

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

| | | | |
|---------|--|----------|---|
| ALLES | Alles Laboratory | HAM | Hameetman Center |
| ANB | Annenberg Center for Information Science and Technology | JRG | Jorgensen Laboratory |
| ARM | Arms Laboratory of Geological Sciences | KCK | Keck Engineering Laboratory |
| AVE | Avery House | KRK | Kerckhoff Laboratory of Biological Sciences |
| BAC | Braun Athletic Center | KSP | Keith Spaulding Building |
| BAX | Baxter Hall of Humanities and Social Services | LAU | Lauritsen Physics Laboratory |
| BBB | Beckman Laboratory of Behavioral Biology | LINDE | Ronald and Maxine Linde Hall of Mathematics and Physics |
| BCK | Beckman Institute | LLB | Ronald and Maxine Linde Laboratory for Global Environmental Science |
| BCK AUD | Beckman Auditorium | MLKN | Robert A. Millikan Memorial Building |
| BRD | Broad Center | MRE | Moore Laboratory |
| BRG | Bridge Laboratory of Physics | NMD | North Mudd Building of Geological Sciences |
| BRN | Braun Laboratory | NYS | Noyes Laboratory of Chemical Physics |
| BRW | Brown Gym | NewMedia | NewMedia Classroom |
| CHL | Cahill Center for Astronomy and Astrophysics | POLY | Polytechnic School |
| CHR | Church Laboratory of Chemical Biology | PWB | Powell/Booth Laboratory |
| CNRB | Tianqiao and Chrissy Chen Neuroscience Research Building | REMOTE | |
| CRL | Crellin Chemistry Laboratory | RSC | Resnick Sustainability Center |
| CSS | Center for Student Services | SCH | Schlinger Laboratory |
| Caltech | | SFL | Sherman Fairchild Library |
| DAB | Dabney Hall of Humanities | SMD | South Mudd Building of Geophysics and Planetary Sciences |
| DWN | Downs Physics Laboratory | SPL | Spaulding Laboratory of Chemical Engineering |
| FIR | Firestone Flight Science Laboratory | STL | Steele Laboratory of Electrical Engineering |
| GCL | Gates Chemical Laboratory | TCT | Theater Arts at Caltech (TACIT) |
| GTL | Gates-Thomas Engineering Laboratory | WAT | Watson Laboratory of Applied Physics |
| GUG | Guggenheim Laboratory | YHC | Young Health Center |

GRADING SCHEME

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

TIMES/LOCATION/UNITS

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

DAYS OF THE WEEK

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

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-------------------|-------|--|---------|-----------------|-------------------|----------|--------------|
| AEROSPACE | | | | | | | |
| Ae 100 | + | Research in Aerospace | 01 | Rosakis, A | 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 | Blanquart, G | A | A | P |
| | | | 08 | Daraio, C | A | A | P |
| | | | 09 | Shepherd, J | A | A | P |
| | | | 10 | Gharib, M | A | A | P |
| | | | 11 | Chung, S | A | A | P |
| | | | 12 | Pellegrino, S | A | A | P |
| | | | 13 | Bae, H | A | A | P |
| | | | 14 | Austin, J | A | A | P |
| Ae/APh/CE/ME 101C | 3-0-6 | Fluid Mechanics | 01 | Colonus, T | MWF 10:00 - 10:55 | 135 GTL | |
| Ae/AM/CE/ME 102C | 3-0-6 | Mechanics of Structures and Solids | 01 | Pellegrino, S | TR 09:00 - 10:25 | 133 GUG | G |
| Ae/APh 104C | 0-6-3 | Experimental Methods | 01 | Dabiri, J | A | A | G |
| Ae 105C | 0-8-1 | Space Engineering | 01 | Watkins, M | TR 14:30 - 15:55 | 232 GUG | G |
| Ae 121C | 3-0-6 | Space Propulsion | 01 | Polk, J | TR 13:00 - 14:25 | 232 GUG | |
| Ae 150C | 1-0-0 | Aerospace Engineering Seminar | 01 | Austin, J | M 13:00 - 13:55 | 133 GUG | P |
| APh/Ph/Ae/MS 153 | 3-0-6 | Fundamentals of Energy and Mass Transport in Small Scale Systems | 01 | Troian, S | TR 14:30 - 15:55 | 111 KCK | |
| 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 | Chung, S | A | A | P |
| | | | 22 | Blanquart, G | A | A | P |
| | | | 24 | Greer, J | A | A | P |
| | | | 25 | Gurnis, M | A | A | P |
| | | | 26 | Minnich, A | A | A | P |
| | | | 28 | Austin, J | A | A | P |
| | | | 29 | Kulkarni, S | A | A | P |
| | | | 30 | Meiron, D | A | A | P |
| | | | 31 | Burdick, J | A | A | P |
| | | | 32 | Asimaki, D | A | A | P |
| | | | 33 | Hunt, M | A | A | P |
| | | | 34 | Dickinson, M | A | A | P |
| | | | 35 | Mawet, D | A | A | P |
| | | | 36 | Dabiri, J | A | A | P |
| | | | 37 | Bae, H | A | A | P |

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| AEROSPACE | | | | | | | |
| Ae 200 | + | Advanced Research in Aerospace | 38 | Kornfield, J | A | A | P |
| | | | 39 | Lozano Duran, A | A | A | P |
| Ae 204A | 3-0-6 | Technical Fluid Mechanics | 01 | Gharib, M | MW 10:00 - 11:25 | 232 GUG | |
| Ae 208C | 1-0-0 | GALCIT Colloquium | 01 | Meiron, D | F 15:00 - 15:55 | 133 GUG | P |
| Ae 234A | 3-0-6 | Hypersonic Aerodynamics | 01 | Austin, J / Shepherd, J | TR 10:30 - 11:55 | 390 FIR | P |
| Ae 239A | 3-0-6 | Turbulence | 01 | Bae, H | TR 14:30 - 15:55 | 384 FIR | |
| Ae 240 | + | Special Topics in Fluid Mechanics <i>Section 1: Educational Exchange (Pass-Fail only)</i> | 01 | Austin, J | A | A | P |
| ANTHROPOLOGY | | | | | | | |
| An 097 | + | Undergraduate Research | 01 | Staff | A | A | P |
| APPLIED & COMPUTATIONAL MATH | | | | | | | |
| ACM011 | 2-2-2 | Introduction to Computational Science and Engineering | 01 | Baptista, R | M 14:00 - 15:55 | 104 ANB | G |
| ACM080C | + | Undergraduate Thesis | 01 | Anandkumar, A | A | A | P |
| | | | 02 | Bruno, O | A | A | P |
| ACM081C | + | Undergraduate Projects in Applied and Computational Mathematics | 01 | Chandrasekaran, V | A | A | P |
| | | | 02 | Zuev, K | A | A | P |
| | | | 03 | Leong, O | A | A | P |
| | | | 04 | Wierman, A | A | A | P |
| | | | 05 | Hoffmann, F | A | A | P |
| | | | 06 | Stuart, A | A | A | P |
| | | | 07 | Bruno, O | A | A | P |
| | | | 08 | Tropp, J | A | A | P |

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|---|-------|--|---------|----------------------------|-------------------|------------------|--------------|
| APPLIED & COMPUTATIONAL MATH | | | | | | | |
| ACM081C | + | Undergraduate Projects in Applied and Computational Mathematics | 09 | Chung, S | A | A | P |
| ACM095B | 4-0-8 | Introductory Methods of Applied Mathematics for the Physical Sciences <i>class meets in KRK 125 on Friday 4/12 & 4/26</i> | 01 | Meiron, D | MWF 11:00 - 12:15 | Lecture Hall BAX | |
| ACM100B | 4-0-8 | Introductory Methods of Applied Mathematics for the Physical Sciences <i>class meets in KRK 125 on Friday 4/12 & 4/26</i> | 01 | Meiron, D | MWF 11:00 - 12:15 | Lecture Hall BAX | |
| AM/ACM 127 | 3-0-6 | Calculus of Variations <i>Letter grade only. Pass-Fail in exceptional circumstances with approval of the instructor.</i> | 01 | Bhattacharya, K | TR 14:30 - 15:55 | 115 GTL | |
| Ma/ACM 142B | 3-0-6 | Ordinary and Partial Differential Equations | 01 | Looi, S | TR 09:00 - 10:25 | 187 LINDE | |
| IDS/ACM/CS 157 | 3-2-4 | Statistical Inference | 01 | Zuev, K | TR 09:00 - 10:25 | Lecture Hall BAX | |
| ACM190 | + | Reading and Independent Study | 01 | Bruno, O | A | A | P |
| | | | 02 | Baptista, R | A | A | P |
| | | | 03 | Hoffmann, F | A | A | P |
| | | | 04 | Winston, K | A | A | P |
| ACM201 | 4-0-8 | Partial Differential Equations <i>class cancelled</i> | 01 | Staff | A | A | G |
| ACM217 | 3-0-6 | Advanced Topics in Probability: Free Probability <i>class cancelled - to be offered as ACM270 this term</i> | 01 | Staff | A | A | P |
| ACM270 | 3-0-6 | Advanced Topics in Applied and Computational Math <i>Sec 1: Machine Learning In Inverse Problems and Data Assimilation // Sec 2: Free Probability (Pass-Fail only) // Sec 3: Partial Differential Equations and Computational Mean Field Games (Letter grades only)</i> | 01 | Stuart, A / Bach, E | TR 09:00 - 10:25 | 213 ANB | |
| | | | 02 | Tropp, J / Garza Vargas, J | MW 10:00 - 11:25 | 213 ANB | |
| | | | 03 | Yang, X | TR 10:30 - 11:55 | 213 ANB | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|---|-------|---|---------|---------------------------------|------------------|----------|--------------|
| APPLIED & COMPUTATIONAL MATH | | | | | | | |
| ACM300 | + | Research in Applied and Computational Mathematics | 01 | Bruno, O | A | A | P |
| | | | 02 | Chandrasekaran, V | A | A | P |
| | | | 03 | Hoffmann, F | A | A | P |
| | | | 04 | Hou, Y | A | A | P |
| | | | 05 | Tropp, J | A | A | P |
| | | | 06 | Meiron, D | A | A | P |
| | | | 07 | Stuart, A | 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 |
| APPLIED MECHANICS | | | | | | | |
| Ae/AM/CE/ME 102C | 3-0-6 | Mechanics of Structures and Solids | 01 | Pellegrino, S | TR 09:00 - 10:25 | 133 GUG | G |
| AM/ACM 127 | 3-0-6 | Calculus of Variations <i>Letter grade only. Pass-Fail in exceptional circumstances with approval of the instructor.</i> | 01 | Bhattacharya, K | TR 14:30 - 15:55 | 115 GTL | |
| AM/CE/ME 150C | 1-0-0 | Graduate Engineering Seminar | 01 | Lapusta, N | R 11:00 - 11:55 | 135 GTL | P |
| AM/CE 151 | 3-0-6 | Dynamics and Vibration | 01 | Lavrentiadis, G / Asimaki, D | TR 13:00 - 14:25 | 115 GTL | |
| AM 300 | + | Research in Applied Mechanics | 01 | Lapusta, N | 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 |
| | | | 09 | Fu, X | A | A | P |
| | | | 10 | Greer, J | A | A | P |

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|------------------------|-------|--|---------|-------------|------------------|----------|--------------|
| APPLIED PHYSICS | | | | | | | |
| APh/EE 024 | 3-0-6 | Introductory Optics and Photonics Laboratory | 01 | Vahala, K | TR 09:00 - 10:25 | 133 STL | |
| APh078C | 0-9-0 | Senior Thesis, Experimental | 01 | Atwater, H | A | A | |
| | | | 02 | Painter, O | A | A | |
| | | | 03 | Yung, Y | A | A | |
| | | | 04 | Scherer, A | A | A | |
| | | | 05 | Vahala, K | A | A | |
| | | | 06 | Bellan, P | A | A | |
| | | | 07 | Troian, S | A | A | |
| | | | 08 | Phillips, R | A | A | |
| | | | 09 | Faraon, A | A | A | |
| | | | 10 | Schwab, K | A | A | |
| | | | 11 | Endres, M | A | A | |
| | | | 12 | Hajimiri, S | A | A | |
| | | | 13 | Fultz, B | A | A | |
| APh079C | 0-9-0 | Senior Thesis, Theoretical | 01 | Phillips, R | A | A | G |
| | | | 02 | Troian, S | A | A | G |
| | | | 03 | Kimble, H | 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 |
| | | | 14 | Hajimiri, S | A | A | P |
| | | | 15 | Hajimiri, S | A | A | P |

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|------------------------|-------|--|---------|------------------------|--------------------|-----------|--------------|
| APPLIED PHYSICS | | | | | | | |
| APh100 | + | Advanced Work in Applied Physics | 16 | Falson, J | A | A | P |
| | | | 17 | Falson, J | A | A | P |
| | | | 18 | Marandi, A | A | A | P |
| Ae/APh/CE/ME 101C | 3-0-6 | Fluid Mechanics | 01 | Colonus, T | MWF 10:00 - 10:55 | 135 GTL | |
| Ae/APh 104C | 0-6-3 | Experimental Methods | 01 | Dabiri, J | A | A | G |
| APh/MS/ME 105C | 3-0-6 | States of Matter | 01 | Falson, J | TR 10:30 - 11:55 | 104 WAT | |
| APh/EE 109 | 0-6-3 | Introduction to the Micro/Nanofabrication Lab | 01 | Ghaffari, A | OM,W 16:00 - 16:55 | 104 WAT | |
| APh114C | 3-0-6 | Solid-State Physics | 01 | Schwab, K | MWF 09:00 - 09:55 | 104 WAT | |
| Ph/APh/EE/BE 118A | 3-0-6 | Physics of Measurement | 01 | Roukes, M | TR 14:30 - 15:55 | 387 LINDE | |
| APh119 | 1-4-1 | Nanofabrication Techniques | 01 | Scherer, A | R 13:00 - 13:55 | 142 KCK | |
| APh/Ph 138B | 3-0-6 | Quantum Hardware and Techniques | 01 | Faraon, A / Minnich, A | TR 14:30 - 15:55 | 142 KCK | P |
| APh/Ph/Ae/MS 153 | 3-0-6 | Fundamentals of Energy and Mass Transport in Small Scale Systems | 01 | Troian, S | TR 14:30 - 15:55 | 111 KCK | |
| APh156C | 3-0-6 | Plasma Physics | 01 | Bellan, P | MW 14:30 - 15:55 | 104 WAT | |
| APh/EE 183 | 3-0-6 | Physics of Semiconductors and Semiconductor Devices | 01 | Nad Perge, S | TR 13:00 - 14:25 | 104 WAT | |
| APh200 | + | Applied Physics Research | 01 | Burdick, J | A | A | P |
| | | | 02 | Bellan, P | A | A | P |
| | | | 03 | Atwater, H | A | A | P |
| | | | 04 | Troian, S | A | A | P |

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|------------------------|-------|--------------------------|---------|--------------|-----------|----------|--------------|
| APPLIED PHYSICS | | | | | | | |
| APh200 | + | Applied Physics Research | 05 | Johnson, W | A | A | P |
| | | | 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 | Schneider, T | 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 |
| | | | 27 | Nad Perge, S | A | A | P |
| | | | 28 | Rosenbaum, T | A | A | P |
| | | | 29 | Hutzler, N | A | A | P |
| | | | 31 | Elowitz, M | A | A | P |
| | | | 32 | Yeh, N | A | A | P |
| | | | 33 | Falson, J | A | A | P |
| | | | 34 | Bock, J | A | A | P |
| | | | 35 | Marandi, A | A | A | P |
| | | | 36 | Endres, M | A | A | P |
| | | | 37 | Cushing, S | A | A | P |
| | | | 38 | Daraio, C | A | A | P |

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|------------------------|-------|------------------------------------|---------|----------------|------------------|----------|--------------|
| APPLIED PHYSICS | | | | | | | |
| APh200 | + | Applied Physics Research | 39 | Scherer, A | A | A | P |
| | | | 40 | Phillips, R | A | A | P |
| | | | 41 | Mirhosseini, M | A | A | P |
| | | | 42 | Adhikari, R | A | A | P |
| | | | 43 | Spiropulu, M | A | A | P |
| | | | 44 | Murray, R | A | A | P |
| | | | 45 | Chan, G | A | A | P |
| Ph/APh 223B | 3-0-6 | Advanced Condensed-Matter Physics | 01 | Alicea, J | MW 09:00 - 10:25 | 103 DWN | |
| 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 |
| | | | 05 | Bernardi, M | A | A | P |
| | | | 06 | Flagan, R | A | A | P |
| | | | 07 | Faraon, A | A | A | P |
| | | | 08 | Hsieh, D | A | A | P |
| | | | 09 | Fultz, B | A | A | P |
| | | | 10 | Atwater, H | A | A | P |
| | | | 12 | Daraio, C | A | A | P |
| | | | 13 | Refael, G | A | A | P |
| | | | 14 | Nad Perge, S | A | A | P |
| | | | 15 | Rosenbaum, T | A | A | P |
| | | | 16 | Vahala, K | A | A | P |
| | | | 17 | Hutzler, N | A | A | P |
| | | | 18 | Falson, J | A | A | P |
| | | | 19 | Marandi, A | A | A | P |
| | | | 20 | Minnich, A | A | A | P |
| | | | 21 | Roukes, M | A | A | P |
| | | | 22 | Chan, G | A | A | P |
| | | | 23 | Schneider, T | A | A | P |
| | | | 24 | Burdick, J | A | A | P |

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| APPLIED PHYSICS | | | | | | | |
| APh300 | + | Thesis Research in Applied Physics | 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 |
| | | | 39 | Endres, M | A | A | P |
| ASTROPHYSICS | | | | | | | |
| Ay 001 | 3-1-5 | The Evolving Universe <i>not open to juniors or seniors</i> | 01 | Mawet, D | MWF 14:00 - 14:55 | Hameetman Aud CHL | |
| FS/Ay 003 | 2-0-4 | First-Year Seminar: Automating Discovering the Universe <i>maximum enrollment: 12 students</i> | 01 | El-Badry, K / Kasliwal, M | T 14:30 - 16:25 | 370 CHL | P |
| Ge/Ay 011C | 3-0-6 | Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i> | 01 | Ehlmann, B | TR 13:00 - 14:25 | 162 SMD | |
| Ay 078C | + | Senior Thesis | 01 | Ravi, V | A | A | P |
| | | | 02 | Hillenbrand, L | A | A | P |
| | | | 03 | Blake, G | A | A | P |
| | | | 04 | Steidel, C | A | A | P |
| | | | 05 | Cohen, J | A | A | P |
| | | | 06 | Scoville, N | A | A | P |
| | | | 07 | El-Badry, K | A | A | P |
| | | | 08 | Martin, C | A | A | P |
| | | | 09 | Prince, T | 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 | | | |
| 18 | Kasliwal, M | A | A | P | | | |

