | A | A | P |
| | | | 17 | Preskill, J | A | A | P |
| | | | 18 | Katz, N | A | A | P |
| | | | 19 | Alberts, T | A | A | P |
| | | | 20 | Frank, R | A | A | P |
| MECHANICAL ENGINEERING | | | | | | | |
| ME 013 | 0-4-0 | Introduction to Mechanical Prototyping <i>Formerly ME 170 // OM meets Tuesday, 10/8/13 // Maximum enrollment: 25 students between ME 13 and 130. // Students must submit a questionnaire available at the Registrar's Office by June 1st.</i> | 01 | Van Deusen, J | OM,T 18:00 - 19:55 | 024 SPL | P |
| ME 035A | 3-0-6 | Statics and Dynamics | 01 | Hall, J | TR 13:00 - 14:25 | 206 TOM | G |
| ME 065 | 3-0-6 | Mechanics of Materials | 01 | Gdoutos, E | TR 09:00 - 10:25 | 101 GUG | |
| ME 066 | 3-0-6 | Vibration <i>Taught concurrently with AM/CE 151a</i> | 01 | Heaton, T | MWF 10:00 - 10:55 | 306 TOM | G |
| ME 072A | 3-4-2 | Engineering Design Laboratory | 01 | Van Deusen, J / Ruoff, C | TR 15:00 - 16:25 | 306 TOM | G |
| ME 090A | 0-0-9 | Senior Thesis, Experimental | 01 | Colonus, T | A | A | G |
| ME 100 | + | Advanced Work in Mechanical Engineering | 01 | Hunt, M | A | A | P |
| | | | 02 | Shepherd, J | A | A | P |
| | | | 03 | Colonus, T | A | A | P |
| | | | 04 | Scherer, A | A | A | P |
| | | | 05 | Burdick, J | A | A | P |
| | | | 06 | Minnich, A | A | A | P |
| Ae/APh/CE/ME 101A | 3-0-6 | Fluid Mechanics | 01 | Colonus, T | MWF 10:00 - 10:55 | 206 TOM | |

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| MECHANICAL ENGINEERING | | | | | | | |
| Ae/AM/CE/ME 102A | 3-0-6 | Mechanics of Structures and Solids <i>taught concurrently with Ae/ME 160A</i> | 01 | Kochmann, D | TR 14:30 - 15:55 | 101 GUG | G |
| E/ME 103 | 3-0-6 | Management of Technology | 01 | Pickar, K | TR 14:30 - 15:55 | 206 TOM | |
| EST/EE/ME 109 | 3-0-6 | Energy Technology and Policy | 01 | Rutledge, D | TR 14:30 - 15:55 | 107 ANB | |
| ME 110 | + | Special Laboratory Work in Mechanical Engineering | 01 | Staff | A | A | P |
| ME 130 | 0-4-0 | Introduction to Mechanical Prototyping <i>Formerly ME 170 // OM meets Tuesday, 10/8/13 // Maximum enrollment: 25 students between ME 13 and 130. // Students must submit a questionnaire available in the Registrar's Office by June 1st.</i> | 01 | Van Deusen, J | OM,T 18:00 - 19:55 | 024 SPL | P |
| AM/CE/ME 150A | 1-0-0 | Graduate Engineering Seminar | 01 | Andrade, J | A | A | P |
| Ae/Ge/ME 160A | 3-0-6 | Continuum Mechanics of Fluids and Solids <i>updated class time</i> | 01 | Kochmann, D | TR 14:30 - 15:55 | 101 GUG | G |
| ME 200 | + | Advanced Work in Mechanical Engineering | 01 | Staff | A | A | P |
| Ae/AM/MS/ME 213 | 3-0-6 | Mechanics and Materials Aspects of Fracture | 01 | Gdoutos, E | OM,T 14:00 - 14:55 | 306 FIR | |
| ME 300 | + | Research in Mechanical Engineering | 01 | Andrade, J | A | A | P |
| | | | 02 | Bellan, P | A | A | P |
| | | | 03 | Bhattacharya, K | A | A | P |
| | | | 04 | Daraio, C | A | A | P |
| | | | 05 | Burdick, J | A | A | P |
| | | | 06 | Colonus, T | A | A | P |
| | | | 07 | Hunt, M | A | A | P |
| | | | 08 | Murray, R | A | A | P |

