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KEY TO ABBREVIATIONS

LOCATIONS

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

TIMES/LOCATION/UNITS

GRADING SCHEME

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

DAYS OF THE WEEK

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

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

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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 | Ravichandran, G | A | A | P |
| | | | 03 | Rosakis, A | A | A | P |
| | | | 04 | Meiron, D | A | A | P |
| | | | 05 | Dimotakis, P | A | A | P |
| | | | 06 | McKeon, B | A | A | P |
| | | | 07 | Dabiri, J | A | A | P |
| | | | 08 | Daraio, C | A | A | P |
| | | | 09 | Shepherd, J | A | A | P |
| | | | 10 | Gharib, M | A | A | P |
| Ae/APh/CE/ME 101C | 3-0-6 | Fluid Mechanics | 01 | Austin, J | MWF 10:00 - 10:55 | 101 GUG | G |
| Ae/AM/CE/ME 102C | 3-0-6 | Mechanics of Structures and Solids | 01 | Bhattacharya, K / Ortiz, M | TR 09:00 - 10:25 | 135 GTS/TOM | G |
| Ae/APh 104C | 0-6-3 | Experimental Methods | 01 | McKeon, B | TR 10:30 - 11:55 | Cann Lab GUG | G |
| Ae 105C | 3-0-6 | Aerospace Engineering | 01 | Davis, G | TR 16:00 - 17:25 | 306 FIR | G |
| APh/Ph/Ae 116 | 3-0-9 | Physics of Thermal and Mass Transport in Hydrodynamic Systems <i>make-up classes will be held on Fridays from 1-2:30 in Watson 104</i> | 01 | Troian, S | TR 13:00 - 14:25 | 104 WAT | |
| Ae 121C | 3-0-6 | Space Propulsion | 01 | Polk, J | TR 13:00 - 14:25 | 202 GUG | |
| Ae 150C | 1-0-0 | Aerospace Engineering Seminar | 01 | McKeon, B | M 13:00 - 13:55 | 101 GUG | P |
| Ae 159 | 3-0-6 | Space Optical System Engineering | 01 | Breckinridge, J | MW 09:30 - 10:55 | 202 GUG | |
| Ae 200 | + | Advanced Research in Aerospace | 01 | Bellan, P | A | A | P |
| | | | 02 | Schneider, T | A | A | P |

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|------------------|-------|--------------------------------|---------|-----------------|------------------------|----------|-------------------------|------------------------------------|--------------------|---|
| AEROSPACE | | | | | | | | | | |
| Ae 200 | + | Advanced Research in Aerospace | 03 | Pellegrino, S | A | A | P | | | |
| | | | 04 | Dimotakis, P | A | A | P | | | |
| | | | 05 | Gharib, M | A | A | P | | | |
| | | | 06 | Hornung, H | A | A | P | | | |
| | | | 07 | McKeon, B | A | A | P | | | |
| | | | 08 | Leonard, A | A | A | P | | | |
| | | | 09 | Murray, R | A | A | P | | | |
| | | | 10 | Ortiz, M | A | A | P | | | |
| | | | 11 | Pullin, D | A | A | P | | | |
| | | | 12 | Ravichandran, G | A | A | P | | | |
| | | | 13 | Rosakis, A | A | A | P | | | |
| | | | 14 | Bhattacharya, K | A | A | P | | | |
| | | | 15 | Colonus, T | A | A | P | | | |
| | | | 16 | Shepherd, J | A | A | P | | | |
| | | | 17 | Blake, G | A | A | P | | | |
| | | | 18 | Lapusta, N | A | A | P | | | |
| | | | 19 | Troian, S | A | A | P | | | |
| | | | 20 | Daraio, C | A | A | P | | | |
| | | | 21 | Dabiri, J | A | A | P | | | |
| | | | 22 | Blanquart, G | A | A | P | | | |
| | | | 23 | Kochmann, D | A | A | P | | | |
| | | | 24 | Greer, J | A | A | P | | | |
| | | | 25 | Gurnis, M | A | A | P | | | |
| | | | 26 | Minnich, A | A | A | P | | | |
| | | | 27 | Johnson, J | A | A | P | | | |
| | | | 28 | Austin, J | A | A | P | | | |
| | | | 29 | Kulkarni, S | A | A | P | | | |
| | | | Ae 205B | 2-4-3 | Advanced Space Project | 01 | Pellegrino, S | M 15:30 - 16:55 R 16:00 - 17:25 | 200 GUG 306 FIR | |
| | | | Ae 208C | 1-0-0 | GALCIT Colloquium | 01 | Kochmann, D / Austin, J | F 15:00 - 15:55 | 101 GUG | P |

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|---|-------|---|---------|-------------------|-------------------|------------------|--------------|
| AEROSPACE | | | | | | | |
| Ae/AM/ME 223 | 3-0-6 | Plasticity | 01 | Ortiz, M | MWF 09:00 - 09:55 | 306 FIR | |
| Ae 239B | 3-0-6 | Turbulence | 01 | Dimotakis, P | TR 10:30 - 11:55 | 101 GUG | P |
| Ae 240 | + | Special Topics in Fluid Mechanics <i>Section 1: Educational Exchange (Pass-Fail only)</i> | 01 | McKeon, B | A | A | |
| ANTHROPOLOGY | | | | | | | |
| An 022 | 3-0-6 | Introduction to Sociocultural Anthropology <i>Maximum Enrollment: 33 students // class closed // class will meet in Gates 22 on May 17th</i> | 01 | Ensminger, J | TR 14:30 - 15:55 | 25 BAX | G |
| An/PS 127 | 3-0-6 | Corruption <i>class closed</i> | 01 | Ensminger, J | MW 14:30 - 15:55 | 25 BAX | G |
| APPLIED & COMPUTATIONAL MATH | | | | | | | |
| ACM011 | 2-2-2 | Introduction to Matlab and Mathematica | 01 | Zuev, K | F 10:00 - 11:55 | 213 ANB | |
| ACM095B | 4-0-8 | Introductory Methods of Applied Mathematics for the Physical Sciences | 01 | Meiron, D | MWF 11:00 - 12:15 | Lecture Hall BAX | |
| ACM100B | 4-0-8 | Introductory Methods of Applied Mathematics for the Physical Sciences | 01 | Meiron, D | MWF 11:00 - 12:15 | Lecture Hall BAX | |
| ACM106B | 3-0-9 | Introductory Methods of Computational Mathematics | 01 | Hou, Y | TR 13:00 - 14:25 | 105 ANB | |
| ACM190 | + | Reading and Independent Study | 01 | Owhadi, H | A | A | P |
| | | | 02 | Tropp, J | A | A | P |
| | | | 03 | Stevenson, D | A | A | P |
| ACM213 | 3-0-6 | Topics in Optimization | 01 | Chandrasekaran, V | TR 13:00 - 14:25 | 213 ANB | |

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| APPLIED & COMPUTATIONAL MATH | | | | | | | |
| ACM270 | 3-1-5 | Advanced Topics in Applied and Computational Math: Applied Linear Algebra | 01 | Zuev, K | MW 10:30 - 11:55 | 107 ANB | |
| ACM300 | + | Research in Applied and Computational Mathematics | 01 | Bruno, O | A | A | P |
| | | | 02 | Chandrasekaran, V | A | A | P |
| | | | 03 | Desbrun, M | A | A | P |
| | | | 04 | Hou, Y | A | A | P |
| | | | 05 | Tropp, J | A | A | P |
| | | | 06 | Meiron, D | A | A | P |
| | | | 08 | Owhadi, H | A | A | P |
| | | | 09 | Hassibi, B | A | A | P |
| | | | 10 | Schroeder, P | A | A | P |
| | | | 11 | Beck, J | A | A | P |
| | | | 12 | Ho, T | A | A | P |
| | | | APPLIED MECHANICS | | | | |
| Ae/AM/CE/ME 102C | 3-0-6 | Mechanics of Structures and Solids | 01 | Bhattacharya, K / Ortiz, M | TR 09:00 - 10:25 | 135 GTS/TOM | G |
| AM/CE/ME 150C | 1-0-0 | Graduate Engineering Seminar | 01 | Lapusta, N | R 11:00 - 11:55 | 135 GTS/TOM | P |
| Ae/AM/ME 223 | 3-0-6 | Plasticity | 01 | Ortiz, M | MWF 09:00 - 09:55 | 306 FIR | |
| AM 300 | + | Research in Applied Mechanics | 01 | Beck, J | A | A | P |
| | | | 02 | Bhattacharya, K | A | A | P |
| | | | 03 | Andrade, J | A | A | P |
| | | | 04 | Avouac, J | A | A | P |
| | | | 05 | Murray, R | A | A | P |
| | | | 06 | Ortiz, M | A | A | P |
| | | | 07 | Phillips, R | A | A | P |
| | | | 08 | Ravichandran, G | A | A | P |
| APPLIED PHYSICS | | | | | | | |

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| APPLIED PHYSICS | | | | | | | |
| APh/EE 009B | 2-2-2 | Solid-State Electronics for Integrated Circuits | 01 | Scherer, A | TR 15:00 - 15:55 | 104 WAT | G |
| APh024 | 0-4-2 | Introductory Modern Optics Laboratory | 01 | Faraon, A | M 14:30 - 17:55 | 060 MRE | G |
| APh077C | 0-9-0 | Laboratory in Applied Physics | 01 | Bellan, P | OM,T 16:00 - 16:55 | 265 WAT | G |
| APh078C | 0-9-0 | Senior Thesis, Experimental | 01 | Atwater, H | A | A | G |
| | | | 02 | Painter, O | A | A | G |
| | | | 03 | Yung, Y | A | A | G |
| | | | 04 | Scherer, A | A | A | G |
| | | | 05 | Vahala, K | A | A | G |
| | | | 06 | Bellan, P | A | A | G |
| | | | 07 | Troian, S | A | A | G |
| | | | 08 | Phillips, R | A | A | G |
| | | | 09 | Faraon, A | A | A | G |
| | | | 10 | Schwab, K | A | A | G |
| APh079C | 0-9-0 | Senior Thesis, Theoretical | 01 | Phillips, R | OM,A | A | G |
| | | | 02 | Troian, S | A | A | G |
| APh100 | + | Advanced Work in Applied Physics | 01 | Phillips, R | A | A | P |
| | | | 02 | Atwater, H | A | A | P |
| | | | 03 | Faraon, A | A | A | P |
| | | | 04 | Schwab, K | A | A | P |
| | | | 05 | Troian, S | A | A | P |
| | | | 06 | Faraon, A | A | A | P |
| | | | 07 | Bellan, P | A | A | P |
| | | | 08 | Scherer, A | A | A | P |
| | | | 09 | Minnich, A | A | A | P |
| | | | 10 | Painter, O | A | A | P |
| | | | 11 | Quartz, S | A | A | P |
| | | | 12 | Kimble, H | A | A | P |

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| APPLIED PHYSICS | | | | | | | |
| Ae/APh/CE/ME 101C | 3-0-6 | Fluid Mechanics | 01 | Austin, J | MWF 10:00 - 10:55 | 101 GUG | G |
| Ae/APh 104C | 0-6-3 | Experimental Methods | 01 | McKeon, B | TR 10:30 - 11:55 | Cann Lab GUG | G |
| APh/MS 105C | 3-0-6 | States of Matter | 01 | Fultz, B | TR 10:30 - 11:55 | 104 WAT | |
| APh109 | 0-6-3 | Introduction to the Micro/Nanofabrication Lab | 01 | Ghaffari, A / Troian, S | MT 19:00 - 19:55 | 104 WAT | |
| APh114C | 3-0-6 | Solid-State Physics | 01 | Painter, O | MWF 09:00 - 09:55 | 104 WAT | |
| APh/Ph/Ae 116 | 3-0-9 | Physics of Thermal and Mass Transport in Hydrodynamic Systems <i>make-up classes will be held on Fridays from 1-2:30 in Watson 104</i> | 01 | Troian, S | TR 13:00 - 14:25 | 104 WAT | |
| Ph/APh/EE/BE 118C | 3-0-6 | Physics of Measurement | 01 | Yeh, N | TR 14:30 - 15:55 | 107 DWN | P |
| MS/APh 122 | 0-4-5 | Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i> | 01 | Fultz, B / Garland, C | A | A | |
| APh150 | + | Topics in Applied Physics | 01 | Phillips, R | A | A | P |
| APh156C | 3-0-6 | Plasma Physics | 01 | Bellan, P | MW 14:30 - 15:55 | 104 WAT | G |
| APh/EE 183 | 3-0-6 | Physics of Semiconductors and Semiconductor Devices <i>class cancelled</i> | 01 | Staff | A | A | |
| APh200 | + | Applied Physics Research | 01 | Desbrun, M | A | A | P |
| | | | 02 | Bellan, P | A | A | P |
| | | | 03 | Atwater, H | A | A | P |
| | | | 04 | Troian, S | A | A | P |
| | | | 05 | Johnson, W | A | A | P |

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| APPLIED PHYSICS | | | | | | | |
| APh200 | + | Applied Physics Research | 06 | Chen, Y | A | A | P |
| | | | 07 | Yariv, A | A | A | P |
| | | | 08 | Vahala, K | A | A | P |
| | | | 09 | Lewis, N | A | A | P |
| | | | 10 | Fultz, B | A | A | P |
| | | | 11 | Schwab, K | A | A | P |
| | | | 12 | Heath, J | A | A | P |
| | | | 13 | Refael, G | A | A | P |
| | | | 14 | Kimble, H | A | A | P |
| | | | 15 | Goddard, W | A | A | P |
| | | | 16 | Faraon, A | A | A | P |
| | | | 17 | Minnich, A | A | A | P |
| | | | 18 | Yang, C | A | A | P |
| | | | 19 | Motrunich, O | A | A | P |
| | | | 20 | Hsieh, D | A | A | P |
| | | | 21 | Preskill, J | A | A | P |
| | | | 22 | Painter, O | A | A | P |
| | | | 23 | Bernardi, M | A | A | P |
| | | | 24 | Roukes, M | A | A | P |
| | | | 25 | Alicea, J | A | A | P |
| 26 | Gharib, M | A | A | P | | | |
| 39 | Scherer, A | A | A | P | | | |
| 40 | Phillips, R | A | A | P | | | |
| Ph/APh 223B | 3-0-6 | Advanced Condensed-Matter Physics | 01 | Motrunich, O | MW 09:00 - 10:25 | 269 LAU | |
| APh300 | + | Thesis Research in Applied Physics | 01 | Yariv, A | A | A | P |
| | | | 02 | Troian, S | A | A | P |
| | | | 03 | Vahala, K | A | A | P |
| | | | 04 | Schwab, K | A | A | P |
| | | | 06 | Flagan, R | A | A | P |
| | | | 07 | Faraon, A | A | A | P |
| | | | 08 | Hsieh, D | A | A | P |

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| APPLIED PHYSICS | | | | | | | |
| APh300 | + | Thesis Research in Applied Physics | 09 | Fultz, B | A | A | P |
| | | | 10 | Atwater, H | A | A | P |
| | | | 11 | Desbrun, M | A | A | P |
| | | | 12 | Daraio, C | A | A | P |
| | | | 16 | Vahala, K | A | A | P |
| | | | 21 | Roukes, M | A | A | P |
| | | | 26 | Scherer, A | A | A | P |
| | | | 27 | Chen, Y | A | A | P |
| | | | 31 | Phillips, R | A | A | P |
| | | | 33 | Bellan, P | A | A | P |
| | | | 36 | Painter, O | A | A | P |
| | | | 38 | Zmuidzinas, J | A | A | P |
| ART HISTORY | | | | | | | |
| Art055 | 3-0-6 | Art of the 19th Century <i>maximum enrollment: 20 students</i> | 01 | Bennett, S | TR 19:00 - 20:25 | 228 BAX | |
| ASTROPHYSICS | | | | | | | |
| Ay 001 | 3-3-3 | The Evolving Universe | 01 | Djorgovski, S | MWF 14:00 - 14:55 | Hameetman Aud CHL | G |
| Ge/Ay 011C | 3-0-6 | Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i> | 01 | Brown, M | TR 10:30 - 11:55 | 162 SMD | |
| Ay 031 | 1-0-2 | Writing in Astronomy <i>Open to declared Ay majors at the discretion of the instructor //Nonmajors who have taken Astronomy courses may be admitted, but must have prior approval of instructor. Maximum enrollment: 11 students</i> | 01 | Hillenbrand, L | W 11:00 - 11:55 | 219 CHL | G |
| Ay 043 | + | Reading in Astronomy and Astrophysics | 01 | Hillenbrand, L | A | A | P |

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| ASTROPHYSICS | | | | | | | |
| Ay 078C | + | Senior Thesis | 01 | Ellis, R | A | A | P |
| | | | 02 | Hillenbrand, L | A | A | P |
| | | | 03 | Readhead, A | A | A | P |
| | | | 04 | Steidel, C | A | A | P |
| | | | 05 | Cohen, J | A | A | P |
| | | | 06 | Scoville, N | A | A | P |
| | | | 07 | Ott, C | A | A | P |
| | | | 08 | Martin, C | A | A | P |
| | | | 09 | Prince, T | A | A | P |
| | | | 10 | Readhead, A | A | A | P |
| | | | 11 | Harrison, F | A | A | P |
| | | | 12 | Hallinan, G | A | A | P |
| | | | 13 | Phinney, E | A | A | P |
| | | | 14 | Hopkins, P | A | A | P |
| | | | 15 | Knutson, H | A | A | P |
| | | | 16 | Mawet, D | A | A | P |
| | | | 17 | Kirby, E | A | A | P |
| | | | 18 | Kasliwal, M | A | A | P |
| | | | 19 | Djorgovski, S | A | A | P |
| Ay/Ph 104 | 3-0-6 | Relativistic Astrophysics | 01 | Kasliwal, M | TR 09:00 - 10:25 | 219 CHL | |
| Ay 119 | 3-0-6 | Methods of Computational Science | 01 | Djorgovski, S | F 15:00 - 15:55 | 100 PWL/BTH | |
| Ay 125 | 3-0-6 | High-Energy Astrophysics | 01 | Phinney, E | TR 13:00 - 14:25 | 219 CHL | |
| Ay 127 | 3-0-6 | Cosmology and Galaxy Formation | 01 | Hopkins, P | MW 09:00 - 10:25 | 219 CHL | |
| Ge/Ay 133 | 3-0-6 | The Formation and Evolution of Planetary Systems | 01 | Knutson, H / Batygin, K | MWF 13:00 - 13:55 | 162 SMD | |
| Ay 141C | 1-0-2 | Research Conference in Astronomy | 01 | Kasliwal, M / Phinney, E | F 16:00 - 16:55 | 370 CHL | P |

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| ASTROPHYSICS | | | | | | | |
| Ay 142 | + | Research in Astronomy and Astrophysics | 01 | Ott, C | A | A | P |
| | | | 02 | Blake, G | A | A | P |
| | | | 03 | Stevenson, D | A | A | P |
| | | | 04 | Brown, M | A | A | P |
| | | | 05 | Harrison, F | A | A | P |
| | | | 06 | Djorgovski, S | A | A | P |
| | | | 07 | Ellis, R | A | A | P |
| | | | 08 | Goldreich, P | A | A | P |
| | | | 09 | Hillenbrand, L | A | A | P |
| | | | 10 | Johnson, J | A | A | P |
| | | | 11 | Kulkarni, S | A | A | P |
| | | | 12 | Martin, C | A | A | P |
| | | | 13 | Zmuidzinas, J | A | A | P |
| | | | 14 | Hallinan, G | A | A | P |
| | | | 15 | Prince, T | A | A | P |
| | | | 16 | Mawet, D | A | A | P |
| | | | 17 | Hirata, C | A | A | P |
| | | | 18 | Readhead, A | A | A | P |
| | | | 19 | Sargent, A | A | A | P |
| | | | 20 | Hopkins, P | A | A | P |
| | | | 21 | Dore, O | A | A | P |
| | | | 22 | Scoville, N | A | A | P |
| | | | 23 | Steidel, C | A | A | P |
| | | | 24 | Phinney, E | A | A | P |
| | | | 25 | Rogers, L | A | A | P |
| | | | 26 | Soifer, B | A | A | P |
| | | | 27 | Knutson, H | A | A | P |
| | | | 28 | Kasliwal, M | A | A | P |
| | | | 29 | Kirby, E | A | A | P |
| | | | 30 | Batygin, K | A | A | P |
| Ay 143 | + | Reading and Independent Study | 01 | Steidel, C | A | A | P |
| | | | 02 | Ott, C | A | A | P |
| | | | 03 | Kulkarni, S | A | A | P |

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| ASTROPHYSICS | | | | | | | |
| Ay 143 | + | Reading and Independent Study | 04 | Hopkins, P | A | A | P |
| | | | 05 | Batygin, K | A | A | P |
| | | | 06 | Brown, M | A | A | P |
| | | | 07 | Blake, G | A | A | P |
| | | | 08 | Knutson, H | A | A | P |
| Ay/Ge 198 | 2-0-4 | Special Topics in the Planetary Sciences: Extrasolar Planets | 01 | Batygin, K / Hillenbrand, L / Mawet, D | F 15:00 - 16:55 | 219 CHL | |
| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| BMB/Bi/Ch 174 | 3-0-6 | Molecular Machines in the Cell | 01 | Shan, S / Hoelz, A | TR 10:30 - 11:55 | 120 BRN | G |
| BMB/Ch 202C | 1-0-0 | Biochemistry Seminar Course <i>Students will meet with the BMB seminar speaker in a discussion section for an hour and then attend the seminar at 4pm. BMB seminars are offered 1-2 times a month on any given Thursday.</i> | 01 | Clemons, W | R 12:00 - 12:55 | 370 BRN | P |
| BMB/Ch 230 | 2-4-6 | Macromolecular Structure Determination with Modern X-ray Crystallography Methods | 01 | Hoelz, A | W 14:00 - 15:55 | 101 SCH | |
| Bi/BMB 251C | 1-0-0 | Current Research in Cellular and Molecular Biology | 01 | Sternberg, P / Hay, B | W 12:00 - 13:25 | B180 BBB | P |
| BMB299 | + | Graduate Research | 01 | Mayo, S | A | A | P |
| | | | 02 | Deshaies, R | A | A | P |
| | | | 03 | Fraser, S | A | A | P |
| | | | 04 | Bjorkman, P | A | A | P |
| | | | 05 | Arnold, F | A | A | P |
| | | | 06 | Rees, D | A | A | P |
| | | | 07 | Baltimore, D | A | A | P |
| | | | 08 | Campbell, J | A | A | P |
| | | | 09 | Goddard, W | A | A | P |
| | | | 10 | Kennedy, M | A | A | P |
| | | | 11 | Hsieh-Wilson, L | A | A | P |