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| ASTROPHYSICS | | | | | | | |
| Ay 078C | + | Senior Thesis | 19 | Djorgovski, S | A | A | P |
| | | | 20 | El-Badry, K | A | A | P |
| | | | 21 | Batygin, K | A | A | P |
| Ay/Ph 104 | 3-0-6 | Relativistic Astrophysics | 01 | Most, E | TR 09:00 - 10:25 | 219 CHL | |
| Ay 105 | 1-5-3 | Optical Astronomy Instrumentation Lab | 01 | Hallinan, G | TR 13:00 - 15:55 | 211 CHL | |
| Ay/Ge 107 | 2-2-8 | Introduction to Astronomical Observation <i>Field Trip: tba // maximum enrollment: 22 students</i> | 01 | Hillenbrand, L / de Kleer, K | WF 11:00 - 11:55 | 251 ARM | |
| | | | | | TR 19:00 - 21:55 | Roof CHL | |
| Ay 119 | 3-0-3 | Astroinformatics | 01 | Lombeyda, S / Djorgovski, S / Graham, M / Mahabal, A | OM,A | A | |
| Ay 122C | 3-0-6 | Astronomical Measurements and Instrumentation | 01 | Kulkarni, S | MWF 13:00 - 13:55 | 219 CHL | |
| Ay 125 | 3-0-6 | High-Energy Astrophysics | 01 | Fuller, J | TR 10:30 - 11:55 | 219 CHL | |
| Ay 126 | 3-0-6 | Interstellar and Intergalactic Medium | 01 | Steidel, C | TR 14:30 - 15:55 | 219 CHL | |
| Ay 141C | 1-0-1 | Research Conference in Astronomy | 01 | Hallinan, G | F 16:00 - 16:55 | 370 CHL | P |
| Ay 142 | + | Research in Astronomy and Astrophysics | 01 | Ravi, V | 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 | Readhead, A | A | A | P |
| | | | 08 | Golwala, S | A | A | P |
| | | | 09 | Hillenbrand, L | A | A | P |
| | | | 10 | El-Badry, K | A | A | P |

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|---------------------|-------------|--|---------|--|-----------|----------|--------------|
| ASTROPHYSICS | | | | | | | |
| Ay 142 | + | Research in Astronomy and Astrophysics | 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 |
| | | | 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 |
| | | | 26 | Soifer, B | A | A | P |
| | | | 27 | Knutson, H | A | A | P |
| | | | 28 | Kasliwal, M | A | A | P |
| | | | 31 | Batygin, K | A | A | P |
| | | | 32 | Bock, J | A | A | P |
| | | | 33 | Fuller, J | A | A | P |
| | | | 34 | Howard, A | A | A | P |
| 35 | El-Badry, K | A | A | P | | | |
| 36 | Ehlmann, B | A | A | P | | | |
| 37 | Most, E | A | A | P | | | |
| Ay 143 | + | Reading and Independent Study | 01 | Steidel, C | A | A | P |
| | | | 02 | El-Badry, K | A | A | P |
| | | | 03 | Kulkarni, S | A | A | P |
| | | | 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 |
| | | | 09 | Djorgovski, S / Graham, M / Mahabal, A / Lombeyda, S | A | A | P |

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|---------------------|-------|----------------------------------|---------|----------------|-----------|----------|--------------|
| ASTROPHYSICS | | | | | | | |
| Ay 143 | + | Reading and Independent Study | 10 | El-Badry, K | A | A | P |
| Ay 144 | + | Independent Writing in Astronomy | 01 | Batygin, K | A | A | P |
| | | | 02 | Blake, G | A | A | P |
| | | | 03 | Bock, J | A | A | P |
| | | | 04 | Brown, M | A | A | P |
| | | | 06 | Djorgovski, S | A | A | P |
| | | | 07 | Dore, O | A | A | P |
| | | | 08 | Fuller, J | A | A | P |
| | | | 09 | Golwala, S | A | A | P |
| | | | 10 | Hallinan, G | A | A | P |
| | | | 11 | Harrison, F | A | A | P |
| | | | 12 | Hillenbrand, L | A | A | P |
| | | | 13 | Hopkins, P | A | A | P |
| | | | 14 | Howard, A | A | A | P |
| | | | 15 | Kasliwal, M | A | A | P |
| | | | 17 | Knutson, H | A | A | P |
| | | | 18 | Kulkarni, S | A | A | P |
| | | | 19 | Martin, C | A | A | P |
| | | | 20 | Mawet, D | A | A | P |
| | | | 21 | Phinney, E | A | A | P |
| | | | 22 | Prince, T | A | A | P |
| | | | 23 | Ravi, V | A | A | P |
| | | | 24 | Readhead, A | A | A | P |
| | | | 26 | Sargent, A | A | A | P |
| | | | 27 | Scoville, N | A | A | P |
| | | | 28 | Soifer, B | A | A | P |
| | | | 29 | Steidel, C | A | A | P |
| | | | 30 | Stevenson, D | A | A | P |
| | | | 31 | Zmuidzinas, J | A | A | P |
| | | | 32 | Ehlmann, B | A | A | P |

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|--|-------|--|---------|---|------------------|----------|--------------|
| ASTROPHYSICS | | | | | | | |
| Ay/Ge 198 | 2-0-4 | Special Topics in the Planetary Sciences | 01 | Mawet, D / Howard, A | M 10:00 - 11:55 | 219 CHL | |
| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| Bi/BE/BMB 115 | 3-2-4 | Viruses and Applications to Biological Systems | 01 | Bjorkman, P / Gradinaru, V / Van Valen, D | TR 10:30 - 11:55 | 100 CNRB | |
| Bi/BMB 189 | 2-0-4 | The Cell Cycle and Genomic Stability | 01 | Dunphy, W | R 14:30 - 16:25 | 203 BRN | |
| BMB/Ch 202C | 1-0-0 | Biochemistry Seminar Course | 01 | Clemons, W | R 12:00 - 12:55 | 101 SCH | P |
| Bi/BE/BMB 222 | 2-0-4 | The Structure of the Cytosol | 01 | Kennedy, M | M 16:00 - 17:55 | B101 BBB | |
| Bi/BMB 251C | 1-0-0 | Current Research in Biology and Biological Engineering | 01 | Sternberg, P / Hay, B | W 12:00 - 12:55 | 125 KRK | P |
| BMB299 | + | Graduate Research | 01 | Mayo, S | A | A | P |
| | | | 02 | Deshaies, R | A | A | P |
| | | | 04 | Bjorkman, P | A | A | P |
| | | | 05 | Arnold, F | A | A | P |
| | | | 06 | Rees, 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 |
| | | | 12 | Tirrell, D | A | A | P |
| | | | 13 | Parker, C | A | A | P |
| | | | 14 | Greer, J | 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 |
| | | | 21 | Elowitz, M | A | A | P |

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|--|-------|-------------------|---------|---------------|-----------|----------|--------------|
| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| BMB299 | + | Graduate Research | 22 | Ismagilov, R | 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 |
| | | | 30 | Clemons, W | A | A | P |
| | | | 31 | Leadbetter, J | A | A | P |
| | | | 32 | Murray, R | A | A | P |
| | | | 33 | Mazmanian, S | 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 |
| | | | 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 |
| | | | 52 | Chou, T | A | A | P |
| | | | 53 | Dunphy, W | A | A | P |
| | | | 54 | Wagenaar, D | A | A | P |
| | | | 55 | Voorhees, R | A | A | P |
| | | | 56 | Pachter, L | A | A | P |
| | | | 57 | Parker, J | A | A | P |

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|--|-------|--|---------|-----------------|------------------|----------|--------------|
| BIOCHEMISTRY & MOLECULAR BIOPHYSICS | | | | | | | |
| BMB299 | + | Graduate Research | 58 | Semlow, D | A | A | P |
| | | | 59 | Thomson, M | A | A | P |
| | | | 60 | Chong, S | A | A | P |
| | | | 61 | Nelson, H | A | A | P |
| | | | 62 | Zakem, E | A | A | P |
| | | | 63 | Wang, K | A | A | P |
| | | | 64 | Stathopoulos, A | A | A | P |
| | | | 65 | Chen, Z | A | A | P |
| BIOENGINEERING | | | | | | | |
| Bi/BE 024 | 3-0-3 | Scientific Communication for Biological Scientists and Engineers <i>maximum enrollment: 12 students // open to seniors only</i> | 01 | Hoy, J | MW 10:30 - 11:55 | 152 BRN | |
| 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 | Mazmanian, S | 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 | Aravin, A | 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 |

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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> | 20 | Yang, C | A | A | P |
| | | | 21 | Mayo, S | A | A | P |
| | | | 22 | Chou, T | A | A | P |
| | | | 23 | Elowitz, M | A | A | P |
| | | | 24 | Murray, R | A | A | P |
| | | | 25 | Wang, K | A | A | P |
| | | | 26 | Leadbetter, J | A | A | P |
| | | | 27 | Winfree, E | A | A | P |
| | | | 28 | Guttman, M | A | A | P |
| | | | 29 | Oka, Y | A | A | P |
| | | | 30 | Kornfield, J | A | A | P |
| | | | 31 | Baltimore, D | A | A | P |
| | | | 32 | Goentoro, L | 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 |
| | | | 37 | Ismagilov, R | A | A | P |
| | | | 38 | Dickinson, M | A | A | P |
| | | | 39 | Pachter, L | A | A | P |
| 40 | Thomson, M | A | A | P | | | |
| 41 | Hong, E | A | A | P | | | |
| 42 | Bronner Hansen, M | A | A | P | | | |
| 43 | Daraio, C | A | A | P | | | |
| 44 | Prober, D | A | A | P | | | |
| 45 | Meyerowitz, E | A | A | P | | | |
| 46 | Wang, L | A | A | P | | | |
| 47 | Wang, L | A | A | P | | | |
| BE 099A | + | Senior Thesis in Bioengineering | 01 | Shapiro, M | A | A | P |
| | | | 02 | Shimojo, S | A | A | P |
| | | | 03 | Bjorkman, P | A | A | P |
| | | | 04 | Wang, L | A | A | P |
| | | | 05 | Arnold, F | A | A | P |

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|-----------------------|-------|--|---------|---|-------------------|-----------|--------------|
| BIOENGINEERING | | | | | | | |
| BE 099C | + | Senior Thesis in Bioengineering | 01 | Elowitz, M | A | A | G |
| | | | 02 | Murray, R | A | A | G |
| | | | 03 | Gradinaru, V | A | A | G |
| | | | 04 | Winfrey, E | A | A | G |
| | | | 05 | Shapiro, M | A | A | G |
| | | | 06 | Daraio, C | A | A | G |
| | | | 07 | Prober, D | A | A | G |
| | | | 08 | Pierce, N | A | A | G |
| | | | 09 | Bjorkman, P | A | A | G |
| | | | 10 | Shimojo, S | A | A | G |
| | | | 11 | Arnold, F | A | A | G |
| | | | 12 | Wang, L | A | A | G |
| BE 111 | 3-0-6 | Making Life: Genome Synthesis from Elements | 01 | Wang, K | TR 14:30 - 15:55 | 130 CNRB | |
| Bi/BE/BMB 115 | 3-2-4 | Viruses and Applications to Biological Systems | 01 | Bjorkman, P / Gradinaru, V / Van Valen, D | TR 10:30 - 11:55 | 100 CNRB | |
| Ph/APh/EE/BE 118A | 3-0-6 | Physics of Measurement | 01 | Roukes, M | TR 14:30 - 15:55 | 387 LINDE | |
| Ge/Bi/BE/CNS/ESE 14 | 6-0-0 | Challenges and Opportunities in Quantitative Ecology | 01 | Fischer, W / Tejada Lara, J | M 15:00 - 15:55 | 254 SMD | P |
| BE 150 | 3-0-6 | Biological Circuit Design <i>taught concurrently with Bi 250b // class will meet in BRD 100 on May 31st</i> | 01 | Bois, J / Elowitz, M | MWF 11:00 - 11:55 | 100 CNRB | |
| BE 153 | 3-0-6 | Case Studies in Systems Physiology | 01 | Petrasek, D | TR 14:30 - 15:55 | 200 BRD | |
| BE/EE/MedE 189A | 3-6-3 | Design and Construction of Biodevices <i>maximum enrollment: 20 students // contact instructor if class is full // Enrollment is limited based on laboratory capacity</i> | 01 | Yang, C | TR 14:30 - 15:55 | B127 KRK | |
| BE/EE/MedE 189B | 0-9-0 | Design and Construction of Biodevices | 01 | Yang, C | TR 14:30 - 15:55 | B127 KRK | |

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| BIOENGINEERING | | | | | | | |
| BE/CS/CNS/Bi 191B | 2-4-3 | Biomolecular Computation <i>class cancelled</i> | 01 | Winfree, E | A | A | |
| BE/CS 196B | 2-4-3 | Design and Construction of Programmable Molecular Systems <i>instructor permission required for enrollment</i> | 01 | Qian, L | T 16:00 - 17:55 | 111 KCK | |
| 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 |
| | | | 06 | Goentoro, L | A | A | P |
| | | | 07 | Gharib, M | A | A | P |
| | | | 08 | Hajimiri, S | A | A | P |
| | | | 09 | Chong, S | 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 | Trojan, S | A | A | P |
| | | | 16 | Roukes, M | A | A | P |
| | | | 17 | Scherer, A | A | A | P |
| | | | 18 | Tai, Y | A | A | P |
| | | | 19 | Tirrell, D | A | A | P |
| | | | 20 | Yang, C | A | A | P |
| | | | 21 | Rothmund, P | A | A | P |
| | | | 22 | Greer, J | 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 |

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| BIOENGINEERING | | | | | | | |
| BE 200 | + | Research in Bioengineering | 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 |
| | | | 37 | Pachter, L | A | A | P |
| | | | 38 | Mazmanian, S | A | A | P |
| | | | 39 | Bjorkman, P | A | A | P |
| | | | 40 | Parker, J | A | A | P |
| | | | 41 | Greer, J | A | A | P |
| | | | 42 | Wang, K | A | A | P |
| | | | 43 | Thomson, M | A | A | P |
| | | | 44 | Meyerowitz, E | A | A | P |
| | | | 45 | Chan, D | A | A | P |
| | | | 46 | Newman, D | A | A | P |
| | | | 47 | Rutishauser, U | A | A | P |
| | | | 48 | Clemons, W | A | A | P |
| | | | 49 | Lois, C | A | A | P |
| | | | 50 | Fejes Toth, K | A | A | P |
| | | | 51 | Rothenberg, E | A | A | P |
| | | | 52 | Wold, B | A | A | P |
| | | | 53 | Van Valen, D | A | A | P |
| | | | 54 | Daraio, C | A | A | P |
| | | | 55 | Demirer, G | A | A | P |
| | | | 56 | Shimojo, S | A | A | P |
| | | | 57 | Wang, L | A | A | P |
| | | | 58 | Hoffmann, F | A | A | P |
| | | | 59 | Orphan, V | A | A | P |
| | | | 60 | Andersen, R | A | A | P |
| | | | 61 | Chung, S | A | A | P |

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|-----------------------|-------|--|---------|-----------------------|-------------------------------------|----------------------|--------------|
| BIOENGINEERING | | | | | | | |
| Bi/BE/BMB 222 | 2-0-4 | The Structure of the Cytosol | 01 | Kennedy, M | M 16:00 - 17:55 | B101 BBB | |
| Bi/BE/CNS/NB 241 | 1-8-0 | Spatial Genomics <i>maximum enrollment: 6 students</i> | 01 | Cai, L | M 11:00 - 11:55 | B115 CNRB | |
| BIOLOGY | | | | | | | |
| Bi 001 | 4-0-5 | The Great Ideas of Biology <i>maximum enrollment: 33 students per section // May be taken pass/fail if taken in a first-year student's first year.</i> | 01 | Phillips, R | TR 13:00 - 14:25 M 09:00 - 09:55 | 100 CNRB 100 CNRB | |
| | | | 02 | Phillips, R | TR 13:00 - 14:25 M 17:00 - 17:55 | 100 CNRB 100 CNRB | |
| | | | 03 | Phillips, R | TR 13:00 - 14:25 T 12:00 - 12:55 | 100 CNRB 100 CNRB | |
| | | | 04 | Phillips, R | TR 13:00 - 14:25 T 17:00 - 17:55 | 100 CNRB 100 CNRB | |
| | | | 05 | Phillips, R | TR 13:00 - 14:25 T 18:00 - 18:55 | 100 CNRB 100 CNRB | |
| | | | 06 | Phillips, R | TR 13:00 - 14:25 W 09:00 - 09:55 | 100 CNRB 100 CNRB | |
| | | | 07 | Phillips, R | TR 13:00 - 14:25 W 17:00 - 17:55 | 100 CNRB 100 CNRB | |
| Bi 001B | 3-0-6 | The Biomechanics of Organismal Design <i>open by application only // apply by Feb 16th at https://registrar.caltech.edu/Bi1_SP2023-24 // may be taken pass/fail if taken in a first-year student's first year.</i> | 01 | Dickinson, M / Ros, I | TWF 13:00 - 13:55 | B270 MRE | |
| Bi 001X | 0-6-3 | The Great Ideas of Biology: Exploration through Experimentation <i>open by application only // apply by Feb 16th at https://registrar.caltech.edu/Bi1_SP2023-24 // maximum enrollment: 24 students // May be taken pass/fail if taken in a first-year student's first year.</i> | 01 | Bois, J | TR 13:00 - 15:55 | B126 KRK | |