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|-------------------------------|------------|--|---------|-----------------|------------------|----------|--------------|
| MECHANICAL ENGINEERING | | | | | | | |
| ME 300 | + | Research in Mechanical Engineering | 09 | Ortiz, M | A | A | P |
| | | | 10 | Dabiri, J | A | A | P |
| | | | 11 | Ravichandran, G | A | A | P |
| | | | 12 | Shepherd, J | A | A | P |
| | | | 13 | Fultz, B | A | A | P |
| | | | 14 | Greer, J | A | A | P |
| | | | 15 | van de Walle, A | A | A | P |
| | | | 16 | Adkins, J | A | A | P |
| | | | 17 | Leonard, A | A | A | P |
| | | | 18 | Lapusta, N | A | A | P |
| | | | 19 | Gharib, M | A | A | P |
| | | | 20 | Brady, J | A | A | P |
| | | | 21 | Dabiri, J | A | A | P |
| | | | 22 | Troian, S | A | A | P |
| | | | 23 | Scherer, A | A | A | P |
| | | | 25 | Haile, S | A | A | P |
| | | | 26 | Atwater, H | A | A | P |
| | | | 27 | Blanquart, G | A | A | P |
| | | | 28 | McKeon, B | A | A | P |
| | | | 29 | Hoffmann, M | A | A | P |
| | | | 30 | Kochmann, D | A | A | P |
| 31 | Minnich, A | A | A | P | | | |
| MEDICAL ENGINEERING | | | | | | | |
| EE/MedE 115 | 3-0-6 | Micro-/Nano-scales Electro-Optics | 01 | Choo, H | MW 14:30 - 15:55 | 080 MRE | G |
| MUSIC | | | | | | | |
| Mu 021 | 3-0-6 | Understanding Music | 01 | Neenan, T | MW 14:30 - 15:55 | 19 BAX | |
| Mu 027 | 3-0-6 | Fundamentals of Music Theory and Elementary Ear Training <i>Maximum enrollment: 15 students</i> | 01 | Neenan, T | MW 11:00 - 12:25 | 19 BAX | |

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| NEUROBIOLOGY | | | | | | | |
| Bi/CNS/NB 150 | 4-0-6 | Introduction to Neuroscience <i>Maximum enrollment: 15 students per section</i> | 01 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 R 13:30 - 14:25 | 100 - Rock Auditorium BRD 101 KRK | |
| | | | 02 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 R 15:00 - 15:55 | 100 - Rock Auditorium BRD 101 KRK | |
| | | | 03 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 R 19:00 - 19:55 | 100 - Rock Auditorium BRD 101 KRK | |
| | | | 04 | Lester, H / Adolphs, R | MWF 11:00 - 11:55 R 20:00 - 20:55 | 100 - Rock Auditorium BRD 101 KRK | |
| CNS/Bi/Ph/CS/NB 187 | 3-0-6 | Neural Computation | 01 | Perona, P | TR 10:30 - 11:55 | 080 MRE | |
| Bi/CNS/NB 216 | 2-0-4 | Behavior of Mammals | 01 | Allman, J | WF 14:00 - 15:55 | 200 BRD | |
| PERFORMANCE AND ACTIVITIES | | | | | | | |
| PA 016A | 0-3-0 | Cooking Basics <i>Open by lottery only; See the Regis home page for info//Maximum enrollment: 16 students//Location: 400 S. Hill</i> | 01 | Staff | T 18:30 - 21:25 | A | P |
| PA 030A | 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 031A | 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 032A | 0-3-0 | Symphony Orchestra | 01 | Gross, A | T 19:30 - 22:15 | Ramo Auditorium BAX | P |
| PA 033A | 0-3-0 | Concert Band | 01 | Bing, W | R 19:15 - 21:25 | Ramo Auditorium BAX | P |

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| PERFORMANCE AND ACTIVITIES | | | | | | | |
| PA 034A | 0-3-0 | Jazz Band | 01 | Bing, W | M 19:15 - 21:00 M 21:15 - 22:45 | Ramo Auditorium BAX Ramo Auditorium BAX | P |
| PA 035A | 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 036A | 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 037A | 0-3-0 | Chamber Singers | 01 | Sulahian, N | W 18:00 - 18:55 | Basement BCK | P |
| PA 040A | 2-0-1 | Theater Arts | 01 | Brophy, B | OM,T 19:30 - 20:25 | TCT | P |
| PA 061A | 0-3-0 | Silkscreen and Silk Painting | 01 | Barry, J | M 19:00 - 21:55 | Garage TCT | P |
| PA 062A | 0-3-0 | Drawing and Painting | 01 | Barry, J | T 19:00 - 21:55 | Garage TCT | P |
| PA 063A | 0-3-0 | Ceramics | 01 | Freed, S | W 19:00 - 21:55 | Ceramic Room POLY | P |
| PA 070A | 2-0-1 | Student-Taught Courses | 01 | Quartz, S | OM,M 17:00 - 17:55 | 142 KCK | P |
| | | <i>Section 1: Introductory Korean for Non-Native Speakers // Section 2: Questionable Literature: Literature of the Offensive</i> | 02 | Weinstein, C | OM,M 19:00 - 19:55 | TR DAB | P |
| PHILOSOPHY | | | | | | | |
| Hum/PI 008 | 3-0-6 | Right and Wrong | 01 | Quartz, S | TR 13:00 - 14:25 | 128 BAX | |
| | | <i>Attendance at the first class is required // Maximum enrollment: 15 students per section // Class closed to continuing students until term start</i> | 02 | Quartz, S | TR 14:30 - 15:55 | 128 BAX | |
| Hum/PI 009 | 3-0-6 | Knowledge and Reality | 01 | Eberhardt, F | TR 09:00 - 10:25 | 33 BAX | |
| | | <i>Attendance at the first class is required // Maximum enrollment: 15 students per section //</i> | 02 | Eberhardt, F | TR 14:30 - 15:55 | 3 BBB | |