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|--|-------|-------------------|---------|---------------|-----------|----------|--------------|
| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| BMB299 | + | Graduate Research | 12 | Tirrell, D | A | A | P |
| | | | 13 | Parker, C | A | A | P |
| | | | 14 | Greer, J | A | A | P |
| | | | 15 | Dervan, P | A | A | P |
| | | | 16 | Chan, D | A | A | P |
| | | | 17 | Anderson, D | A | A | P |
| | | | 18 | Dougherty, D | A | A | P |
| | | | 19 | Shan, S | A | A | P |
| | | | 20 | Jensen, G | A | A | P |
| | | | 21 | Elowitz, M | A | A | P |
| | | | 22 | Patterson, P | A | A | P |
| | | | 23 | Heath, J | A | A | P |
| | | | 24 | Meyerowitz, E | A | A | P |
| | | | 25 | Hay, B | A | A | P |
| | | | 26 | Wold, B | A | A | P |
| | | | 27 | Davis, M | A | A | P |
| | | | 28 | Phillips, R | A | A | P |
| | | | 29 | Barton, J | A | A | P |
| | | | 30 | Clemons, W | A | A | P |
| | | | 31 | Leadbetter, J | A | A | P |
| | | | 32 | Murray, R | A | A | P |
| | | | 33 | Mazmanian, S | A | A | P |
| | | | 34 | Baltimore, D | A | A | P |
| | | | 35 | Wang, Z | A | A | P |
| | | | 36 | Gharib, M | A | A | P |
| | | | 37 | Rothenberg, E | A | A | P |
| | | | 38 | Lester, H | A | A | P |
| | | | 39 | Pierce, N | A | A | P |
| | | | 40 | Sternberg, P | A | A | P |
| | | | 41 | Roukes, M | A | A | P |
| | | | 42 | Gray, H | A | A | P |
| | | | 43 | Shapiro, M | A | A | P |
| | | | 44 | Newman, D | A | A | P |

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|--|------------|--|---------|---------------|------------------|----------|--------------|
| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| BMB299 | + | Graduate Research | 45 | Cai, L | A | A | P |
| | | | 46 | Varshavsky, A | A | A | P |
| | | | 47 | Hoelz, A | A | A | P |
| | | | 48 | Goentoro, L | A | A | P |
| | | | 49 | Guttman, M | A | A | P |
| | | | 50 | Meister, M | A | A | P |
| | | | 51 | Zinn, K | A | A | P |
| BIOENGINEERING | | | | | | | |
| Bi/BE 024 | 3-0-3 | Technical Communication for Biological Scientists and Engineers <i>maximum enrollment: 20 students</i> | 01 | Anderson, B | TR 10:30 - 11:55 | 101 KRK | G |
| BE 098 | + | Undergraduate Research in Bioengineering <i>If your research adviser 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 |
| | | | 06 | Gradinaru, V | 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 | Shimojo, S | A | A | P |
| | | | 12 | Pierce, N | A | A | P |
| | | | 13 | Shapiro, M | A | A | P |
| | | | 14 | Shan, S | A | A | P |
| | | | 15 | Qian, L | 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 | | | |
| 23 | Elowitz, M | A | A | P | | | |

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|-----------------------|-------|--|---------|--------------------------|-------------------------------------|---------------------------|--------------|
| BIOENGINEERING | | | | | | | |
| BE 098 | + | Undergraduate Research in Bioengineering <i>If your research adviser does not appear below, please contact the Office of the Registrar.</i> | 24 | Murray, R | A | A | P |
| | | | 26 | Leadbetter, J | A | A | P |
| | | | 27 | Winfree, E | A | A | P |
| | | | 28 | Guttman, M | A | A | P |
| | | | 30 | Kornfield, J | A | A | P |
| | | | 31 | Baltimore, D | A | A | P |
| | | | 33 | Hay, B | A | A | P |
| | | | 34 | Beauchamp, J | A | A | P |
| | | | 35 | Bjorkman, P | A | A | P |
| | | | 36 | Adolphs, R | A | A | P |
| BE/Bi 101 | 3-0-3 | Order of Magnitude Biology | 01 | Bois, J / Phillips, R | F 14:00 - 15:55 | 100 - Rock Auditorium BRD | |
| BE 107 | 3-5-1 | Exploring Biological Principles through Bio-Inspired Design <i>Maximum enrollment: 16 students</i> | 01 | Dickinson, M / Murray, R | MW 11:00 - 11:55 T 13:00 - 15:55 | B101 BBB 152 BRN | |
| Ph/APh/EE/BE 118C | 3-0-6 | Physics of Measurement | 01 | Yeh, N | TR 14:30 - 15:55 | 107 DWN | P |
| BE 150 | 3-0-6 | Design Principles of Genetic Circuits <i>taught concurrently with Bi 250b</i> | 01 | Bois, J / Elowitz, M | MWF 11:00 - 11:55 | 100 - Rock Auditorium BRD | |
| BE 153 | 3-0-6 | Case Studies in Systems Physiology | 01 | Petrasek, D | TR 14:30 - 15:55 | 200 BRD | |
| BE/CS/CNS/Bi 191B | 2-4-3 | Biomolecular Computation | 01 | Winfree, E | R 19:30 - 21:55 | 106 ANB | |
| BE/CS 196B | 3-6-3 | Design and Construction of Programmable Molecular Systems <i>not offered spring term</i> | 01 | Staff | A | A | |
| BE 200 | + | Research in Bioengineering | 01 | Arnold, F | A | A | P |
| | | | 02 | Phillips, R | A | A | P |
| | | | 03 | Burdick, J | A | A | P |
| | | | 04 | Gradinaru, V | A | A | P |
| | | | 05 | Dervan, P | A | A | P |

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|-----------------------|-------|----------------------------|------------------|---------------|--|----------|--------------|------------------|---------|--|
| BIOENGINEERING | | | | | | | | | | |
| BE 200 | + | Research in Bioengineering | 06 | Goentoro, L | A | A | P | | | |
| | | | 07 | Gharib, M | A | A | P | | | |
| | | | 08 | Hajimiri, S | A | A | P | | | |
| | | | 09 | Heath, J | A | A | P | | | |
| | | | 10 | Lester, H | A | A | P | | | |
| | | | 11 | Ismagilov, R | A | A | P | | | |
| | | | 12 | Pierce, N | A | A | P | | | |
| | | | 13 | Meister, M | A | A | P | | | |
| | | | 14 | Guttman, M | A | A | P | | | |
| | | | 15 | Troian, 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 | | | |
| | | | 21 | Rothmund, P | A | A | P | | | |
| | | | 23 | Elowitz, M | A | A | P | | | |
| | | | 24 | Murray, R | A | A | P | | | |
| | | | 25 | Goddard, W | A | A | P | | | |
| | | | 26 | Leadbetter, J | A | A | P | | | |
| | | | 27 | Winfree, E | A | A | P | | | |
| | | | 28 | Shapiro, M | A | A | P | | | |
| | | | 29 | Cai, L | A | A | P | | | |
| | | | 30 | Sternberg, P | A | A | P | | | |
| | | | 31 | Kornfield, J | A | A | P | | | |
| | | | 32 | Andersen, R | A | A | P | | | |
| | | | 33 | Qian, L | A | A | P | | | |
| | | | 34 | Hong, E | A | A | P | | | |
| | | | 35 | Mayo, S | A | A | P | | | |
| | | | 36 | Dickinson, M | A | A | P | | | |
| | | | Bi/CNS/BE/NB 230 | 3-2-4 | Optogenetic and CLARITY Methods in Experimental Neuroscience <i>Maximum enrollment: 12 students</i> | 01 | Gradinaru, V | WR 10:00 - 11:55 | 152 BRN | |

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|-----------------|-------|--|---------|--------------------------|-------------------------------------|--|--------------|
| BIOLOGY | | | | | | | |
| Bi 001 | 4-0-5 | Principles of Biology <i>Maximum enrollment: 12 students per section</i> | 01 | Newman, D | TR 13:00 - 14:25 R 19:00 - 19:55 | 119 KRK B101 BBB | G |
| | | | 02 | Newman, D | TR 13:00 - 14:25 R 19:00 - 19:55 | 119 KRK 27 GTS | G |
| | | | 03 | Newman, D | TR 13:00 - 14:25 R 19:00 - 19:55 | 119 KRK 107 DWN | G |
| | | | 04 | Newman, D | TR 13:00 - 14:25 R 19:00 - 19:55 | 119 KRK 215 NMD | G |
| | | | 05 | Newman, D | TR 13:00 - 14:25 R 19:00 - 19:55 | 119 KRK 152 BRN | G |
| | | | 06 | Newman, D | TR 13:00 - 14:25 F 13:00 - 13:55 | 119 KRK B101 BBB | G |
| | | | 07 | Newman, D | TR 13:00 - 14:25 F 13:00 - 13:55 | 119 KRK 27 GTS | G |
| | | | 08 | Newman, D | TR 13:00 - 14:25 F 13:00 - 13:55 | 119 KRK 107 DWN | G |
| | | | 09 | Newman, D | TR 13:00 - 14:25 F 13:00 - 13:55 | 119 KRK 215 NMD | G |
| | | | 10 | Newman, D | TR 13:00 - 14:25 F 14:00 - 14:55 | 119 KRK 119 DWN | G |
| | | | 11 | Newman, D | TR 13:00 - 14:25 F 13:00 - 13:55 | 119 KRK 142 KCK | G |
| Bi 001X | 0-6-3 | The Great Ideas of Biology: Exploration through Experimentation <i>open by lottery only; see link on the REGIS home page to enter by February 24th // maximum enrollment: 24 students // Make-up classes will be on Thursdays from 7-10pm</i> | 01 | Bois, J | T 19:00 - 21:55 W 13:00 - 15:55 | 16/17 BRN 16/17 BRN | G |
| Bi 009 | 3-0-6 | Cell Biology | 01 | Aravin, A / Deshaies, R | TR 09:00 - 10:25 F 09:00 - 09:55 | 100 - Rock Auditorium BRD 100 - Rock Auditorium BRD | |
| Bi 010 | 1-3-2 | Introductory Biology Laboratory <i>Maximum enrollment: 16 students per section</i> | 01 | Deshaies, R / Bertani, L | M 15:00 - 15:55 T 14:00 - 16:55 | 119 KRK 317 KRK | |

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|-----------------|---------|---|---------|---------------------------|-----------------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 010 | 1-3-2 | Introductory Biology Laboratory <i>Maximum enrollment: 16 students per section</i> | 02 | Deshaies, R / Bertani, L | M 15:00 - 15:55 | 119 KRK | |
| | | | | | W 14:00 - 16:55 | 317 KRK | |
| | | | 03 | Deshaies, R / Bertani, L | M 15:00 - 15:55 | 119 KRK | |
| | | | | | F 14:00 - 16:55 | 317 KRK | |
| Bi 022 | + | Undergraduate Research | 01 | Shan, S | A | A | P |
| | | | 02 | Bronner Hansen, M | A | A | P |
| | | | 03 | Davidson, E | A | A | P |
| | | | 04 | Varshavsky, A | A | A | P |
| | | | 05 | Arnold, F | A | A | P |
| | | | 06 | Stathopoulos, A | A | A | P |
| | | | 07 | Zinn, K | A | A | P |
| | | | 08 | Bronner Hansen, M | A | A | P |
| | | | 09 | Mazmanian, S | A | A | P |
| | | | 10 | Strauss, J | A | A | P |
| | | | 11 | Newman, D | A | A | P |
| | | | 12 | Chan, D | A | A | P |
| | | | 13 | Leadbetter, J | A | A | P |
| | | | 14 | Tirrell, D | A | A | P |
| | | | 15 | Patterson, P | A | A | P |
| | | | 16 | Orphan, V | A | A | P |
| | | | 17 | Fraser, S | A | A | P |
| | | | 18 | Deshaies, R | A | A | P |
| | | | 19 | Kennedy, M | A | A | P |
| | | | 20 | Shimojo, S | A | A | P |
| | | | 21 | Adolphs, R | A | A | P |
| | | | 22 | Lester, H | A | A | P |
| | | | 23 | Prober, D | A | A | P |
| | | | 24 | Gradinaru, V | A | A | P |
| | | | 25 | Allman, J | A | A | P |
| | | | 26 | Wold, B | A | A | P |
| | | | 27 | Peter Lashgari Faghani, I | A | A | P |
| | | | 28 | Meyerowitz, E | A | A | P |
| 31 | Rees, D | A | A | P | | | |

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|-----------------|--------------|---|---------|----------------------------|------------------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 022 | + | Undergraduate Research | 32 | Aravin, A | A | A | P |
| | | | 33 | Bjorkman, P | A | A | P |
| | | | 36 | Baltimore, D | A | A | P |
| | | | 39 | Parker, C | A | A | P |
| | | | 40 | Winfrey, E | A | A | P |
| | | | 41 | Hsiao, E | A | A | P |
| | | | 43 | Hay, B | A | A | P |
| | | | 44 | Jensen, G | A | A | P |
| | | | 45 | Goddard, W | A | A | P |
| | | | 46 | Elowitz, M | A | A | P |
| | | | 47 | Anderson, D | A | A | P |
| | | | 48 | Stathopoulos, A | A | A | P |
| | | | 49 | Rothenberg, E | A | A | P |
| | | | 50 | Sternberg, P | A | A | P |
| | | | 55 | Sternberg, P | A | A | P |
| | | | 56 | Phillips, R | A | A | P |
| | | | 57 | Clemons, W | A | A | P |
| 58 | Oka, Y | A | A | P | | | |
| 59 | Dickinson, M | A | A | P | | | |
| Bi/BE 024 | 3-0-3 | Technical Communication for Biological Scientists and Engineers <i>maximum enrollment: 20 students</i> | 01 | Anderson, B | TR 10:30 - 11:55 | 101 KRK | G |
| Bi 090C | + | Undergraduate Thesis | 01 | Patterson, P / Bjorkman, P | A | A | P |
| | | | 03 | Sternberg, P / Bjorkman, P | A | A | P |
| | | | 04 | Davidson, E / Bjorkman, P | A | A | P |
| | | | 05 | Davis, M / Bjorkman, P | A | A | P |
| | | | 06 | Bjorkman, P | A | A | P |
| | | | 07 | Aravin, A / Bjorkman, P | A | A | P |
| | | | 08 | Doyle, J / Bjorkman, P | A | A | P |
| | | | 09 | Newman, D / Bjorkman, P | A | A | P |

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|--------------------|-------|---|---------|-----------------------------|-------------------------------------|--------------------------------------|--------------|
| BIOLOGY | | | | | | | |
| Bi 090C | + | Undergraduate Thesis | 10 | Baltimore, D / Bjorkman, P | A | A | P |
| | | | 11 | Rothenberg, E / Bjorkman, P | A | A | P |
| | | | 12 | Wold, B / Bjorkman, P | A | A | P |
| BE/Bi 101 | 3-0-3 | Order of Magnitude Biology | 01 | Bois, J / Phillips, R | F 14:00 - 15:55 | 100 - Rock Auditorium BRD | |
| CNS/SS/Psy/Bi 102B | 3-0-6 | Brains, Minds, and Society | 01 | Camerer, C / O'Doherty, J | MW 14:30 - 15:55 | 125 BAX | |
| Bi/Ch 113 | 4-0-8 | Biochemistry of the Cell | 01 | Chan, D / Hoelz, A | TR 11:00 - 11:55 W 14:00 - 15:55 | 100 - Rock Auditorium BRD 200 BRD | |
| | | | 02 | Chan, D / Hoelz, A | TR 11:00 - 11:55 R 19:00 - 20:55 | 100 - Rock Auditorium BRD 101 KRK | |
| Bi 115 | 3-0-6 | Attack and Repulsion: Viruses and their Hosts | 01 | Baltimore, D | TR 10:30 - 11:55 | B180 BBB | |
| Bi/CNS 158 | 3-0-6 | Vertebrate Evolution <i>Students must have taken Bi 1, Bi 1x, Bi 8, or Bi 9 as a prerequisite.</i> | 01 | Allman, J | F 14:00 - 15:55 | 200 BRD | G |
| Bi/CNS/NB 162 | 2-7-3 | Cellular and Systems Neuroscience Laboratory <i>Maximum enrollment: 18 students</i> | 01 | Steele, A / Bremner, L | W 13:00 - 16:55 | 56 CHR | P |
| BMB/Bi/Ch 174 | 3-0-6 | Molecular Machines in the Cell | 01 | Shan, S / Hoelz, A | TR 10:30 - 11:55 | 120 BRN | G |
| Bi/CNS/NB 185 | 2-0-4 | Large Scale Brain Networks <i>class cancelled</i> | 01 | Staff | A | A | |
| Bi 190 | 2-0-4 | Systems Genetics | 01 | Sternberg, P | MW 11:00 - 11:55 | 101 KRK | |
| BE/CS/CNS/Bi 191B | 2-4-3 | Biomolecular Computation | 01 | Winfree, E | R 19:30 - 21:55 | 106 ANB | |

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|------------------|-------|--|----------------------------------|--|---------------------------------------|----------------------------|----------------------------|
| BIOLOGY | | | | | | | |
| Bi 206 | 2-0-4 | Biochemical and Genetic Methods in Biological Research | 01 | Varshavsky, A | T 13:00 - 14:55 | 100 - Rock Auditorium BRD | P |
| Bi/CNS/BE/NB 230 | 3-2-4 | Optogenetic and CLARITY Methods in Experimental Neuroscience <i>Maximum enrollment: 12 students</i> | 01 | Gradinaru, V | WR 10:00 - 11:55 | 152 BRN | |
| Ch/Bi 231 | 2-0-4 | Advanced Topics in Biochemistry | 01 | Campbell, J / Parker, C | OM,M 14:00 - 14:55 | 152 BRN | |
| Ge/Bi 244 | 3-0-3 | Paleobiology Seminar | 01 | Kirschvink, J | OM,M 09:00 - 09:25 M 19:30 - 20:55 | 267 ARM A | |
| Ge/Bi/ESE 246 | 2-0-4 | Molecular Geobiology Seminar | 01 | Orphan, V | W 12:00 - 13:55 | 267 ARM | P |
| Bi 250B | 3-0-6 | Topics in Systems Biology <i>taught concurrently with BE 150</i> | 01 | Elowitz, M / Bois, J | MWF 11:00 - 11:55 | 100 - Rock Auditorium BRD | |
| Bi/CNS/NB 250C | 3-0-6 | Topics in Systems Neuroscience | 01 | Siapas, A | F 14:00 - 16:55 | 101 KRK | |
| Bi/BMB 251C | 1-0-0 | Current Research in Cellular and Molecular Biology | 01 | Sternberg, P / Hay, B | W 12:00 - 13:25 | B180 BBB | P |
| Bi 252 | 2-0-2 | Responsible Conduct of Research | 01 | Sternberg, P / Meyerowitz, E | M 14:00 - 15:55 | 100 - Rock Auditorium BRD | P |
| CNS/Bi/NB 256 | 2-0-4 | Decision Making | 01 | Andersen, R | TR 13:00 - 13:55 | 333 BBB | |
| CNS/Bi 286C | + | Special Topics in Computation and Neural Systems | 01 | Meister, M | TR 09:00 - 10:25 | B180 BBB | |
| Bi 299 | + | Graduate Research | 01 02 03 04 05 06 | Stathopoulos, A Baltimore, D Allman, J Andersen, R Anderson, D Mazmanian, S | A A A A A A | A A A A A A | P P P P P P |

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|-----------------|-------|-------------------|---------|-------------------|-----------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 299 | + | Graduate Research | 07 | Clemons, W | A | A | P |
| | | | 08 | Elowitz, M | A | A | P |
| | | | 09 | Dabiri, J | A | A | P |
| | | | 10 | Bjorkman, P | A | A | P |
| | | | 11 | Bronner Hansen, M | A | A | P |
| | | | 12 | Campbell, J | A | A | P |
| | | | 13 | Chan, D | A | A | P |
| | | | 14 | Davidson, E | A | A | P |
| | | | 15 | Deshaies, R | A | A | P |
| | | | 16 | Dickinson, M | A | A | P |
| | | | 17 | O'Doherty, J | A | A | P |
| | | | 18 | Dunphy, W | A | A | P |
| | | | 19 | Fraser, S | A | A | P |
| | | | 20 | Goddard, W | A | A | P |
| | | | 21 | Hay, B | A | A | P |
| | | | 22 | Kennedy, M | A | A | P |
| | | | 23 | Qian, L | A | A | P |
| | | | 24 | Pierce, N | A | A | P |
| | | | 25 | Burdick, J | A | A | P |
| | | | 26 | Tsao, D | A | A | P |
| | | | 27 | Orphan, V | A | A | P |
| | | | 28 | Mayo, S | A | A | P |
| | | | 29 | Meyerowitz, E | A | A | P |
| | | | 30 | Newman, D | A | A | P |
| | | | 31 | Guo, C | A | A | P |
| | | | 32 | Lois, C | A | A | P |
| | | | 33 | Heath, J | A | A | P |
| | | | 34 | Prober, D | A | A | P |
| | | | 35 | Varshavsky, A | A | A | P |
| | | | 36 | Kirschvink, J | A | A | P |
| | | | 37 | Rothenberg, E | A | A | P |
| | | | 38 | Shapiro, M | A | A | P |
| | | | 39 | Shimojo, S | A | A | P |