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|-----------------|-------|--|---------|---------------------------|-------------------------------------|--|--------------|
| BIOLOGY | | | | | | | |
| Bi 009 | 3-0-6 | Cell Biology | 01 | Prober, D / Varshavsky, A | 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: 10 students per section // section 2 cancelled</i> | 01 | Goentoro, L | M 11:00 - 11:55 T 13:00 - 15:55 | 101 KRK 347 KRK | |
| | | | 02 | Staff | A | A | |
| Bi 021 | + | Undergraduate Research with Presentation <i>minimum 12 units per term</i> | 01 | Dunphy, W | A | A | P |
| | | | 02 | Arnold, F | A | A | P |
| Bi 022 | + | Undergraduate Research | 01 | Shan, S | A | A | P |
| | | | 02 | Bronner Hansen, M | A | A | P |
| | | | 03 | Van Valen, D | 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 |
| | | | 11 | Newman, D | A | A | P |
| | | | 12 | Chan, D | A | A | P |
| | | | 13 | Leadbetter, J | A | A | P |
| | | | 14 | Tirrell, D | A | A | P |
| | | | 16 | Orphan, V | 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 |
| | | | 28 | Meyerowitz, E | A | A | P |

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|-----------------|-------|------------------------|---------|-------------------|-----------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 022 | + | Undergraduate Research | 29 | Shapiro, M | A | A | P |
| | | | 30 | Hong, E | A | A | P |
| | | | 31 | Rees, D | A | A | P |
| | | | 32 | Aravin, A | A | A | P |
| | | | 33 | Bjorkman, P | A | A | P |
| | | | 35 | Meister, M | A | A | P |
| | | | 36 | Baltimore, D | A | A | P |
| | | | 37 | Wang, K | A | A | P |
| | | | 38 | Campbell, J | A | A | P |
| | | | 39 | Parker, C | A | A | P |
| | | | 40 | Winfree, E | A | A | P |
| | | | 42 | Andersen, R | A | A | P |
| | | | 43 | Hay, B | A | A | P |
| | | | 44 | Demirer, 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 |
| | | | 51 | Cai, L | 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 |
| | | | 60 | Lois, C | A | A | P |
| | | | 62 | Pachter, L | A | A | P |
| | | | 63 | Guttman, M | A | A | P |
| | | | 64 | Glover, D | A | A | P |
| | | | 65 | Parker, J | A | A | P |
| | | | 66 | Dunphy, W | A | A | P |
| | | | 67 | Zernicka-Goetz, M | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|-----------------|-------|--|---------|------------------------------|------------------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 022 | + | Undergraduate Research | 68 | Siapas, A | A | A | P |
| | | | 69 | McFall-Ngai, M | A | A | P |
| | | | 70 | Prober, D | A | A | P |
| | | | 71 | Goentoro, L | A | A | P |
| | | | 72 | Semlow, D | A | A | P |
| Bi/BE 024 | 3-0-3 | Scientific Communication for Biological Scientists and Engineers <i>maximum enrollment: 12 students // open to seniors only</i> | 01 | Hoy, J | MW 10:30 - 11:55 | 152 BRN | |
| Bi 090C | + | Undergraduate Thesis | 01 | Kennedy, M / Hong, E | A | A | P |
| | | | 02 | Kennedy, M / Siapas, A | A | A | P |
| | | | 03 | Kennedy, M / Sternberg, P | A | A | P |
| | | | 05 | Kennedy, M / Davis, M | A | A | P |
| | | | 06 | Kennedy, M / Bjorkman, P | A | A | P |
| | | | 07 | Kennedy, M / Aravin, A | A | A | P |
| | | | 08 | Kennedy, M / Doyle, J | A | A | P |
| | | | 09 | Kennedy, M / Newman, D | A | A | P |
| | | | 10 | Kennedy, M / Baltimore, D | A | A | P |
| | | | 11 | Kennedy, M / Rothenberg, E | A | A | P |
| | | | 12 | Wold, B / Kennedy, M | A | A | P |
| | | | 13 | Kennedy, M / Gradinaru, V | A | A | P |
| | | | 14 | Kennedy, M / Newman, D | A | A | P |
| | | | 15 | Kennedy, M / Hsieh-Wilson, L | A | A | P |
| | | | 16 | Lester, H / Kennedy, M | A | A | P |
| | | | 17 | Kennedy, M / Clemons, W | A | A | P |
| | | | 18 | Kennedy, M / Guttman, M | A | A | P |

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|---------------------|-------|---|---------|---|--------------------------------------|---------------------|--------------|
| BIOLOGY | | | | | | | |
| Bi 090C | + | Undergraduate Thesis | 19 | Kennedy, M / Zernicka-Goetz, M | A | A | P |
| Ch/Bi 111 | 4-0-8 | Biochemistry of Gene Expression | 01 | Parker, C / Semlow, D | W 14:00 - 15:55 TR 11:00 - 11:55 | 320 BRN 320 BRN | |
| Bi/BE/BMB 115 | 3-2-4 | Viruses and Applications to Biological Systems | 01 | Bjorkman, P / Gradinaru, V / Van Valen, D | TR 10:30 - 11:55 | 100 CNRB | |
| Ge/Bi/BE/CNS/ESE 14 | 6-0-0 | Challenges and Opportunities in Quantitative Ecology | 01 | Fischer, W / Tejada Lara, J | M 15:00 - 15:55 | 254 SMD | P |
| NB/Bi/CNS 150 | 4-0-6 | Introduction to Neuroscience | 01 | Adolphs, R / Lester, H | R 14:00 - 14:55 MWF 10:00 - 10:55 | 101 KRK 130 CNRB | G |
| | | | 02 | Lester, H / Adolphs, R | MWF 10:00 - 10:55 R 11:00 - 11:55 | 130 CNRB 152 BRN | G |
| | | | 03 | Adolphs, R / Lester, H | MWF 10:00 - 10:55 R 20:00 - 20:55 | 130 CNRB 101 KRK | G |
| | | | 04 | Adolphs, R / Lester, H | MWF 10:00 - 10:55 R 19:00 - 19:55 | 130 CNRB 101 KRK | G |
| NB/Bi/CNS 154 | 3-0-6 | Principles of Neuroscience | 01 | Meister, M | TR 13:00 - 14:25 | B101 BBB | |
| NB/Bi/CNS 157 | 2-3-4 | Comparative Nervous Systems <i>class full, see instructor for waitlist // class will meet in BRD 200 for inclement weather</i> | 01 | Allman, J | F 14:00 - 15:55 | Courtyard ALLES | G |
| Bi/BMB 189 | 2-0-4 | The Cell Cycle and Genomic Stability | 01 | Dunphy, W | R 14:30 - 16:25 | 203 BRN | |
| BE/CS/CNS/Bi 191B | 2-4-3 | Biomolecular Computation <i>class cancelled</i> | 01 | Winfree, E | A | A | |
| NB/Bi/CNS 220 | 2-0-4 | Genetic Dissection of Neural Circuit Function <i>class cancelled</i> | 01 | Anderson, D | A | A | |
| Bi/BE/BMB 222 | 2-0-4 | The Structure of the Cytosol | 01 | Kennedy, M | M 16:00 - 17:55 | B101 BBB | |

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|------------------|-------|---|---------|-----------------------|-------------------|-----------|--------------|
| BIOLOGY | | | | | | | |
| Bi/BE/CNS/NB 241 | 1-8-0 | Spatial Genomics <i>maximum enrollment: 6 students</i> | 01 | Cai, L | M 11:00 - 11:55 | B115 CNRB | |
| Bi 250B | 3-0-6 | Topics in Systems Biology <i>taught concurrently with BE 150 // class will meet in BRD 100 on May 31st</i> | 01 | Elowitz, M / Bois, J | MWF 11:00 - 11:55 | 100 CNRB | |
| NB/Bi/CNS 250C | 3-0-6 | Topics in Systems Neuroscience | 01 | Siapas, A | W 14:00 - 16:55 | 130 CNRB | |
| Bi/BMB 251C | 1-0-0 | Current Research in Biology and Biological Engineering | 01 | Sternberg, P / Hay, B | W 12:00 - 12:55 | 125 KRK | P |
| Psy/Bi/CNS 255 | 3-0-6 | Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i> | 01 | Mobbs, D | W 10:00 - 12:55 | B119 BAX | |
| CNS/Bi/NB 256 | 2-0-4 | Brain-machine Interfaces | 01 | Andersen, R | MW 13:00 - 13:55 | 330 BBB | |
| Bi 299 | + | Graduate Research | 01 | Stathopoulos, A | A | A | P |
| | | | 02 | Baltimore, D | A | A | P |
| | | | 03 | Allman, J | A | A | P |
| | | | 04 | Andersen, R | A | A | P |
| | | | 05 | Anderson, D | A | A | P |
| | | | 06 | Mazmanian, S | A | A | P |
| | | | 07 | Clemons, W | A | A | P |
| | | | 08 | Elowitz, M | A | A | P |
| | | | 09 | Thomson, M | 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 | Chong, S | 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 |

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|-----------------|-------|-------------------|---------|-----------------|-----------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 299 | + | Graduate Research | 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 |
| | | | 32 | Lois, C | 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 |
| | | | 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 |
| | | | 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 |

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|--|----------------|--|---------|-------------------|-----------|----------|--------------|
| BIOLOGY | | | | | | | |
| Bi 299 | + | Graduate Research | 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 |
| | | | 69 | Ismagilov, R | A | A | P |
| | | | 70 | Hong, E | A | A | P |
| | | | 71 | Phillips, R | A | A | P |
| | | | 72 | Roukes, M | A | A | P |
| | | | 73 | Doyle, J | A | A | P |
| | | | 74 | Pachter, L | A | A | P |
| | | | 75 | Parker, J | A | A | P |
| | | | 76 | Voorhees, R | A | A | P |
| | | | 77 | Van Valen, D | A | A | P |
| | | | 78 | Wang, K | A | A | P |
| | | | 79 | de Kleer, K | A | A | P |
| | | | 80 | Zernicka-Goetz, M | A | A | P |
| | | | 81 | Demirer, G | A | A | P |
| | | | 82 | Glover, D | A | A | P |
| | | | 83 | McFall-Ngai, M | A | A | P |
| 84 | Karthikeyan, S | A | A | P | | | |
| 85 | Fischer, W | A | A | P | | | |
| BUSINESS, ECONOMICS, AND MANAGEMENT | | | | | | | |
| BEM097 | + | Undergraduate Research <i>Instructor permission required prior to</i> | 01 | Sinclair, A | A | A | P |
| | | | 02 | Winston, K | A | A | P |

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|--|-----------|---|--|--|--------------------------------------|--------------------------------------|--------------------------------------|
| BUSINESS, ECONOMICS, AND MANAGEMENT | | | | | | | |
| BEM101 | 0-0-0 | Selected Topics in Business Economics and Management: Economics of Sustainable Development | 01 | Singh, J | TR 14:30 - 15:55 | 121 BCK | G |
| BEM104 | 3-0-6 | Investments | 01 | Cvitanic, J | TR 09:00 - 10:25 | 125 BAX | |
| BEM106 | 3-0-6 | Data Science in Economics | 01 | Janas, P | TR 13:00 - 14:25 | Lecture Hall BAX | |
| BEM114 | 3-0-6 | Hedge Funds <i>maximum enrollment: 40 students</i> | 01 | Sinclair, A | MW 13:00 - 14:25 | B125 BAX | G |
| BEM/Ec/ESE 119 | 3-0-6 | Environmental Economics <i>maximum enrollment: 45 students</i> | 01 | Druckenmiller, H | TR 10:30 - 11:55 | 155 ARM | G |
| CHEMICAL ENGINEERING | | | | | | | |
| Ch/ChE 009 | 1-6-2 | Chemical Synthesis and Characterization for Chemical Engineering <i>open by lottery only, see REGIS home page to enter before 8am February 21st // Ch and ChE students have priority // Maximum enrollment: 4 students</i> | 01 | Mendez, J | F 15:00 - 15:55 TR 13:00 - 15:55 | B122 GCL 130 CHR | |
| ChE062 | 3-0-6 | Separation Processes | 01 | Dingilian, K | MWF 14:00 - 14:55 | 102 SPL | G |
| ChE070 | 1.5-0-1.5 | Special Topics in Chemical Engineering: ChemE Car | 01 | Vicic, M | OM,T 12:00 - 12:55 | 122 SPL | P |
| ChE080 | + | Undergraduate Research | 01 03 04 05 07 08 09 10 | Arnold, F Davis, M Giapis, K Lewis, N Shapiro, M Brady, J Atwater, H Goddard, W | A A A A A A A A | A A A A A A A A | P P P P P P P P |

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| CHEMICAL ENGINEERING | | | | | | | |
| ChE080 | + | Undergraduate Research | 11 | Faber, K | A | A | P |
| | | | 13 | Flagan, R | A | A | P |
| | | | 14 | Gavalas, G | A | A | P |
| | | | 15 | Hoelz, A | A | A | P |
| | | | 16 | Greer, J | A | A | P |
| | | | 20 | Kornfield, J | A | A | P |
| | | | 21 | Agapie, T | A | A | P |
| | | | 34 | Seinfeld, J | A | A | P |
| | | | 36 | Tirrell, D | A | A | P |
| | | | 37 | Ismagilov, R | A | A | P |
| | | | 38 | Daraio, C | A | A | P |
| | | | 39 | Hadt, R | A | A | P |
| | | | 40 | Manthiram, K | A | A | P |
| | | | 41 | Demirer, G | A | A | P |
| ChE090A | + | Undergraduate Thesis | 01 | Shapiro, M | A | A | P |
| ChE090B | 0-4-5 | Undergraduate Thesis | 01 | Dickinson, M | A | A | |
| | | | 02 | Giapis, K | A | A | |
| | | | 03 | Seinfeld, J | A | A | |
| | | | 04 | Tirrell, D | A | A | |
| | | | 06 | Flagan, R | A | A | |
| | | | 08 | Davis, M | A | A | |
| | | | 10 | Arnold, F | A | A | |
| | | | 11 | Brady, J | A | A | |
| | | | 12 | Kornfield, J | A | A | |
| | | | 13 | Greer, J | A | A | |
| | | | 14 | Lewis, N | A | A | |
| | | | 16 | Mayo, S | A | A | |
| | | | 17 | Fu, G | A | A | |
| | | | 18 | Wang, Z | A | A | |
| 19 | Cai, L | A | A | | | | |
| 20 | Atwater, H | A | A | | | | |

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| CHEMICAL ENGINEERING | | | | | | | |
| ChE090B | 0-4-5 | Undergraduate Thesis | 21 | Ismagilov, R | A | A | |
| | | | 22 | Cai, L / Arnold, F | A | A | |
| ChE090C | + | Undergraduate Thesis | 01 | Giapis, K | A | A | P |
| | | | 02 | Tirrell, D | A | A | P |
| | | | 03 | Kornfield, J | A | A | P |
| | | | 04 | Cai, L / Arnold, F | A | A | P |
| | | | 05 | Lewis, N | A | A | P |
| | | | 06 | Flagan, R | A | A | P |
| | | | 07 | Mayo, S | A | A | P |
| | | | 08 | Ismagilov, R | A | A | P |
| | | | 09 | Seinfeld, J | A | A | P |
| | | | 10 | Wang, Z | A | A | P |
| | | | 11 | Greer, J | A | A | P |
| | | | 12 | Atwater, H | A | A | P |
| | | | 13 | Clemons, W | A | A | P |
| | | | 14 | Hoelz, A | A | A | P |
| | | | 15 | Shapiro, M | A | A | P |
| | | | 16 | See, K | A | A | P |
| Ch/ChE 091 | 2-0-1 | Scientific Writing | 01 | Weitekamp, D | M 14:00 - 15:55 | 101 SCH | G |
| ChE103C | 3-0-6 | Transport Phenomena | 01 | Manthiram, K | MW 09:30 - 10:55 | B122 GCL | |
| ChE105 | 3-0-6 | Dynamics and Control of Chemical Systems <i>taught concurrently with CDS110</i> | 01 | Murray, R | MWF 14:00 - 14:55 | 106 SPL | |
| ChE120 | 0-6-3 | Optimal Design of Chemical Systems <i>If unable to register, please contact instructor.</i> | 01 | Vicic, M | OM,T 12:00 - 12:55 | 122 SPL | |
| ChE130 | 0-6-3 | Biomolecular Engineering Laboratory <i>Maximum enrollment: 8 students // If unable to register, please contact instructor.</i> | 01 | Vicic, M / Demirer, G | MF 13:00 - 15:55 | B126 KRK | |
| | | | | | W 13:00 - 13:55 | 102 SPL | |
| ChE142 | 1-0-8 | Challenges in Data Science for Chemical Systems | 01 | Vicic, M | OM,W 12:00 - 12:55 | 102 SPL | |

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| CHEMICAL ENGINEERING | | | | | | | |
| ChE151B | 3-0-9 | Physical and Chemical Rate Processes | 01 | Brady, J | MWF 09:00 - 09:55 | 106 SPL | G |
| ChE/Ch 155 | 1.5-0-7.5 | Chemistry of Catalysis <i>2024 class in development with limited enrollment; class full. 2025 onward offered annually.</i> | 01 | Manthiram, K | A | A | |
| ESE/ChE 158 | 3-0-6 | Aerosol Physics and Chemistry | 01 | Flagan, R | TR 10:30 - 11:55 | 106 SPL | |
| ChE280 | + | Chemical Engineering Research | 01 | Arnold, F | A | A | P |
| | | | 02 | Murray, R | A | A | P |
| | | | 03 | Atwater, H | A | A | P |
| | | | 04 | Mayo, S | A | A | P |
| | | | 05 | Pierce, N | A | A | P |
| | | | 06 | Troian, 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 |
| | | | 13 | Flagan, R | 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 |
| | | | 20 | Guttman, M | A | A | P |
| | | | 21 | Kornfield, J | A | A | P |
| | | | 23 | Lewis, N | A | A | P |
| | | | 24 | Shapiro, M | A | A | P |
| | | | 25 | Elowitz, M | A | A | P |
| | | | 26 | Hoffmann, M | A | A | P |
| | | | 27 | See, K | A | A | P |