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| PHILOSOPHY | | | | | | | |
| PI 090A | 1-0-8 | Senior Thesis | 01 | Staff | A | A | G |
| PI 098 | + | Reading in Philosophy | 01 | Manning, G | A | A | P |
| HPS/PI 120 | 3-0-6 | Introduction to Philosophy of Science <i>Maximum enrollment: 25 students</i> | 01 | Hitchcock, C | TR 10:30 - 11:55 | 125 BAX | |
| HPS/PI 124 | 3-0-6 | Philosophy of Space and Time <i>Maximum enrollment: 25 students</i> | 01 | Hitchcock, C | TR 14:30 - 15:55 | 125 BAX | |
| PI 151 | 3-0-6 | 18th-Century Philosophy: Locke to Kant <i>Maximum enrollment: 15 students</i> | 01 | Manning, G | R 13:00 - 15:55 | 33 BAX | |
| PHYSICAL EDUCATION | | | | | | | |
| PE 001 | 3-0-0 | Student Designed Fitness | 01 | Eslinger, O / Lillie, T | MW 13:00 - 13:55 | BAC | P |
| PE 002 | 3-0-0 | Healthier Living <i>Class cancelled</i> | 01 | Lillie, T | TR 14:00 - 15:25 | BAC | P |
| PE 003 | 3-0-0 | Hiking <i>Open by lottery only; see REGIS home page for info</i> | 01 | Marbut, S / Mark, M | F 11:00 - 14:55 | BAC | P |
| PE 004 | 3-0-0 | Introduction to Power Walking | 01 | Stevenson, M | TR 10:00 - 11:25 | BAC | P |
| PE 006 | 3-0-0 | Core Training, Beginning/Intermediate | 01 | Marbut, S / Beemer, P | TR 13:00 - 14:25 | MPR BAC | P |
| PE 008 | 3-0-0 | Fitness Training, Beginning | 01 | Lindsay, J / Carter, J | MW 13:00 - 14:25 | MPR BAC | P |
| PE 010 | 3-0-0 | Aerobic Dance | 01 | Waterman, D | MW 19:00 - 20:25 | MPR BAC | P |
| PE 024 | 3-0-0 | Yoga, Beginning | 01 | Flynn, K / Alvarado-Orozco, J | TR 20:00 - 21:55 | MPR BAC | P |

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|---------------------------|-------|--|---------|--------------------------|------------------------------------|------------|--------------|
| PHYSICAL EDUCATION | | | | | | | |
| PE 027 | 3-0-0 | Ultimate Frisbee | 01 | Boortz, S / Landesman, J | TR 19:30 - 20:55 | SOF BAC | P |
| PE 031 | 3-0-0 | Indoor/Outdoor Cycling | 01 | Gamble, M | F 12:30 - 15:25 | BAC | P |
| PE 035 | 3-0-0 | Diving, Beginning/Intermediate | 01 | Zimmermann, U | TR 10:30 - 11:55 | POOL BAC | P |
| PE 036 | 3-0-0 | Swimming, Beginning/Intermediate and Advanced | 01 | Morgan, H / Leavitt, J | MW 14:00 - 15:25 | POOL BAC | P |
| PE 044 | 3-0-0 | Karate (Shotokan), Beginning and Intermediate/Advanced | 01 | Teramoto, K | TR 16:00 - 17:25 | MPR BAC | P |
| PE 054 | 3-0-0 | Racquetball, Beginning and Intermediate/Advanced | 01 | Mark, M | MW 10:00 - 11:25 | BAC | P |
| PE 060 | 3-0-0 | Tennis, Beginning, Intermediate, and Advanced | 01 | Uribe, R | MWF 13:00 - 13:55 | TCT BAC | P |
| PE 070 | 3-0-0 | Weight Training, Beginning/Intermediate | 01 | Stevenson, M / Alway, S | MW 09:00 - 10:25 | BAC | P |
| PE 080A | 1-1-1 | Health Advocates | 01 | Stapf, M | W 19:00 - 21:55 | YHC | P |
| PE 081 | 3-0-0 | Bouldering | 01 | Tavallali, P | R 17:00 - 17:55 T 16:00 - 17:55 | BAC BAC | P |
| PE 083A | 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 | TR 10:30 - 11:55 | BRW | P |
| PE 087A | 3-0-0 | Intercollegiate Swimming Team (Men and Women) | 01 | Leavitt, J | MTWRFS 16:00 - 17:55 | POOL BAC | P |
| PE 089A | 3-0-0 | Intercollegiate Fencing Team (Men and Women) | 01 | Corbit, C | TR 20:00 - 21:55 | BRW | P |