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|-----------------|-------|-------------------|---------|-----------------|-----------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 299 | + | Graduate Research | 40 | Lester, H | A | A | P |
| | | | 41 | Sternberg, P | A | A | P |
| | | | 42 | Dougherty, D | A | A | P |
| | | | 43 | Shan, S | A | A | P |
| | | | 44 | Winfree, E | A | A | P |
| | | | 45 | Wold, B | A | A | P |
| | | | 46 | Zinn, K | A | A | P |
| | | | 47 | Burdick, J | A | A | P |
| | | | 48 | Jensen, G | A | A | P |
| | | | 49 | Leadbetter, J | A | A | P |
| | | | 50 | Elowitz, M | A | A | P |
| | | | 51 | Adolphs, R | A | A | P |
| | | | 52 | Cai, L | A | A | P |
| | | | 53 | Siapas, A | A | A | P |
| | | | 54 | Gharib, M | A | A | P |
| | | | 55 | Hsieh-Wilson, L | A | A | P |
| | | | 56 | Aravin, A | A | A | P |
| | | | 57 | Fejes Toth, K | A | A | P |
| | | | 58 | Tai, Y | A | A | P |
| | | | 59 | Murray, R | A | A | P |
| | | | 60 | Meister, M | A | A | P |
| | | | 61 | Arnold, F | A | A | P |
| | | | 62 | Gradinaru, V | A | A | P |
| | | | 63 | Scherer, A | A | A | P |
| | | | 64 | Guttman, M | A | A | P |
| | | | 65 | Goentoro, L | A | A | P |
| | | | 66 | Guttman, M | A | A | P |
| | | | 67 | Oka, Y | A | A | P |
| | | | 68 | Hsiao, E | A | A | P |
| | | | 69 | Ismagilov, R | A | A | P |
| | | | 70 | Hong, E | A | A | P |
| | | | 71 | Phillips, R | A | A | P |
| | | | 72 | Roukes, M | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------|--|----------------------------------|---|----------------------------|----------------------------|----------------------------|
| BIOLOGY | | | | | | | |
| Bi 299 | + | Graduate Research | 73 | Doyle, J | A | A | P |
| BUSINESS, ECONOMICS, AND MANAGEMENT | | | | | | | |
| BEM097 | + | Undergraduate Research | 01 | Staff | A | A | P |
| BEM107 | 3-0-6 | Applied Corporate Finance and Investment Banking <i>Maximum Enrollment: 40 Students // course cannot be used to fulfill the Adv SS Institute requirement</i> | 01 | Cornell, B | R 18:00 - 20:55 | 25 BAX | P |
| BEM109 | 3-0-6 | Fixed-Income and Credit-Risk Derivatives | 01 | Cvitanic, J | MW 14:30 - 15:55 | 128 BAX | |
| BEM111 | 3-0-6 | Quantitative Risk Management | 01 | Winston, K | W 18:30 - 21:25 | 125 BAX | |
| BEM114 | 3-0-6 | Behavioral Finance | 01 | Jin, J | TR 10:30 - 11:55 | 25 BAX | |
| BEM/Ec 150 | 3-0-6 | Business Analytics <i>Maximum Enrollment: 50 students</i> | 01 | Camerer, C | MW 19:00 - 20:25 | 25 BAX | |
| BEM190 | + | Undergraduate Research Project | 01 02 03 04 05 06 | Rosenthal, J Pickar, K Bossaerts, P Cvitanic, J Lin, A Gillen, B | A A A A A A | A A A A A A | P P P P P P |
| CHEMICAL ENGINEERING | | | | | | | |
| Ch/ChE 009 | 1-6-2 | Chemical Synthesis and Characterization for Chemical Engineering <i>Open to ChE students only during online registration. // Each student must select 2 section times- Sec 1: T 8-11am / Sec 2: T 1-4pm / Sec</i> | 01 | Mendez, J | M 10:00 - 10:55 A | 147 NYS 105 MEAD | |

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|-----------------------------|--------------|-------------------------------------|---------|--------------|------------------|----------|--------------|
| CHEMICAL ENGINEERING | | | | | | | |
| ChE063B | 3-0-6 | Chemical Engineering Thermodynamics | 01 | Ismagilov, R | TR 13:00 - 14:25 | 106 SPL | G |
| ChE080 | + | Undergraduate Research | 01 | Arnold, F | A | A | P |
| | | | 02 | Ravi, V | A | A | P |
| | | | 03 | Davis, M | A | A | P |
| | | | 04 | Giapis, K | A | A | P |
| | | | 05 | Lewis, N | A | A | P |
| | | | 06 | Haile, S | A | A | P |
| | | | 07 | Shapiro, M | A | A | P |
| | | | 08 | Brady, J | A | A | P |
| | | | 09 | Atwater, H | A | A | P |
| | | | 13 | Flagan, R | A | A | P |
| | | | 14 | Gavalas, G | A | A | P |
| | | | 20 | Kornfield, J | A | A | P |
| | | | 34 | Seinfeld, J | A | A | P |
| 36 | Tirrell, D | A | A | P | | | |
| 37 | Ismagilov, R | A | A | P | | | |
| ChE090B | 0-4-5 | Senior Thesis | 01 | Dickinson, M | A | A | G |
| | | | 02 | Giapis, K | A | A | G |
| | | | 03 | Seinfeld, J | A | A | G |
| | | | 04 | Tirrell, D | A | A | G |
| | | | 05 | Ravi, V | A | A | G |
| | | | 06 | Flagan, R | A | A | G |
| | | | 07 | Gavalas, G | A | A | G |
| | | | 08 | Davis, M | A | A | G |
| | | | 09 | Haile, S | A | A | G |
| | | | 10 | Arnold, F | A | A | G |
| | | | 11 | Brady, J | A | A | G |
| | | | 12 | Kornfield, J | A | A | G |
| | | | 13 | Greer, J | A | A | G |
| | | | 14 | Lewis, N | A | A | G |
| | | | 15 | Grubbs, R | A | A | G |

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|-----------------------------|-------|---|---------|-----------------------|--------------------|-----------|--------------|
| CHEMICAL ENGINEERING | | | | | | | |
| ChE090B | 0-4-5 | Senior Thesis | 16 | Mayo, S | A | A | G |
| | | | 17 | Fu, G | A | A | G |
| | | | 18 | Wang, Z | A | A | G |
| | | | 19 | Cai, L | A | A | G |
| | | | 20 | Atwater, H | A | A | G |
| ChE103C | 3-0-6 | Transport Phenomena | 01 | Davis, M | MWF 10:00 - 10:55 | 102 SPL | |
| ChE105 | 3-0-6 | Dynamics and Control of Chemical Systems | 01 | Seinfeld, J | MWF 14:00 - 14:55 | 106 SPL | |
| ChE/Ch/E 107 | 3-0-6 | Social Media for Scientists <i>maximum enrollment: 25 students</i> | 01 | Davis, M | MWF 15:00 - 15:55 | 106 SPL | |
| ChE120 | 1-6-2 | Optimal Design of Chemical Systems | 01 | Vicic, M | OM,M 15:00 - 15:55 | 122 SPL | |
| ChE130 | 1-5-3 | Biomolecular Engineering Laboratory <i>Maximum enrollment: 14 students per section</i> | 01 | Tirrell, D / Vicic, M | W 15:00 - 15:55 | 102 SPL | |
| | | | | | MF 13:00 - 15:55 | 16/17 BRN | |
| | | | 02 | Tirrell, D / Vicic, M | W 15:00 - 15:55 | 102 SPL | |
| | | | | TR 13:00 - 15:55 | 16/17 BRN | | |
| ChE151B | 3-0-9 | Physical and Chemical Rate Processes | 01 | Brady, J | MWF 09:00 - 09:55 | 102 SPL | G |
| ChE280 | + | Chemical Engineering Research | 01 | Arnold, F | A | A | P |
| | | | 02 | Murray, R | A | A | P |
| | | | 03 | Atwater, H | A | A | P |
| | | | 04 | Haile, S | A | A | P |
| | | | 05 | Pierce, N | A | A | P |
| | | | 06 | Trojan, S | A | A | P |
| | | | 07 | Brady, J | A | A | P |
| | | | 08 | Stoltz, B | A | A | P |
| | | | 09 | Ismagilov, R | A | A | P |
| | | | 10 | Davis, M | A | A | P |
| | | | 11 | Greer, J | A | A | P |
| | | | 12 | Dougherty, D | A | A | P |

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|-----------------------------|-------------|---|---------|--------------|------------------------------------|---------------------|--------------|
| CHEMICAL ENGINEERING | | | | | | | |
| ChE280 | + | Chemical Engineering Research | 13 | Flagan, R | A | A | P |
| | | | 14 | Fraser, S | A | A | P |
| | | | 15 | Fultz, B | A | A | P |
| | | | 16 | Giapis, K | A | A | P |
| | | | 17 | Goddard, W | A | A | P |
| | | | 18 | Fultz, B | A | A | P |
| | | | 19 | Snyder, G | A | A | P |
| | | | 20 | Guttman, M | A | A | P |
| | | | 21 | Kornfield, J | A | A | P |
| | | | 22 | Miller, T | A | A | P |
| | | | 23 | Lewis, N | A | A | P |
| | | | 24 | Shapiro, M | A | A | P |
| | | | 29 | Parker, C | A | A | P |
| | | | 36 | Tirrell, D | A | A | P |
| | | | 37 | Wang, Z | A | A | P |
| 40 | Seinfeld, J | A | A | P | | | |
| 41 | Yung, Y | A | A | P | | | |
| 42 | Heath, J | A | A | P | | | |
| CHEMISTRY | | | | | | | |
| Ch 003A | 1-3-2 | Fundamental Techniques of Experimental Chemistry <i>Maximum enrollment: 20 students per section // section 3 reserved for freshmen</i> | 01 | Mendez, J | F 13:00 - 13:55 T 08:00 - 10:55 | 153 NYS 107 MEAD | P |
| | | | 02 | Mendez, J | F 13:00 - 13:55 T 13:00 - 15:55 | 153 NYS 107 MEAD | P |
| | | | 03 | Mendez, J | F 13:00 - 13:55 | 153 NYS | P |
| | | | | | T 19:30 - 22:25 | 107 MEAD | |
| Ch 003X | 1-3-2 | Experimental Methods in Solar Energy Conversion <i>Limit 20 students per section</i> | 01 | Mendez, J | F 09:00 - 09:55 W 13:00 - 15:55 | 147 NYS 107 MEAD | P |
| | | | 02 | Mendez, J | F 09:00 - 09:55 | 147 NYS | P |
| | | | | | R 08:00 - 10:55 | 107 MEAD | |
| Ch 004B | 1-6-2 | Synthesis and Analysis of Organic and Inorganic Compounds <i>Each student must select 2 section times - Sec</i> | 01 | Mendez, J | F 10:00 - 10:55 A | 147 NYS 105 MEAD | |

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|------------------|-------|---|---------|----------------------|---------------------------------------|---------------------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 006B | 1-6-3 | Physical and Biophysical Chemistry Laboratory <i>Students are expected to attend one lab a week, either Tuesdays from 1-5pm or Wednesdays from 1-5pm</i> €™ | 01 | Weitekamp, D | OM,W 15:00 - 15:55 F 15:00 - 15:55 | 33 NYS 151 CRL | |
| Ch 007 | 1-6-2 | Advanced Experimental Methods in Bioorganic Chemistry | 01 | Hsieh-Wilson, L | M 15:00 - 15:55 | 356 CRL | |
| Ch/ChE 009 | 1-6-2 | Chemical Synthesis and Characterization for Chemical Engineering <i>Open to ChE students only during online registration. // Each student must select 2 section times- Sec 1: T 8-11am / Sec 2: T 1-4pm / Sec 3: R 8-11am/ a T 1-4pm and R 1-4pm section may be available upon sufficient demand // Instructor will contact students via email to select 2 sections.</i> | 01 | Mendez, J | M 10:00 - 10:55 A | 147 NYS 105 MEAD | |
| Ch 010C | 1-6-1 | Frontiers in Chemistry <i>Must have instructor's permission prior to registering for course.</i> | 01 | Dervan, P / Hoelz, A | R 12:00 - 12:55 | 115 BCK | P |
| Ch 021C | 3-0-6 | Physical Chemistry | 01 | Beauchamp, J | MWF 13:00 - 13:55 | 147 NYS | G |
| Ch 025 | 3-0-6 | Introduction to Biophysical Chemistry: Thermodynamics | 01 | Rees, D | TR 13:00 - 14:25 | 147 NYS | G |
| Ch 041C | 3-0-6 | Organic Chemistry | 01 | Fu, G | MWF 09:00 - 09:55 | 153 NYS | |
| Ch 080 | + | Chemical Research | 01 | Arnold, F | A | A | P |
| | | | 02 | Dervan, P | A | A | P |
| | | | 03 | Hsieh-Wilson, L | A | A | P |
| | | | 04 | Beauchamp, J | A | A | P |
| | | | 05 | Marcus, R | A | A | P |
| | | | 06 | Clemons, W | A | A | P |
| | | | 07 | Reisman, S | A | A | P |
| | | | 08 | Campbell, J | A | A | P |

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|------------------|------------|----------------------------------|---------|--------------|-----------|----------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 080 | + | Chemical Research | 09 | Shan, S | A | A | P |
| | | | 10 | Rees, D | A | A | P |
| | | | 11 | Heath, J | A | A | P |
| | | | 12 | Agapie, T | A | A | P |
| | | | 13 | Davis, M | A | A | P |
| | | | 14 | Asimow, P | A | A | P |
| | | | 15 | Dougherty, D | A | A | P |
| | | | 16 | Goddard, W | A | A | P |
| | | | 17 | Gray, H | A | A | P |
| | | | 18 | Shapiro, M | A | A | P |
| | | | 19 | Shapiro, M | A | A | P |
| | | | 20 | Kornfield, J | A | A | P |
| | | | 21 | Yue, Y | A | A | P |
| | | | 22 | Fu, G | A | A | P |
| | | | 23 | Rossman, G | A | A | P |
| | | | 27 | Okumura, M | A | A | P |
| | | | 29 | Peters, J | A | A | P |
| | | | 35 | Stoltz, B | A | A | P |
| | | | 36 | Tirrell, D | A | A | P |
| | | | 37 | Grubbs, R | A | A | P |
| | | | 38 | Lewis, N | A | A | P |
| | | | 39 | Barton, J | A | A | P |
| 40 | Hoelz, A | A | A | P | | | |
| 41 | Eiler, J | A | A | P | | | |
| 42 | Rossman, G | A | A | P | | | |
| Ch 081 | + | Independent Reading in Chemistry | 01 | Stoltz, B | A | A | P |
| | | | 02 | Lewis, N | A | A | P |
| | | | 03 | Chandy, K | A | A | P |
| | | | 04 | Peters, J | A | A | P |
| | | | 05 | Adolphs, R | A | A | P |
| | | | 06 | Agapie, T | A | A | P |
| | | | 17 | Gray, H | A | A | P |

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|------------------|-------|---|---------|---------------------------|-------------------------------------|--------------------------------------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 082 | + | Senior Thesis Research <i>9 units per term</i> | 01 | Rees, D | A | A | P |
| Ch 102 | 3-0-6 | Introduction to Inorganic Chemistry | 01 | Agapie, T | TR 13:00 - 14:25 | 153 NYS | |
| ChE/Ch/E 107 | 3-0-6 | Social Media for Scientists <i>maximum enrollment: 25 students</i> | 01 | Davis, M | MWF 15:00 - 15:55 | 106 SPL | |
| Bi/Ch 113 | 4-0-8 | Biochemistry of the Cell | 01 | Chan, D / Hoelz, A | TR 11:00 - 11:55 W 14:00 - 15:55 | 100 - Rock Auditorium BRD 200 BRD | |
| | | | 02 | Chan, D / Hoelz, A | TR 11:00 - 11:55 R 19:00 - 20:55 | 100 - Rock Auditorium BRD 101 KRK | |
| Ch 126 | 3-0-6 | Molecular Spectra and Molecular Structure | 01 | Blake, G | MW 14:30 - 15:55 | 136 L+R | |
| Ch 143 | 3-0-6 | NMR Spectroscopy for Structural Identification | 01 | Virgil, S | MWF 11:00 - 11:55 | 151 CRL | |
| Ch 166 | 3-0-6 | Nonequilibrium Statistical Mechanics | 01 | Marcus, R | TR 09:00 - 10:25 | 151 CRL | |
| ESE/Ge/Ch 171 | 3-0-6 | Atmospheric Chemistry I | 01 | Seinfeld, J / Wennberg, P | TR 13:00 - 14:25 | 102 SPL | |
| BMB/Bi/Ch 174 | 3-0-6 | Molecular Machines in the Cell | 01 | Shan, S / Hoelz, A | TR 10:30 - 11:55 | 120 BRN | G |
| ESE/Ch 176 | 3-0-6 | Physical Organic Chemistry of Natural Waters | 01 | Hoffmann, M | MWF 10:00 - 10:55 | 135 L+R | |
| Ch 180 | + | Chemical Research | 01 | Gray, H | A | A | P |
| | | | 02 | Agapie, T | A | A | P |
| | | | 16 | Goddard, W | A | A | P |
| Ch 182 | + | Senior Thesis Research <i>9 units per term</i> | 01 | Rees, D | A | A | P |

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| CHEMISTRY | | | | | | | |
| BMB/Ch 202C | 1-0-0 | Biochemistry Seminar Course <i>Students will meet with the BMB seminar speaker in a discussion section for an hour and then attend the seminar at 4pm. BMB seminars are offered 1-2 times a month on any given Thursday.</i> | 01 | Clemons, W | R 12:00 - 12:55 | 370 BRN | P |
| Ch 212 | 3-0-6 | Bioinorganic Chemistry | 01 | Gray, H / Winkler, J | F 09:00 - 11:55 | 115 BCK | G |
| Ch 213C | 1-0-11 | Advanced Ligand Field Theory | 01 | Gray, H | F 13:00 - 13:55 | 408 BCK | G |
| Ch 227A | 3-0-6 | Advanced Topics in Chemical Physics | 01 | Heath, J | TR 16:00 - 17:25 | 16 NYS | |
| Ch 228 | 3-0-6 | Dynamics and Complexity in Physical and Life Sciences <i>class cancelled</i> | 01 | Staff | A | A | G |
| BMB/Ch 230 | 2-4-6 | Macromolecular Structure Determination with Modern X-ray Crystallography Methods | 01 | Hoelz, A | W 14:00 - 15:55 | 101 SCH | |
| Ch/Bi 231 | 2-0-4 | Advanced Topics in Biochemistry | 01 | Campbell, J / Parker, C | OM,M 14:00 - 14:55 | 152 BRN | |
| Ch 250 | 3-0-0 | Advanced Topics in Chemistry <i>Typically there will be one seminar per week by industry researchers on Wednesday at 4pm and sometimes on Tuesday: 4/5, 4/12, 4/26, 2pm on 5/3. The complete schedule will be available on the first day of class.</i> | 01 | Fu, G / Grubbs, R / Stoltz, B | W 15:30 - 16:55 | 153 NYS | P |
| Ch 280 | + | Chemical Research | 01 | Arnold, F | A | A | P |
| | | | 02 | Agapie, T | A | A | P |
| | | | 03 | Barton, J | A | A | P |
| | | | 04 | Beauchamp, J | A | A | P |
| | | | 05 | Bercaw, J | A | A | P |
| | | | 06 | Blake, G | A | A | P |

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| CHEMISTRY | | | | | | | |
| Ch 280 | + | Chemical Research | 07 | Shan, S | A | A | P |
| | | | 08 | Bjorkman, P | A | A | P |
| | | | 09 | Cai, L | A | A | P |
| | | | 10 | Davis, M | A | A | P |
| | | | 11 | Dervan, P | A | A | P |
| | | | 12 | Dougherty, D | A | A | P |
| | | | 13 | Eiler, J | A | A | P |
| | | | 14 | Miller, T | A | A | P |
| | | | 15 | Giapis, K | A | A | P |
| | | | 16 | Goddard, W | A | A | P |
| | | | 17 | Gray, H | A | A | P |
| | | | 18 | Grubbs, R | A | A | P |
| | | | 19 | Hsieh-Wilson, L | A | A | P |
| | | | 20 | Kornfield, J | A | A | P |
| | | | 21 | Reisman, S | A | A | P |
| | | | 22 | Lewis, N | A | A | P |
| | | | 23 | Wang, Z | A | A | P |
| | | | 24 | Marcus, R | A | A | P |
| | | | 25 | Mayo, S | A | A | P |
| | | | 26 | Goentoro, L | A | A | P |
| | | | 27 | Okumura, M | A | A | P |
| | | | 28 | Clemons, W | A | A | P |
| | | | 29 | Peters, J | A | A | P |
| | | | 30 | Rees, D | A | A | P |
| | | | 31 | Ismagilov, R | A | A | P |
| | | | 32 | Hoelz, A | A | A | P |
| | | | 33 | Haile, S | A | A | P |
| | | | 34 | Seinfeld, J | A | A | P |
| | | | 35 | Stoltz, B | A | A | P |
| | | | 36 | Tirrell, D | A | A | P |
| | | | 37 | Fu, G | A | A | P |
| | | | 38 | Weitekamp, D | A | A | P |
| | | | 39 | Zewail, A | A | A | P |

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| CHEMISTRY | | | | | | | |
| Ch 280 | + | Chemical Research | 40 | Fraser, S | A | A | P |
| | | | 41 | Atwater, H | A | A | P |
| | | | 42 | Pierce, N | A | A | P |
| | | | 43 | Hoffmann, M | A | A | P |
| | | | 44 | Heath, J | A | A | P |
| | | | 45 | Sternberg, P | A | A | P |
| | | | 46 | Adkins, J | A | A | P |
| | | | 47 | Lester, H | A | A | P |
| | | | 48 | Wennberg, P | A | A | P |
| | | | 49 | Campbell, J | A | A | P |
| | | | 50 | Hoffmann, M | A | A | P |
| | | | 51 | Smolke, C | A | A | P |
| | | | 52 | Tirrell, D | A | A | P |
| | | | 53 | Deshaies, R | A | A | P |
| | | | 54 | Shapiro, M | A | A | P |
| 55 | Jensen, G | A | A | P | | | |
| CIVIL ENGINEERING | | | | | | | |
| Ae/APh/CE/ME 101C | 3-0-6 | Fluid Mechanics | 01 | Austin, J | MWF 10:00 - 10:55 | 101 GUG | G |
| Ae/AM/CE/ME 102C | 3-0-6 | Mechanics of Structures and Solids | 01 | Bhattacharya, K / Ortiz, M | TR 09:00 - 10:25 | 135 GTS/TOM | G |
| AM/CE/ME 150C | 1-0-0 | Graduate Engineering Seminar | 01 | Lapusta, N | R 11:00 - 11:55 | 135 GTS/TOM | P |
| ME/CE/Ge 174 | 3-0-6 | Mechanics of Rocks | 01 | Lapusta, N | TR 14:30 - 15:55 | 115 GTS/TOM | |
| CE 181B | 3-0-6 | Engineering Seismology | 01 | Heaton, T | MWF 10:00 - 10:55 | 115 GTS/TOM | |
| CE 200 | + | Advanced Work in Civil Engineering | 01 | Heaton, T | A | A | P |