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| CHEMICAL ENGINEERING | | | | | | | |
| ChE280 | + | Chemical Engineering Research | 28 | Robb, M | A | A | P |
| | | | 29 | Parker, C | A | A | P |
| | | | 30 | Wei, L | A | A | P |
| | | | 31 | Chan, G | A | A | P |
| | | | 32 | Pachter, L | A | A | P |
| | | | 33 | Wang, K | A | A | P |
| | | | 34 | Hadt, R | 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 |
| | | | 43 | Agapie, T | A | A | P |
| | | | 44 | Gao, W | A | A | P |
| | | | 45 | Manthiram, K | A | A | P |
| | | | 46 | Demirer, G | A | A | P |
| | | | 47 | Schneider, T | A | A | P |
| | | | 48 | Wennberg, P | A | A | P |
| | | | 49 | Karthikeyan, S | A | A | P |
| 50 | Peters, J | A | A | P | | | |
| 51 | Minnich, A | A | A | P | | | |
| CHEMISTRY | | | | | | | |
| Ch 003A | 1-3-2 | Fundamental Techniques of Experimental Chemistry <i>open by lottery only, see REGIS home page to enter before 8am February 21st // Ch and ChE students have priority // Maximum enrollment: 10 students</i> | 01 | Mendez, J | F 13:00 - 13:55 T 19:00 - 21:55 OM,M 13:00 - 13:55 | B122 GCL 130 CHR B122 GCL | P |
| Ch 003X | 1-3-2 | Experimental Methods in Solar Energy Conversion <i>Open by lottery only, see REGIS home page to enter before 8am, Feb 21 // Max enroll: 24 students per sec // Students entering 2020 and before must take Ch 3 in their 1st 9 terms in</i> | 01 | Mendez, J | F 09:00 - 09:55 T 08:00 - 10:55 OM,M 09:00 - 09:55 | B122 GCL B157 CRL B122 GCL | P |
| | | | 02 | Mendez, J | F 09:00 - 09:55 T 13:00 - 15:55 | B122 GCL B157 CRL | P |

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|------------------|-------|--|----------|-----------------------|--|-------------------------------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 003X | 1-3-2 | Experimental Methods in Solar Energy Conversion <i>Open by lottery only, see REGIS home page to enter before 8am, Feb 21 // Max enroll: 24 students per sec // Students entering 2020 and before must take Ch 3 in their 1st 9 terms in order to be graded p/f. Frosh entering 2021 must take Ch 3 in their 1st 6 terms in order to be graded p/f</i> | 02 | Mendez, J | OM,M 09:00 - 09:55 | B122 GCL | P |
| | | | 03 | Mendez, J | F 09:00 - 09:55 | B122 GCL | P |
| | | | | | T 19:00 - 21:55 | B157 CRL | |
| | | | 04 | Mendez, J | OM,M 09:00 - 09:55 | B122 GCL | P |
| | | | 05 | Mendez, J | F 09:00 - 09:55 | B122 GCL | P |
| | | W 13:00 - 15:55 | B157 CRL | | | | |
| | | OM,M 09:00 - 09:55 | B122 GCL | | | | |
| | | F 09:00 - 09:55 | B122 GCL | P | | | |
| | | R 08:00 - 10:55 | B157 CRL | | | | |
| | | OM,M 09:00 - 09:55 | B122 GCL | | | | |
| Ch 004B | 1-6-2 | Synthesis and Analysis of Organic and Inorganic Compounds <i>open by lottery only, see REGIS home page to enter before 8am February 21st // maximum enrollment: 4 students</i> | 01 | Mendez, J | M 14:00 - 14:55 TR 13:00 - 15:55 | A 130 CHR | |
| Ch 007 | 1-6-2 | Advanced Experimental Methods in Bioorganic Chemistry <i>Students only need attend two lab sections per week.</i> | 01 | Hsieh-Wilson, L | WF 13:00 - 15:55 M 13:00 - 13:55 M 14:00 - 16:55 | 130 CHR 151 CRL 130 CHR | |
| Ch/ChE 009 | 1-6-2 | Chemical Synthesis and Characterization for Chemical Engineering <i>open by lottery only, see REGIS home page to enter before 8am February 21st // Ch and ChE students have priority // Maximum enrollment: 4 students</i> | 01 | Mendez, J | F 15:00 - 15:55 TR 13:00 - 15:55 | B122 GCL 130 CHR | |
| Ch 010C | 1-4-1 | Frontiers in Chemistry <i>Must have instructor's permission prior to registering for course // open to freshmen and sophomores only</i> | 01 | Hoelz, A | R 12:00 - 12:55 | 147 NYS | P |
| Ch 014 | 3-0-6 | Chemical Equilibrium and Analysis | 01 | Rees, D | TR 09:00 - 10:25 | 147 NYS | |
| Ch 021C | 3-0-6 | Physical Chemistry <i>class will meet in 151 Crellin on 4/22</i> | 01 | Okumura, M / Blake, G | MWF 10:00 - 10:55 | B204 NYS | G |

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|------------------|-------|-------------------|------------|-------------------|-------------------|----------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 041C | 4-0-5 | Organic Chemistry | 01 | Reisman, S | MWF 09:00 - 09:55 | 153 NYS | |
| | | | | | W 20:00 - 20:55 | 151 CRL | |
| | | | 02 | Reisman, S | MWF 09:00 - 09:55 | 153 NYS | |
| | | | | | R 15:00 - 15:55 | 151 CRL | |
| | | 03 | Reisman, S | MWF 09:00 - 09:55 | 153 NYS | | |
| | | | | | R 20:00 - 20:55 | 151 CRL | |
| 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 | Chan, G | A | A | P |
| | | | 06 | Clemons, W | A | A | P |
| | | | 07 | Reisman, S | A | A | P |
| | | | 08 | Campbell, J | A | A | P |
| | | | 09 | Shan, S | A | A | P |
| | | | 10 | Rees, D | 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 | Rossmann, G | A | A | P |
| | | | 24 | Katz, N | A | A | P |
| | | | 25 | Virgil, S | A | A | P |
| | | | 26 | Gao, W | A | A | P |
| | | | 27 | Okumura, M | A | A | P |
| | | | 28 | See, K | A | A | P |

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|------------------|-------------------|---|---------|------------------------|-----------|----------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 080 | + | Chemical Research | 29 | Peters, J | A | A | P |
| | | | 30 | Blake, G | A | A | P |
| | | | 32 | Wei, L | A | A | P |
| | | | 33 | Hoffmann, M | A | A | P |
| | | | 34 | Greer, J | A | A | P |
| | | | 35 | Stoltz, B | A | A | P |
| | | | 36 | Tirrell, D | 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 | Rossmann, G | A | A | P |
| | | | 43 | Blake, G | A | A | P |
| | | | 44 | Cushing, S | A | A | P |
| | | | 46 | Robb, M | A | A | P |
| | | | 47 | Hadt, R | A | A | P |
| | | | 48 | See, K | A | A | P |
| 49 | Mayo, S | A | A | P | | | |
| 50 | Chandrasekaran, V | A | A | P | | | |
| 51 | Demirer, 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 |
| | | | 18 | Robb, M | A | A | P |
| Ch 082 | + | Senior Thesis Research <i>9 units per term</i> | 01 | Rees, D / Okumura, M | A | A | P |
| | | | 02 | Okumura, M / Hoelz, A | A | A | P |
| | | | 04 | Gray, H / Okumura, M | A | A | P |
| | | | 05 | Okumura, M / Agapie, T | A | A | P |
| | | | 06 | Peters, J / Okumura, M | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme | | | |
|------------------|-------|---|------------|------------------------------|--|----------|--------------------|-----------------|----------|---|
| CHEMISTRY | | | | | | | | | | |
| Ch 082 | + | Senior Thesis Research <i>9 units per term</i> | 07 | Stoltz, B / Okumura, M | A | A | P | | | |
| | | | 08 | Tirrell, D / Okumura, M | A | A | P | | | |
| | | | 09 | Okumura, M / Asimow, P | A | A | P | | | |
| | | | 10 | Okumura, M / Reisman, S | A | A | P | | | |
| | | | 11 | Rossmann, G / Okumura, M | A | A | P | | | |
| | | | 12 | Dougherty, D / Okumura, M | A | A | P | | | |
| | | | 13 | Goddard, W / Okumura, M | A | A | P | | | |
| | | | 14 | Hsieh-Wilson, L / Okumura, M | A | A | P | | | |
| | | | 15 | Wei, L / Okumura, M | A | A | P | | | |
| | | | 16 | Chan, G / Okumura, M | A | A | P | | | |
| | | | 17 | Arnold, F / Okumura, M | A | A | P | | | |
| | | | 18 | Hadt, R / Okumura, M | A | A | P | | | |
| | | | 19 | Okumura, M | A | A | P | | | |
| | | | 21 | Okumura, M / Clemons, W | A | A | P | | | |
| | | | 22 | Reisman, S / Okumura, M | A | A | P | | | |
| | | | 23 | Robb, M / Okumura, M | A | A | P | | | |
| | | | 24 | Agapie, T / Okumura, M | A | A | P | | | |
| | | | 25 | Fu, G / Okumura, M | A | A | P | | | |
| | | | 26 | Newman, D / Okumura, M | A | A | P | | | |
| | | | 27 | Hoelz, A / Okumura, M | A | A | P | | | |
| | | | 28 | Mayo, S / Okumura, M | A | A | P | | | |
| | | | Ch/ChE 091 | 2-0-1 | Scientific Writing | 01 | Weitekamp, D | M 14:00 - 15:55 | 101 SCH | G |
| | | | Ch 101 | 1-0-2 | Chemistry Tutorials: Historical and Novel Applications of Electrochemical Technologies <i>Lecture classes meet in Crellin 151 on 4/4, 4/18, 5/2, 5/16, 5/23, and 5/30 for 1 hour // Lab meet in</i> | 01 | Stoltz, B / See, K | R 13:00 - 13:55 | 151 CRL | P |
| | | | | | | | | R 13:00 - 15:55 | B157 CRL | |

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|------------------|-----------|---|----------------|-------------------------------------|-------------------------------------|--------------------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 102 | 4-0-5 | Introduction to Inorganic Chemistry <i>class will meet in 151 Crellin on 4/18/24</i> | 01 | Hadt, R | TR 10:30 - 11:55 | 147 NYS | |
| Ch/Bi 111 | 4-0-8 | Biochemistry of Gene Expression | 01 | Parker, C / Semlow, D | W 14:00 - 15:55 TR 11:00 - 11:55 | 320 BRN 320 BRN | |
| Ch 120B | 1-1-7 | Nature of the Chemical Bond | 01 | Goddard, W | W 15:00 - 15:55 | 115 BCK | |
| Ch 121A | 3-0-6 | Atomic-Level Simulations of Materials and Molecules | 01 | Goddard, W / Das, T | MWF 14:00 - 14:55 | 115 BCK | |
| Ch 135 | 3-0-6 | Chemical Kinetics and Reaction Dynamics <i>class cancelled</i> | 01 | Staff | A | A | |
| Ch 143 | 3-0-6 | NMR Spectroscopy for Structural Identification | 01 | Virgil, S | MWF 11:00 - 11:55 | 147 NYS | |
| ChE/Ch 155 | 1.5-0-7.5 | Chemistry of Catalysis <i>2024 class in development with limited enrollment; class full. 2025 onward offered annually.</i> | 01 | Manthiram, K | A | A | |
| ESE/Ge/Ch 171 | 3-0-6 | Atmospheric Chemistry I | 01 | Wennberg, P | TR 13:00 - 14:25 | B122 GCL | |
| Ch 180 | + | Chemical Research | 01 02 03 | Agapie, T Eiler, J Goddard, W | A A A | A A A | P P P |
| BMB/Ch 202C | 1-0-0 | Biochemistry Seminar Course | 01 | Clemons, W | R 12:00 - 12:55 | 101 SCH | P |
| Ch 213C | 1-0-11 | Advanced Ligand Field Theory | 01 | Gray, H | F 13:00 - 13:55 | 408 BCK | G |
| Ch 226 | 3-0-6 | Optical and Nonlinear Spectroscopy | 01 | Blake, G / Cushing, S | TR 13:00 - 14:25 | 101 SCH | |
| Ch 279 | + | Rotations in Chemistry | 01 02 | Agapie, T Arnold, F | A A | A A | P P |

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|------------------|-------|------------------------|---------|-----------------|-----------|----------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 279 | + | Rotations in Chemistry | 03 | Atwater, H | A | A | P |
| | | | 05 | Beauchamp, J | A | A | P |
| | | | 06 | Bjorkman, P | A | A | P |
| | | | 07 | Blake, G | A | A | P |
| | | | 08 | Blanquart, G | A | A | P |
| | | | 09 | Campbell, J | A | A | P |
| | | | 10 | Chan, G | A | A | P |
| | | | 11 | Clemons, W | A | A | P |
| | | | 12 | Cushing, S | A | A | P |
| | | | 13 | Davis, M | A | A | P |
| | | | 15 | Dougherty, D | A | A | P |
| | | | 16 | Elowitz, M | A | A | P |
| | | | 17 | Fu, G | A | A | P |
| | | | 18 | Goddard, W | A | A | P |
| | | | 19 | Gray, H | A | A | P |
| | | | 20 | Greer, J | A | A | P |
| | | | 22 | Hadt, R | A | A | P |
| | | | 24 | Hoelz, A | A | A | P |
| | | | 25 | Hoffmann, M | A | A | P |
| | | | 26 | Hsieh-Wilson, L | A | A | P |
| | | | 27 | Ismagilov, R | A | A | P |
| | | | 29 | Kornfield, J | A | A | P |
| | | | 30 | Lester, H | A | A | P |
| | | | 31 | Lewis, N | A | A | P |
| | | | 32 | Mayo, S | A | A | P |
| | | | 34 | Newman, D | A | A | P |
| | | | 35 | Okumura, M | A | A | P |
| | | | 37 | Peters, J | A | A | P |
| | | | 38 | Pierce, N | A | A | P |
| | | | 39 | Rees, D | A | A | P |
| | | | 40 | Reisman, S | A | A | P |
| | | | 41 | Robb, M | A | A | P |
| | | | 43 | See, K | A | A | P |

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|------------------|-----------------|------------------------|---------|--------------|-------------------|----------|--------------|---|---|---|
| CHEMISTRY | | | | | | | | | | |
| Ch 279 | + | Rotations in Chemistry | 44 | Seinfeld, J | A | A | P | | | |
| | | | 45 | Shan, S | A | A | P | | | |
| | | | 46 | Shapiro, M | A | A | P | | | |
| | | | 47 | Sternberg, P | A | A | P | | | |
| | | | 48 | Stoltz, B | A | A | P | | | |
| | | | 49 | Tirrell, D | A | A | P | | | |
| | | | 50 | Wang, Z | A | A | P | | | |
| | | | 51 | Wei, L | A | A | P | | | |
| | | | 52 | Weitekamp, D | A | A | P | | | |
| | | | 53 | Wennberg, P | A | A | P | | | |
| | | | 54 | Manthiram, K | A | A | P | | | |
| | | | 55 | Nelson, H | A | A | P | | | |
| | | | Ch 280 | + | Chemical Research | 01 | Arnold, F | A | A | P |
| | | | | | | 02 | Agapie, T | A | A | P |
| 03 | Demirer, G | A | | | | A | P | | | |
| 04 | Beauchamp, J | A | | | | A | P | | | |
| 05 | Bercaw, J | A | | | | A | P | | | |
| 06 | Blake, G | A | | | | A | P | | | |
| 07 | Shan, S | A | | | | A | P | | | |
| 08 | Bjorkman, P | A | | | | A | P | | | |
| 09 | Cai, L | A | | | | A | P | | | |
| 10 | Davis, M | A | | | | A | P | | | |
| 12 | Dougherty, D | A | | | | A | P | | | |
| 13 | Eiler, J | A | | | | A | P | | | |
| 14 | Chong, S | A | | | | A | P | | | |
| 15 | Giapis, K | A | | | | A | P | | | |
| 16 | Goddard, W | A | | | | A | P | | | |
| 17 | Gray, H | A | | | | A | P | | | |
| 18 | Manthiram, K | 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 | | | | | | |

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|------------------|-------|-------------------|---------|--------------|-----------|----------|--------------|
| CHEMISTRY | | | | | | | |
| Ch 280 | + | Chemical Research | 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 |
| | | | 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 | Chan, G | A | A | P |
| | | | 40 | Robb, M | A | A | P |
| | | | 41 | Atwater, H | A | A | P |
| | | | 42 | Pierce, N | A | A | P |
| | | | 43 | Hoffmann, M | 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 | Wei, L | A | A | P |
| | | | 52 | Tirrell, D | A | A | P |
| | | | 53 | Deshaies, R | A | A | P |
| | | | 54 | Shapiro, M | A | A | P |
| | | | 56 | Newman, D | A | A | P |
| | | | 57 | Greer, J | A | A | P |
| | | | 58 | Blanquart, G | A | A | P |

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| CHEMISTRY | | | | | | | |
| Ch 280 | + | Chemical Research | 60 | Yeh, N | A | A | P |
| | | | 61 | Asimow, P | A | A | P |
| | | | 62 | Elowitz, M | A | A | P |
| | | | 63 | See, K | A | A | P |
| | | | 64 | Tai, Y | A | A | P |
| | | | 65 | Cushing, S | A | A | P |
| | | | 66 | Hadt, R | A | A | P |
| | | | 67 | Parker, J | A | A | P |
| | | | 68 | Voorhees, R | A | A | P |
| | | | 69 | Van Valen, D | A | A | P |
| | | | 70 | Faber, K | A | A | P |
| | | | 71 | Semlow, D | A | A | P |
| | | | 72 | Bernardi, M | A | A | P |
| | | | 73 | Nelson, H | A | A | P |
| | | | 74 | Anandkumar, A | A | A | P |
| | | | 75 | Chou, T | A | A | P |
| | | | 76 | Demirer, G | A | A | P |
| | | | 77 | McFall-Ngai, M | A | A | P |
| | | | 78 | Brown, M | A | A | P |
| 79 | Wang, K | A | A | P | | | |
| CIVIL ENGINEERING | | | | | | | |
| Ae/APh/CE/ME 101C | 3-0-6 | Fluid Mechanics | 01 | Colonius, T | MWF 10:00 - 10:55 | 135 GTL | |
| Ae/AM/CE/ME 102C | 3-0-6 | Mechanics of Structures and Solids | 01 | Pellegrino, S | TR 09:00 - 10:25 | 133 GUG | G |
| AM/CE/ME 150C | 1-0-0 | Graduate Engineering Seminar | 01 | Lapusta, N | R 11:00 - 11:55 | 135 GTL | P |
| AM/CE 151 | 3-0-6 | Dynamics and Vibration | 01 | Lavrentiadis, G / Asimaki, D | TR 13:00 - 14:25 | 115 GTL | |
| CE 200 | + | Advanced Work in Civil Engineering | 01 | Staff | A | A | P |