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|---------------------------|-------|--|---------|--------------|----------------------|----------|--------------|
| PHYSICAL EDUCATION | | | | | | | |
| PE 090A | 3-0-0 | Intercollegiate Water Polo Team (Men & Women) | 01 | Beemer, P | MTWRFS 16:00 - 17:55 | POOL BAC | P |
| PE 091A | 3-0-0 | Intercollegiate Basketball Team (Men) | 01 | Eslinger, O | MTWRFS 16:00 - 17:55 | BAC | P |
| PE 092 | 3-0-0 | Intercollegiate Soccer Team (Men) | 01 | Uribe, R | MTWRFS 16:00 - 17:55 | NOF BAC | P |
| PE 097 | 3-0-0 | Intercollegiate Cross Country Team (Men and Women) | 01 | Jung, S | MTWRFS 16:00 - 17:55 | TRK BAC | P |
| PE 099 | 3-0-0 | Intercollegiate Volleyball Team (Women) | 01 | Lindsay, J | MTWRFS 16:00 - 17:55 | BAC | P |
| PHYSICS | | | | | | | |
| Ph 001A | 4-0-5 | Classical Mechanics and Electromagnetism | 01 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 13:00 - 13:55 | 103 DWN | |
| | | | 02 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 15:00 - 15:55 | 119 KRK | |
| | | | 03 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 13:00 - 13:55 | 142 KCK | |
| | | | 04 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 15:00 - 15:55 | 142 KCK | |
| | | | 05 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 13:00 - 13:55 | 119 DWN | |
| | | | 06 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 15:00 - 15:55 | 103 DWN | |
| | | | 07 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 13:00 - 13:55 | 27 GTS | |
| | | | 08 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 15:00 - 15:55 | 11 DWN | |
| | | | 09 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 13:00 - 13:55 | 11 DWN | |
| | | | 10 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | P |
| | | | | | MR 15:00 - 15:55 | 119 DWN | |

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|-----------------|-------|--|---------|-------------------------|--|-------------------------------|--------------|
| PHYSICS | | | | | | | |
| Ph 002A | 4-0-5 | Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i> | 01 | Martin, C / Hsieh, D | TR 11:00 - 11:55 WF 09:00 - 09:55 | 201 BRG 11 DWN | G |
| | | | 02 | Martin, C / Hsieh, D | TR 11:00 - 11:55 WF 11:00 - 11:55 | 201 BRG 11 DWN | G |
| | | | 03 | Martin, C / Hsieh, D | TR 11:00 - 11:55 WF 11:00 - 11:55 | 201 BRG 119 DWN | G |
| | | | 04 | Martin, C / Hsieh, D | TR 11:00 - 11:55 WF 13:00 - 13:55 | 201 BRG 102 STL | G |
| | | | 05 | Martin, C / Hsieh, D | TR 11:00 - 11:55 W 19:00 - 19:55 F 14:00 - 14:55 | 201 BRG 103 DWN 103 DWN | G |
| | | | 06 | Martin, C / Hsieh, D | TR 11:00 - 11:55 WF 15:00 - 15:55 | 201 BRG 11 DWN | G |
| | | | 07 | Martin, C / Hsieh, D | TR 11:00 - 11:55 WF 15:00 - 15:55 | 201 BRG 119 DWN | G |
| Ph 003 | 0-3-3 | Physics Laboratory <i>Maximum enrollment: 16 students per section // Graded P/F; letter grades by petition only</i> | 01 | Black, E / Libbrecht, K | W 13:00 - 15:55 | 308 BRG | P |
| | | | 02 | Black, E / Libbrecht, K | R 13:00 - 15:55 | 308 BRG | P |
| | | | 03 | Black, E / Libbrecht, K | F 13:00 - 15:55 | 308 BRG | P |
| FS/Ph 004 | 2-0-4 | Freshman Seminar: Gravitational Waves | 01 | Weinstein, A | OM,M 15:00 - 15:55 | 107 DWN | P |
| Ph 005 | 0-5-4 | Analog Electronics for Physicists | 01 | Rice, F / Libbrecht, K | OM,T 15:00 - 15:55 | 201 BRG | |
| FS/Ph 009 | 2-0-4 | Freshman Seminar: The Science of Music <i>Maximum enrollment: 11 students</i> | 01 | Politzer, H | MW 13:00 - 13:55 | 248 LAU | P |
| Ph 010 | 2-0-1 | Frontiers in Physics <i>Maximum enrollment: 33 students</i> | 01 | Prince, T | W 12:00 - 13:55 | 114 EBRG | P |
| FS/Ph 011A | 2-0-4 | Freshman Seminar: Research Tutorial | 01 | Tombrello, T | A | 201 SLN | P |
| Ph 012A | 4-0-5 | Waves, Quantum Physics, and Statistical Mechanics | 01 | Kimble, H | TR 10:30 - 11:55 | 269 LAU | G |