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| CIVIL ENGINEERING | | | | | | | |
| 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 |
| | | | 06 | Asimaki, D | A | A | P |
| COMPUTATION & NEURAL SYS | | | | | | | |
| CNS/SS/Psy/Bi 102B | 3-0-6 | Brains, Minds, and Society | 01 | Camerer, C / O'Doherty, J | MW 14:30 - 15:55 | 125 BAX | |
| CNS/SS/Psy 110A | 1.5-0-3.5 | Cognitive Neuroscience Tools <i>Undergraduates need instructor's permission to enroll // course cannot be used to fulfill the Adv SS Institute requirement</i> | 01 | Rangel, A | F 12:00 - 13:55 | 33 BAX | P |
| Bi/CNS 158 | 3-0-6 | Vertebrate Evolution <i>Students must have taken Bi 1, Bi 1x, Bi 8, or Bi 9 as a prerequisite.</i> | 01 | Allman, J | F 14:00 - 15:55 | 200 BRD | G |
| CS/CNS/EE 159 | 3-0-6 | Advanced Topics in Machine Learning | 01 | Yue, Y | TR 14:30 - 15:55 | 102 STL | |
| Bi/CNS/NB 162 | 2-7-3 | Cellular and Systems Neuroscience Laboratory <i>Maximum enrollment: 18 students</i> | 01 | Steele, A / Bremner, L | W 13:00 - 16:55 | 56 CHR | P |
| CS/CNS 174 | 3-6-3 | Computer Graphics Projects | 01 | Barr, A | MWF 13:00 - 13:55 | 107 ANB | |
| CNS180 | + | Research in Computation and Neural Systems | 01 | Fraser, S | A | A | P |
| | | | 02 | Anderson, D | A | A | P |
| | | | 03 | Pierce, N | A | A | P |
| | | | 04 | Andersen, R | A | A | P |
| | | | 05 | Burdick, J | A | A | P |
| | | | 06 | O'Doherty, J | A | A | P |
| | | | 07 | Tsao, D | A | A | P |
| | | | 08 | Lester, H | A | A | P |
| | | | 09 | Dickinson, M | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme | | | |
|-------------------------------------|-------|--|-------------------|----------------|---|----------|--------------|------------------|---------|--|
| COMPUTATION & NEURAL SYS | | | | | | | | | | |
| CNS180 | + | Research in Computation and Neural Systems | 10 | Elowitz, M | A | A | P | | | |
| | | | 11 | Rutishauser, U | A | A | P | | | |
| | | | 12 | Murray, R | A | A | P | | | |
| | | | 13 | Patterson, P | A | A | P | | | |
| | | | 14 | Quartz, S | A | A | P | | | |
| | | | 15 | Perona, P | A | A | P | | | |
| | | | 16 | Allman, J | A | A | P | | | |
| | | | 17 | Murray, R | A | A | P | | | |
| | | | 18 | Shimojo, S | A | A | P | | | |
| | | | 19 | Siapas, A | A | A | P | | | |
| | | | 20 | Shapiro, M | A | A | P | | | |
| | | | 21 | Winfree, E | A | A | P | | | |
| | | | 22 | Wold, B | A | A | P | | | |
| | | | 23 | Kennedy, M | A | A | P | | | |
| | | | 24 | Adolphs, R | A | A | P | | | |
| | | | 25 | Camerer, C | A | A | P | | | |
| | | | 26 | Rangel, A | A | A | P | | | |
| | | | 27 | Bossaerts, P | A | A | P | | | |
| | | | 28 | Gradinaru, V | A | A | P | | | |
| | | | 29 | Prober, D | A | A | P | | | |
| | | | 30 | Yue, Y | A | A | P | | | |
| | | | 31 | Meister, M | A | A | P | | | |
| | | | Bi/CNS/NB 185 | 2-0-4 | Large Scale Brain Networks <i>class cancelled</i> | 01 | Staff | A | A | |
| | | | BE/CS/CNS/Bi 191B | 2-4-3 | Biomolecular Computation | 01 | Winfree, E | R 19:30 - 21:55 | 106 ANB | |
| | | | Bi/CNS/BE/NB 230 | 3-2-4 | Optogenetic and CLARITY Methods in Experimental Neuroscience <i>Maximum enrollment: 12 students</i> | 01 | Gradinaru, V | WR 10:00 - 11:55 | 152 BRN | |
| | | | Bi/CNS/NB 250C | 3-0-6 | Topics in Systems Neuroscience | 01 | Siapas, A | F 14:00 - 16:55 | 101 KRK | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------------------------|-------|--|---------|----------------|------------------|----------|--------------|
| COMPUTATION & NEURAL SYS | | | | | | | |
| CNS/Bi/NB 256 | 2-0-4 | Decision Making | 01 | Andersen, R | TR 13:00 - 13:55 | 333 BBB | |
| CNS280 | + | Research in Computation and Neural Systems | 01 | Abu-Mostafa, Y | A | A | P |
| | | | 02 | Elowitz, M | A | A | P |
| | | | 03 | Burdick, J | A | A | P |
| | | | 04 | Andersen, R | A | A | P |
| | | | 05 | Bruck, J | A | A | P |
| | | | 06 | Hoffmann, M | A | A | P |
| | | | 07 | Tsao, D | A | A | P |
| | | | 08 | Murray, R | A | A | P |
| | | | 09 | Meister, M | A | A | P |
| | | | 10 | Konishi, M | A | A | P |
| | | | 11 | Camerer, C | A | A | P |
| | | | 12 | Perona, P | A | A | P |
| | | | 13 | Adolphs, R | A | A | P |
| | | | 14 | Scherer, A | A | A | P |
| | | | 15 | Shimojo, S | A | A | P |
| | | | 16 | Siapas, A | A | A | P |
| | | | 17 | Sternberg, P | A | A | P |
| | | | 18 | Wold, B | A | A | P |
| | | | 19 | Winfree, E | A | A | P |
| | | | 20 | Lester, H | A | A | P |
| | | | 21 | Dickinson, M | A | A | P |
| | | | 22 | Quartz, S | A | A | P |
| | | | 23 | O'Doherty, J | A | A | P |
| | | | 24 | Allman, J | A | A | P |
| | | | 25 | Oka, Y | A | A | P |
| | | | 26 | Rangel, A | A | A | P |
| CNS/Bi 286C | + | Special Topics in Computation and Neural Systems | 01 | Meister, M | TR 09:00 - 10:25 | B180 BBB | |

COMPUTER SCIENCE

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------------|--------|---|---------|--------------------------|--------------------|----------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS 003 | 2-4-3 | Introduction to Software Engineering | 01 | Billock, J | WF 14:00 - 14:55 | 213 ANB | P |
| Ma/CS 006C | 3-0-6 | Introduction to Discrete Mathematics | 01 | Lupini, M | TR 13:00 - 14:25 | 142 KCK | |
| 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 |
| CS 024 | 3-3-3 | Introduction to Computing Systems | 01 | Pinkston, D | MWF 11:00 - 11:55 | 105 ANB | |
| CS 038 | 3-0-6 | Introduction to Algorithms | 01 | Schulman, L | TR 10:30 - 11:55 | 105 ANB | |
| EE/CS 052B | 1-5-0 | Microprocessor Systems Laboratory | 01 | George, G | A | A | |
| EE/CS 053 | 0-12-0 | Microprocessor Project Laboratory | 01 | George, G | OM,W 16:30 - 17:25 | 070 MRE | |
| CS/EE/ME 075C | + | Introduction to Multidisciplinary Systems Engineering | 01 | Blanquart, G / Murray, R | A | A | |
| CS 080C | + | Undergraduate Thesis | 01 | Schroeder, P | A | A | P |
| | | | 02 | Chandy, K | A | A | P |
| | | | 03 | Winfrey, E | A | A | P |
| | | | 04 | Barr, A | A | A | P |
| | | | 05 | Ho, T | A | A | P |
| | | | 06 | Perona, P | A | A | P |
| | | | 07 | Yue, Y | A | A | P |
| | | | 08 | Bruck, J | A | A | P |
| | | | 09 | Desbrun, M | A | A | P |
| | | | 10 | Schulman, L | A | A | P |
| | | | 11 | Umans, C | A | A | P |
| CS 081C | + | Undergraduate Projects in Computer Science | 01 | Ho, T | A | A | P |
| | | | 02 | Barr, A | A | A | P |
| | | | 03 | Chandy, K | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme | | | |
|-------------------------|--------------|--|---------|----------------|---|----------|--------------|---|---|---|
| COMPUTER SCIENCE | | | | | | | | | | |
| CS 081C | + | Undergraduate Projects in Computer Science | 04 | Desbrun, M | A | A | P | | | |
| | | | 05 | Perona, P | A | A | P | | | |
| | | | 06 | Low, S | A | A | P | | | |
| | | | 07 | Vanier, M | A | A | P | | | |
| | | | 08 | Murray, R | A | A | P | | | |
| | | | 09 | Winfree, E | A | A | P | | | |
| | | | 10 | Wierman, A | A | A | P | | | |
| | | | 11 | Umans, C | A | A | P | | | |
| | | | 12 | Adolphs, R | A | A | P | | | |
| | | | 13 | Pinkston, D | A | A | P | | | |
| | | | 14 | Burdick, J | A | A | P | | | |
| | | | 15 | Plott, C | A | A | P | | | |
| | | | 16 | Mahabal, A | A | A | P | | | |
| | | | 17 | Yue, Y | A | A | P | | | |
| | | | 18 | George, G | A | A | P | | | |
| | | | 19 | Abu-Mostafa, Y | A | A | P | | | |
| | | | 20 | Schroeder, P | A | A | P | | | |
| | | | 21 | Djorgovski, S | A | A | P | | | |
| | | | 22 | Stalzer, M | A | A | P | | | |
| | | | 23 | Vidick, T | A | A | P | | | |
| | | | 24 | Hajimiri, S | A | A | P | | | |
| | | | CS 090 | + | Undergraduate Reading in Computer Science | 01 | Winfree, E | A | A | P |
| | | | | | | 02 | Barr, A | A | A | P |
| | | | | | | 03 | Low, S | A | A | P |
| 04 | Umans, C | A | | | | A | P | | | |
| 05 | Bruck, J | A | | | | A | P | | | |
| 06 | Pinkston, D | A | | | | A | P | | | |
| 07 | Desbrun, M | A | | | | A | P | | | |
| 08 | Arnold, F | A | | | | A | P | | | |
| 09 | Schulman, L | A | | | | A | P | | | |
| 10 | Perona, P | A | | | | A | P | | | |
| 11 | Schroeder, P | A | | | | A | P | | | |
| 12 | Wierman, A | A | | | | A | P | | | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------------|-------|--|---------|----------------------|-------------------|----------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS 090 | + | Undergraduate Reading in Computer Science | 13 | Yue, Y | A | A | P |
| | | | 14 | Abu-Mostafa, Y | A | A | P |
| | | | 15 | Vidick, T | A | A | P |
| CS 101C | + | Special Topics in Computer Science: Introduction to Theoretical Cryptography | 01 | Vidick, T | MW 10:30 - 11:55 | 213 ANB | |
| CS 102C | + | Seminar in Computer Science | 01 | Staff | A | A | |
| CS 103C | + | Reading in Computer Science | 01 | Staff | A | A | P |
| CS 115 | 3-4-2 | Functional Programming | 01 | Vanier, M | MWF 14:00 - 14:55 | 105 ANB | G |
| CS 138 | 3-0-6 | Computer Algorithms | 01 | Schulman, L | TR 10:30 - 11:55 | 105 ANB | |
| CS/EE 145 | 0-0-9 | Projects in Networking | 01 | Lahouti, F | TR 09:00 - 10:25 | 105 ANB | |
| CS/EE 146 | 3-3-3 | Advanced Networking <i>Focus this year: Platforms and Internet Marketplaces</i> | 01 | Wierman, A / Fu, H | MWF 13:00 - 13:55 | 213 ANB | |
| CS 153 | 3-0-6 | Current Topics in Theoretical Computer Science | 01 | Umans, C | TR 13:00 - 14:25 | 314 ANB | |
| CS/CNS/EE 159 | 3-0-6 | Advanced Topics in Machine Learning | 01 | Yue, Y | TR 14:30 - 15:55 | 102 STL | |
| CS/CNS 174 | 3-6-3 | Computer Graphics Projects | 01 | Barr, A | MWF 13:00 - 13:55 | 107 ANB | |
| CS 179 | 3-3-3 | GPU Programming <i>class will be held in 070 Moore on 4/22/16</i> | 01 | Desbrun, M / Barr, A | MWF 15:00 - 15:55 | 105 ANB | |
| CS 180 | + | Master's Thesis Research | 01 | Abu-Mostafa, Y | A | A | P |
| | | | 02 | Desbrun, M | A | A | P |
| | | | 03 | Chandy, K | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------------|-------|---|---------|----------------|------------------|----------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS 180 | + | Master's Thesis Research | 04 | Wierman, A | A | A | P |
| | | | 05 | Perona, P | A | A | P |
| | | | 07 | Low, S | A | A | P |
| | | | 08 | Martin, A | A | A | P |
| | | | 09 | Kitaev, A | A | A | P |
| | | | 11 | Schroeder, P | A | A | P |
| | | | 13 | Winfree, E | A | A | P |
| | | | 14 | Umans, C | A | A | P |
| | | | 15 | Wold, B | A | A | P |
| | | | 16 | Siapas, A | A | A | P |
| BE/CS/CNS/Bi 191B | 2-4-3 | Biomolecular Computation | 01 | Winfree, E | R 19:30 - 21:55 | 106 ANB | |
| BE/CS 196B | 3-6-3 | Design and Construction of Programmable Molecular Systems <i>not offered spring term</i> | 01 | Staff | A | A | |
| Ph/CS 219C | 3-0-6 | Quantum Computation | 01 | Kitaev, A | MW 14:30 - 15:55 | 269 LAU | P |
| CS 280 | + | Research in Computer Science | 01 | Abu-Mostafa, Y | A | A | P |
| | | | 02 | Barr, A | A | A | P |
| | | | 03 | Cvitanic, J | A | A | P |
| | | | 04 | Umans, C | A | A | P |
| | | | 05 | Desbrun, M | A | A | P |
| | | | 06 | Winfree, E | A | A | P |
| | | | 07 | Low, S | A | A | P |
| | | | 08 | Martin, A | A | A | P |
| | | | 09 | Chandy, K | A | A | P |
| | | | 10 | Perona, P | A | A | P |
| | | | 11 | Schroeder, P | A | A | P |
| | | | 12 | Ligett, K | A | A | P |
| | | | 13 | Kitaev, A | A | A | P |
| | | | 14 | Wierman, A | A | A | P |
| | | | 15 | Winfree, E | A | A | P |

CALIFORNIA INSTITUTE OF TECHNOLOGY
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Course Schedule SP 2015-16