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| CIVIL ENGINEERING | | | | | | | |
| CE 300 | + | Research in Civil Engineering | 01 | Pellegrino, S | A | A | P |
| | | | 04 | Andrade, J | A | A | P |
| | | | 05 | Lapusta, N | A | A | P |
| | | | 06 | Asimaki, D | A | A | P |
| | | | 07 | Daraio, C | A | A | P |
| | | | 08 | Fu, X | A | A | P |
| COMPUTATION & NEURAL SYS | | | | | | | |
| Psy/CNS 105A | 1.5-0-3.5 | Frontiers in Neuroeconomics | 01 | O'Doherty, J | T 14:30 - 15:55 | 115 DAB | G |
| Ge/Bi/BE/CNS/ESE 14 | 6-0-0 | Challenges and Opportunities in Quantitative Ecology | 01 | Fischer, W / Tejada Lara, J | M 15:00 - 15:55 | 254 SMD | P |
| EE/CNS/CS 148 | 3-0-9 | Advanced Topics in Vision: Large Language and Vision Models <i>Students expected to have completed CMS 155 prior to term start.</i> | 01 | Perona, P / Gkioxari, G | TR 10:30 - 11:55 | B270 MRE | |
| NB/Bi/CNS 150 | 4-0-6 | Introduction to Neuroscience | 01 | Adolphs, R / Lester, H | R 14:00 - 14:55 MWF 10:00 - 10:55 | 101 KRK 130 CNRB | G |
| | | | 02 | Lester, H / Adolphs, R | MWF 10:00 - 10:55 R 11:00 - 11:55 | 130 CNRB 152 BRN | G |
| | | | 03 | Adolphs, R / Lester, H | MWF 10:00 - 10:55 R 20:00 - 20:55 | 130 CNRB 101 KRK | G |
| | | | 04 | Adolphs, R / Lester, H | MWF 10:00 - 10:55 R 19:00 - 19:55 | 130 CNRB 101 KRK | G |
| NB/Bi/CNS 154 | 3-0-6 | Principles of Neuroscience | 01 | Meister, M | TR 13:00 - 14:25 | B101 BBB | |
| CS/CNS/EE 156B | 3-1-5 | Learning Systems | 01 | Abu-Mostafa, Y | TR 14:30 - 15:55 | B270 MRE | |
| NB/Bi/CNS 157 | 2-3-4 | Comparative Nervous Systems <i>class full, see instructor for waitlist // class will meet in BRD 200 for inclement weather</i> | 01 | Allman, J | F 14:00 - 15:55 | Courtyard ALLES | G |

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|-------------------------------------|-------|--|---------|----------------|------------------|----------|--------------|
| COMPUTATION & NEURAL SYS | | | | | | | |
| CS/CNS/EE/IDS 159 | 3-0-6 | Advanced Topics in Machine Learning | 01 | Yue, Y | TR 14:30 - 15:55 | 105 ANB | |
| CNS180 | + | Research in Computation and Neural Systems | 01 | Anandkumar, A | 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 |
| | | | 10 | Elowitz, M | A | A | P |
| | | | 11 | Rutishauser, U | A | A | P |
| | | | 12 | Murray, R | A | A | P |
| | | | 13 | Rutishauser, U | 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 | Winfrey, 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 | Thomson, M | 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 |

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|-------------------------------------|-------|--|---------|----------------|------------------|-----------|--------------|
| COMPUTATION & NEURAL SYS | | | | | | | |
| CNS180 | + | Research in Computation and Neural Systems | 32 | Hong, E | A | A | P |
| | | | 33 | Ames, A | A | A | P |
| | | | 34 | Pachter, L | A | A | P |
| | | | 35 | Van Valen, D | A | A | P |
| | | | 37 | Mobbs, D | A | A | P |
| | | | 38 | Mazmanian, S | A | A | P |
| | | | 39 | Oka, Y | A | A | P |
| | | | 40 | Lois, C | A | A | P |
| BE/CS/CNS/Bi 191B | 2-4-3 | Biomolecular Computation <i>class cancelled</i> | 01 | Winfree, E | A | A | |
| NB/Bi/CNS 220 | 2-0-4 | Genetic Dissection of Neural Circuit Function <i>class cancelled</i> | 01 | Anderson, D | A | A | |
| Bi/BE/CNS/NB 241 | 1-8-0 | Spatial Genomics <i>maximum enrollment: 6 students</i> | 01 | Cai, L | M 11:00 - 11:55 | B115 CNRB | |
| NB/Bi/CNS 250C | 3-0-6 | Topics in Systems Neuroscience | 01 | Siapas, A | W 14:00 - 16:55 | 130 CNRB | |
| Psy/Bi/CNS 255 | 3-0-6 | Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i> | 01 | Mobbs, D | W 10:00 - 12:55 | B119 BAX | |
| CNS/Bi/NB 256 | 2-0-4 | Brain-machine Interfaces | 01 | Andersen, R | MW 13:00 - 13:55 | 330 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 | Hong, E | A | A | P |
| | | | 11 | Camerer, C | A | A | P |

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|-------------------------------------|-------|--|-------------------------|----------------|--|----------|--------------|-------------------------------------|--------------------|--------|
| COMPUTATION & NEURAL SYS | | | | | | | | | | |
| CNS280 | + | Research in Computation and Neural Systems | 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 | Winfrey, 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 | | | |
| | | | 27 | Gradinaru, V | A | A | P | | | |
| | | | 28 | Lois, C | A | A | P | | | |
| | | | 29 | Thomson, M | A | A | P | | | |
| | | | 30 | Mobbs, D | A | A | P | | | |
| | | | 31 | Rutishauser, U | A | A | P | | | |
| | | | 32 | Van Valen, D | A | A | P | | | |
| | | | 33 | Hong, E | A | A | P | | | |
| | | | 34 | Gkioxari, G | A | A | P | | | |
| | | | 35 | Parker, J | A | A | P | | | |
| | | | 36 | Yue, Y | A | A | P | | | |
| | | | 37 | Ames, A | A | A | P | | | |
| | | | COMPUTER SCIENCE | | | | | | | |
| | | | CS 001 | 3-4-2 | Introduction to Computer Programming | 01 | Hovik, M | MWF 13:00 - 13:55 | 104 ANB | P |
| | | | CS 003 | 2-6-1 | Introduction to Software Design <i>maximum enrollment: 15 students per section // section 5 cancelled</i> | 01 | Blank, A | MW 13:00 - 13:55 | 105 ANB | G |
| | | | | | | 02 | Blank, A | T 10:00 - 10:55 MW 13:00 - 13:55 | 106 ANB 105 ANB | G G |

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|-------------------------|-------|--|---------|-------------------------|--------------------|-----------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS 003 | 2-6-1 | Introduction to Software Design <i>maximum enrollment: 15 students per section // section 5 cancelled</i> | 02 | Blank, A | T 11:00 - 11:55 | 106 ANB | G |
| | | | 03 | Blank, A | MW 13:00 - 13:55 | 105 ANB | G |
| | | | | | T 12:00 - 12:55 | 106 ANB | |
| | | | 04 | Blank, A | MW 13:00 - 13:55 | 105 ANB | G |
| | | | | | T 13:00 - 13:55 | 106 ANB | |
| | | | 05 | Blank, A | A | A | G |
| | | | 06 | Blank, A | MW 13:00 - 13:55 | 105 ANB | G |
| | | | | | T 15:00 - 15:55 | 106 ANB | |
| | | | 07 | Blank, A | MW 13:00 - 13:55 | 105 ANB | G |
| | | | | | T 16:00 - 16:55 | 106 ANB | |
| | | | 08 | Blank, A | MW 13:00 - 13:55 | 105 ANB | G |
| | | | | | T 17:00 - 17:55 | 106 ANB | |
| | | | 09 | Blank, A | MW 13:00 - 13:55 | 105 ANB | G |
| | | | | | T 18:00 - 18:55 | 106 ANB | |
| Ma/CS 006C | 3-0-6 | Introduction to Discrete Mathematics <i>taught concurrently with Ma 106c</i> | 01 | Kechris, A | TR 13:00 - 14:25 | 310 LINDE | |
| EE/CS 010B | 2-3-1 | Introduction to Digital Logic and Embedded Systems | 01 | George, G | TF 15:00 - 15:55 | B280 MRE | |
| CS 011 | 0-3-0 | Computer Language Lab: Rust Track <i>maximum enrollment: 10 students between CS 11 and 111</i> | 15 | Vanier, M | OM,M 21:00 - 21:55 | 105 ANB | P |
| CS 012 | + | Student-Taught Topics in Computing <i>Sec 1: cancelled // Sec 2: TensorFlow (3 units)</i> | 01 | Staff | A | A | P |
| CS 012 | 0-0-0 | Student-Taught Topics in Computing <i>Sec 1: cancelled // Sec 2: TensorFlow (3 units)</i> | 02 | Vanier, M | T 20:00 - 20:55 | 105 ANB | P |
| CS 038 | 3-0-6 | Algorithms | 01 | Schroeder, P | TR 09:00 - 10:25 | 125 KRK | |
| CS/EE/ME 075C | + | Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2-9-1)</i> | 01 | Carpenter, K / Chung, S | M 16:00 - 17:55 | 104 ANB | |

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|-------------------------|-------------|----------------------|---------|----------------|---|----------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS 080C | + | Undergraduate Thesis | 01 | Schroeder, P | A | A | P |
| | | | 02 | Murray, R | A | A | P |
| | | | 03 | Winfree, E | A | A | P |
| | | | 04 | Barr, A | A | A | P |
| | | | 05 | Katz, N | A | A | P |
| | | | 06 | Perona, P | A | A | P |
| | | | 07 | Yue, Y | A | A | P |
| | | | 08 | Bruck, J | A | A | P |
| | | | 10 | Schulman, L | A | A | P |
| | | | 11 | Umans, C | A | A | P |
| | | | 12 | Bouman, K | A | A | P |
| | | | 13 | Wierman, A | A | A | P |
| | | | 14 | Chung, S | A | A | P |
| | | | 15 | Adolphs, R | A | A | P |
| | | | 16 | Anandkumar, A | A | A | P |
| | | | 17 | Fischer, W | A | A | P |
| | | | 18 | Mirhosseini, M | A | A | P |
| | | | CS 081C | + | Undergraduate Projects in Computer Science <i>enrollment by instructor permission only</i> | 01 | Schulman, L |
| 02 | Barr, A | A | | | | A | P |
| 03 | Chandy, K | 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 |

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| COMPUTER SCIENCE | | | | | | | |
| CS 081C | + | Undergraduate Projects in Computer Science <i>enrollment by instructor permission only</i> | 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 |
| | | | 23 | Vidick, T | A | A | P |
| | | | 24 | Hajimiri, S | A | A | P |
| | | | 25 | Ralph, C | A | A | P |
| | | | 26 | Rangel, A | A | A | P |
| | | | 27 | Alvarez, R | A | A | P |
| | | | 28 | Bunn, J | A | A | P |
| | | | 29 | Thomson, M | A | A | P |
| | | | 30 | Chung, S | A | A | P |
| | | | 31 | Lombeyda, S | A | A | P |
| | | | 32 | Blank, A | A | A | P |
| | | | 33 | Anandkumar, A | A | A | P |
| | | | 34 | Van Valen, D | A | A | P |
| | | | 35 | Tamuz, O | A | A | P |
| | | | 36 | Bouman, K | A | A | P |
| | | | 37 | Pachter, L | A | A | P |
| | | | 38 | Sternberg, P | A | A | P |
| | | | 39 | Qian, L | A | A | P |
| | | | 40 | Ames, A | A | A | P |
| | | | 41 | Emami, A | A | A | P |
| | | | 42 | Mushkin, H | A | A | P |
| | | | 43 | Shapiro, M | A | A | P |
| | | | 44 | Baptista, R | A | A | P |
| | | | 45 | Hovik, M | A | A | P |
| | | | 46 | Mazumdar, E | A | A | P |
| | | | 47 | Bruno, O | A | A | P |
| 48 | Tropp, J | A | A | P | | | |
| 49 | Hsieh-Wilson, L | A | A | P | | | |
| CS 090 | + | Undergraduate Reading in Computer Science <i>enrollment by instructor permission only</i> | 01 | Winfree, E | A | A | P |
| | | | 02 | Barr, A | A | A | P |

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| COMPUTER SCIENCE | | | | | | | |
| CS 090 | + | Undergraduate Reading in Computer Science <i>enrollment by instructor permission only</i> | 03 | Low, S | A | A | P |
| | | | 04 | Umans, C | A | A | P |
| | | | 05 | Bruck, J | A | A | P |
| | | | 06 | Pinkston, D | 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 |
| | | | 13 | Yue, Y | A | A | P |
| | | | 14 | Abu-Mostafa, Y | A | A | P |
| | | | 15 | Vidick, T | A | A | P |
| | | | 16 | Anandkumar, A | A | A | P |
| | | | 18 | Ralph, C | A | A | P |
| | | | 19 | Anderson, D | A | A | P |
| | | | 20 | Chung, S | A | A | P |
| 21 | Bronner Hansen, M | A | A | P | | | |
| 22 | Gkioxari, G | A | A | P | | | |
| 23 | Stuart, A | A | A | P | | | |
| CS 101 | 0-0-0 | Special Topics in Computer Science: Pedagogy in Computer Science <i>3 units (1-0-2) // enrollment by instructor permission only // maximum enrollment: 20 students</i> | 01 | Blank, A / Bryant, J | OM,T 19:00 - 19:55 | 106 ANB | G |
| CS 101 | + | Special Topics in Computer Science: Database System Implementation <i>Enrollment only by instructor's permission / not open to general enrollment</i> | 02 | Pinkston, D | A | A | P |
| CS 102C | + | Seminar in Computer Science <i>class cancelled</i> | 01 | Staff | A | A | |
| CS 103C | + | Reading in Computer Science | 01 | Staff | A | A | P |

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| COMPUTER SCIENCE | | | | | | | |
| Ma/CS 106C | 3-0-6 | Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 006c</i> | 01 | Kechris, A | TR 13:00 - 14:25 | 310 LINDE | |
| CS 111 | 0-3-0 | Graduate Programming Practicum: Rust track <i>maximum enrollment: 10 students between CS 11 and 111</i> | 15 | Vanier, M | OM,M 21:00 - 21:55 | 105 ANB | P |
| CS 115 | 3-4-2 | Functional Programming | 01 | Vanier, M | MWF 14:00 - 14:55 | 105 ANB | G |
| CS 124 | 3-6-3 | Operating Systems | 01 | Pinkston, D | MWF 13:00 - 13:55 | 213 ANB | |
| ME/CS/EE 129 | 1-7-1 | Experimental Robotics | 01 | Niemeyer, G | MWF 13:00 - 13:55 | 135 GTL | |
| CS 131 | 3-0-6 | Programming Languages <i>maximum enrollment: 30 students // CS 4 (in OCaml) is a hard prerequisite (i.e. CS 4 starting in Winter 2016) // CS majors get top priority</i> | 01 | Vanier, M | MWF 15:00 - 15:55 | 213 ANB | G |
| CS 132 | 3-0-6 | Web Development | 01 | Hovik, M | TR 10:30 - 11:55 | 105 ANB | |
| CS 137 | 0-3-9 | Real-World Algorithm Implementation <i>maximum enrollment: 30 students</i> | 01 | Blank, A | OM,M 20:00 - 20:55 | 106 ANB | G |
| CS 138 | 3-0-6 | Computer Algorithms | 01 | Schroeder, P | TR 09:00 - 10:25 | 125 KRK | |
| CS/EE/IDS 143 | 3-4-5 | Networks: Algorithms & Architecture <i>class cancelled</i> | 01 | Staff | A | A | |
| CS/EE 145 | 0-0-9 | Projects in Networking | 01 | Wierman, A | OM,M 10:00 - 10:55 | 105 ANB | |
| CS/EE 146 | 3-3-3 | Control and Optimization of Networks | 01 | Low, S | TR 10:30 - 11:55 | 314 ANB | |
| EE/CNS/CS 148 | 3-0-9 | Advanced Topics in Vision: Large Language and Vision Models <i>Students expected to have completed CMS 155</i> | 01 | Perona, P / Gkioxari, G | TR 10:30 - 11:55 | B270 MRE | |

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|-------------------------|-------|--|---------|----------------|-------------------|------------------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS/Ec 149 | 3-0-6 | Algorithmic Economics | 01 | Niemeyer, A | MW 13:00 - 14:25 | 125 BAX | G |
| CS/IDS 153 | 3-0-6 | Current Topics in Theoretical Computer Science <i>section 1: cancelled // section 2: Topics in the Intersection of Theoretical CS and Quantum Computing, pass-fail only</i> | 01 | Umans, C | A | A | 314 ANB |
| | | | 02 | Mahadev, U | F 13:00 - 15:55 | | |
| CS/CNS/EE 156B | 3-1-5 | Learning Systems | 01 | Abu-Mostafa, Y | TR 14:30 - 15:55 | B270 MRE | |
| IDS/ACM/CS 157 | 3-2-4 | Statistical Inference | 01 | Zuev, K | TR 09:00 - 10:25 | Lecture Hall BAX | |
| CS/CNS/EE/IDS 159 | 3-0-6 | Advanced Topics in Machine Learning | 01 | Yue, Y | TR 14:30 - 15:55 | 105 ANB | |
| CS/EE/IDS 166 | 3-3-6 | Computational Cameras | 01 | Bouman, K | TR 13:00 - 14:25 | 104 ANB | |
| ME/CS/EE 169 | 1-7-1 | Mobile Robots | 01 | Niemeyer, G | MWF 15:00 - 15:55 | 135 GTL | |
| CS 179 | 3-3-3 | GPU Programming | 01 | Barr, A | MWF 15:00 - 15:55 | 105 ANB | |
| CS 180 | + | Master's Thesis Research | 01 | Abu-Mostafa, Y | A | A | P |
| | | | 03 | Chandy, K | A | A | P |
| | | | 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 |