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| PHYSICS | | | | | | | |
| FS/Bi/Ph 013 | 2-0-4 | Freshman Seminar: In Search of Memory <i>Maximum enrollment: 13 students</i> | 01 | Pine, J | T 14:00 - 15:55 | 248 LAU | P |
| FS/Ph 014 | 2-0-4 | Freshman Seminar: Albatrosses, Beetles and Cetaceans | 01 | Stevenson, D | F 13:00 - 13:55 M 19:00 - 19:55 | 176 SMD 176 SMD | 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 050A | 1-0-3 | Caltech Physics League | 01 | Refael, G | OM,M 14:00 - 14:55 | 114 EBRG | |
| Ph 070 | 2-0-4 | Oral and Written Communication | 01 | Hitlin, D | M 10:30 - 11:55 | 469 LAU | |
| Ph 077A | 0-5-4 | Advanced Physics Laboratory | 01 | Black, E / Libbrecht, K | OM,M 15:00 - 15:55 | 210 BRG | G |
| Ph 077B | 0-5-4 | Advanced Physics Laboratory | 01 | Black, E / Libbrecht, K | OM,M 15:00 - 15:55 | 210 BRG | G |
| Ph 078A | 9-0-0 | Senior Thesis, Experimental | 01 | Stone, E | A | A | P |
| Ph 079A | 9-0-0 | Senior Thesis, Theoretical | 01 | Stone, E | A | A | P |
| Ph 105 | 3-0-6 | Analog Electronics for Physicists | 01 | Rice, F / Libbrecht, K | OM,T 15:00 - 15:55 | 201 BRG | G |
| Ph 106A | 3-0-6 | Topics in Classical Physics | 01 | Cross, M | TR 10:30 - 11:55 | 107 DWN | |
| Ph/APh/EE/BE 118A | 3-0-6 | Physics of Measurement | 01 | Roukes, M | TR 14:30 - 15:55 | 57 BRG | |
| Ph 125A | 3-0-6 | Quantum Mechanics | 01 | Wise, M | MWF 10:00 - 10:55 | 107 DWN | |
| Ph 127A | 3-0-6 | Statistical Physics | 01 | Alicea, J | TR 13:00 - 14:25 | 107 DWN | |

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|-----------------|--------------|----------------------------------|---------|---------------|------------------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 129A | 3-0-6 | Mathematical Methods of Physics | 01 | Schwarz, J | TR 09:00 - 10:25 | 103 DWN | |
| Ph 171 | + | Reading and Independent Study | 01 | Preskill, J | A | A | P |
| | | | 02 | Refael, G | A | A | P |
| | | | 03 | Cross, M | A | A | P |
| | | | 04 | Carroll, S | A | A | P |
| | | | 05 | Schwarz, J | A | A | P |
| | | | 06 | Phillips, R | A | A | P |
| | | | 07 | Motrunich, O | A | A | P |
| | | | 08 | Kapustin, A | A | A | P |
| | | | 09 | Simon, B | A | A | P |
| | | | 10 | Chen, Y | A | A | P |
| | | | 11 | Porter, F | A | A | P |
| | | | 12 | Cheung, C | A | A | P |
| | | | 17 | Wilson, R | A | A | P |
| | | | 19 | Libbrecht, K | A | A | P |
| | | | 20 | Troian, S | A | A | P |
| | | | 21 | Phinney, E | A | A | P |
| | | | 22 | Gukov, S | A | A | P |
| 24 | Oguri, H | A | A | P | | | |
| 25 | Wise, M | A | A | P | | | |
| 26 | Golwala, S | A | A | P | | | |
| 27 | Weinstein, A | A | A | P | | | |
| 28 | Makarov, N | A | A | P | | | |
| 29 | Prince, T | A | A | P | | | |
| Ph 172 | + | Research in Experimental Physics | 01 | Barish, B | A | A | P |
| | | | 02 | Ellis, R | A | A | P |
| | | | 03 | Golwala, S | 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 |