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------|---|---------|-------------------|-----------------|----------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS 280 | + | Research in Computer Science | 16 | Doyle, J | A | A | P |
| | | | 17 | Vidick, T | A | A | P |
| | | | 18 | Yue, Y | A | A | P |
| CS 282C | + | Reading In Computer Science | 01 | Staff | A | A | P |
| COMPUTING AND MATHEMATICAL SCIENCES | | | | | | | |
| CMS290C | 1-0-0 | Computing Mathematical Sciences Colloquium | 01 | Perona, P | M 16:00 - 16:55 | 105 ANB | P |
| CMS300 | + | Research in Computing and Mathematical Sciences | 01 | Wierman, A | A | A | P |
| | | | 02 | Vidick, T | A | A | P |
| | | | 03 | Beck, J | A | A | P |
| | | | 04 | Burdick, J | A | A | P |
| | | | 05 | Doyle, J | A | A | P |
| | | | 06 | Murray, R | A | A | P |
| | | | 07 | Owhadi, H | A | A | P |
| | | | 08 | Barr, A | A | A | P |
| | | | 09 | Chandrasekaran, V | A | A | P |
| | | | 10 | Desbrun, M | A | A | P |
| | | | 11 | Low, S | A | A | P |
| | | | 12 | Perona, P | A | A | P |
| | | | 13 | Schroeder, P | A | A | P |
| | | | 14 | Schulman, L | A | A | P |
| | | | 15 | Umans, C | A | A | P |
| | | | 16 | Winfree, E | A | A | P |
| CONTROL & DYNAMICAL SYSTEMS | | | | | | | |
| CDS090C | 0-0-9 | Senior Thesis in Control & Dynamical Systems | 01 | Murray, R | A | A | G |
| CDS190 | + | Independent Work in Control and Dynamical Systems | 01 | Murray, R | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------|--|---------|----------------------|-------------------|----------|--------------|
| CONTROL & DYNAMICAL SYSTEMS | | | | | | | |
| CDS240 | 3-0-6 | Nonlinear Dynamical Systems | 01 | Doyle, J / Murray, R | MWF 14:00 - 14:55 | 107 ANB | |
| CDS270 | 2-0-4 | Advanced Topics in Systems and Control: System Identification and Adaptive Control <i>6 units (2-0-4)</i> | 01 | Lavretsky, E | F 10:00 - 11:55 | 106 ANB | P |
| CDS300C | + | Research in Control and Dynamical Systems | 01 | Burdick, J | A | A | P |
| | | | 02 | Doyle, J | A | A | P |
| | | | 03 | Goentoro, L | A | A | P |
| | | | 04 | Beck, J | A | A | P |
| | | | 05 | Dickinson, M | A | A | P |
| | | | 06 | Murray, R | A | A | P |
| | | | 07 | Owhadi, H | A | A | P |
| | | | 08 | Quartz, S | A | A | P |
| | | | 09 | Elowitz, M | A | A | P |
| | | | 10 | Dabiri, J | A | A | P |
| | | | 11 | Desbrun, M | A | A | P |
| | | | 12 | Ortiz, M | A | A | P |
| | | | 13 | Adolphs, R | A | A | P |
| | | | 14 | Siapas, A | A | A | P |
| ECONOMICS | | | | | | | |
| Ec 097 | + | Undergraduate Research | 01 | Shum, M | A | A | P |
| | | | 02 | Rangel, A | A | A | P |
| Ec 098C | + | Senior Research and Thesis | 01 | Rangel, A | A | A | P |
| | | | 02 | Ledyard, J | A | A | P |
| | | | 03 | Camerer, C | A | A | P |
| Ec/SS 130 | 3-0-6 | Economic History of Europe from the Middle Ages to the Twentieth Century <i>Designated as Writing Intensive Course // Maximum enrollment: 25 students</i> | 01 | Hoffman, P | TR 10:30 - 11:55 | 127 BAX | G |
| BEM/Ec 150 | 3-0-6 | Business Analytics <i>Maximum Enrollment: 50 students</i> | 01 | Camerer, C | MW 19:00 - 20:25 | 25 BAX | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------------------|--------|---|---------|--------------------------|--------------------|------------------|--------------|
| ECONOMICS | | | | | | | |
| Ec/PS 160C | 3-3-3 | Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Completion of Ec/PS 160AB required.//Maximum enrollment: 10 students</i> | 01 | Plott, C | TR 09:00 - 10:25 | 125 BAX | G |
| PS/Ec 172 | 3-0-6 | Game Theory | 01 | Tamuz, O | MW 09:00 - 10:25 | Lecture Hall BAX | |
| Ec 190 | + | Undergraduate Research | 01 | Ensminger, J | A | A | P |
| | | | 02 | Border, K | A | A | P |
| | | | 03 | Kiewiet, D | A | A | P |
| | | | 04 | Adolphs, R | A | A | P |
| ELECTRICAL ENGINEERING | | | | | | | |
| EE 005 | 2-3-1 | Introduction to Embedded Systems | 01 | George, G | MW 15:00 - 15:55 | 070 MRE | P |
| APh/EE 009B | 2-2-2 | Solid-State Electronics for Integrated Circuits | 01 | Scherer, A | TR 15:00 - 15:55 | 104 WAT | G |
| EE 040 | 3-0-6 | Introduction to Semiconductors Devices | 01 | Choo, H | MW 13:00 - 14:25 | 070 MRE | |
| EE/CS 052B | 1-5-0 | Microprocessor Systems Laboratory | 01 | George, G | A | A | |
| EE/CS 053 | 0-12-0 | Microprocessor Project Laboratory | 01 | George, G | OM,W 16:30 - 17:25 | 070 MRE | |
| CS/EE/ME 075C | + | Introduction to Multidisciplinary Systems Engineering | 01 | Blanquart, G / Murray, R | A | A | |
| EE 080C | + | Senior Thesis | 01 | Potter, K | A | A | P |
| | | | 02 | Scherer, A | A | A | P |
| EE 090 | 1-8-0 | Analog Electronics Project Laboratory | 01 | Megdal, B | OM,T 17:00 - 17:55 | 080 MRE | G |
| EE 091A | + | Experimental Projects in Electronic Circuits | 01 | Megdal, B | A | A | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------------------|-------|--|---------|--------------------|-------------------|----------|--------------|
| ELECTRICAL ENGINEERING | | | | | | | |
| EE 099 | + | Advanced Work in Electrical Engineering | 01 | George, G | A | A | P |
| | | | 02 | Perona, P | A | A | P |
| | | | 03 | Scherer, A | A | A | P |
| | | | 04 | Meyerowitz, E | A | A | P |
| | | | 05 | Megdal, B | A | A | P |
| | | | 06 | Murray, R | A | A | P |
| | | | 07 | Low, S | A | A | P |
| | | | 08 | Yang, C | A | A | P |
| | | | 09 | Martin, A | A | A | P |
| | | | 10 | Chandy, K | A | A | P |
| | | | 11 | Tai, Y | A | A | P |
| | | | 12 | Hajimiri, S | A | A | P |
| | | | 13 | Emami, A | A | A | P |
| | | | 14 | Choo, H | A | A | P |
| | | | 15 | Yariv, A | A | A | P |
| | | | 16 | Bruck, J | A | A | P |
| EE 105C | 1-0-0 | Electrical Engineering Seminar | 01 | Hassibi, B | A | A | P |
| EE 113 | 3-3-3 | Feedback and Control Circuits | 01 | George, G | TR 14:30 - 15:55 | 070 MRE | |
| EE/MedE 114B | 4-0-8 | Analog Circuit Design | 01 | Pedroni, V | WF 10:00 - 11:55 | 070 MRE | |
| Ph/APh/EE/BE 118C | 3-0-6 | Physics of Measurement | 01 | Yeh, N | TR 14:30 - 15:55 | 107 DWN | P |
| EE 120 | 3-0-6 | Topics in Information Theory | 01 | Kostina, V | MW 10:30 - 11:55 | 106 ANB | |
| CS/EE 145 | 0-0-9 | Projects in Networking | 01 | Lahouti, F | TR 09:00 - 10:25 | 105 ANB | |
| CS/EE 146 | 3-3-3 | Advanced Networking <i>Focus this year: Platforms and Internet Marketplaces</i> | 01 | Wierman, A / Fu, H | MWF 13:00 - 13:55 | 213 ANB | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------------------|-------|--|---------|-------------------|--|-------------------------------|--------------|
| ELECTRICAL ENGINEERING | | | | | | | |
| EE 291 | + | Advanced Work in Electrical Engineering | 19 | Vahala, K | A | A | P |
| | | | 20 | Gharib, M | A | A | P |
| | | | 21 | Psaltis, D | A | A | P |
| | | | 22 | Haile, S | A | A | P |
| | | | 23 | Quartz, S | A | A | P |
| | | | 24 | Roukes, M | A | A | P |
| | | | 25 | Rutledge, D | A | A | P |
| | | | 26 | Scherer, A | A | A | P |
| | | | 27 | Cvitanić, J | A | A | P |
| | | | 28 | Tai, Y | A | A | P |
| | | | 29 | Vaidyanathan, P | A | A | P |
| | | | 30 | Yariv, A | A | A | P |
| | | | 31 | Hoffmann, M | A | A | P |
| | | | 32 | Yang, C | A | A | P |
| | | | 33 | Chandrasekaran, V | A | A | P |
| | | | 34 | Martin, A | A | A | P |
| | | | 35 | Avouac, J | A | A | P |
| | | | 36 | Bridges, W | A | A | P |
| | | | 37 | Zmuidzinas, J | A | A | P |
| | | | 38 | Emami, A | A | A | P |
| | | | 39 | Painter, O | A | A | P |
| | | | 40 | Faraon, A | A | A | P |
| | | | 41 | Pellegrino, S | A | A | P |
| | | | 42 | Hallinan, G | A | A | P |
| | | | 43 | Lahouti, F | A | A | P |
| | | | 44 | Minnich, A | A | A | P |
| | | | 45 | Kostina, V | A | A | P |
| ENGINEERING | | | | | | | |
| E 010 | 1-0-2 | Technical Seminar Presentations <i>Maximum enrollment: 6 students per section // class is open to seniors only during online registration</i> | 01 | Fender, A | OM,T 19:30 - 20:25 | 142 KCK | G |
| | | | 02 | Fender, A | M 09:00 - 09:55 OM,T 19:30 - 20:25 M 10:00 - 10:55 | 142 KCK 142 KCK 142 KCK | G |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--------------------|-------|---|-----------|--------------------------|--------------------|-------------|--------------|
| ENGINEERING | | | | | | | |
| E 010 | 1-0-2 | Technical Seminar Presentations <i>Maximum enrollment: 6 students per section // class is open to seniors only during online registration</i> | 03 | Fender, A | OM,T 19:30 - 20:25 | 142 KCK | G |
| | | | 04 | Fender, A | M 11:00 - 11:55 | 142 KCK | G |
| | | | | | OM,T 19:30 - 20:25 | 142 KCK | G |
| | | | | | W 09:00 - 09:55 | 142 KCK | G |
| | | | 05 | Fender, A | OM,T 19:30 - 20:25 | 142 KCK | G |
| | | | | | W 10:00 - 10:55 | 142 KCK | G |
| | | | 06 | Fender, A | OM,T 19:30 - 20:25 | 142 KCK | G |
| | | | | | W 11:00 - 11:55 | 142 KCK | G |
| | | | 07 | Fender, A | OM,T 19:30 - 20:25 | 142 KCK | G |
| | | F 09:00 - 09:55 | 142 KCK | G | | | |
| | | 08 | Fender, A | OM,T 19:30 - 20:25 | 142 KCK | G | |
| | | | | F 10:00 - 10:55 | 142 KCK | G | |
| | | 09 | Fender, A | OM,T 19:30 - 20:25 | 142 KCK | G | |
| | | | | F 11:00 - 11:55 | 142 KCK | G | |
| E 011 | 1-0-2 | Written Technical Communication in Engineering and Applied Science <i>Open to E&AS seniors only // Maximum enrollment: 20 students per section</i> | 01 | Pierce, G | T 10:30 - 11:25 | 142 KCK | G |
| | | | 02 | Pierce, G | W 13:00 - 13:55 | 142 KCK | G |
| | | | 03 | Readhead, C | R 15:00 - 15:55 | 306 FIR | G |
| | | | 04 | Smith, D | M 11:00 - 11:55 | 104 WAT | G |
| E 102A | 3-0-6 | Entrepreneurial Development | 01 | Pickar, K / Belz, A | TR 13:00 - 14:25 | 115 GTS/TOM | |
| E/ME/MedE 105B | 3-0-6 | Design for Freedom from Disability | 01 | Pickar, K | TR 14:30 - 15:55 | B101 BBB | |
| ChE/Ch/E 107 | 3-0-6 | Social Media for Scientists <i>maximum enrollment: 25 students</i> | 01 | Davis, M | MWF 15:00 - 15:55 | 106 SPL | |
| E 120 | 2-0-4 | Data Visualization Projects <i>Maximum enrollment: 20 students // first week class will meet on Tues, 3/29, 7-9pm</i> | 01 | Lombeyda, S / Mushkin, H | M 16:00 - 17:55 | 100 PWL/BTH | |
| ENGLISH | | | | | | | |
| Hum/En 006 | 3-0-6 | American Literature and Culture <i>Attendance at the first class is required.// Maximum enrollment: 15 students per section //</i> | 01 | Hunter, C | TR 14:30 - 15:55 | 102 SPL | |
| | | | 02 | Jurca, C | TR 14:30 - 15:55 | 115 DAB | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-----------------|-------|--|---------|--------------|------------------|----------|--------------|
| ENGLISH | | | | | | | |
| Hum/En 007 | 3-0-6 | Modern European Literature <i>Attendance at first class is required.//Maximum enrollment: 15 students // Section 1 cancelled</i> | 01 | Staff | A | A | |
| | | | 02 | Gilmore, D | TR 10:30 - 11:55 | 228 BAX | |
| En/Wr 084 | 3-0-6 | Writing About Science <i>maximum enrollment: 15 students // graduate students by instructor's permission only</i> | 01 | Hall, S | TR 13:00 - 14:25 | 33 BAX | |
| En 085 | 3-0-6 | Writing Poetry <i>Maximum Enrollment: 15 students // Class will meet in 101 Schlinger on 4/12 and 5/10</i> | 01 | Hall, J | TR 14:30 - 15:55 | 152 BRN | |
| En 089 | 3-0-6 | Writing the News - Journalistic Writing <i>Maximum Enrollment: 12 students</i> | 01 | Kipling, R | T 19:00 - 21:55 | 125 BAX | |
| En 098 | + | Reading in English <i>Instructor permission required prior to registering</i> | 01 | Haugen, K | A | A | P |
| | | | 02 | Gilmartin, K | A | A | P |
| | | | 03 | Ming, F | A | A | P |
| | | | 04 | Jurca, C | A | A | P |
| | | | 05 | Hunter, C | A | A | P |
| En 099B | 1-0-8 | Senior Tutorial for English Majors | 01 | Gilmartin, K | A | A | G |
| | | | 02 | Jurca, C | A | A | G |
| | | | 03 | Weinstein, C | A | A | G |
| | | | 04 | Haugen, K | A | A | G |
| En 104 | 3-0-6 | Imagining the Medieval in the Nineteenth Century <i>Maximum Enrollment: 15 students</i> | 01 | Saltzman, B | TR 10:30 - 11:55 | 115 DAB | |
| En 118 | 3-0-6 | Classical Mythology <i>maximum enrollment: 25 students</i> | 01 | Haugen, K | W 19:00 - 21:55 | 127 BAX | G |
| En 128 | 3-0-6 | Modern and Contemporary Irish Literature <i>open by lottery only; see link on the REGIS home page to enter by February 24th //maximum enrollment: 20 students</i> | 01 | Gilmartin, K | T 19:00 - 21:55 | 127 BAX | |
| En 182 | 3-0-6 | Literature and the First Amendment <i>maximum enrollment: 20 students</i> | 01 | Hunter, C | TR 10:30 - 11:55 | 128 BAX | G |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------|---|---------|---------------|-------------------|----------|--------------|
| ENGLISH | | | | | | | |
| En 186 | 3-0-6 | The Novel of Education <i>maximum enrollment: 20 students</i> | 01 | Gilmore, D | TR 14:30 - 15:55 | 128 BAX | G |
| En/H 193 | 3-0-6 | Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>class cancelled</i> | 01 | Staff | A | A | |
| ENGLISH AS A SECOND LANGUAGE | | | | | | | |
| ESL107 | 0-0-0 | Introductory Writing and Oral Presentation | 01 | Geasland, J | MW 17:00 - 18:25 | 117 DAB | P |
| ENVIRONMENTAL SCIENCE & ENGINEERING | | | | | | | |
| ESE001 | 3-0-6 | Introduction to Environmental Science and Engineering | 01 | Leadbetter, J | MWF 14:00 - 14:55 | 162 SMD | G |
| ESE090 | + | Undergraduate Laboratory Research in Environmental Science and Engineering | 01 | Newman, D | A | A | P |
| | | | 02 | Sessions, A | A | A | P |
| | | | 03 | Thompson, A | A | A | P |
| | | | 04 | Hoffmann, M | A | A | P |
| | | | 06 | Leadbetter, J | 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 | Sessions, A | A | A | P |
| | | | 04 | Hoffmann, M | A | A | P |
| | | | 09 | Seinfeld, J | A | A | P |
| | | | 10 | Wennberg, P | A | A | P |
| | | | 12 | Schneider, T | A | A | P |
| ESE106 | + | Research in Environmental Science and Engineering | 01 | Adkins, J | A | A | P |
| | | | 02 | Blake, G | A | A | P |
| | | | 03 | Bordoni, S | A | A | P |
| | | | 04 | Eiler, J | A | A | P |
| | | | 05 | Flagan, R | A | A | P |
| | | | 06 | Hoffmann, M | A | A | P |
| | | | 07 | Ingersoll, A | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------------|--|---------|---------------------------|-------------------|----------|--------------|
| ENVIRONMENTAL SCIENCE & ENGINEERING | | | | | | | |
| ESE106 | + | Research in Environmental Science and Engineering | 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 | | | |
| ESE110C | 1-0-0 | Seminar in Environmental Science and Engineering | 01 | Adkins, J | W 15:00 - 15:55 | 365 SMD | P |
| ESE131 | 3-0-6 | Physical Oceanography | 01 | Thompson, A | MWF 11:00 - 11:55 | 135 L+R | |
| ESE135 | 2-0-4 | Topics in Atmosphere and Ocean Dynamics | 01 | Bordoni, S / Thompson, A | F 14:30 - 15:25 | 136 L+R | P |
| Ge/ESE 146 | 3-0-6 | Stable Isotope Biogeochemistry | 01 | Sessions, A | MWF 11:00 - 11:55 | 215 NMD | |
| Ge/EE/ESE 157C | 3-3-3 | Remote Sensing for Environmental and Geological Applications <i>Field Trip Dates: TBA</i> | 01 | Ehlmann, B | TR 09:00 - 10:25 | 162 SMD | |
| ESE/Ge/Ch 171 | 3-0-6 | Atmospheric Chemistry I | 01 | Seinfeld, J / Wennberg, P | TR 13:00 - 14:25 | 102 SPL | |
| ESE/Ch 176 | 3-0-6 | Physical Organic Chemistry of Natural Waters | 01 | Hoffmann, M | MWF 10:00 - 10:55 | 135 L+R | |
| Ge/Bi/ESE 246 | 2-0-4 | Molecular Geobiology Seminar | 01 | Orphan, V | W 12:00 - 13:55 | 267 ARM | P |
| ESE300 | + | Thesis Research | 01 | Adkins, J | A | A | P |
| | | | 02 | Sessions, A | 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 | 03 | Okumura, M | A | A | P | | | |
| | | | 04 | Hoffmann, M | A | A | P | | | |
| | | | 05 | Ingersoll, A | A | A | P | | | |
| | | | 06 | Leadbetter, J | A | A | P | | | |
| | | | 07 | Flagan, R | 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 | | | |
| | | | 13 | Bordoni, S | A | A | P | | | |
| | | | 14 | Thompson, A | A | A | P | | | |
| | | | FRESHMAN SEMINARS | | | | | | | |
| | | | FS/Ph 011C | 2-0-4 | Freshman Seminar: Research Tutorial | 01 | Phillips, R | A | 201 SLN | P |
| | | | GEOLOGY | | | | | | | |
| Ge 001 | 3-3-3 | Earth and Environment <i>Field Trip Dates: TBA // Labs held every other T at 11-1, 4-6, 7-9 in 251 Arms</i> | 01 | Asimow, P | MWF 14:00 - 14:55 | 155 ARM | G | | | |
| Ge/Ay 011C | 3-0-6 | Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i> | 01 | Brown, M | TR 10:30 - 11:55 | 162 SMD | | | | |
| Ge 040 | + | Special Problems for Undergraduates | 01 | Kirschvink, J | A | A | P | | | |
| | | | 02 | Knutson, H | A | A | P | | | |
| | | | 03 | Lamb, M | A | A | P | | | |
| | | | 04 | Adkins, J | A | A | P | | | |
| | | | 05 | Rossmann, G | A | A | P | | | |
| | | | 06 | Ingersoll, A | A | A | P | | | |
| | | | 07 | Asimow, P | A | A | P | | | |
| | | | 08 | Clayton, R | A | A | P | | | |
| | | | 09 | Sessions, A | A | A | P | | | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme | | | |
|-----------------|-------|---|---------|-------------------------|--|----------|-----------------------|------------------|---------|---|
| GEOLOGY | | | | | | | | | | |
| Ge 041C | + | Undergraduate Research and Bachelor's Thesis | 01 | Grotzinger, J | A | A | P | | | |
| | | | 02 | Newman, D | A | A | P | | | |
| | | | 03 | Kirschvink, J | A | A | P | | | |
| | | | 04 | Stock, J | A | A | P | | | |
| | | | 05 | Ingersoll, A | A | A | P | | | |
| | | | 06 | Orphan, V | A | A | P | | | |
| | | | 07 | Fischer, W | A | A | P | | | |
| | | | 08 | Jackson, J | A | A | P | | | |
| | | | 11 | Asimow, P | A | A | P | | | |
| | | | 12 | Rossman, G | A | A | P | | | |
| | | | Ge 103 | 3-0-6 | Introduction to the Solar System <i>Taught concurrently with Ge/Ay 011C</i> | 01 | Brown, M | TR 10:30 - 11:55 | 162 SMD | |
| | | | Ge 109 | 2-0-3 | Oral Presentation | 01 | Bikle, K / Rossman, G | R 17:15 - 18:55 | 151 ARM | P |
| Ge 111B | 0-3-6 | Applied Geophysics Seminar and Field Course <i>Field Trip Dates: TBA</i> | 01 | Simons, M / Clayton, R | R 09:00 - 10:25 | 176 SMD | G | | | |
| Ge 120A | 1-5-0 | Introduction to Field Geology <i>Field Trip dates: 4/16-18 and 5/7-9 // class meets every other Monday</i> | 01 | Wernicke, B | M 13:00 - 13:55 | 267 ARM | | | | |
| Ge 121C | 0-9-3 | Advanced Field Geology <i>Field Trip Dates: TBA</i> | 01 | Grotzinger, J | F 14:00 - 14:55 | 251 ARM | G | | | |
| Ge 122C | 1-3-2 | Field Geology Seminar <i>class cancelled</i> | 01 | Staff | A | A | P | | | |
| Ge 131 | 3-0-6 | Planetary Structure and Evolution | 01 | Stevenson, D | MWF 10:00 - 10:55 | 162 SMD | | | | |
| Ge/Ay 133 | 3-0-6 | The Formation and Evolution of Planetary Systems | 01 | Knutson, H / Batygin, K | MWF 13:00 - 13:55 | 162 SMD | | | | |
| Ge 136C | 1-0-2 | Regional Field Geology of the Southwestern United States <i>Field Trip Dates: TBA</i> | 01 | Kirschvink, J | OM,M 09:30 - 09:55 | 267 ARM | P | | | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-----------------|-------|---|---------|--|---|-------------------------------|--------------|
| GEOLOGY | | | | | | | |
| Ge/ESE 146 | 3-0-6 | Stable Isotope Biogeochemistry | 01 | Sessions, A | MWF 11:00 - 11:55 | 215 NMD | |
| Ge/EE/ESE 157C | 3-3-3 | Remote Sensing for Environmental and Geological Applications <i>Field Trip Dates: TBA</i> | 01 | Ehlmann, B | TR 09:00 - 10:25 | 162 SMD | |
| Ge 163 | 3-0-6 | Geodynamics | 01 | Gurnis, M | MWF 09:00 - 09:55 | 256 SMD | |
| Ge 166 | 3-0-6 | Hydrology | 01 | Tsai, V | TR 13:00 - 14:25 | 162 SMD | |
| ESE/Ge/Ch 171 | 3-0-6 | Atmospheric Chemistry I | 01 | Seinfeld, J / Wennberg, P | TR 13:00 - 14:25 | 102 SPL | |
| ME/CE/Ge 174 | 3-0-6 | Mechanics of Rocks | 01 | Lapusta, N | TR 14:30 - 15:55 | 115 GTS/TOM | |
| Ge 177 | 3-3-6 | Active Tectonics | 01 | Avouac, J | M 10:00 - 10:55 T 10:30 - 11:55 W 10:00 - 10:55 | 215 NMD 215 NMD 215 NMD | |
| Ge 194 | 1-0-2 | Special Topics in the Planetary Sciences: Scientific Issues in Mars Landing Site Selection | 01 | Ehlmann, B | M 09:00 - 09:55 | 176 SMD | |
| Ge 196 | 3-0-6 | Special Topics in Atmospheres and Oceans: Ocean Turbulence from Space | 01 | Klein, J | TR 09:00 - 10:25 | 135 L+R | |
| Ay/Ge 198 | 2-0-4 | Special Topics in the Planetary Sciences: Extrasolar Planets | 01 | Batygin, K / Hillenbrand, L / Mawet, D | F 15:00 - 16:55 | 219 CHL | |
| Ge/Bi 244 | 3-0-3 | Paleobiology Seminar | 01 | Kirschvink, J | OM,M 09:00 - 09:25 M 19:30 - 20:55 | 267 ARM A | |
| Ge/Bi/ESE 246 | 2-0-4 | Molecular Geobiology Seminar | 01 | Orphan, V | W 12:00 - 13:55 | 267 ARM | P |
| Ge 261 | 3-0-6 | Advanced Seismology | 01 | Helmberger, D / Zhan, Z | MWF 11:00 - 11:55 | 256 SMD | G |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-----------------|-------|-----------------------|---------|---------------|--------------------|----------|--------------|
| GEOLOGY | | | | | | | |
| Ge 270 | 3-0-6 | Continental Tectonics | 01 | Wernicke, B | OM,M 09:30 - 09:55 | 251 ARM | |
| Ge 297 | + | Advanced Study | 01 | Adkins, J | A | A | P |
| | | | 02 | Clayton, R | A | A | P |
| | | | 03 | Stock, J | A | A | P |
| | | | 04 | Asimow, P | A | A | P |
| | | | 05 | Blake, G | A | A | P |
| | | | 06 | Brown, M | A | A | P |
| | | | 07 | Grotzinger, J | A | A | P |
| | | | 08 | Eiler, J | A | A | P |
| | | | 09 | Jackson, J | A | A | P |
| | | | 10 | Farley, K | A | A | P |
| | | | 11 | Gurnis, M | A | A | P |
| | | | 12 | Saleeby, J | A | A | P |
| | | | 13 | Helmberger, D | A | A | P |
| | | | 14 | Ingersoll, A | A | A | P |
| | | | 15 | Jackson, J | A | A | P |
| | | | 16 | Kirschvink, J | A | A | P |
| | | | 17 | Kulkarni, S | A | A | P |
| | | | 18 | Newman, D | A | A | P |
| | | | 19 | Fischer, W | A | A | P |
| | | | 20 | Bordoni, S | A | A | P |
| | | | 21 | Ehlmann, B | A | A | P |
| | | | 22 | Rossman, G | A | A | P |
| | | | 23 | Lamb, M | A | A | P |
| | | | 24 | Miller, T | A | A | P |
| | | | 25 | Simons, M | A | A | P |
| | | | 26 | Stevenson, D | A | A | P |
| | | | 27 | Zhan, Z | A | A | P |
| | | | 28 | Stolper, E | A | A | P |
| | | | 29 | Batygin, K | A | A | P |
| | | | 32 | Wernicke, B | A | A | P |
| | | | 34 | Yung, Y | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-----------------|------------------|----------------|---------|------------------|-----------------|----------|--------------|
| GEOLOGY | | | | | | | |
| Ge 297 | + | Advanced Study | 35 | Wennberg, P | A | A | P |
| | | | 36 | Avouac, J | A | A | P |
| | | | 37 | Aharonson, O | A | A | P |
| | | | 38 | Lapusta, N | A | A | P |
| | | | 39 | Sessions, A | A | A | P |
| | | | 40 | Orphan, V | A | A | P |
| | | | 41 | Ampuero Saenz, J | A | A | P |
| | | | 42 | Tsai, V | A | A | P |
| | | | 43 | Knutson, H | A | A | P |
| | | | Ge 299 | + | Thesis Research | 01 | Adkins, J |
| 02 | Aharonson, O | A | | | | A | P |
| 03 | Fischer, W | A | | | | A | P |
| 04 | Kirschvink, J | A | | | | A | P |
| 05 | Asimow, P | A | | | | A | P |
| 06 | Blake, G | A | | | | A | P |
| 07 | Brown, M | A | | | | A | P |
| 08 | Clayton, R | A | | | | A | P |
| 09 | Eiler, J | A | | | | A | P |
| 10 | Farley, K | A | | | | A | P |
| 11 | Gurnis, M | A | | | | A | P |
| 12 | Heaton, T | A | | | | A | P |
| 13 | Helmberger, D | A | | | | A | P |
| 14 | Schneider, T | A | | | | A | P |
| 15 | Grotzinger, J | A | | | | A | P |
| 16 | Simons, M | A | | | | A | P |
| 17 | Avouac, J | A | | | | A | P |
| 18 | Newman, D | A | | | | A | P |
| 19 | Ampuero Saenz, J | A | | | | A | P |
| 20 | Ehlmann, B | A | | | | A | P |
| 21 | Orphan, V | A | | | | A | P |
| 22 | Fischer, W | A | | | | A | P |
| 23 | Saleeby, J | A | | | | A | P |
| 24 | Kulkarni, S | A | | | | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-----------------|-------|--|---------|--------------------|------------------|----------------|--------------|
| GEOLOGY | | | | | | | |
| Ge 299 | + | Thesis Research | 25 | Lamb, M | A | A | P |
| | | | 26 | Stevenson, D | A | A | P |
| | | | 27 | Stock, J | A | A | P |
| | | | 28 | Stolper, E | A | A | P |
| | | | 29 | Knutson, H | A | A | P |
| | | | 32 | Yung, Y | A | A | P |
| | | | 33 | Wernicke, B | A | A | P |
| | | | 34 | Rossman, G | A | A | P |
| | | | 35 | Sessions, A | A | A | P |
| | | | 36 | Lapusta, N | A | A | P |
| | | | 37 | Jackson, J | A | A | P |
| | | | 38 | Ingersoll, A | A | A | P |
| | | | 40 | Tsai, V | A | A | P |
| HISTORY | | | | | | | |
| Hum/H 003A | 3-0-6 | European Civilization: The Classical and Medieval Worlds <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Brown, W | TR 14:30 - 15:55 | 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 per section //</i> <i>section 1 grades only // section 2 cancelled</i> | 01 | Hoffman, P | TR 14:30 - 15:55 | 125 BAX | G |
| | | | 02 | Staff | A | A | G |
| Hum/H 003C | 3-0-6 | European Civilization: Modern Europe <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Kormos-Buchwald, D | TR 10:30 - 11:55 | House EINSTEIN | |
| Hum/H 004B | 3-0-6 | The Development of Science from Babylon through the Renaissance <i>Attendance at the first class is required. //</i> <i>Maximum Enrollment: 15 students</i> | 01 | Buchwald, J | TR 14:30 - 15:55 | TR DAB | |
| Hum/H/HPS 010 | 3-0-6 | Introduction to the History of Science <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Feingold, M | W 19:00 - 21:55 | TR DAB | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------|---|---------|--------------------|-------------------|----------------|--------------|
| HISTORY | | | | | | | |
| H 098 | + | Reading in History | 03 | Buchwald, J | A | A | P |
| | | | 04 | Kousser, J | A | A | P |
| H 099C | 1-0-8 | Research Tutorial | 01 | Hoffman, P | A | A | |
| | | | 02 | Brown, W | A | A | |
| | | | 03 | Dennison, T | A | A | |
| | | | 04 | Buchwald, J | A | A | |
| | | | 05 | Wey-Gomez, N | A | A | |
| | | | 06 | Kousser, J | A | A | |
| H 108B | 3-0-6 | The High Middle Ages <i>maximum enrollment: 25 students</i> | 01 | Brown, W | MWF 13:00 - 13:55 | 127 BAX | |
| Law/PS/H 148B | 3-0-6 | The Supreme Court in U.S. History <i>Law/PS/H 148a is a prerequisite // maximum enrollment: 30 students</i> | 01 | Kousser, J | T 19:30 - 22:25 | 128 BAX | G |
| HPS/H 152 | 3-0-6 | Renaissance Anatomy and Botany <i>maximum enrollment: 10 students // class will meet in Baxter 128 on April 28th</i> | 01 | Manning, G | R 19:00 - 21:55 | 115 DAB | |
| HPS/H 160A | 3-0-6 | Einstein and His Generation: The History of Modern Physical Sciences <i>maximum enrollment: 15 students</i> | 01 | Kormos-Buchwald, D | TR 14:30 - 15:55 | House EINSTEIN | |
| HPS/H 162 | 3-0-6 | Social Studies of Science <i>maximum enrollment: 15 students</i> | 01 | Feingold, M | T 19:00 - 21:55 | TR DAB | |
| HPS/H 167 | 3-0-6 | Experimenting with History/Historic Experiment <i>maximum enrollment: 15 students</i> | 01 | Buchwald, J | TR 10:30 - 11:55 | TR DAB | G |
| En/H 193 | 3-0-6 | Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>class cancelled</i> | 01 | Staff | A | A | |
| HPS/H 196 | 3-0-6 | Science in Popular Culture <i>maximum enrollment: 15 students</i> | 01 | Siddiqi, A | TR 10:30 - 11:55 | 33 BAX | G |
| HISTORY AND PHILOSOPHY OF SCIENCE | | | | | | | |