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|-------------------------|-------------|--|---------|----------------|-----------------------------|----------|----------------|---|---|---|
| COMPUTER SCIENCE | | | | | | | | | | |
| BE/CS/CNS/Bi 191B | 2-4-3 | Biomolecular Computation <i>class cancelled</i> | 01 | Winfree, E | A | A | | | | |
| BE/CS 196B | 2-4-3 | Design and Construction of Programmable Molecular Systems <i>instructor permission required for enrollment</i> | 01 | Qian, L | T 16:00 - 17:55 | 111 KCK | | | | |
| Ph/CS 219C | 3-0-6 | Quantum Computation | 01 | Preskill, J | 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 | | | |
| | | | 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 | | | |
| | | | 13 | Kitaev, A | A | A | P | | | |
| | | | 14 | Wierman, A | A | A | P | | | |
| | | | 15 | Winfree, E | A | A | P | | | |
| | | | 16 | Doyle, J | A | A | P | | | |
| | | | 17 | Vidick, T | A | A | P | | | |
| | | | 18 | Yue, Y | A | A | P | | | |
| | | | 19 | Gkioxari, G | A | A | P | | | |
| | | | CS 282C | + | Reading 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 | | | |
| 06 | Winfree, E | A | | | | A | P | | | |
| 07 | Low, S | A | | | | A | P | | | |
| 08 | Martin, A | A | | | | A | P | | | |
| 09 | Chandy, K | A | | | | A | P | | | |

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|--|---------------|---|---------|-------------------|-----------------|----------|--------------|
| COMPUTER SCIENCE | | | | | | | |
| CS 282C | + | Reading In Computer Science | 10 | Perona, P | A | A | P |
| | | | 11 | Schroeder, P | A | A | P |
| | | | 13 | Kitaev, A | A | A | P |
| | | | 14 | Wierman, A | A | A | P |
| | | | 15 | Winfree, E | A | A | P |
| | | | 16 | Doyle, J | A | A | P |
| | | | 17 | Vidick, T | A | A | P |
| | | | 18 | Yue, Y | A | A | P |
| | | | 19 | Gkioxari, G | A | A | P |
| COMPUTING AND MATHEMATICAL SCIENCES | | | | | | | |
| CMS290C | 1-0-0 | Computing and Mathematical Sciences Colloquium | 01 | Hoffmann, F | 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 |
| | | | 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 | | | |
| 17 | Yue, Y | A | A | P | | | |
| 18 | Pachter, L | A | A | P | | | |
| 19 | Anandkumar, A | A | A | P | | | |
| 20 | Thomson, M | A | A | P | | | |
| 21 | Stuart, A | A | A | P | | | |

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|--|-------|---|---------|--------------|-------------------------------------|--------------------|--------------|
| COMPUTING AND MATHEMATICAL SCIENCES | | | | | | | |
| CMS300 | + | Research in Computing and Mathematical Sciences | 22 | Van Valen, D | A | A | P |
| | | | 23 | Bouman, K | A | A | P |
| | | | 24 | Bruck, J | A | A | P |
| | | | 25 | Chung, S | A | A | P |
| | | | 26 | Gkioxari, G | A | A | P |
| | | | 27 | Mazumdar, E | A | A | P |
| CONTROL & DYNAMICAL SYSTEMS | | | | | | | |
| CDS090C | 0-0-9 | Senior Thesis in Control & Dynamical Systems | 01 | Murray, R | A | A | G |
| CDS110 | 3-3-3 | Analysis and Design of Feedback Control Systems <i>taught concurrently with ChE105</i> | 01 | Murray, R | MWF 14:00 - 14:55 | 106 SPL | |
| CDS190 | + | Independent Work in Control and Dynamical Systems | 01 | Chung, S | A | A | P |
| CDS212 | 3-0-6 | Optimal Control and Estimation | 01 | Chung, S | TR 10:30 - 11:55 | 104 ANB | |
| CDS233 | 3-0-6 | Nonlinear Control | 01 | Ames, A | MWF 16:00 - 17:25 | 135 GTL | |
| ME/CDS 235B | 3-3-3 | Advanced Robotics: Kinematics | 01 | Burdick, J | TR 16:00 - 16:55 W 11:00 - 11:55 | 115 GTL 115 GTL | |
| 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 |
| | | | 12 | Ortiz, M | A | A | P |

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|--|-------|--|---------|------------------|------------------|----------|--------------|
| CONTROL & DYNAMICAL SYSTEMS | | | | | | | |
| CDS300C | + | Research in Control and Dynamical Systems | 13 | Adolphs, R | A | A | P |
| | | | 14 | Siapas, A | A | A | P |
| | | | 16 | Ames, A | A | A | P |
| | | | 17 | Chung, S | A | A | P |
| ECONOMICS | | | | | | | |
| Ec 097 | + | Undergraduate Research <i>Instructor permission required prior to registering</i> | 01 | Nielsen, K | A | A | P |
| | | | 02 | Saito, K | A | A | P |
| | | | 03 | Niemeyer, A | A | A | P |
| | | | 04 | Camerer, C | A | A | P |
| | | | 05 | Pomatto, L | A | A | P |
| Ec 098C | + | Senior Research and Thesis <i>Instructor permission required prior to registering</i> | 01 | Camerer, C | A | A | P |
| Ec 105 | 3-0-6 | Firms, Competition, and Industrial Organization <i>class cancelled</i> | 01 | Staff | A | A | G |
| Ec 108 | 3-0-6 | Foundations of Behavioral Economics | 01 | Sprenger, C | TR 13:00 - 14:25 | 125 BAX | |
| Ec 117 | 3-0-6 | Matching Markets | 01 | Caradonna, P | TR 09:00 - 10:25 | 128 BAX | G |
| BEM/Ec/ESE 119 | 3-0-6 | Environmental Economics <i>maximum enrollment: 45 students</i> | 01 | Druckenmiller, H | TR 10:30 - 11:55 | 155 ARM | G |
| PS/Ec 128 | 3-0-6 | Introduction to Public Health Economics and Policy <i>maximum enrollment: 15 students</i> | 01 | Cao, C | TR 09:00 - 10:25 | B119 BAX | G |
| CS/Ec 149 | 3-0-6 | Algorithmic Economics | 01 | Niemeyer, A | MW 13:00 - 14:25 | 125 BAX | G |
| ELECTRICAL ENGINEERING | | | | | | | |
| EE/CS 010B | 2-3-1 | Introduction to Digital Logic and Embedded Systems | 01 | George, G | TF 15:00 - 15:55 | B280 MRE | |

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|-------------------------------|-------|---|---------|-------------------------|--------------------|----------|--------------|
| ELECTRICAL ENGINEERING | | | | | | | |
| APh/EE 024 | 3-0-6 | Introductory Optics and Photonics Laboratory | 01 | Vahala, K | TR 09:00 - 10:25 | 133 STL | |
| EE 045 | 3-3-6 | Electronics Systems and Laboratory | 01 | Emami, A | TR 09:00 - 10:25 | B280 MRE | |
| CS/EE/ME 075C | + | Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2-9-1)</i> | 01 | Carpenter, K / Chung, S | M 16:00 - 17:55 | 104 ANB | |
| EE 080C | + | Senior Thesis | 01 | Vaidyanathan, P | A | A | P |
| | | | 02 | Scherer, A | A | A | P |
| | | | 03 | Hajimiri, S | A | A | P |
| | | | 04 | Hassibi, B | A | A | P |
| | | | 05 | Tai, Y | A | A | P |
| | | | 06 | Effros, M | A | A | P |
| | | | 07 | Doyle, J | A | A | P |
| | | | 09 | Emami, A | A | A | P |
| | | | 10 | George, G | A | A | P |
| | | | 12 | Van Valen, D | A | A | P |
| | | | 13 | Marandi, A | A | A | P |
| | | | 14 | Yue, Y | A | A | P |
| | | | 15 | Chandrasekaran, V | A | A | P |
| | | | 16 | Low, S | A | A | P |
| | | | 17 | Perona, P / Chung, S | A | A | P |
| | | | 18 | George, G | A | A | P |
| | | | 19 | Mirhosseini, M | A | A | P |
| | | | 20 | Hallinan, G | A | A | P |
| | | | 21 | Yang, C | A | A | P |
| EE 090 | 1-8-0 | Analog Electronics Project Laboratory | 01 | Kalantar Ohanian, R | OM,T 16:00 - 16:55 | B270 MRE | G |
| 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 |

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|-------------------------------|-------|---|------------|---------------------|---|-----------|--------------|--------------------|----------|---|
| ELECTRICAL ENGINEERING | | | | | | | | | | |
| EE 099 | + | Advanced Work in Electrical Engineering | 05 | Marandi, A | 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 | Gharib, M | A | A | P | | | |
| | | | 15 | Yariv, A | A | A | P | | | |
| | | | 16 | Bruck, J | A | A | P | | | |
| | | | 17 | Doyle, J | A | A | P | | | |
| | | | 18 | Atwater, H | A | A | P | | | |
| | | | 19 | Effros, M | A | A | P | | | |
| | | | 20 | Kalantar Ohanian, R | A | A | P | | | |
| | | | 21 | Kostina, V | A | A | P | | | |
| | | | 22 | Marandi, A | A | A | P | | | |
| | | | EE 105B | 1-0-0 | Electrical Engineering Seminar | 01 | Emami, A | A | A | P |
| | | | EE 105C | 1-0-0 | Electrical Engineering Seminar <i>class cancelled - offered as EE 105B</i> | 01 | Staff | A | A | P |
| | | | APh/EE 109 | 0-6-3 | Introduction to the Micro/Nanofabrication Lab | 01 | Ghaffari, A | OM,W 16:00 - 16:55 | 104 WAT | |
| | | | EE 110C | 3-4-2 | Embedded Systems Design Laboratory | 01 | George, G | T 19:00 - 20:55 | B280 MRE | |
| Ph/APh/EE/BE 118A | 3-0-6 | Physics of Measurement | 01 | Roukes, M | TR 14:30 - 15:55 | 387 LINDE | | | | |
| ME/CS/EE 129 | 1-7-1 | Experimental Robotics | 01 | Niemeyer, G | MWF 13:00 - 13:55 | 135 GTL | | | | |

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|-------------------------------|-------|--|----------|-------------------------|--------------------------------------|----------------------|--------------|
| ELECTRICAL ENGINEERING | | | | | | | |
| CS/EE/IDS 143 | 3-4-5 | Networks: Algorithms & Architecture <i>class cancelled</i> | 01 | Staff | A | A | |
| CS/EE 145 | 0-0-9 | Projects in Networking | 01 | Wierman, A | OM,M 10:00 - 10:55 | 105 ANB | |
| CS/EE 146 | 3-3-3 | Control and Optimization of Networks | 01 | Low, S | TR 10:30 - 11:55 | 314 ANB | |
| EE/CNS/CS 148 | 3-0-9 | Advanced Topics in Vision: Large Language and Vision Models <i>Students expected to have completed CMS 155 prior to term start.</i> | 01 | Perona, P / Gkioxari, G | TR 10:30 - 11:55 | B270 MRE | |
| EE 150 | 3-0-6 | Topics in Electrical Engineering <i>Sec 1: ECAD Tool Design - Assemblers, Compilers, and Debuggers, pass-fail only / Sec 2: (A bit of) Deep learning Theory, letter graded only</i> | 01 02 | George, G Hassibi, B | TR 13:00 - 14:25 TR 09:00 - 10:25 | B280 MRE B270 MRE | |
| EE 151 | 3-0-6 | Electromagnetic Engineering | 01 | Yang, C | TR 11:00 - 12:25 | B280 MRE | |
| EE 154B | 2-3-4 | Practical Electronics for Space Applications <i>class cancelled</i> | 01 | Staff | OM,A | A | |
| CS/CNS/EE 156B | 3-1-5 | Learning Systems | 01 | Abu-Mostafa, Y | TR 14:30 - 15:55 | B270 MRE | |
| Ge/EE/ESE 157C | 3-3-3 | Remote Sensing for Environmental and Geological Applications | 011 | Ehlmann, B | TR 09:00 - 10:25 | 162 SMD | |
| CS/CNS/EE/IDS 159 | 3-0-6 | Advanced Topics in Machine Learning | 01 | Yue, Y | TR 14:30 - 15:55 | 105 ANB | |
| CS/EE/IDS 166 | 3-3-6 | Computational Cameras | 01 | Bouman, K | TR 13:00 - 14:25 | 104 ANB | |
| ME/CS/EE 169 | 1-7-1 | Mobile Robots | 01 | Niemeyer, G | MWF 15:00 - 15:55 | 135 GTL | |

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|-------------------------------|-------|--|---------|----------------|------------------|----------|--------------|
| ELECTRICAL ENGINEERING | | | | | | | |
| APh/EE 183 | 3-0-6 | Physics of Semiconductors and Semiconductor Devices | 01 | Nad Perge, S | TR 13:00 - 14:25 | 104 WAT | |
| BE/EE/MedE 189A | 3-6-3 | Design and Construction of Biodevices <i>maximum enrollment: 20 students // contact instructor if class is full // Enrollment is limited based on laboratory capacity</i> | 01 | Yang, C | TR 14:30 - 15:55 | B127 KRK | |
| BE/EE/MedE 189B | 0-9-0 | Design and Construction of Biodevices | 01 | Yang, C | TR 14:30 - 15:55 | B127 KRK | |
| EE 291 | + | Advanced Work in Electrical Engineering | 01 | Atwater, H | A | A | P |
| | | | 02 | Wang, L | A | A | P |
| | | | 03 | Bruck, J | A | A | P |
| | | | 04 | Burdick, J | A | A | P |
| | | | 05 | Abu-Mostafa, Y | A | A | P |
| | | | 06 | Doyle, J | A | A | P |
| | | | 07 | Effros, M | A | A | P |
| | | | 09 | George, G | A | A | P |
| | | | 10 | Weinreb, S | A | A | P |
| | | | 11 | Hajimiri, S | A | A | P |
| | | | 12 | Hassibi, B | A | A | P |
| | | | 13 | Campbell, J | A | A | P |
| | | | 14 | Low, S | A | A | P |
| | | | 15 | Phillips, R | A | A | P |
| | | | 17 | Murray, R | A | A | P |
| | | | 18 | Perona, P | A | A | P |
| | | | 19 | Vahala, K | A | A | P |
| | | | 20 | Gharib, M | A | A | P |
| | | | 23 | Quartz, S | A | A | P |
| | | | 24 | Roukes, M | A | A | P |
| | | | 25 | Tsao, D | A | A | P |
| | | | 26 | Scherer, A | A | A | P |
| | | | 27 | Cvitanic, J | A | A | P |
| | | | 28 | Tai, Y | A | A | P |

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|-------------------------------|-------|--|--------------------|-----------------------|-----------------|----------|--------------|
| ELECTRICAL ENGINEERING | | | | | | | |
| EE 291 | + | Advanced Work in Electrical Engineering | 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 |
| | | | 44 | Minnich, A | A | A | P |
| | | | 45 | Kostina, V | A | A | P |
| | | | 46 | Greer, J | A | A | P |
| | | | 47 | Yue, Y | A | A | P |
| | | | 48 | Shapiro, M | A | A | P |
| | | | 49 | Yeh, N | A | A | P |
| | | | 50 | Marandi, A | A | A | P |
| | | | 51 | Anderson, D | A | A | P |
| | | | 52 | Mirhosseini, M | A | A | P |
| | | | 53 | Vidick, T | A | A | P |
| | | | 56 | Greer, J | A | A | P |
| | | | 57 | Hsieh, D | A | A | P |
| | | | ENGINEERING | | | | |
| E 100 | 0-0-0 | Special Topics in Engineering & Applied Science: Effective and Enduring Advocacy: Leading with Compassion in STEM <i>6 units (2-0-4) // instructor permission required to enroll // maximum enrollment: 20 students // apply at https://forms.gle/xN5Fqgt8ygAzNQoE8</i> | 01 | Mushkin, H / Ralph, C | W 13:00 - 14:55 | 115 GTL | P |

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|--------------------|-------|---|---------|--------------|------------------|----------|--------------|
| ENGINEERING | | | | | | | |
| E 100 | 0-0-0 | Special Topics in Engineering & Applied Science: Design Your Life <i>open by application only to juniors and seniors // apply at http://registrar.caltech.edu/E100SP2024</i> | 02 | Resnick, A | M 15:00 - 16:25 | 328 SFL | P |
| E 110 | 2-0-1 | Principles of University Teaching and Learning in STEM <i>maximum enrollment: 20 students // open to upperclass undergrads and graduate students only</i> | 01 | Dabiri, M | R 13:00 - 14:25 | 100 PWB | P |
| ENGLISH | | | | | | | |
| Hum/En 022 | 3-0-6 | Inequality <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Haugen, K | TR 14:30 - 15:55 | 127 BAX | |
| Hum/En 024 | 3-0-6 | The Scientific Imagination in English Literature <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Gilmore, D | TR 14:30 - 15:55 | 128 BAX | |
| Hum/En 027 | 3-0-6 | Introduction to the Modern Novel <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Murphy, D | T 19:00 - 21:55 | TR DAB | G |
| Hum/En 030 | + | Reading Animals <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // 9 units (3-0-6) // class meets T/Th 2:30-3:55pm in DAB 117</i> | 01 | Hill, A | A | A | P |
| Hum/En 036 | 3-0-6 | American Literature and Culture <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Weinstein, C | TR 13:00 - 14:25 | TR DAB | |
| En/Wr 083 | 3-0-6 | Personal Narrative and STEM Research <i>maximum enrollment: 15 students // open to undergraduate students only</i> | 01 | Hall, S | TR 13:00 - 14:25 | 121 BCK | |