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| PHYSICS | | | | | | | |
| Ph 172 | + | Research in Experimental Physics | 08 | Wise, M | A | A | P |
| | | | 09 | Flagan, R | A | A | P |
| | | | 10 | Adhikari, R | A | A | P |
| | | | 11 | Harrison, F | A | A | P |
| | | | 12 | Hitlin, D | A | A | P |
| | | | 13 | Porter, F | A | A | P |
| | | | 14 | Scoville, N | A | A | P |
| | | | 15 | Fraser, S | A | A | P |
| | | | 16 | Kimble, H | A | A | P |
| | | | 17 | Prince, T | A | A | P |
| | | | 18 | Zewail, A | A | A | P |
| | | | 19 | Libbrecht, K | A | A | P |
| | | | 20 | Patterson, R | A | A | P |
| | | | 21 | Martin, C | A | A | P |
| | | | 22 | Troian, S | A | A | P |
| | | | 23 | Hsieh, D | A | A | P |
| | | | 24 | Beauchamp, J | A | A | P |
| | | | 25 | Bock, J | A | A | P |
| | | | 26 | Phillips, R | A | A | P |
| | | | 27 | Winfree, E | A | A | P |
| | | | 28 | Heath, J | A | A | P |
| | | | 29 | Atwater, H | A | A | P |
| | | | 30 | Hsieh, D | A | A | P |
| | | | 31 | Okumura, M | A | A | P |
| 32 | Haile, S | A | A | P | | | |
| 33 | Schwab, K | A | A | P | | | |
| 34 | Roukes, M | A | A | P | | | |
| 35 | Stone, E | A | A | P | | | |
| 36 | Pine, J | A | A | P | | | |
| 37 | Ott, C | A | A | P | | | |
| 42 | Weinstein, A | A | A | P | | | |
| 44 | Yeh, N | A | A | P | | | |
| 46 | Zmuidzinas, J | A | A | P | | | |

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| PHYSICS | | | | | | | |
| Ph 172 | + | Research in Experimental Physics | 49 | Newman, H | A | A | P |
| | | | 50 | Painter, O | A | A | P |
| | | | 51 | Vahala, K | A | A | P |
| | | | 52 | Readhead, A | A | A | P |
| | | | 53 | Fraser, S | A | A | P |
| | | | 54 | Guo, C | A | A | P |
| | | | 55 | Spiropulu, M | A | A | P |
| | | | 56 | Eisenstein, J | A | A | P |
| Ph 173 | + | Research in Theoretical Physics | 01 | Schwarz, J | A | A | P |
| | | | 02 | Motrunich, O | A | A | P |
| | | | 03 | Phinney, E | A | A | P |
| | | | 04 | Marcus, R | A | A | P |
| | | | 05 | Carroll, S | A | A | P |
| | | | 06 | Filippone, B | A | A | P |
| | | | 07 | Zewail, A | A | A | P |
| | | | 08 | Troian, S | A | A | P |
| | | | 09 | Simon, B | A | A | P |
| | | | 10 | Porter, F | A | A | P |
| | | | 11 | Gukov, S | A | A | P |
| | | | 12 | Ott, C | A | A | P |
| | | | 13 | Hirata, C | A | A | P |
| | | | 14 | Atwater, H | A | A | P |
| | | | 15 | Kapustin, A | A | A | P |
| | | | 16 | Chen, Y | A | A | P |
| | | | 17 | Alicea, J | A | A | P |
| | | | 18 | Hopkins, P | A | A | P |
| | | | 19 | Scheel, M | A | A | P |
| | | | 24 | Oguri, H | A | A | P |
| 25 | Cheung, C | A | A | P | | | |
| 30 | Preskill, J | A | A | P | | | |
| 39 | Thorne, K | A | A | P | | | |
| 43 | Wise, M | A | A | P | | | |
| 44 | Cross, M | A | A | P | | | |

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| PHYSICS | | | | | | | |
| Ph 173 | + | Research in Theoretical Physics | 47 | Phillips, R | A | A | P |
| | | | 49 | Wilson, R | A | A | P |
| | | | 50 | Kitaev, A | A | A | P |
| | | | 51 | Refael, G | A | A | P |
| | | | 52 | Goddard, W | A | A | P |
| CNS/Bi/Ph/CS/NB 187 | 3-0-6 | Neural Computation | 01 | Perona, P | TR 10:30 - 11:55 | 080 MRE | |
| Ph 205A | 3-0-6 | Relativistic Quantum Mechanics | 01 | Kapustin, A | MW 10:30 - 11:55 | 269 LAU | P |
| Ph 217 | 3-0-6 | Introduction to the Standard Model | 01 | Cheung, C | TF 14:30 - 15:55 | 269 LAU | P |
| Ph/CS 219A | 3-0-6 | Quantum Computation | 01 | Preskill, J | MW 14:30 - 15:55 | 269 LAU | |
| Ph/APh 223A | 3-0-6 | Advanced Condensed-Matter Physics | 01 | Yeh, N | MW 11:00 - 12:25 | 107 DWN | |
| Ph 230A | 3-0-6 | Elementary Particle Theory <i>class will meet in Lau 269 on Monday, October 7th</i> | 01 | Gukov, S | MW 09:00 - 10:25 | 469 LAU | |
| Ph 236A | 3-0-6 | Relativity | 01 | Chen, Y / Adhikari, R | MW 13:00 - 14:25 | 107 DWN | P |
| Ph 242A | 2-0-1 | Physics Seminar | 01 | Stone, E | F 12:00 - 13:55 | 114 BRG | P |
| Ph 300 | + | Thesis Research | 01 | Newman, H | A | A | P |
| | | | 02 | Zmuidzinas, J | A | A | P |
| | | | 03 | Cross, M | A | A | P |
| | | | 04 | Kennedy, M | A | A | P |
| | | | 05 | Phillips, T | A | A | P |
| | | | 06 | Filippone, B | A | A | P |
| | | | 07 | Marcolli, M | A | A | P |
| | | | 08 | Bock, J | A | A | P |