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|--|-------|--|----------|---------------------|----------------------|----------------|--------------|
| HISTORY AND PHILOSOPHY OF SCIENCE | | | | | | | |
| Hum/H/HPS 010 | 3-0-6 | Introduction to the History of Science <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Feingold, M | W 19:00 - 21:55 | TR DAB | |
| HPS103 | 1-0-0 | Public Lecture Series | 01 | Eberhardt, F | A | A | P |
| HPS/PI 125 | 3-0-6 | Philosophical Issues in Quantum Physics <i>maximum enrollment: 15 students</i> | 01 | Sebens, C | TR 13:00 - 14:25 | 127 BAX | |
| HPS/PI 136 | 3-0-6 | Happiness and the Good Life <i>open by lottery only; see link on the REGIS</i> <i>home page to enter by February 24th //</i> <i>maximum enrollment: 15 students</i> | 01 | Quartz, S | TR 14:30 - 15:55 | 117 DAB | |
| HPS/H 152 | 3-0-6 | Renaissance Anatomy and Botany <i>maximum enrollment: 10 students // class will</i> <i>meet in Baxter 128 on April 28th</i> | 01 | Manning, G | R 19:00 - 21:55 | 115 DAB | |
| HPS/H 160A | 3-0-6 | Einstein and His Generation: The History of Modern Physical Sciences <i>maximum enrollment: 15 students</i> | 01 | Kormos-Buchwald, D | TR 14:30 - 15:55 | House EINSTEIN | |
| HPS/H 162 | 3-0-6 | Social Studies of Science <i>maximum enrollment: 15 students</i> | 01 | Feingold, M | T 19:00 - 21:55 | TR DAB | |
| HPS/H 167 | 3-0-6 | Experimenting with History/Historic Experiment <i>maximum enrollment: 15 students</i> | 01 | Buchwald, J | TR 10:30 - 11:55 | TR DAB | G |
| PI/HPS 183 | 3-0-6 | Bioethics <i>maximum enrollment: 20 students in section 1 //</i> <i>section 2 cancelled</i> | 01 02 | Manning, G Staff | T 19:00 - 21:55 A | 115 DAB A | |
| HPS/H 196 | 3-0-6 | Science in Popular Culture <i>maximum enrollment: 15 students</i> | 01 | Siddiqi, A | TR 10:30 - 11:55 | 33 BAX | G |
| HUMANITIES | | | | | | | |
| Hum/H 003A | 3-0-6 | European Civilization: The Classical and Medieval Worlds <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Brown, W | TR 14:30 - 15:55 | 127 BAX | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------|-------|--|---------|--------------------|-------------------|----------------|--------------|
| HUMANITIES | | | | | | | |
| 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 per section //</i> <i>section 1 grades only // section 2 cancelled</i> | 01 | Hoffman, P | TR 14:30 - 15:55 | 125 BAX | G |
| | | | 02 | Staff | A | A | G |
| Hum/H 003C | 3-0-6 | European Civilization: Modern Europe <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Kormos-Buchwald, D | TR 10:30 - 11:55 | House EINSTEIN | |
| Hum/H 004B | 3-0-6 | The Development of Science from Babylon through the Renaissance <i>Attendance at the first class is required. //</i> <i>Maximum Enrollment: 15 students</i> | 01 | Buchwald, J | TR 14:30 - 15:55 | TR 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 per section //</i> <i>section 1 grades only</i> | 01 | Hunter, C | TR 14:30 - 15:55 | 102 SPL | |
| | | | 02 | Jurca, C | TR 14:30 - 15:55 | 115 DAB | |
| Hum/En 007 | 3-0-6 | Modern European Literature <i>Attendance at first class is required.//Maximum enrollment: 15 students // Section 1 cancelled</i> | 01 | Staff | A | A | |
| | | | 02 | Gilmore, D | TR 10:30 - 11:55 | 228 BAX | |
| Hum/PI 008 | 3-0-6 | Right and Wrong <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students per section. //</i> <i>Section 2 will meet in 127 Baxter on April 28th</i> | 01 | Mead, A | T 19:00 - 21:55 | 117 DAB | |
| | | | 02 | Mead, A | R 19:00 - 21:55 | 117 DAB | |
| Hum/PI 009 | 3-0-6 | Knowledge and Reality <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Sebens, C | MWF 09:00 - 09:55 | 33 BAX | |
| Hum/H/HPS 010 | 3-0-6 | Introduction to the History of Science <i>Attendance at the first class is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Feingold, M | W 19:00 - 21:55 | TR DAB | |
| Hum114C | 3-0-6 | Spanish and Latin American Literature | 01 | Arjona, G | MR 16:00 - 17:25 | 33 BAX | |
| L/Hum 152A | 3-0-6 | French Literature in Translation: Classical and Modern | 01 | Merrill, T | M 12:00 - 12:55 | 125 BAX | |
| | | | | | R 19:00 - 20:55 | 125 BAX | |

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|---|-------|--|----------|------------------------|--|--------------------|--------------|
| HUMANITIES | | | | | | | |
| Hum174 | 3-0-6 | Topics in Chinese Literature | 01 | Ming, F | TW 20:30 - 21:55 | 33 BAX | |
| INFORMATION SCIENCE AND TECHNOLOGY | | | | | | | |
| IST004 | 3-0-6 | Information and Logic | 01 | Bruck, J | TR 14:30 - 15:55 | 105 ANB | G |
| LANGUAGES | | | | | | | |
| L 102C | 3-0-6 | Elementary French | 01 | Orcel, C | MTR 16:00 - 16:55 | 115 DAB | |
| L 103C | 3-0-6 | Intermediate French | 01 | Orcel, C | MW 17:00 - 17:55 F 16:00 - 16:55 | 115 DAB 115 DAB | |
| L 106C | 5-0-4 | Elementary Japanese <i>Taught by Dr. Hirai</i> | 01 02 | Toner, R Toner, R | MTWR 15:00 - 15:55 MTWR 16:00 - 16:55 | 228 BAX 228 BAX | |
| L 107C | 5-1-4 | Intermediate Japanese <i>Prerequisite: L 106abc or equivalent</i> | 01 | Sumitomo, M | T 19:00 - 20:25 W 19:00 - 20:25 | 121 BCK 128 BAX | G |
| L 110C | 3-0-6 | Elementary Spanish <i>maximum enrollment: 20 students per section // class will meet in 33 Baxter on 4/28</i> | 01 02 | Garcia, D Arjona, G | MWR 12:00 - 12:55 MR 19:00 - 20:25 | 117 DAB 128 BAX | |
| L 112C | 3-0-6 | Intermediate Spanish <i>maximum enrollment: 20 students</i> | 01 | Garcia, D | MWR 13:00 - 13:55 | 117 DAB | |
| L 114C | 3-0-6 | Spanish and Latin American Literature <i>maximum enrollment: 20 students // class will meet 33 Baxter on 4/28</i> | 01 | Arjona, G | MR 16:00 - 17:25 | 125 BAX | |
| L 130C | 3-0-6 | Elementary German | 01 | Aebi, A | MWR 13:00 - 13:55 | 115 DAB | |
| L 132C | 3-0-6 | Intermediate German | 01 | Aebi, A | MWR 12:00 - 12:55 | 115 DAB | |
| L/Hum 152A | 3-0-6 | French Literature in Translation: Classical and Modern | 01 | Merrill, T | M 12:00 - 12:55 R 19:00 - 20:55 | 125 BAX 125 BAX | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--------------------------|-------|--|---------|------------|-------------------------------------|--------------------|--------------|
| LANGUAGES | | | | | | | |
| L 167B | 3-0-6 | Latin Literature | 01 | Pigman, G | MTR 12:00 - 12:55 | 128 BAX | |
| L 170C | 4-1-5 | Introduction to Chinese <i>maximum enrollment: 20 students</i> | 01 | Wang, X | TWR 16:00 - 16:55 | 128 BAX | |
| L 171C | 5-0-4 | Elementary Chinese <i>maximum enrollment: 20 students</i> | 01 | Ming, F | TW 19:00 - 20:25 | 33 BAX | |
| L 172C | 4-1-5 | Intermediate Chinese <i>maximum enrollment: 20 students</i> | 01 | Wang, X | TR 19:00 - 20:25 | 19 BAX | |
| L 174 | 3-0-6 | Topics in Chinese Literature | 01 | Ming, F | TW 20:30 - 21:55 | 33 BAX | |
| L 175 | 3-0-3 | French Conversation | 01 | Orcel, C | TR 08:30 - 09:55 | 115 DAB | P |
| LAW | | | | | | | |
| Law/PS/H 148B | 3-0-6 | The Supreme Court in U.S. History <i>Law/PS/H 148a is a prerequisite // maximum enrollment: 30 students</i> | 01 | Kousser, J | T 19:30 - 22:25 | 128 BAX | G |
| MATERIALS SCIENCE | | | | | | | |
| MS 078C | + | Senior Thesis | 02 | Johnson, W | A | A | P |
| | | | 04 | Greer, J | A | A | P |
| | | | 05 | Goddard, W | A | A | P |
| MS 090 | 1-6-2 | Materials Science Laboratory <i>Maximum Enrollment: 12 students</i> | 01 | Hofmann, D | WF 09:00 - 11:55 M 12:00 - 12:55 | 320 KCK 102 STL | |
| MS 100 | + | Advanced Work in Materials Science | 02 | Fultz, B | A | A | P |
| | | | 03 | Lewis, N | A | A | P |
| | | | 04 | Davis, M | A | A | P |
| | | | 05 | Johnson, W | A | A | P |
| APh/MS 105C | 3-0-6 | States of Matter | 01 | Fultz, B | TR 10:30 - 11:55 | 104 WAT | |

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|--------------------------|-------|--|---------|-------------------------|------------------|----------|--------------|
| MATERIALS SCIENCE | | | | | | | |
| MS 110C | 1-0-0 | Materials Research Lectures | 01 | Minnich, A | W 16:00 - 16:55 | 106 SPL | P |
| MS/APh 122 | 0-4-5 | Diffraction, Imaging, and Structure <i>Maximum enrollment: 8 students</i> | 01 | Fultz, B / Garland, C | A | A | |
| MS 125 | 1-6-2 | Advanced Transmission Electron Microscopy | 01 | Ahn, C | M 10:00 - 10:55 | 111 KCK | |
| MS 133 | 3-0-6 | Kinetic Processes in Materials <i>No classes second week of term. Makeup classes will be held MW of 3rd week from 7-8:30pm.</i> | 01 | Greer, J / Kornfield, J | TR 14:30 - 15:55 | 142 KCK | |
| MS/ME 166 | 3-0-6 | Fracture of Brittle Solids | 01 | Faber, K | TR 09:00 - 10:25 | 104 WAT | |
| MS 200 | + | Advanced Work in Materials Science | 01 | Johnson, W | A | A | P |
| | | | 02 | Goddard, W | A | A | P |
| | | | 04 | Fultz, B | A | A | P |
| | | | 06 | Heath, J | A | A | P |
| | | | 07 | Bhattacharya, K | A | A | P |
| | | | 08 | Lewis, N | A | A | P |
| | | | 10 | Atwater, H | A | A | P |
| | | | 12 | Greer, J | A | A | P |
| | | | 13 | Minnich, A | A | A | P |
| | | | 14 | Bernardi, M | A | A | P |
| | | | 15 | Ortiz, M | A | A | P |
| | | | 16 | Kochmann, D | A | A | P |
| | | | 17 | Faber, K | A | A | P |
| | | | 18 | Rees, D | A | A | P |
| MS 300 | + | Thesis Research | 01 | Johnson, W | A | A | P |
| | | | 02 | Faber, K | A | A | P |
| | | | 03 | Atwater, H | A | A | P |
| | | | 04 | Goddard, W | A | A | P |
| | | | 05 | Fultz, B | A | A | P |

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|--------------------------|-------|---|---------|-----------------|--------------------------------------|--------------------|--------------|
| MATERIALS SCIENCE | | | | | | | |
| MS 300 | + | Thesis Research | 06 | Greer, J | A | A | P |
| | | | 07 | Haile, S | A | A | P |
| | | | 08 | Lewis, N | A | A | P |
| | | | 09 | Bhattacharya, K | A | A | P |
| | | | 10 | Rosakis, A | A | A | P |
| | | | 11 | Minnich, A | A | A | P |
| | | | 12 | Snyder, G | A | A | P |
| | | | 14 | Heath, J | A | A | P |
| | | | 16 | Cross, M | A | A | P |
| | | | 17 | Rees, D | A | A | P |
| MATHEMATICS | | | | | | | |
| Ma 001C | 4-0-5 | Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-7 & 12-14//</i> <i>Analytical Track: Sections 8-11 //Maximum Enrollment: 30 students per section</i> | 01 | Ni, Y | MWF 10:00 - 10:55 R 09:00 - 09:55 | 119 KRK 151 SLN | G |
| | | | 02 | Ni, Y | MWF 10:00 - 10:55 R 09:00 - 09:55 | 119 KRK 153 SLN | G |
| | | | 03 | Ni, Y | MWF 10:00 - 10:55 R 10:00 - 10:55 | 119 KRK 27 GTS | G |
| | | | 04 | Ni, Y | MWF 10:00 - 10:55 R 10:00 - 10:55 | 119 KRK 153 SLN | G |
| | | | 05 | Ni, Y | MWF 10:00 - 10:55 R 10:00 - 10:55 | 119 KRK 11 DWN | G |
| | | | 06 | Ni, Y | MWF 10:00 - 10:55 R 13:00 - 13:55 | 119 KRK 11 DWN | G |
| | | | 07 | Ni, Y | MWF 10:00 - 10:55 R 14:00 - 14:55 | 119 KRK 11 DWN | G |
| | | | 08 | Flach, M | MWF 10:00 - 10:55 R 09:00 - 09:55 | 151 SLN 159 SLN | G |
| | | | 09 | Flach, M | MWF 10:00 - 10:55 R 10:00 - 10:55 | 151 SLN 103 DWN | G |
| | | | 10 | Flach, M | MWF 10:00 - 10:55 R 13:00 - 13:55 | 151 SLN 103 DWN | G |
| | | | 11 | Flach, M | MWF 10:00 - 10:55 | 151 SLN | G |

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|--------------------|-------|---|---------|-----------------|--------------------|----------|--------------|
| MATHEMATICS | | | | | | | |
| Ma 001C | 4-0-5 | Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-7 & 12-14//</i> <i>Analytical Track: Sections 8-11 //Maximum Enrollment: 30 students per section</i> | 11 | Flach, M | R 14:00 - 14:55 | 103 DWN | G |
| | | | 12 | Ni, Y | MWF 10:00 - 10:55 | 119 KRK | G |
| | | | | | R 10:00 - 10:55 | 119 DWN | |
| | | | 13 | Ni, Y | MWF 10:00 - 10:55 | 119 KRK | G |
| | | | | | R 13:00 - 13:55 | 119 DWN | |
| | | | 14 | Ni, Y | MWF 10:00 - 10:55 | 119 KRK | G |
| | | | | R 10:00 - 10:55 | 142 KCK | | |
| Ma 004 | 3-0-6 | Introduction to Mathematical Chaos | 01 | Silva, E | MWF 14:00 - 14:55 | 257 SLN | |
| Ma 005C | 3-0-6 | Introduction to Abstract Algebra <i>taught concurrently with Ma 105c</i> | 01 | Ormerod, C | MWF 09:00 - 09:55 | 151 SLN | |
| Ma/CS 006C | 3-0-6 | Introduction to Discrete Mathematics | 01 | Lupini, M | TR 13:00 - 14:25 | 142 KCK | |
| Ma 007 | 3-0-6 | Number Theory for Beginners | 01 | Ramakrishnan, D | MWF 13:00 - 13:55 | 159 SLN | |
| Ma 011 | 0-0-3 | Mathematical Writing | 01 | Graber, T | OM,T 12:00 - 12:55 | 257 SLN | G |
| | | | | | OM,F 12:00 - 12:55 | 257 SLN | |
| Ma 092C | + | Senior Thesis | 01 | Zhu, X | A | A | P |
| | | | 02 | Ramakrishnan, D | A | A | P |
| Ma 098 | + | Independent Reading <i>Faculty permission required to register for course.</i> | 01 | Ni, Y | A | A | P |
| | | | 02 | Vafae, F | A | A | P |
| Ma 104 | 3-0-6 | Introduction to Mathematical Chaos | 01 | Silva, E | MWF 14:00 - 14:55 | 153 SLN | |
| Ma 105C | 3-0-6 | Introduction to Abstract Algebra <i>taught concurrently with Ma 5c</i> | 01 | Ormerod, C | MWF 09:00 - 09:55 | 151 SLN | |
| Ma 107 | 3-0-6 | Number Theory for Beginners <i>taught concurrently with Ma 7</i> | 01 | Ramakrishnan, D | MWF 13:00 - 13:55 | 159 SLN | |

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| MATHEMATICS | | | | | | | |
| Ma 108C | 3-0-6 | Classical Analysis | 01 | Frank, R | MWF 11:00 - 11:55 | 151 SLN | |
| Ma 109C | 3-0-6 | Introduction to Geometry and Topology | 01 | Markovic, V | MWF 10:00 - 10:55 | 159 SLN | |
| Ma 110C | 3-0-6 | Analysis, I | 01 | Markovic, V | MWF 11:00 - 11:55 | 159 SLN | |
| Ma 111C | 3-0-6 | Topics in Analysis | 01 | Silva, E | MWF 11:00 - 11:55 | 153 SLN | |
| Ma 116C | 3-0-6 | Mathematical Logic and Axiomatic Set Theory | 01 | Kechris, A | TR 13:00 - 14:25 | 151 SLN | |
| Ma 120C | 3-0-6 | Abstract Algebra | 01 | Tsai, P | MWF 09:00 - 09:55 | 257 SLN | |
| Ma 130C | 3-0-6 | Algebraic Geometry | 01 | Ramakrishnan, D | TR 14:30 - 15:55 | 151 SLN | |
| Ma 148C | 3-0-6 | Topics in Mathematical Physics | 01 | Marcolli, M | TR 10:30 - 11:55 | 159 SLN | P |
| Ma 151C | 3-0-6 | Algebraic and Differential Topology | 01 | Ni, Y | MWF 14:00 - 14:55 | 159 SLN | |
| Ma 157A | 3-0-6 | Riemannian Geometry | 01 | Zhang, T | TR 09:00 - 10:25 | 257 SLN | |
| Ma 160C | 3-0-6 | Number Theory | 01 | Flach, M | MWF 15:00 - 15:55 | 153 SLN | |
| Ma 191C | 3-0-6 | Selected Topics in Mathematics | 01 | Marcolli, M | TR 13:00 - 14:25 | 159 SLN | |
| | | <i>Sec 1: Topics in Noncommutative Geometry</i> | 02 | Zhu, X | TR 10:30 - 11:55 | 257 SLN | |
| | | <i>(P/F only)/Sec 2: Topics in Algebra/Sec 3:</i> | 03 | Makarov, N | TR 13:00 - 14:25 | 153 SLN | |
| | | <i>Mathematical Introduction to Conformal Field</i> | 04 | Solis, P | TR 14:30 - 15:55 | 159 SLN | |
| | | <i>Theory/4: Loop Groups, Moduli Spaces and</i> | 05 | Tsai, P | TR 13:00 - 14:25 | 257 SLN | |
| | | <i>Some Representation Theory/5: Automorphic L-</i> | 06 | Sheffer, A | MWF 15:00 - 15:55 | 103 DWN | |
| | | <i>functions/6: Additive Combinatorics/7:</i> | 07 | Ormerod, C | TR 14:30 - 15:55 | 257 SLN | |
| | | <i>Integrable Systems</i> | | | | | |