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|-------------------------------------|-------|--|---------|--------------|------------------|----------|--------------|
| ENGLISH | | | | | | | |
| En 085 | 3-0-6 | Poetry Writing <i>maximum enrollment: 15 students</i> | 01 | Brown, F | T 19:00 - 21:55 | 128 BAX | |
| En 089 | 3-0-6 | Journalism and Storytelling <i>maximum enrollment: 12 students</i> | 01 | Kipling, R | T 19:00 - 21:55 | 127 BAX | |
| En 098 | + | Reading in English <i>Instructor permission required prior to registering</i> | 01 | Staff | A | A | P |
| En 099B | 1-0-8 | Senior Tutorial for English Majors <i>Instructor permission required prior to registering</i> | 01 | Weinstein, C | A | A | G |
| En 112 | 3-0-6 | Nineteenth-Century American Poetry <i>maximum enrollment: 15 students</i> | 01 | Hill, A | TR 13:00 - 14:25 | 117 DAB | G |
| En 119 | 3-0-6 | Displacement <i>maximum enrollment: 25 students</i> | 01 | Haugen, K | W 19:00 - 21:55 | TR DAB | |
| En 149 | 3-0-6 | The Literature of Crisis <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Weinstein, C | TR 14:30 - 15:55 | TR DAB | G |
| En 163 | 3-0-6 | Octavia E. Butler and the Literature of Black Futures <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Murphy, D | W 19:00 - 21:55 | 125 BAX | G |
| En/VC 172 | 3-0-6 | Heritage and Its Discontents <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Jurca, C | TR 10:30 - 11:55 | 128 BAX | |
| En 183 | 3-0-6 | Victorian Crime Fiction <i>maximum enrollment: 20 students</i> | 01 | Gilmore, D | TR 10:30 - 11:55 | 127 BAX | |
| En/H 193 | 3-0-6 | Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Wey-Gomez, N | TR 13:00 - 14:25 | 127 BAX | |
| ENGLISH AS A SECOND LANGUAGE | | | | | | | |

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|--|-------|---|---------|--------------------------|------------------|----------|--------------|
| ENGLISH AS A SECOND LANGUAGE | | | | | | | |
| ESL/Wr 107 | 3-0-3 | Fundamentals of Scientific Writing <i>class cancelled</i> | 01 | Manoukian, N | A | A | P |
| ENVIRONMENTAL SCIENCE & ENGINEERING | | | | | | | |
| ESE001 | 3-0-6 | Earth's Climate <i>maximum enrollment: 65 students // Feb 14 and May 8, class will meet in Kerchoff 119 // class full, see instructor for waitlist</i> | 01 | Wennberg, P | WF 14:00 - 14:55 | B122 GCL | |
| 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 |
| | | | 05 | Bordoni, S | A | A | P |
| | | | 06 | Leadbetter, J | A | A | P |
| | | | 07 | Adkins, J | A | A | P |
| | | | 08 | Flagan, R | A | A | P |
| | | | 09 | Frankenberg, C | A | A | P |
| | | | 10 | Yung, Y | A | A | P |
| | | | 11 | Karthikeyan, S | 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 |
| | | | 05 | Thompson, A | A | A | P |
| | | | 06 | Kornfield, J / Diallo, M | A | A | P |
| | | | 07 | Diallo, M | A | A | P |
| | | | 08 | Yung, Y | A | A | P |
| | | | 09 | Seinfeld, J | A | A | P |
| | | | 10 | Wennberg, P | A | A | P |
| | | | 11 | Diallo, M / Kornfield, J | A | A | P |
| | | | 12 | Schneider, T | A | A | P |
| | | | 13 | Leadbetter, J | A | A | P |
| | | | 14 | Fischer, W | A | A | P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------|---|---------|------------------|-------------------|----------|--------------|
| ENVIRONMENTAL SCIENCE & ENGINEERING | | | | | | | |
| ESE100 | + | Special Problems in Environmental Science and Engineering <i>up to 12 units by arrangement</i> | 15 | Lamb, M | 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 |
| | | | 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 |
| | | | 19 | Frankenberg, C | A | A | P |
| | | | 20 | Callies, J | A | A | P |
| | | | 21 | Karthikeyan, S | A | A | P |
| ESE110C | 1-0-0 | Seminar in Environmental Science and Engineering | 01 | Karthikeyan, S | W 16:00 - 16:55 | 365 SMD | P |
| BEM/Ec/ESE 119 | 3-0-6 | Environmental Economics <i>maximum enrollment: 45 students</i> | 01 | Druckenmiller, H | TR 10:30 - 11:55 | 155 ARM | G |
| ESE131 | 3-0-6 | Ocean Dynamics | 01 | Callies, J | MWF 11:00 - 11:55 | 135 LLB | |
| ESE133 | 3-0-6 | Global Atmosphere Dynamics | 01 | Schneider, T | TR 14:30 - 15:55 | 162 SMD | |

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|--|-------|--|---------|-----------------------------|-------------------|----------|--------------|
| ENVIRONMENTAL SCIENCE & ENGINEERING | | | | | | | |
| ESE135 | 1-0-2 | Topics in Atmosphere and Ocean Dynamics | 01 | Callies, J | F 13:00 - 13:55 | 135 LLB | P |
| Ge/ESE 140C | 3-0-6 | Stable Isotope Biogeochemistry | 01 | Sessions, A | MWF 11:00 - 11:55 | 215 NMD | |
| ESE/Ge 142 | 3-0-6 | Aquatic Chemistry of Natural Waters | 01 | Zakem, E | TR 10:30 - 11:55 | 215 NMD | |
| ESE144 | 3-0-6 | Climate From Space | 01 | Teixeira, J / Thompson, A | TR 10:30 - 11:55 | 162 SMD | |
| Ge/Bi/BE/CNS/ESE 14 | 6-0-0 | Challenges and Opportunities in Quantitative Ecology | 01 | Fischer, W / Tejada Lara, J | M 15:00 - 15:55 | 254 SMD | P |
| Ge/ESE 150 | 3-0-6 | Planetary Atmospheres | 01 | Knutson, H | MWF 14:00 - 14:55 | 162 SMD | |
| ESE156 | 3-0-6 | Remote Sensing of the Atmosphere and Biosphere | 01 | Frankenberg, C | TR 13:00 - 14:25 | 135 LLB | |
| Ge/EE/ESE 157C | 3-3-3 | Remote Sensing for Environmental and Geological Applications | 011 | Ehlmann, B | TR 09:00 - 10:25 | 162 SMD | |
| ESE/ChE 158 | 3-0-6 | Aerosol Physics and Chemistry | 01 | Flagan, R | TR 10:30 - 11:55 | 106 SPL | |
| ESE/Ge/Ch 171 | 3-0-6 | Atmospheric Chemistry I | 01 | Wennberg, P | TR 13:00 - 14:25 | B122 GCL | |
| ESE200 | 3-0-6 | Advanced Topics in Environmental Science and Engineering | 01 | Klein, J | TR 09:00 - 10:25 | 135 LLB | |
| Ge/ESE 298 | + | Mentoring and Outreach <i>meets Mondays from 1-2pm in 135 LLB</i> | 01 | Newman, D | A | A | P |
| | | | 03 | Fischer, W | A | A | P |
| | | | 04 | Avouac, J / Bucholz, C | A | A | P |
| | | | 05 | Thompson, A | A | A | P |
| | | | 06 | Gurnis, M | A | A | P |
| ESE300 | + | Thesis Research | 01 | Adkins, J | A | A | P |
| | | | 02 | Sessions, A | A | A | P |

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|--|-------|---|----------------------------|----------------|---|----------|---------------------------|-----------------|---------|---|
| 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 | | | |
| | | | 08 | Orphan, V | 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 | | | |
| | | | 15 | Callies, J | A | A | P | | | |
| | | | 16 | Frankenberg, C | A | A | P | | | |
| | | | 17 | Karthikeyan, S | A | A | P | | | |
| | | | FIRST-YEAR SEMINARS | | | | | | | |
| | | | FS/Ay 003 | 2-0-4 | First-Year Seminar: Automating Discovering the Universe <i>maximum enrollment: 12 students</i> | 01 | El-Badry, K / Kasliwal, M | T 14:30 - 16:25 | 370 CHL | P |
| FS/Ph 011C | 2-0-4 | First-Year Seminar: Beyond Physics | 01 | Phillips, R | A | A | P | | | |
| GEOLOGY | | | | | | | | | | |
| Ge 001 | 3-3-3 | Earth and Environment <i>continuous 2-hour lab sessions on ALTERNATE Tuesdays from 9:00 to 9:00 PM on April 2, April 16, April 30, May 14, and May 28- meeting location for lab sessions: 251 Arms // Field Trip Dates: April 19-21, April 27, May 3-5</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 | 01 | Ehlmann, B | TR 13:00 - 14:25 | 162 SMD | | | | |

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|-----------------|-------|---|---------|----------------|-----------|----------|--------------|
| GEOLOGY | | | | | | | |
| Ge/Ay 011C | 3-0-6 | Introduction to Earth and Planetary Sciences: Planetary Sciences <i>Taught concurrently with Ge 103</i> | | | | | |
| 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 | Rossman, 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 |
| | | | 10 | Yung, Y | A | A | P |
| | | | 11 | Eiler, J | A | A | P |
| | | | 12 | Jackson, J | A | A | P |
| | | | 13 | Brown, M | A | A | P |
| | | | 14 | Fischer, W | A | A | P |
| | | | 15 | Orphan, V | A | A | P |
| | | | 16 | Ehlmann, B | A | A | P |
| | | | 17 | de Kleer, K | A | A | P |
| | | | 18 | Stock, J | A | A | P |
| | | | 19 | Tejada Lara, J | A | A | P |
| | | | 20 | Tissot, F | A | A | P |
| 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 |
| | | | 09 | Sessions, A | A | A | P |
| | | | 10 | Leadbetter, J | A | A | P |

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|-----------------|-------|---|---------|------------------------------|--------------------------------------|---------------------|--------------|
| GEOLOGY | | | | | | | |
| Ge 041C | + | Undergraduate Research and Bachelor's Thesis | 11 | Asimow, P | A | A | P |
| | | | 12 | Rossmann, G | A | A | P |
| | | | 13 | Adkins, J | A | A | P |
| | | | 14 | Lamb, M | A | A | P |
| | | | 15 | Ehlmann, B | A | A | P |
| | | | 16 | Simons, M | A | A | P |
| | | | 17 | Ingersoll, A | A | A | P |
| | | | 18 | Eiler, J | A | A | P |
| | | | 19 | Yung, Y | A | A | P |
| | | | 20 | Tejada Lara, J | A | A | P |
| Ge 103 | 3-0-6 | Introduction to the Solar System <i>Taught concurrently with Ge/Ay 011C</i> | 01 | Ehlmann, B | TR 13:00 - 14:25 | 162 SMD | |
| Ay/Ge 107 | 2-2-8 | Introduction to Astronomical Observation <i>Field Trip: tba // maximum enrollment: 22 students</i> | 01 | Hillenbrand, L / de Kleer, K | WF 11:00 - 11:55 TR 19:00 - 21:55 | 251 ARM Roof CHL | |
| Ge 109 | + | Oral Presentation <i>Section 1: GPS, maximum enrollment of 8 students</i> | 01 | Tissot, F | R 17:15 - 18:15 | 151 ARM | P |
| Ge 111B | 0-3-6 | Applied Geophysics Seminar and Field Course | 01 | Clayton, R / Simons, M | W 09:00 - 09:55 | 162 SMD | G |
| Ge 115B | 3-3-3 | Petrology and Petrography: Metamorphic Petrology | 01 | Eiler, J | TR 13:00 - 14:25 | 267 ARM | |
| Ge 120A | 1-6-2 | Introduction to Field Geology <i>Field Trip 1: TBD, Field Trip 2: TBD</i> | 01 | Bucholz, C | W 14:00 - 14:55 | 267 ARM | |
| Ge 121A | 0-9-3 | Advanced Field Geology | 01 | Lamb, M | OM,M 14:00 - 14:55 | 267 ARM | G |
| Ge 121C | 0-9-3 | Advanced Field Geology <i>Field Trip: TBD</i> | 01 | Stock, J | OM,M 13:00 - 13:55 | 215 NMD | G |
| Ge 123 | 1-0-2 | Continental Crust Seminar | 01 | Bucholz, C | W 10:00 - 11:25 | 212 NMD | |

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|---------------------|-------|--|---------|-----------------------------|---|--------------------|--------------|
| GEOLOGY | | | | | | | |
| Ge 124B | 3-3-3 | Paleomagnetism and Magnetostratigraphy | 01 | Kirschvink, J | MWF 14:00 - 14:55 | 251 ARM | |
| Ge 131 | 3-0-6 | Planetary Structure and Evolution | 01 | Stevenson, D | MWF 10:00 - 10:55 | 162 SMD | |
| Ge 136C | 1-0-2 | Regional Field Geology of the Southwestern United States <i>Field Trip: TBD</i> | 01 | Kirschvink, J | OM,T 12:00 - 12:55 | 151 ARM | P |
| Ge/ESE 140C | 3-0-6 | Stable Isotope Biogeochemistry | 01 | Sessions, A | MWF 11:00 - 11:55 | 215 NMD | |
| ESE/Ge 142 | 3-0-6 | Aquatic Chemistry of Natural Waters | 01 | Zakem, E | TR 10:30 - 11:55 | 215 NMD | |
| Ge/Bi/BE/CNS/ESE 14 | 6-0-0 | Challenges and Opportunities in Quantitative Ecology | 01 | Fischer, W / Tejada Lara, J | M 15:00 - 15:55 | 254 SMD | P |
| Ge/ESE 150 | 3-0-6 | Planetary Atmospheres | 01 | Knutson, H | MWF 14:00 - 14:55 | 162 SMD | |
| Ge/EE/ESE 157C | 3-3-3 | Remote Sensing for Environmental and Geological Applications | 011 | Ehlmann, B | TR 09:00 - 10:25 | 162 SMD | |
| Ge 162 | 3-0-6 | Seismology | 01 | Zhan, Z | MWF 10:00 - 10:55 | 256 SMD | |
| Ge 163 | 3-0-6 | Geodynamics <i>class cancelled</i> | 01 | Staff | A | A | |
| ESE/Ge/Ch 171 | 3-0-6 | Atmospheric Chemistry I | 01 | Wennberg, P | TR 13:00 - 14:25 | B122 GCL | |
| Ge 177 | 3-3-6 | Active Tectonics | 01 | Avouac, J | TRF 09:00 - 09:55 OM,M 10:00 - 10:55 | 215 NMD 215 NMD | |
| Ay/Ge 198 | 2-0-4 | Special Topics in the Planetary Sciences | 01 | Mawet, D / Howard, A | M 10:00 - 11:55 | 219 CHL | |
| Ge 217 | 3-0-3 | Radiogenic Isotopes Seminar | 01 | Farley, K | M 11:00 - 11:55 | 267 ARM | P |

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|-----------------|-------|--|---------|---------------|-----------|----------|--------------|
| GEOLOGY | | | | | | | |
| Ge 219 | 2-0-4 | Non-traditional Isotopes Seminar <i>class cancelled</i> | 01 | Tissot, F | A | A | |
| Ge 261 | 3-0-6 | Advanced Seismology <i>class cancelled</i> | 01 | Staff | A | A | |
| 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 |
| | | | 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 | Rossmann, G | A | A | P |
| | | | 23 | Lamb, M | 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 |
| | | | 30 | Bucholz, C | A | A | P |
| | | | 31 | Tissot, F | A | A | P |

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|-----------------|------------------------|-----------------|------------|----------------|--|----------|--------------|
| GEOLOGY | | | | | | | |
| Ge 297 | + | Advanced Study | 32 | Wernicke, B | A | A | P |
| | | | 33 | Ross, Z | A | A | P |
| | | | 34 | Yung, Y | A | A | P |
| | | | 35 | Wennberg, P | A | A | P |
| | | | 36 | Avouac, J | A | A | P |
| | | | 38 | Lapusta, N | A | A | P |
| | | | 39 | Sessions, A | A | A | P |
| | | | 40 | Orphan, V | A | A | P |
| | | | 43 | Knutson, H | A | A | P |
| | | | 44 | Leadbetter, J | A | A | P |
| | | | 45 | Ross, Z | A | A | P |
| | | | 46 | de Kleer, K | A | A | P |
| | | | 47 | Tejada Lara, J | A | A | P |
| | | | Ge/ESE 298 | + | Mentoring and Outreach <i>meets Mondays from 1-2pm in 135 LLB</i> | 01 | Newman, D |
| 03 | Fischer, W | A | | | | A | P |
| 04 | Avouac, J / Bucholz, C | A | | | | A | P |
| 05 | Thompson, A | A | | | | A | P |
| 06 | Gurnis, M | A | | | | A | P |
| Ge 299 | + | Thesis Research | 01 | Adkins, J | A | A | P |
| | | | 02 | Batygin, K | 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 | Tissot, F | A | A | P |
| | | | 14 | Schneider, T | A | A | P |
| | | | 15 | Grotzinger, J | A | A | P |

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|-----------------|----------------|---|---------|---------------|-----------------|----------|--------------|
| GEOLOGY | | | | | | | |
| Ge 299 | + | Thesis Research | 16 | Simons, M | A | A | P |
| | | | 17 | Avouac, J | A | A | P |
| | | | 18 | Newman, D | A | A | P |
| | | | 20 | Ehlmann, B | A | A | P |
| | | | 21 | Orphan, V | A | A | P |
| | | | 22 | Fischer, W | A | A | P |
| | | | 24 | Kulkarni, S | A | A | P |
| | | | 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 |
| | | | 30 | Bucholz, C | A | A | P |
| | | | 31 | Zhan, Z | 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 |
| | | | 39 | Bordoni, S | A | A | P |
| | | | 41 | Leadbetter, J | A | A | P |
| | | | 42 | Ross, Z | A | A | P |
| 43 | de Kleer, K | A | A | P | | | |
| 44 | Tejada Lara, J | A | A | P | | | |
| HISTORY | | | | | | | |
| Hum/H 002 | 3-0-6 | Freedom Dreams: African American Visions of Liberation Since Emancipation <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 12 students</i> | 01 | Wiggins, D | T 19:00 - 21:55 | 125 BAX | |