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| PHYSICS | | | | | | | |
| Ph 300 | + | Thesis Research | 09 | Readhead, A | A | A | P |
| | | | 10 | Phillips, R | A | A | P |
| | | | 11 | Harrison, F | A | A | P |
| | | | 12 | Hitlin, D | A | A | P |
| | | | 13 | Eisenstein, J | A | A | P |
| | | | 14 | Oguri, H | A | A | P |
| | | | 15 | Barish, B | A | A | P |
| | | | 16 | Kimble, H | A | A | P |
| | | | 17 | Zewail, A | A | A | P |
| | | | 18 | Lester, H | A | A | P |
| | | | 19 | Libbrecht, K | A | A | P |
| | | | 20 | Desbrun, M | A | A | P |
| | | | 21 | Martin, A | A | A | P |
| | | | 22 | Martin, C | A | A | P |
| | | | 23 | McKeown, R | A | A | P |
| | | | 24 | Kapustin, A | A | A | P |
| | | | 25 | Bellan, P | A | A | P |
| | | | 26 | Winfree, E | A | A | P |
| | | | 27 | Ellis, R | A | A | P |
| | | | 28 | Motrunich, O | A | A | P |
| | | | 29 | Refael, G | A | A | P |
| | | | 30 | Preskill, J | A | A | P |
| | | | 31 | Adhikari, R | A | A | P |
| | | | 32 | Gukov, S | A | A | P |
| | | | 33 | Painter, O | A | A | P |
| | | | 34 | Roukes, M | A | A | P |
| | | | 35 | Kitaev, A | A | A | P |
| | | | 36 | Schwarz, J | A | A | P |
| | | | 37 | Marcus, R | A | A | P |
| | | | 38 | Stone, E | A | A | P |
| | | | 39 | Thorne, K | A | A | P |
| | | | 40 | Goddard, W | A | A | P |
| | | | 41 | Golwala, S | A | A | P |

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| PHYSICS | | | | | | | |
| Ph 300 | + | Thesis Research | 42 | Wilson, R | A | A | P |
| | | | 43 | Wise, M | A | A | P |
| | | | 44 | Yeh, N | A | A | P |
| | | | 45 | Trojan, S | A | A | P |
| | | | 46 | Gharib, M | A | A | P |
| | | | 47 | Weinstein, A | A | A | P |
| | | | 48 | Chen, Y | A | A | P |
| | | | 49 | Fraser, S | A | A | P |
| | | | 50 | Spiropulu, M | A | A | P |
| | | | 51 | Phinney, E | A | A | P |
| | | | 52 | Heath, J | A | A | P |
| | | | 54 | Ott, C | A | A | P |
| | | | 55 | Atwater, H | A | A | P |
| | | | 56 | Carroll, S | A | A | P |
| 57 | Daraio, C | A | A | P | | | |
| POLITICAL SCIENCE | | | | | | | |
| PS 012 | 3-0-6 | Introduction to Political Science | 01 | Ordeshook, P | MWF 15:00 - 15:55 | Lecture Hall BAX | |
| PS 097 | + | Undergraduate Research | 01 | Alvarez, R | A | A | P |
| PS 099A | 3-0-6 | Political Science Research Seminar | 01 | Ordeshook, P | A | A | |
| PS 132 | 3-0-6 | Formal Theories in Political Science | 01 | Agranov, M | TR 13:00 - 14:25 | 25 BAX | G |
| Ec/PS 160A | 3-3-3 | Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Ec/PS 190A required for 190B and 190C //Maximum enrollment: 10 students in 160a and SS 260</i> | 01 | Plott, C | TR 09:00 - 10:25 | 127 BAX | G |
| PSYCHOLOGY | | | | | | | |