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| MATHEMATICS | | | | | | | |
| Ma 290 | + | Reading <i>Faculty permission required to register for course.</i> | 01 | Flach, M | A | A | P |
| | | | 02 | Frank, R | A | A | P |
| | | | 03 | Graber, T | A | A | P |
| | | | 04 | Gukov, S | A | A | P |
| | | | 05 | Kapustin, A | A | A | P |
| | | | 06 | Katz, N | A | A | P |
| | | | 07 | Kechris, A | A | A | P |
| | | | 08 | Kitaev, A | A | A | P |
| | | | 09 | Makarov, N | A | A | P |
| | | | 10 | Mantovan, E | A | A | P |
| | | | 11 | Marcolli, M | A | A | P |
| | | | 12 | Markovic, V | A | A | P |
| | | | 13 | Ni, Y | A | A | P |
| | | | 14 | Oguri, H | A | A | P |
| | | | 15 | Rains, E | A | A | P |
| | | | 16 | Ramakrishnan, D | A | A | P |
| | | | 17 | Tamuz, O | A | A | P |
| | | | 18 | Zhu, X | A | A | P |
| Ma 390 | + | Research <i>Faculty permission required to register for research.</i> | 01 | Flach, M | A | A | P |
| | | | 02 | Frank, R | A | A | P |
| | | | 03 | Graber, T | A | A | P |
| | | | 04 | Katz, N | A | A | P |
| | | | 05 | Kechris, A | A | A | P |
| | | | 06 | Makarov, N | A | A | P |
| | | | 07 | Mantovan, E | A | A | P |
| | | | 08 | Marcolli, M | A | A | P |
| | | | 09 | Markovic, V | A | A | P |
| | | | 10 | Ni, Y | A | A | P |
| | | | 11 | Rains, E | A | A | P |
| | | | 12 | Ramakrishnan, D | A | A | P |
| | | | 13 | Simon, B | A | A | P |
| | | | 14 | Zhu, X | A | A | P |
| | | | 15 | Preskill, J | A | A | P |

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| MATHEMATICS | | | | | | | |
| Ma 390 | + | Research <i>Faculty permission required to register for research.</i> | 16 | Gukov, S | A | A | P |
| | | | 17 | Desbrun, M | A | A | P |
| | | | 18 | Oguri, H | A | A | P |
| | | | 19 | Kitaev, A | A | A | P |
| MECHANICAL ENGINEERING | | | | | | | |
| ME 011C | 3-0-6 | Thermal Science | 01 | Blanquart, G | MWF 14:00 - 14:55 | 135 GTS/TOM | G |
| ME 012C | 3-0-6 | Mechanics | 01 | Andrade, J | TR 13:00 - 14:25 | 135 GTS/TOM | G |
| ME 014 | 3-5-1 | Design and Fabrication <i>Maximum enrollment: 30 students // Limited to ME or Ae students // Not open to freshmen</i> | 01 | Van Deusen, J / Mello, M | TR 14:30 - 15:55 | 135 GTS/TOM | G |
| ME 050B | 0-6-3 | Experiments and Modeling in Mechanical Engineering | 01 | Mello, M | MWF 15:00 - 15:55 | 135 GTS/TOM | |
| CS/EE/ME 075C | + | Introduction to Multidisciplinary Systems Engineering | 01 | Blanquart, G / Murray, R | A | A | |
| ME 090C | 0-9-0 | Senior Thesis, Experimental | 01 | Blanquart, G | A | A | G |
| ME 100 | + | Independent Studies in Mechanical Engineering | 01 | Kochmann, D | A | A | P |
| | | | 02 | Hunt, M | A | A | P |
| | | | 03 | Burdick, J | A | A | P |
| | | | 04 | Blanquart, G | A | A | P |
| | | | 05 | Minnich, A | A | A | P |
| | | | 06 | Scherer, A | A | A | P |
| | | | 07 | Colonus, T | A | A | P |
| | | | 08 | Murray, R | A | A | P |
| | | | 09 | Pickar, K | A | A | P |
| | | | 10 | Perona, P | A | A | P |
| | | | 11 | Doyle, J | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------------------|-------|---|---------|----------------------------|-------------------|-------------|--------------|
| MECHANICAL ENGINEERING | | | | | | | |
| Ae/APh/CE/ME 101C | 3-0-6 | Fluid Mechanics | 01 | Austin, J | MWF 10:00 - 10:55 | 101 GUG | G |
| Ae/AM/CE/ME 102C | 3-0-6 | Mechanics of Structures and Solids | 01 | Bhattacharya, K / Ortiz, M | TR 09:00 - 10:25 | 135 GTS/TOM | G |
| E/ME/MedE 105B | 3-0-6 | Design for Freedom from Disability | 01 | Pickar, K | TR 14:30 - 15:55 | B101 BBB | |
| ME 110 | + | Special Laboratory Work in Mechanical Engineering | 01 | Murray, R | A | A | P |
| | | | 02 | Burdick, J | A | A | P |
| | | | 03 | Brennen, C | A | A | P |
| | | | 04 | Pickar, K | A | A | P |
| | | | 05 | Ravichandran, G | A | A | P |
| | | | 06 | Shepherd, J | A | A | P |
| | | | 07 | Scherer, A | A | A | P |
| ME 115B | 3-0-6 | Introduction to Kinematics and Robotics | 01 | Burdick, J | MWF 10:00 - 10:55 | 135 GTS/TOM | |
| AM/CE/ME 150C | 1-0-0 | Graduate Engineering Seminar | 01 | Lapusta, N | R 11:00 - 11:55 | 135 GTS/TOM | P |
| MS/ME 166 | 3-0-6 | Fracture of Brittle Solids | 01 | Faber, K | TR 09:00 - 10:25 | 104 WAT | |
| ME/CE/Ge 174 | 3-0-6 | Mechanics of Rocks | 01 | Lapusta, N | TR 14:30 - 15:55 | 115 GTS/TOM | |
| ME 200 | + | Advanced Work in Mechanical Engineering | 01 | Lapusta, N | A | A | P |
| | | | 02 | Ravichandran, G | A | A | P |
| | | | 03 | Burdick, J | A | A | P |
| | | | 04 | Brennen, C | A | A | P |
| | | | 05 | Bhattacharya, K | A | A | P |
| Ae/AM/ME 223 | 3-0-6 | Plasticity | 01 | Ortiz, M | MWF 09:00 - 09:55 | 306 FIR | |

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|-------------------------------|-------|------------------------------------|----------------------------|-----------------|-----------|----------|--------------|
| MECHANICAL ENGINEERING | | | | | | | |
| ME 300 | + | Research in Mechanical Engineering | 02 | Bellan, P | A | A | P |
| | | | 03 | Bhattacharya, K | A | A | P |
| | | | 04 | Burdick, J | A | A | P |
| | | | 05 | Colonus, T | A | A | P |
| | | | 06 | Adkins, J | A | A | P |
| | | | 07 | Gharib, M | A | A | P |
| | | | 08 | Kochmann, D | A | A | P |
| | | | 09 | Haile, S | A | A | P |
| | | | 10 | Hunt, M | A | A | P |
| | | | 11 | Lapusta, N | A | A | P |
| | | | 12 | Leonard, A | A | A | P |
| | | | 13 | Murray, R | A | A | P |
| | | | 14 | Ortiz, M | A | A | P |
| | | | 15 | Shepherd, J | A | A | P |
| | | | 16 | Dabiri, J | A | A | P |
| | | | 17 | Brady, J | A | A | P |
| | | | 18 | Scherer, A | A | A | P |
| | | | 19 | Troian, S | A | A | P |
| | | | 20 | Greer, J | A | A | P |
| | | | 21 | Daraio, C | A | A | P |
| | | | 22 | Dickinson, M | A | A | P |
| | | | 23 | Ravichandran, G | A | A | P |
| | | | 24 | Atwater, H | A | A | P |
| | | | 25 | Fultz, B | A | A | P |
| | | | 26 | Blanquart, G | A | A | P |
| | | | 27 | Andrade, J | A | A | P |
| | | | 28 | McKeon, B | A | A | P |
| | | | 29 | Hoffmann, M | A | A | P |
| | | | 30 | Asimaki, D | A | A | P |
| | | | 31 | Minnich, A | A | A | P |
| | | | MEDICAL ENGINEERING | | | | |

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|----------------------------|-------|--|---------|------------------|------------------|----------|--------------|
| MEDICAL ENGINEERING | | | | | | | |
| MedE 100C | 1-0-0 | Medical Engineering Seminar | 01 | Choo, H | R 16:10 - 16:55 | 105 ANB | P |
| E/ME/MedE 105B | 3-0-6 | Design for Freedom from Disability | 01 | Pickar, K | TR 14:30 - 15:55 | B101 BBB | |
| EE/MedE 114B | 4-0-8 | Analog Circuit Design | 01 | Pedroni, V | WF 10:00 - 11:55 | 070 MRE | |
| MedE 201B | 3-0-6 | Principles and Design of Medical Devices | 01 | Tai, Y / Choo, H | MW 14:30 - 15:55 | 080 MRE | |
| MedE 205 | 2-0-4 | New Frontiers in Medical Technologies | 01 | Nikzad, S | R 14:00 - 15:55 | 106 ANB | P |
| MedE 291 | + | Research in Medical Engineering | 01 | Burdick, J | A | A | P |
| | | | 02 | Choo, H | A | A | P |
| | | | 03 | Dabiri, J | A | A | P |
| | | | 04 | Emami, A | A | A | P |
| | | | 05 | Faraon, A | A | A | P |
| | | | 06 | Gharib, M | A | A | P |
| | | | 07 | Greer, J | A | A | P |
| | | | 08 | Hajimiri, S | A | A | P |
| | | | 09 | Scherer, A | A | A | P |
| | | | 10 | Tai, Y | A | A | P |
| | | | 11 | Yang, C | A | A | P |
| | | | 12 | Chandy, K | A | A | P |
| | | | 13 | Pickar, K | A | A | P |
| | | | 14 | Colonus, T | A | A | P |
| | | | 15 | Grubbs, R | A | A | P |
| | | | 16 | Ismagilov, R | A | A | P |
| | | | 17 | Shapiro, M | A | A | P |
| MUSIC | | | | | | | |
| Mu 029 | 3-0-6 | Harmony II <i>maximum enrollment: 25 students</i> | 01 | Neenan, T | MW 11:00 - 12:25 | 19 BAX | |

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|-----------------------------------|-------|--|---------|------------------------|------------------|---------------------|--------------|
| MUSIC | | | | | | | |
| Mu 139 | 3-0-6 | History III: Music History from 1850 to the Present <i>maximum enrollment: 20 students</i> | 01 | Neenan, T | MW 14:30 - 15:55 | 19 BAX | |
| NEUROBIOLOGY | | | | | | | |
| Bi/CNS/NB 162 | 2-7-3 | Cellular and Systems Neuroscience Laboratory <i>Maximum enrollment: 18 students</i> | 01 | Steele, A / Bremner, L | W 13:00 - 16:55 | 56 CHR | P |
| Bi/CNS/NB 185 | 2-0-4 | Large Scale Brain Networks <i>class cancelled</i> | 01 | Staff | A | A | |
| Bi/CNS/BE/NB 230 | 3-2-4 | Optogenetic and CLARITY Methods in Experimental Neuroscience <i>Maximum enrollment: 12 students</i> | 01 | Gradinaru, V | WR 10:00 - 11:55 | 152 BRN | |
| Bi/CNS/NB 250C | 3-0-6 | Topics in Systems Neuroscience | 01 | Siapas, A | F 14:00 - 16:55 | 101 KRK | |
| CNS/Bi/NB 256 | 2-0-4 | Decision Making | 01 | Andersen, R | TR 13:00 - 13:55 | 333 BBB | |
| PERFORMANCE AND ACTIVITIES | | | | | | | |
| PA 016C | 0-3-0 | Cooking Basics <i>Location: 400 S. Hill</i> | 01 | Staff | R 18:30 - 21:25 | A | P |
| PA 030C | 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 031C | 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 032C | 0-3-0 | Symphony Orchestra | 01 | Gross, A | T 19:30 - 22:15 | Ramo Auditorium BAX | P |
| PA 033C | 0-3-0 | Concert Band | 01 | Bing, W | R 19:30 - 21:45 | Ramo Auditorium BAX | P |

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|-----------------------------------|-------|---|----------|------------------------|--|---|--------------|
| PERFORMANCE AND ACTIVITIES | | | | | | | |
| PA 034C | 0-3-0 | Jazz Band | 01 | Catlin, B | M 19:15 - 20:55 M 21:15 - 22:45 | Ramo Auditorium BAX Ramo Auditorium BAX | P |
| PA 035C | 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 036C | 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 037C | 0-3-0 | Chamber Singers | 01 | Sulahian, N | W 18:00 - 18:55 | A | P |
| PA 040C | 2-0-1 | Theater Arts <i>Sec 1: Storytelling: Improvisation with New Media</i> | 01 02 | Brophy, B Brophy, B | W 19:30 - 21:55 OM,W 19:30 - 21:55 S 11:00 - 13:55 | Ramo Auditorium BAX Ramo Auditorium BAX TCT | P P |
| PA 061C | 0-3-0 | Silkscreen and Silk Painting <i>Location: 275 S. Hill - (Back House) Art Chateau</i> | 01 | Barry, J | M 19:00 - 21:55 | Garage TCT | P |
| PA 062C | 0-3-0 | Drawing and Painting <i>Location: 275 S. Hill (Art Chateau)</i> | 01 02 | Barry, J Barry, J | T 19:00 - 21:55 W 19:00 - 21:55 | Art Chateau TCT Art Chateau TCT | P P |
| PA 063C | 0-3-0 | Ceramics | 01 | Freed, S | W 19:00 - 21:55 | Ceramic Room POLY | P |
| PHILOSOPHY | | | | | | | |
| Hum/PI 008 | 3-0-6 | Right and Wrong <i>Attendance at the first class is required. // Maximum enrollment: 15 students per section. // Section 2 will meet in 127 Baxter on April 28th</i> | 01 02 | Mead, A Mead, A | T 19:00 - 21:55 R 19:00 - 21:55 | 117 DAB 117 DAB | |
| Hum/PI 009 | 3-0-6 | Knowledge and Reality <i>Attendance at the first class is required. // Maximum enrollment: 15 students</i> | 01 | Sebens, C | MWF 09:00 - 09:55 | 33 BAX | |
| PI 090B | 1-0-8 | Senior Thesis | 01 | Staff | A | A | |

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|---------------------------|-------|--|---------|------------------------|------------------|----------|--------------|
| PHILOSOPHY | | | | | | | |
| PL 098 | + | Reading in Philosophy | 01 | Quartz, S | A | A | P |
| HPS/PI 125 | 3-0-6 | Philosophical Issues in Quantum Physics <i>maximum enrollment: 15 students</i> | 01 | Sebens, C | TR 13:00 - 14:25 | 127 BAX | |
| HPS/PI 136 | 3-0-6 | Happiness and the Good Life <i>open by lottery only; see link on the REGIS home page to enter by February 24th // maximum enrollment: 15 students</i> | 01 | Quartz, S | TR 14:30 - 15:55 | 117 DAB | |
| PI/HPS 183 | 3-0-6 | Bioethics <i>maximum enrollment: 20 students in section 1 // section 2 cancelled</i> | 01 | Manning, G | T 19:00 - 21:55 | 115 DAB | |
| | | | 02 | Staff | A | A | |
| PHYSICAL EDUCATION | | | | | | | |
| PE 001 | 3-0-0 | Student Designed Fitness | 01 | Morgan, H | TR 09:00 - 10:25 | BRW | P |
| PE 003 | 3-0-0 | Hiking | 01 | Marbut, S / Murray, P | F 08:00 - 10:55 | BRW | P |
| PE 004 | 3-0-0 | Introduction to Power Walking | 01 | Hughes, R | TR 13:00 - 14:25 | TRK BAC | P |
| PE 005 | 3-0-0 | Beginning Running - Half Marathon Training | 01 | Raphelson, B | TR 13:00 - 14:25 | TRK BAC | P |
| PE 006 | 3-0-0 | Core Training, Beginning/Intermediate | 01 | Leavitt, J | TR 10:30 - 11:55 | BAC | P |
| PE 009 | 3-0-0 | Soccer | 01 | Murray, P | TR 14:30 - 15:55 | NOF BAC | P |
| PE 010 | 3-0-0 | Aerobic Dance | 01 | Hazen, K / Waterman, D | MW 19:00 - 20:25 | BAC | P |
| PE 014 | 3-0-0 | Basketball Skills, Beginning and Beginning/Intermediate | 01 | Eslinger, O | TR 14:30 - 15:55 | BAC | P |

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|---------------------------|-------|--|---------|-------------------------------|----------------------|----------|--------------|
| PHYSICAL EDUCATION | | | | | | | |
| PE 024 | 3-0-0 | Yoga, Beginning | 01 | Alvarado-Orozco, J / Flynn, K | TR 20:00 - 21:25 | BAC | P |
| PE 030 | 3-0-0 | Golf, Beginning, Intermediate, and Advanced | 01 | Carter, J | TR 10:30 - 11:55 | NOF BAC | P |
| PE 036 | 3-0-0 | Swimming, Beginning/Intermediate and Advanced | 01 | Bonafede, J | MWF 14:00 - 14:55 | Pool BRW | P |
| PE 044 | 3-0-0 | Karate (Shotokan), Beginning and Intermediate/Advanced | 01 | Teramoto, K | TR 16:00 - 17:25 | BAC | P |
| PE 050 | 3-0-0 | Badminton, Beginning/Intermediate | 01 | Gamble, M | MWF 11:00 - 11:55 | BRW | P |
| PE 054 | 3-0-0 | Racquetball, Beginning and Intermediate/Advanced | 01 | Gardner, T | MWF 14:00 - 14:55 | BAC | P |
| PE 060 | 3-0-0 | Tennis, Beginning, Intermediate, and Advanced | 01 | Eslinger, O | TR 10:30 - 11:55 | TCT BAC | P |
| PE 070 | 3-0-0 | Weight Training, Beginning/Intermediate | 01 | Mark, M | TR 09:00 - 10:25 | BAC | P |
| PE 077 | 3-0-0 | Volleyball; Beginning, Intermediate, and Advanced | 01 | Gardner, T | MWF 10:00 - 10:55 | BAC | P |
| PE 080C | 1-1-1 | Health Advocates | 01 | Stapf, M | W 19:00 - 21:55 | YHC | P |
| PE 081 | 3-0-0 | Bouldering | 01 | Held, R | TR 09:00 - 10:25 | BRW | P |
| PE 082 | 3-0-0 | Rock Climbing, Beginning and Intermediate | 01 | Held, R | TR 10:30 - 11:55 | BRW | P |
| PE 085B | 3-0-0 | Intercollegiate Track and Field Team (Men and Women) | 01 | Raphelson, B | MTWRFS 16:00 - 17:55 | TRK BAC | P |
| PE 090C | 3-0-0 | Intercollegiate Water Polo Team (Men and Women) | 01 | Bonafede, J | MTWRFS 16:00 - 18:55 | POOL BAC | P |

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| PHYSICAL EDUCATION | | | | | | | |
| PE 093B | 3-0-0 | Intercollegiate Baseball Team (Men) | 01 | Mark, M | MTWRFS 16:00 - 17:55 | NOF BAC | P |
| PE 095B | 3-0-0 | Intercollegiate Tennis Team (Men) | 01 | Gamble, M | MTWRFS 16:00 - 17:55 | TCT BAC | P |
| PE 096B | 3-0-0 | Intercollegiate Tennis Team (Women) | 01 | Gamble, M | MTWRFS 16:00 - 17:55 | TCT BAC | P |
| PHYSICS | | | | | | | |
| Ph 001C | 4-0-5 | Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track -- Sections 6-10 Analytical Track//Maximum enrollment: 30 students per section</i> | 01 | Alicea, J | MWR 15:00 - 15:55 F 15:00 - 15:55 | 11 DWN 201 BRG | G |
| | | | 02 | Alicea, J | MW 11:00 - 11:55 F 15:00 - 15:55 R 11:00 - 11:55 | 27 GTS 201 BRG 4th Fl Area DWN/LAU | G |
| | | | 03 | Alicea, J | MW 15:00 - 15:55 R 11:00 - 11:55 F 15:00 - 15:55 | 107 DWN 103 DWN 201 BRG | G |
| | | | 04 | Alicea, J | MW 13:00 - 13:55 R 11:00 - 11:55 F 15:00 - 15:55 | 11 DWN 4th Fl Area DWN/LAU 201 BRG | G |
| | | | 05 | Alicea, J | MW 11:00 - 11:55 R 11:00 - 11:55 F 15:00 - 15:55 | 107 DWN 22 GTS 201 BRG | G |
| | | | 06 | Hsieh, D / Chen, Y | WF 11:00 - 11:55 MR 11:00 - 11:55 | 201 BRG 11 DWN | G |
| | | | 07 | Hsieh, D / Chen, Y | WF 11:00 - 11:55 MR 15:00 - 15:55 | 201 BRG 27 GTS | G |
| | | | 08 | Hsieh, D / Chen, Y | WF 11:00 - 11:55 MR 11:00 - 11:55 | 201 BRG 119 DWN | G |
| | | | 09 | Hsieh, D / Chen, Y | WF 11:00 - 11:55 MR 11:00 - 11:55 | 201 BRG 119 KRK | G |
| | | | 10 | Hsieh, D / Chen, Y | WF 11:00 - 11:55 | 201 BRG | G |

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| PHYSICS | | | | | | | |
| Ph 001C | 4-0-5 | Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track -- Sections 6-10 Analytical Track//Maximum enrollment: 30 students per section</i> | 10 | Hsieh, D / Chen, Y | MR 15:00 - 15:55 | 119 DWN | G |
| Ph 002C | 4-0-5 | Waves, Quantum Mechanics, and Statistical Physics | 01 | Filippone, B | T 11:00 - 11:55 WF 10:00 - 10:55 R 11:00 - 11:55 | 201 BRG 103 DWN 269 LAU | |
| | | | 02 | Filippone, B | T 11:00 - 11:55 WF 11:00 - 11:55 R 11:00 - 11:55 | 201 BRG 103 DWN 269 LAU | |
| | | | 03 | Filippone, B | T 11:00 - 11:55 WF 13:00 - 13:55 R 11:00 - 11:55 | 201 BRG 103 DWN 269 LAU | |
| | | | 04 | Filippone, B | T 11:00 - 11:55 WF 14:00 - 14:55 R 11:00 - 11:55 | 201 BRG 103 DWN 269 LAU | |
| | | | 05 | Filippone, B | T 11:00 - 11:55 WF 15:00 - 15:55 R 11:00 - 11:55 | 201 BRG 119 DWN 269 LAU | |
| Ph 003 | 0-3-3 | Physics Laboratory <i>Maximum enrollment: 24 students per section</i> | 01 | Black, E / Libbrecht, K | W 13:00 - 15:55 OM,M 13:00 - 13:55 | 308 BRG 201 BRG | |
| | | | 02 | Libbrecht, K / Black, E | R 13:00 - 15:55 OM,M 13:00 - 13:55 | 308 BRG 201 BRG | |
| | | | 03 | Libbrecht, K / Black, E | F 13:00 - 15:55 OM,M 13:00 - 13:55 | 308 BRG 201 BRG | |
| Ph 007 | 0-9-0 | Physics Laboratory | 01 | Rice, F / Politzer, H | OM,T 15:00 - 15:55 | 201 BRG | G |
| Ph 008C | 0-3-0 | Experiments in Electromagnetism | 01 | Spiropulu, M | A | A | P |
| FS/Ph 011C | 2-0-4 | Freshman Seminar: Research Tutorial | 01 | Phillips, R | A | 201 SLN | P |

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| PHYSICS | | | | | | | |
| Ph 012C | 4-0-5 | Waves, Quantum Physics, and Statistical Mechanics | 01 | Preskill, J | T 10:30 - 11:55 R 10:30 - 11:55 | 269 LAU 201 BRG | G |
| Ph 020 | 0-6-0 | Computational Physics Laboratory I | 01 | Mach, C / Weinstein, A | OM,M 15:00 - 15:55 | 304 BRG | P |
| Ph 021 | 0-6-0 | Computational Physics Laboratory II | 01 | Mach, C / Weinstein, A | OM,M 15:00 - 15:55 | 304 BRG | P |
| Ph 022 | 0-6-0 | Computational Physics Laboratory III | 01 | Mach, C / Weinstein, A | OM,M 15:00 - 15:55 | 304 BRG | P |
| Ph 070 | 2-0-4 | Oral and Written Communication | 01 | Hitlin, D | T 14:00 - 15:55 | 469 LAU | G |
| Ph 077A | 0-5-4 | Advanced Physics Laboratory | 01 | Black, E / Libbrecht, K | OM,M 15:00 - 15:55 | 210 BRG | |
| Ph 077B | 0-5-4 | Advanced Physics Laboratory | 01 | Black, E / Libbrecht, K | OM,M 15:00 - 15:55 | 210 BRG | |
| Ph 077C | 0-5-4 | Advanced Physics Laboratory | 01 | Black, E / Libbrecht, K | OM,M 15:00 - 15:55 | 210 BRG | |
| Ph 078C | 9-0-0 | Senior Thesis, Experimental | 01 | Stone, E | A | A | G |
| Ph 079C | 9-0-0 | Senior Thesis, Theoretical | 01 | Stone, E | A | A | G |
| Ay/Ph 104 | 3-0-6 | Relativistic Astrophysics | 01 | Kasliwal, M | TR 09:00 - 10:25 | 219 CHL | |
| Ph 106C | 3-0-6 | Topics in Classical Physics | 01 | Golwala, S | TR 10:30 - 11:55 | 107 DWN | |
| APh/Ph/Ae 116 | 3-0-9 | Physics of Thermal and Mass Transport in Hydrodynamic Systems <i>make-up classes will be held on Fridays from 1-2:30 in Watson 104</i> | 01 | Troian, S | TR 13:00 - 14:25 | 104 WAT | |

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| PHYSICS | | | | | | | |
| Ph/APh/EE/BE 118C | 3-0-6 | Physics of Measurement | 01 | Yeh, N | TR 14:30 - 15:55 | 107 DWN | P |
| Ph 125C | 3-0-6 | Quantum Mechanics | 01 | Cheung, C | MWF 10:00 - 10:55 | 107 DWN | |
| Ph 127C | 3-0-6 | Statistical Physics | 01 | Refael, G | MW 13:00 - 14:25 | 107 DWN | |
| Ph 129C | 3-0-6 | Mathematical Methods of Physics <i>Probability and Statistics</i> | 01 | Porter, F | TR 09:00 - 10:25 | 107 DWN | |
| Ph 135C | 3-0-6 | Applications of Quantum Mechanics <i>class will meet in 351 W. Bridge on 3/31, 4/28, 5/12 & 5/17</i> | 01 | Kimble, H | TR 13:00 - 14:25 | 114 EBRG | |
| Ph 171 | + | Reading and Independent Study | 01 | Thorne, K | A | A | P |
| | | | 02 | Cheung, C | A | A | P |
| | | | 03 | Refael, G | A | A | P |
| | | | 04 | Wilson, R | A | A | P |
| | | | 05 | Roukes, M | A | A | P |
| | | | 06 | Phillips, R | A | A | P |
| | | | 07 | Wise, M | A | A | P |
| | | | 08 | Yeh, N | A | A | P |
| | | | 09 | Wilson, R | A | A | P |
| | | | 10 | Simon, B | A | A | P |
| | | | 11 | Motrunich, O | A | A | P |
| | | | 12 | Chen, Y | A | A | P |
| | | | 13 | Phinney, E | A | A | P |
| | | | 14 | Porter, F | A | A | P |
| | | | 15 | Troian, S | A | A | P |
| | | | 16 | Libbrecht, K | A | A | P |
| | | | 17 | Alicea, J | A | A | P |
| | | | 18 | Carroll, S | A | A | P |
| | | | 19 | Desbrun, M | A | A | P |
| | | | 22 | Gukov, S | A | A | P |
| | | | 23 | Schwarz, J | A | A | P |

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|-----------------|-------|----------------------------------|---------|---------------|-----------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 171 | + | Reading and Independent Study | 27 | Oguri, H | A | A | P |
| | | | 35 | Politzer, H | A | A | P |
| | | | 46 | Kapustin, A | A | A | P |
| | | | 54 | Preskill, J | A | A | P |
| | | | 55 | Cross, M | A | A | P |
| | | | 56 | Eisenstein, J | A | A | P |
| | | | 57 | Weinstein, A | A | A | P |
| | | | 58 | Chen, X | A | A | P |
| | | | 59 | Ott, C | A | A | P |
| Ph 172 | + | Research in Experimental Physics | 01 | Barish, B | A | A | P |
| | | | 02 | Martin, C | A | A | P |
| | | | 03 | Painter, O | A | A | P |
| | | | 04 | Haile, S | A | A | P |
| | | | 05 | Bellan, P | A | A | P |
| | | | 06 | Porter, F | A | A | P |
| | | | 07 | Patterson, R | A | A | P |
| | | | 08 | Roukes, M | A | A | P |
| | | | 09 | Scherer, A | A | A | P |
| | | | 10 | Readhead, A | A | A | P |
| | | | 11 | Hitlin, D | A | A | P |
| | | | 12 | Flagan, R | A | A | P |
| | | | 13 | Eisenstein, J | A | A | P |
| | | | 14 | Fraser, S | A | A | P |
| | | | 15 | Atwater, H | A | A | P |
| | | | 16 | Heath, J | A | A | P |
| | | | 17 | Winfrey, E | A | A | P |
| | | | 18 | Adhikari, R | A | A | P |
| | | | 19 | Troian, S | A | A | P |
| | | | 20 | Harrison, F | A | A | P |
| | | | 21 | Phillips, R | A | A | P |
| | | | 22 | Patterson, R | A | A | P |
| | | | 23 | Bock, J | A | A | P |
| | | | 24 | Hsieh, D | A | A | P |

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|-----------------|-----------|----------------------------------|---------|---------------|-----------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 172 | + | Research in Experimental Physics | 25 | Okumura, M | A | A | P |
| | | | 26 | Rosenbaum, T | A | A | P |
| | | | 27 | Prince, T | A | A | P |
| | | | 28 | Stone, E | A | A | P |
| | | | 35 | Newman, H | A | A | P |
| | | | 36 | Rice, F | A | A | P |
| | | | 43 | Yeh, N | A | A | P |
| | | | 45 | Libbrecht, K | A | A | P |
| | | | 46 | Filippone, B | A | A | P |
| | | | 49 | Kimble, H | A | A | P |
| | | | 51 | Zmuidzinas, J | A | A | P |
| | | | 52 | Zewail, A | A | A | P |
| | | | 53 | Weinstein, A | A | A | P |
| | | | 57 | Golwala, S | A | A | P |
| | | | 58 | Spiropulu, M | A | A | P |
| 59 | Schwab, K | A | A | P | | | |
| Ph 173 | + | Research in Theoretical Physics | 01 | Hopkins, P | A | A | P |
| | | | 02 | Gukov, S | A | A | P |
| | | | 03 | Carroll, S | A | A | P |
| | | | 04 | Thorne, K | A | A | P |
| | | | 05 | Yeh, N | A | A | P |
| | | | 06 | Refael, G | A | A | P |
| | | | 07 | Martin, C | A | A | P |
| | | | 08 | Kapustin, A | A | A | P |
| | | | 09 | Oguri, H | A | A | P |
| | | | 10 | Marcus, R | A | A | P |
| | | | 11 | Chen, Y | A | A | P |
| | | | 12 | Porter, F | A | A | P |
| | | | 13 | Simon, B | A | A | P |
| | | | 14 | Ott, C | A | A | P |
| | | | 15 | Goddard, W | A | A | P |
| | | | 16 | Schwarz, J | A | A | P |
| | | | 17 | Hirata, C | A | A | P |

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|-----------------|-------------|-----------------------------------|---------|--------------|------------------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 173 | + | Research in Theoretical Physics | 18 | Motrunich, O | A | A | P |
| | | | 19 | Alicea, J | A | A | P |
| | | | 20 | Cheung, C | A | A | P |
| | | | 21 | Prince, T | A | A | P |
| | | | 22 | Atwater, H | A | A | P |
| | | | 23 | Scheel, M | A | A | P |
| | | | 24 | Kitaev, A | A | A | P |
| | | | 25 | Troian, S | A | A | P |
| | | | 26 | Scheel, M | A | A | P |
| | | | 27 | Libbrecht, K | A | A | P |
| | | | 28 | Yue, Y | A | A | P |
| | | | 29 | Cross, M | A | A | P |
| | | | 30 | Chen, X | A | A | P |
| | | | 37 | Wise, M | A | A | P |
| | | | 39 | Preskill, J | A | A | P |
| | | | 44 | Phinney, E | A | A | P |
| | | | 45 | Scoville, N | A | A | P |
| | | | 57 | Filippone, B | A | A | P |
| | | | 59 | Phillips, R | A | A | P |
| | | | 61 | Zewail, A | A | A | P |
| 62 | Bernardi, M | A | A | P | | | |
| Ph 205C | 3-0-6 | Relativistic Quantum Field Theory | 01 | Wise, M | MW 10:30 - 11:55 | 269 LAU | |
| Ph/CS 219C | 3-0-6 | Quantum Computation | 01 | Kitaev, A | MW 14:30 - 15:55 | 269 LAU | P |
| Ph/APh 223B | 3-0-6 | Advanced Condensed-Matter Physics | 01 | Motrunich, O | MW 09:00 - 10:25 | 269 LAU | |
| Ph 230C | 3-0-6 | Elementary Particle Theory | 01 | Kapustin, A | MW 09:00 - 10:25 | 469 LAU | P |
| Ph 237 | 3-0-6 | Gravitational Waves | 01 | Chen, Y | TR 14:30 - 15:55 | 269 LAU | |

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|-----------------|-------|-----------------|---------|---------------|-----------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 300 | + | Thesis Research | 01 | Eisenstein, J | A | A | P |
| | | | 02 | Libbrecht, K | A | A | P |
| | | | 03 | Oguri, H | A | A | P |
| | | | 04 | Cheung, C | A | A | P |
| | | | 05 | Hitlin, D | A | A | P |
| | | | 06 | Goddard, W | A | A | P |
| | | | 07 | Thorne, K | A | A | P |
| | | | 08 | Atwater, H | A | A | P |
| | | | 09 | Roukes, M | A | A | P |
| | | | 10 | Golwala, S | A | A | P |
| | | | 11 | Martin, C | A | A | P |
| | | | 12 | Adhikari, R | A | A | P |
| | | | 13 | Harrison, F | A | A | P |
| | | | 14 | Weinstein, A | A | A | P |
| | | | 15 | Marcolli, M | A | A | P |
| | | | 16 | Barish, B | A | A | P |
| | | | 17 | Desbrun, M | A | A | P |
| | | | 18 | Newman, H | A | A | P |
| | | | 19 | Kitaev, A | A | A | P |
| | | | 20 | Filippone, B | A | A | P |
| | | | 21 | Gharib, M | A | A | P |
| | | | 22 | Wilson, R | A | A | P |
| | | | 23 | Daraio, C | A | A | P |
| | | | 24 | Fraser, S | A | A | P |
| | | | 25 | Marcus, R | A | A | P |
| | | | 26 | Winfree, E | A | A | P |
| | | | 27 | Cross, M | A | A | P |
| | | | 28 | Gukov, S | A | A | P |
| | | | 29 | McKeown, R | A | A | P |
| | | | 30 | Refael, G | A | A | P |
| | | | 31 | Phinney, E | A | A | P |
| | | | 32 | Lester, H | A | A | P |
| | | | 33 | Ott, C | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--------------------------|--------------|-----------------------------------|---------|---------------|-------------------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 300 | + | Thesis Research | 34 | Bock, J | A | A | P |
| | | | 35 | Painter, O | A | A | P |
| | | | 36 | Schwab, K | A | A | P |
| | | | 37 | Kapustin, A | A | A | P |
| | | | 38 | Phillips, T | A | A | P |
| | | | 39 | Chen, Y | A | A | P |
| | | | 40 | Prince, T | A | A | P |
| | | | 41 | Wise, M | A | A | P |
| | | | 42 | Kimble, H | A | A | P |
| | | | 43 | Trojan, S | A | A | P |
| | | | 46 | Preskill, J | A | A | P |
| | | | 47 | Yeh, N | A | A | P |
| | | | 51 | Phillips, R | A | A | P |
| | | | 52 | Porter, F | A | A | P |
| | | | 53 | Bellan, P | A | A | P |
| | | | 54 | Zewail, A | A | A | P |
| | | | 55 | Hirata, C | A | A | P |
| | | | 58 | Psaltis, D | A | A | P |
| | | | 60 | Zmuidzinas, J | A | A | P |
| | | | 62 | Heath, J | A | A | P |
| 63 | Kennedy, M | A | A | P | | | |
| 65 | Schwarz, J | A | A | P | | | |
| 70 | Stone, E | A | A | P | | | |
| 73 | Ellis, R | A | A | P | | | |
| 74 | Spiropulu, M | A | A | P | | | |
| 75 | Motrunich, O | A | A | P | | | |
| 76 | Carroll, S | A | A | P | | | |
| 77 | Alicea, J | A | A | P | | | |
| POLITICAL SCIENCE | | | | | | | |
| PS 012 | 3-0-6 | Introduction to Political Science | 01 | Kiewiet, D | MWF 13:00 - 13:55 | 25 BAX | |

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|--------------------------|-------|---|---------|---------------------------|------------------|------------------|--------------|
| POLITICAL SCIENCE | | | | | | | |
| PS 097 | + | Undergraduate Research | 01 | Alvarez, R | A | A | P |
| | | | 02 | Kiewiet, D | A | A | P |
| PS 099A | 3-0-6 | Political Science Research Seminar <i>Designated as Writing Intensive Course</i> | 01 | Ordeshook, P | A | A | |
| PS 099B | 3-0-6 | Political Science Research Seminar <i>Designated as Writing Intensive Course</i> | 01 | Kiewiet, D | A | A | |
| PS 120 | 3-0-6 | American Electoral Behavior and Party Strategy <i>class cancelled</i> | 01 | Staff | A | A | G |
| An/PS 127 | 3-0-6 | Corruption <i>class closed</i> | 01 | Ensminger, J | MW 14:30 - 15:55 | 25 BAX | G |
| PS 141B | 3-0-6 | A History of Budgetary Politics in the United States <i>Designated as Writing Intensive Course // Maximum enrollment: 50 students // class will meet in Baxter Lecture Hall on 4/14, 5/12, 5/17 and 5/31</i> | 01 | Kiewiet, D | TR 14:30 - 15:55 | 101 GUG | G |
| Law/PS/H 148B | 3-0-6 | The Supreme Court in U.S. History <i>Law/PS/H 148a is a prerequisite // maximum enrollment: 30 students</i> | 01 | Kousser, J | T 19:30 - 22:25 | 128 BAX | G |
| Ec/PS 160C | 3-3-3 | Laboratory Experiments in the Social Sciences <i>Taught concurrently with SS 260 // Completion of Ec/PS 160AB required.//Maximum enrollment: 10 students</i> | 01 | Plott, C | TR 09:00 - 10:25 | 125 BAX | G |
| PS/Ec 172 | 3-0-6 | Game Theory | 01 | Tamuz, O | MW 09:00 - 10:25 | Lecture Hall BAX | |
| PSYCHOLOGY | | | | | | | |
| Psy015 | 3-0-6 | Social Psychology <i>Maximum enrollment: 30 students</i> | 01 | Stanley, D | TR 13:00 - 14:25 | 25 BAX | |
| CNS/SS/Psy/Bi 102B | 3-0-6 | Brains, Minds, and Society | 01 | Camerer, C / O'Doherty, J | MW 14:30 - 15:55 | 125 BAX | |

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|-----------------------|-----------|---|---------|---------------------------|-------------------|----------|--------------|
| PSYCHOLOGY | | | | | | | |
| CNS/SS/Psy 110A | 1.5-0-3.5 | Cognitive Neuroscience Tools <i>Undergraduates need instructor's permission to enroll // course cannot be used to fulfill the Adv SS Institute requirement</i> | 01 | Rangel, A | F 12:00 - 13:55 | 33 BAX | P |
| SOCIAL SCIENCE | | | | | | | |
| SS 098 | + | Reading in Social Science | 01 | Staff | A | A | P |
| CNS/SS/Psy/Bi 102B | 3-0-6 | Brains, Minds, and Society | 01 | Camerer, C / O'Doherty, J | MW 14:30 - 15:55 | 125 BAX | |
| CNS/SS/Psy 110A | 1.5-0-3.5 | Cognitive Neuroscience Tools <i>Undergraduates need instructor's permission to enroll // course cannot be used to fulfill the Adv SS Institute requirement</i> | 01 | Rangel, A | F 12:00 - 13:55 | 33 BAX | P |
| Ec/SS 130 | 3-0-6 | Economic History of Europe from the Middle Ages to the Twentieth Century <i>Designated as Writing Intensive Course // Maximum enrollment: 25 students</i> | 01 | Hoffman, P | TR 10:30 - 11:55 | 127 BAX | G |
| SS 201C | 3-0-6 | Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i> | 01 | Echenique, F | MWF 09:00 - 09:55 | 125 BAX | G |
| SS 202C | 3-0-6 | Political Theory <i>Open to Social Science graduate students only.</i> | 01 | Alvarez, R | T 13:00 - 15:55 | 19 BAX | G |
| SS 205C | 3-0-6 | Foundations of Economics <i>Open to Social Science graduate students only.</i> | 01 | Palfrey, T | TR 09:00 - 10:25 | 127 BAX | G |
| SS 210A | 3-0-6 | Foundations of Political Economy | 01 | Yariv, L | TR 10:30 - 11:55 | 125 BAX | G |
| SS 211C | 3-0-6 | Advanced Economic Theory | 01 | Yariv, L | TR 14:30 - 15:55 | 33 BAX | G |
| SS 215 | 3-0-6 | Asset Pricing Theory | 01 | Jin, J | TR 13:00 - 14:25 | 125 BAX | G |

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| SOCIAL SCIENCE | | | | | | | |
| SS 222C | 3-0-6 | Econometrics <i>Open to Social Science graduate students only.</i> | 01 | Sherman, R | TR 10:30 - 11:55 | 19 BAX | G |
| SS 260 | 3-3-3 | Experimental Methods of Political Economy | 01 | Plott, C | TR 09:00 - 10:25 | 125 BAX | G |
| SS 282C | 2-0-1 | Graduate Proseminar in Social Science | 01 | Echenique, F | M 14:30 - 15:55 | 127 BAX | P |
| SS 300 | + | Research in Social Science | 01 | Cvitanic, J | A | A | P |
| | | | 02 | Snowberg, E | A | A | P |
| | | | 03 | Echenique, F | A | A | P |
| | | | 04 | Hoffman, P | A | A | P |
| | | | 05 | Ledyard, J | A | A | P |
| | | | 06 | Katz, J | A | A | P |
| | | | 07 | Hoffman, P | A | A | P |
| | | | 08 | Bossaerts, P | A | A | P |
| | | | 09 | Camerer, C | A | A | P |
| | | | 10 | Lester, H | A | A | P |
| | | | 11 | Palfrey, T | A | A | P |
| | | | 12 | Kiewiet, D | A | A | P |
| | | | 13 | Wilkie, S | A | A | P |
| | | | 14 | Alvarez, R | A | A | P |
| | | | 15 | Plott, C | A | A | P |
| | | | 18 | Rosenthal, J | A | A | P |
| | | | 19 | Shum, M | A | A | P |
| | | | 20 | Rangel, A | A | A | P |
| | | | 21 | Yariv, L | A | A | P |
| | | | 22 | Gillen, B | A | A | P |
| | | | 23 | O'Doherty, J | A | A | P |
| | | | 24 | Perona, P | A | A | P |
| | | | 25 | Adolphs, R | A | A | P |
| | | | 26 | Shimojo, S | A | A | P |
| | | | 27 | Jin, J | A | A | P |
| STUDY ABROAD | | | | | | | |

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| 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 |
| WRITING | | | | | | | |
| Wr 050 | + | Tutorial in Writing | 01 | Hall, S | A | A | P |
| En/Wr 084 | 3-0-6 | Writing About Science <i>maximum enrollment: 15 students // graduate students by instructor's permission only</i> | 01 | Hall, S | TR 13:00 - 14:25 | 33 BAX | |