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| PSYCHOLOGY | | | | | | | |
| Psy016 | 3-0-6 | Understanding Psychological Disorders <i>Open by lottery only - See REGIS Home page for details // Maximum enrollment: 25 students</i> | 01 | Paul, L | TR 10:30 - 11:55 | 25 BAX | |
| Psy/CNS 105A | 1.5-0-3.5 | Frontiers in Neuroeconomics | 01 | O'Doherty, J | M 10:30 - 11:55 | 125 BAX | |
| Ec/Psy 109 | 3-0-6 | Frontiers in Behavioral Economics | 01 | Camerer, C | TR 10:30 - 11:55 | 127 BAX | |
| SOCIAL SCIENCE | | | | | | | |
| SS 098 | + | Reading in Social Science | 01 | Staff | A | A | P |
| SS/CS 149 | 3-0-6 | Introduction to Algorithmic Economics | 01 | Ligett, K | MW 10:30 - 11:55 | 213 ANB | |
| SS 201A | 3-0-6 | Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i> | 01 | Saito, K | TR 17:00 - 18:25 | 127 BAX | G |
| SS 202A | 3-0-6 | Political Theory <i>Open to Social Science graduate students only.</i> | 01 | Palfrey, T | TR 09:00 - 10:25 | 125 BAX | G |
| SS 205A | 3-0-6 | Foundations of Economics <i>Open to Social Science graduate students only.</i> | 01 | Border, K | TR 14:30 - 15:55 | 228 BAX | G |
| SS 210A | 3-0-6 | Foundations of Political Economy | 01 | Agranov, M | W 13:00 - 15:55 | 228 BAX | G |
| SS 211A | 3-0-6 | Advanced Economic Theory | 01 | Border, K | MW 10:00 - 10:55 F 16:00 - 16:55 | 228 BAX 228 BAX | |
| SS/Ma 214 | 3-0-6 | Mathematical Finance | 01 | Cvitanic, J | TR 17:00 - 18:25 | 125 BAX | |
| SS 222A | 3-0-6 | Econometrics <i>Open to graduate students only.</i> | 01 | Shum, M | MW 10:30 - 11:55 | 127 BAX | G |
| SS 223A | 3-0-6 | Advanced Topics in Econometric Theory | 01 | Sherman, R | TR 10:30 - 11:55 | 19 BAX | |

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

| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-----------------------|-------|---|---------|--------------|------------------|----------|--------------|
| SOCIAL SCIENCE | | | | | | | |
| SS 229A | 3-0-6 | Theoretical and Quantitative Dimensions of Historical Development | 01 | Rosenthal, J | MW 13:00 - 14:25 | 133 BAX | G |
| SS 231A | 3-0-6 | American Politics <i>Open to graduate students only.</i> | 01 | Alvarez, R | T 13:00 - 15:55 | 33 BAX | G |
| SS 260 | 3-3-3 | Experimental Methods of Political Economy <i>Taught concurrently with Ec/PS 160 // Note: sec a required for secs b and c /Maximum enrollment: 10 students in 160a & 260a</i> | 01 | Plott, C | TR 09:00 - 10:25 | 127 BAX | G |
| SS 282A | 2-0-1 | Graduate Proseminar in Social Science | 01 | Rosenthal, J | M 14:30 - 15:55 | 125 BAX | P |
| SS 300 | + | Research in Social Science | 01 | Ledyard, J | A | A | P |
| | | | 02 | Plott, C | A | A | P |
| | | | 03 | Echenique, F | A | A | P |
| | | | 04 | Camerer, C | A | A | P |
| | | | 05 | Katz, J | A | A | P |
| | | | 06 | Cvitanic, J | A | A | P |
| | | | 08 | Bossaerts, P | A | A | P |
| | | | 09 | Rangel, A | A | A | P |
| | | | 10 | Kiewiet, D | A | A | P |
| | | | 11 | Alvarez, R | A | A | P |
| | | | 12 | Sherman, R | A | A | P |
| | | | 13 | Jackson, M | A | A | P |
| | | | 15 | Goeree, J | A | A | P |
| | | | 16 | Rosenthal, J | A | A | P |
| | | | 17 | Yariv, L | A | A | P |
| | | | 18 | Palfrey, T | A | A | P |
| | | | 19 | Shum, M | A | A | P |
| | | | 20 | Gillen, B | A | A | P |
| | | | 21 | Ortoleva, P | A | A | P |
| | | | 22 | Hoffman, P | A | A | P |
| | | | 23 | O'Doherty, J | A | A | P |
| | | | 24 | Lester, H | A | A | P |

CALIFORNIA INSTITUTE OF TECHNOLOGY
OFFICE OF THE REGISTRAR
Course Schedule FA 2013-14

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|---------------------|--------|---|---------|------------|------------------|----------|--------------|
| STUDY ABROAD | | | | | | | |
| CAM100 | 36-0-0 | Cambridge Scholars Program | 01 | Staff | A | A | P |
| CPH100 | 36-0-0 | Copenhagen Scholars Program | 01 | Staff | A | A | P |
| 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 |
| EPT100 | 36-0-0 | Ecole Polytechnique Scholars Program | 01 | Staff | A | A | P |
| MEL100 | 0-0-0 | Melbourne Scholars Program | 01 | Staff | A | A | P |
| WRITING | | | | | | | |
| Wr 001 | 3-0-6 | Introduction to Academic Writing for Multilingual Writers | 01 | Hall, S | TR 14:30 - 15:55 | 106 ANB | P |
| Wr 002 | 3-0-6 | Introduction to Academic Writing | 01 | Daley, C | TR 09:00 - 10:25 | 115 DAB | P |
| | | | 02 | Daley, C | TR 14:30 - 15:55 | SFL | P |
| | | | 03 | Daley, C | MW 13:00 - 14:25 | 125 BAX | P |
| Wr 050 | + | Tutorial in Writing | 01 | Hall, S | A | A | P |