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|-----------------|-------|--|---------|--------------------|------------------|----------------|--------------|
| HISTORY | | | | | | | |
| Hum/H 006 | 3-0-6 | Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Buchwald, J | TR 14:30 - 15:55 | 125 BAX | |
| Hum/H 013 | 3-0-6 | Brave New Worlds: Race, Human Rights and the Age of Discovery <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Wey-Gomez, N | TR 09:00 - 10:25 | TR DAB | |
| Hum/H/HPS 020 | 3-0-6 | COVID-19 and Other Pandemics: Science, Medicine, and Public Controversies <i>Attendance at first class meeting is required. // Maximum enrollment: 18 students</i> | 01 | Kormos-Buchwald, D | TR 14:30 - 15:55 | House EINSTEIN | |
| H 060 | + | Reading in History <i>Instructor permission required prior to registering</i> | 01 | Wey-Gomez, N | A | A | P |
| H 098 | + | Reading in History <i>Instructor permission required prior to registering</i> | 01 | Brown, W | A | A | P |
| H 099C | 1-0-8 | Research Tutorial <i>Instructor permission required prior to registering</i> | 01 | Staff | A | A | |
| H/HPS 129 | 3-0-6 | History of Satellites: From Sputnik to Starlink <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Rand, L | TR 19:00 - 20:25 | 228 BAX | |
| H/HPS 130 | 3-0-6 | Critical Infrastructures <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Rand, L | TR 13:00 - 14:25 | 115 BCK | |
| H/L 142 | 3-0-6 | Perspectives on History through Russian Literature <i>maximum enrollment: 15 students</i> | 01 | Dennison, T | TR 10:30 - 11:55 | 239 BAX | |

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|--|-------|---|---------|--------------------|------------------|----------------|--------------|
| HISTORY | | | | | | | |
| H 152 | 3-0-6 | Where Do We Go From Here? Black America in the Post-Civil Rights Era <i>maximum enrollment: 18 students</i> | 01 | Wiggins, D | R 19:00 - 21:55 | 125 BAX | G |
| HPS/H 160 | 3-0-6 | Einstein on the Run: European Scientists Fleeing Fascism, War, and the Holocaust <i>maximum enrollment: 18 students</i> | 01 | Kormos-Buchwald, D | TR 10:30 - 11:55 | House EINSTEIN | |
| 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 | 125 BAX | G |
| En/H 193 | 3-0-6 | Cervantes, Truth or Dare: Don Quixote in an Age of Empire <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Wey-Gomez, N | TR 13:00 - 14:25 | 127 BAX | |
| HISTORY AND PHILOSOPHY OF SCIENCE | | | | | | | |
| Hum/H/HPS 020 | 3-0-6 | COVID-19 and Other Pandemics: Science, Medicine, and Public Controversies <i>Attendance at first class meeting is required. // Maximum enrollment: 18 students</i> | 01 | Kormos-Buchwald, D | TR 14:30 - 15:55 | House EINSTEIN | |
| HPS090 | 1-0-0 | Public Lecture Series | 01 | Kormos-Buchwald, D | A | A | P |
| HPS098 | + | Reading in History and Philosophy of Science <i>Instructor permission required prior to registering</i> | 01 | Staff | A | A | P |
| HPS102B | + | Senior Research Seminar | 01 | Rand, L | A | A | P |
| HPS/PI 120 | 3-0-6 | Introduction to Philosophy of Science <i>maximum enrollment: 15 students</i> | 01 | Hitchcock, C | TR 10:30 - 11:55 | TR DAB | |
| HPS/PI 128 | 3-0-6 | Philosophy of Mathematics <i>maximum enrollment: 15 students</i> | 01 | Hitchcock, C | TR 14:30 - 15:55 | B133 BAX | |
| H/HPS 129 | 3-0-6 | History of Satellites: From Sputnik to Starlink <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Rand, L | TR 19:00 - 20:25 | 228 BAX | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--|-------|--|---------|--------------------|------------------|----------------|--------------|
| HISTORY AND PHILOSOPHY OF SCIENCE | | | | | | | |
| H/HPS 130 | 3-0-6 | Critical Infrastructures <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Rand, L | TR 13:00 - 14:25 | 115 BCK | |
| HPS/H 160 | 3-0-6 | Einstein on the Run: European Scientists Fleeing Fascism, War, and the Holocaust <i>maximum enrollment: 18 students</i> | 01 | Kormos-Buchwald, D | TR 10:30 - 11:55 | House EINSTEIN | |
| 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 | 125 BAX | G |
| PI/HPS 183 | 3-0-6 | Bioethics <i>maximum enrollment: 20 students // class full, see instructor for waitlist</i> | 01 | Helou, A | TR 10:30 - 11:55 | 115 BCK | |
| HUMANITIES | | | | | | | |
| Hum/H 002 | 3-0-6 | Freedom Dreams: African American Visions of Liberation Since Emancipation <i>Attendance at first class meeting is required. // Maximum enrollment: 12 students</i> | 01 | Wiggins, D | T 19:00 - 21:55 | 125 BAX | |
| Hum/H 006 | 3-0-6 | Civilization, Science, and Archaeology: The Development of Science from Babylon through the Renaissance <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Buchwald, J | TR 14:30 - 15:55 | 125 BAX | |
| Hum/H 013 | 3-0-6 | Brave New Worlds: Race, Human Rights and the Age of Discovery <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Wey-Gomez, N | TR 09:00 - 10:25 | TR DAB | |
| Hum/H/HPS 020 | 3-0-6 | COVID-19 and Other Pandemics: Science, Medicine, and Public Controversies <i>Attendance at first class meeting is required. // Maximum enrollment: 18 students</i> | 01 | Kormos-Buchwald, D | TR 14:30 - 15:55 | House EINSTEIN | |
| Hum/En 022 | 3-0-6 | Inequality <i>Attendance at first class meeting is required. //</i> | 01 | Haugen, K | 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/En 024 | 3-0-6 | The Scientific Imagination in English Literature <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Gilmore, D | TR 14:30 - 15:55 | 128 BAX | |
| Hum/En 027 | 3-0-6 | Introduction to the Modern Novel <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Murphy, D | T 19:00 - 21:55 | TR DAB | G |
| Hum/En 030 | + | Reading Animals <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students // 9 units (3-0-6) // class meets T/Th 2:30-3:55pm in DAB 117</i> | 01 | Hill, A | A | A | P |
| Hum/En 036 | 3-0-6 | American Literature and Culture <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Weinstein, C | TR 13:00 - 14:25 | TR DAB | |
| Hum/Pl 041 | 3-0-6 | Knowledge and Reality <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Chua, E | TR 14:30 - 15:55 | 115 BCK | |
| Hum/Pl 044 | 3-0-6 | Philosophy Through Science Fiction <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students per section</i> | 01 02 | Sebens, C Sebens, C | TR 13:00 - 14:25 TR 10:30 - 11:55 | B119 BAX B119 BAX | |
| Hum/VC 048 | 3-0-6 | Ways of Seeing <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Jacobson, B | TR 14:30 - 15:55 | B119 BAX | |
| Hum/VC 050 | 3-0-6 | Introduction to Film <i>Attendance at first class meeting is required. // maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Jurca, C | TR 13:00 - 14:25 | 128 BAX | |
| Hum080 | 1-0-0 | Frontiers in the Humanities <i>class cancelled</i> | 01 | Haugen, K | A | A | P |
| Hum114C | 3-0-6 | Spanish Language Literature and its Film Adaptations <i>Taught concurrently with L 114c // maximum</i> | 01 | Arjona, G | MW 19:00 - 20:25 | 128 BAX | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--------------------------------------|-------|--|----------------------|---|------------------------------------|--------------------|------------------|
| HUMANITIES | | | | | | | |
| L/Hum 150 | 3-0-6 | Japanese Literature in Translation <i>Taught by Dr. Hirai // maximum enrollment: 20 students</i> | 01 | Toner, R | TR 16:00 - 17:25 | 128 BAX | |
| L/Hum 152 | 3-0-6 | Classical French Literature in Translation <i>maximum enrollment: 15 students</i> | 01 | Merrill, T | TR 12:30 - 13:55 | B133 BAX | |
| L/Hum 162 | 3-0-6 | Spanish and Latin American Literature in Translation <i>maximum enrollment: 20 students</i> | 01 | Garcia, D | M 19:00 - 20:55 R 16:00 - 16:55 | 127 BAX 127 BAX | |
| Hum169 | 3-0-6 | Chinese Cinema <i>Taught concurrently with L 169 // maximum enrollment: 15 students</i> | 01 | Wang, P | TR 13:00 - 14:25 | 228 BAX | |
| INFORMATION AND DATA SCIENCES | | | | | | | |
| CS/EE/IDS 143 | 3-4-5 | Networks: Algorithms & Architecture <i>class cancelled</i> | 01 | Staff | A | A | |
| CS/IDS 153 | 3-0-6 | Current Topics in Theoretical Computer Science <i>section 1: cancelled // section 2: Topics in the Intersection of Theoretical CS and Quantum Computing, pass-fail only</i> | 01 02 | Umans, C Mahadev, U | A F 13:00 - 15:55 | A 314 ANB | |
| IDS/ACM/CS 157 | 3-2-4 | Statistical Inference | 01 | Zuev, K | TR 09:00 - 10:25 | Lecture Hall BAX | |
| CS/CNS/EE/IDS 159 | 3-0-6 | Advanced Topics in Machine Learning | 01 | Yue, Y | TR 14:30 - 15:55 | 105 ANB | |
| CS/EE/IDS 166 | 3-3-6 | Computational Cameras | 01 | Bouman, K | TR 13:00 - 14:25 | 104 ANB | |
| IDS197 | + | Undergraduate Reading in the Information and Data Sciences | 01 | Zuev, K | A | A | P |
| IDS198 | + | Undergraduate Projects in Information and Data Sciences | 01 02 03 04 | Murray, R Low, S Chandrasekaran, V Zuev, K | A A A A | A A A A | P P P P |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--------------------------------------|-------|--|----------|------------------------|--|--------------------|--------------|
| INFORMATION AND DATA SCIENCES | | | | | | | |
| IDS199 | + | Undergraduate Thesis in the Information and Data Sciences | 01 | Perona, P | A | A | P |
| LANGUAGES | | | | | | | |
| L 102C | 3-0-6 | Elementary French | 01 | Orcel, C | MTF 16:00 - 16:55 | 115 DAB | |
| L 103C | 3-0-6 | Intermediate French | 01 | Orcel, C | MW 17:00 - 17:55 F 15:00 - 15:55 | 115 DAB 115 DAB | |
| L 106C | 4-0-5 | Elementary Japanese <i>maximum enrollment: 20 students per section // Prerequisite: L106b or equivalent</i> | 01 02 | Fujio, M Fujio, M | MTWR 15:00 - 15:55 MTWR 16:00 - 16:55 | 228 BAX 228 BAX | |
| L 107C | 3-0-6 | Intermediate Japanese <i>Prerequisite: L 106abc or equivalent // Taught by Dr. Hirai // maximum enrollment: 12 students</i> | 01 | Toner, R | MW 16:00 - 17:25 | 117 DAB | |
| L 110C | 3-0-6 | Elementary Spanish <i>maximum enrollment: 20 students per section</i> | 01 02 | Arjona, G Garcia, D | MW 16:30 - 17:55 MWR 12:00 - 12:55 | 128 BAX 125 BAX | |
| L 114C | 3-0-6 | Spanish Language Literature and its Film Adaptations <i>taught concurrently with Hum114c // maximum enrollment: 20 students between L 114c and Hum 114c</i> | 01 | Arjona, G | MW 19:00 - 20:25 | 128 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 | |
| H/L 142 | 3-0-6 | Perspectives on History through Russian Literature <i>maximum enrollment: 15 students</i> | 01 | Dennison, T | TR 10:30 - 11:55 | 239 BAX | |
| L/Hum 150 | 3-0-6 | Japanese Literature in Translation <i>Taught by Dr. Hirai // maximum enrollment: 20 students</i> | 01 | Toner, R | TR 16:00 - 17:25 | 128 BAX | |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|--------------------------|-------|--|---------|-----------------|-------------------------------------|--------------------|--------------|
| LANGUAGES | | | | | | | |
| L/Hum 152 | 3-0-6 | Classical French Literature in Translation <i>maximum enrollment: 15 students</i> | 01 | Merrill, T | TR 12:30 - 13:55 | B133 BAX | |
| L/Hum 162 | 3-0-6 | Spanish and Latin American Literature in Translation <i>maximum enrollment: 20 students</i> | 01 | Garcia, D | M 19:00 - 20:55 R 16:00 - 16:55 | 127 BAX 127 BAX | |
| L 167 | 3-0-6 | Latin Literature <i>maximum enrollment: 15 students</i> | 01 | Pigman, G | WF 12:30 - 13:55 | Loggia DAB | |
| L 169 | 3-0-6 | Chinese Cinema <i>Taught concurrently with Hum 169 // maximum enrollment: 5 students</i> | 01 | Wang, P | TR 13:00 - 14:25 | 228 BAX | |
| L 170C | 3-0-6 | Introduction to Chinese <i>maximum enrollment: 20 students</i> | 01 | Wang, P | M 16:00 - 16:55 TR 12:00 - 12:55 | 127 BAX 127 BAX | |
| L 172C | 3-0-6 | Intermediate Chinese <i>maximum enrollment: 15 students</i> | 01 | Zhu, J | MW 09:00 - 10:25 | 128 BAX | |
| L 175 | 3-0-3 | French Conversation | 01 | Orcel, C | W 09:00 - 10:25 R 14:30 - 15:55 | 115 DAB 115 DAB | P |
| L 176 | 3-0-6 | Chinese Conversation <i>maximum enrollment: 15 students</i> | 01 | Zhu, J | MW 10:30 - 11:55 | 128 BAX | |
| MATERIALS SCIENCE | | | | | | | |
| MS 078C | + | Senior Thesis | 01 | Gharib, M | A | A | P |
| | | | 02 | Johnson, W | A | A | P |
| | | | 03 | Ravichandran, G | A | A | P |
| | | | 04 | Greer, J | A | A | P |
| | | | 05 | Goddard, W | A | A | P |
| | | | 06 | Minnich, A | A | A | P |
| | | | 07 | Fultz, B | A | A | P |
| | | | 08 | Faber, K | A | A | P |
| | | | 09 | Daraio, C | A | A | P |
| | | | 10 | Falson, J | A | A | P |
| | | | 11 | Atwater, H | A | A | P |

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|--------------------------|-------|--|---------|-------------------------|------------------|----------|--------------|
| MATERIALS SCIENCE | | | | | | | |
| MS 078C | + | Senior Thesis | 12 | See, K | A | A | P |
| | | | 13 | Gao, W | A | A | P |
| | | | 14 | Lewis, N | A | A | P |
| MS 090 | 1-6-2 | Materials Science Laboratory | 01 | Hofmann, D | M 12:00 - 12:55 | 104 WAT | |
| MS 100 | + | Advanced Work in Materials Science | 01 | Minnich, A | A | A | P |
| | | | 02 | Fultz, B | A | A | P |
| | | | 03 | Lewis, N | A | A | P |
| | | | 04 | Davis, M | A | A | P |
| | | | 05 | Johnson, W | A | A | P |
| | | | 06 | Greer, J | A | A | P |
| | | | 07 | Faber, K | A | A | P |
| | | | 08 | Falson, J | A | A | P |
| | | | 09 | Gao, W | A | A | P |
| | | | 10 | Atwater, H | A | A | P |
| | | | 11 | Rossmann, G | A | A | P |
| | | | 12 | See, K | A | A | P |
| | | | 13 | Scherer, A | A | A | P |
| APh/MS/ME 105C | 3-0-6 | States of Matter | 01 | Falson, J | TR 10:30 - 11:55 | 104 WAT | |
| MS 110C | 1-0-0 | Materials Research Lectures | 01 | Faber, K | W 16:00 - 16:55 | 153 NYS | P |
| MS 133 | 3-0-6 | Kinetic Processes in Materials | 01 | Greer, J / Kornfield, J | TR 14:30 - 15:55 | 104 WAT | |
| APh/Ph/Ae/MS 153 | 3-0-6 | Fundamentals of Energy and Mass Transport in Small Scale Systems | 01 | Troian, S | TR 14:30 - 15:55 | 111 KCK | |
| MS 200 | + | Advanced Work in Materials Science | 01 | Johnson, W | A | A | P |
| | | | 02 | Goddard, W | A | A | P |
| | | | 03 | Blake, G | A | A | P |
| | | | 04 | Fultz, B | A | A | P |
| | | | 05 | Daraio, C | A | A | P |

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|--------------------------|-------|------------------------------------|---------|-----------------|-----------|----------|--------------|
| MATERIALS SCIENCE | | | | | | | |
| MS 200 | + | Advanced Work in Materials Science | 07 | Bhattacharya, K | A | A | P |
| | | | 08 | Lewis, N | A | A | P |
| | | | 09 | Yeh, N | A | A | P |
| | | | 10 | Atwater, H | A | A | P |
| | | | 11 | Ahn, C | 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 |
| | | | 17 | Faber, K | A | A | P |
| | | | 18 | Cushing, S | A | A | P |
| | | | 19 | See, K | A | A | P |
| | | | 20 | Kornfield, J | A | A | P |
| | | | 21 | Falson, J | A | A | P |
| | | | 22 | Gao, W | A | A | P |
| | | | 23 | Faraon, A | A | A | P |
| | | | 24 | Manthiram, K | 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 |
| | | | 06 | Greer, J | A | A | P |
| | | | 07 | See, K | 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 | Yeh, N | A | A | P |
| | | | 13 | Bernardi, M | A | A | P |
| | | | 14 | Ortiz, M | A | A | P |
| | | | 15 | Falson, J | A | A | P |
| | | | 16 | Cross, M | A | A | P |

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|--------------------------|-------|--|---------|---------------------|--------------------------------------|-----------------------------------|--------------|
| MATERIALS SCIENCE | | | | | | | |
| MS 300 | + | Thesis Research | 18 | Gao, W | A | A | P |
| | | | 19 | Cushing, S | A | A | P |
| | | | 20 | Manthiram, K | A | A | P |
| | | | 21 | Faraon, A | A | A | P |
| MATHEMATICS | | | | | | | |
| Ma 001C | 4-0-5 | Calculus of One and Several Variables and Linear Algebra <i>Practical Track: Section 1-7 // Analytical Track: Sections 8-10</i> | 01 | Ni, Y | MWF 10:00 - 10:55 R 09:00 - 09:55 | 125 KRK 269 LAU | G |
| | | | 02 | Ni, Y | MWF 10:00 - 10:55 R 10:00 - 10:55 | 125 KRK 142 KCK | G |
| | | | 03 | Ni, Y | MWF 10:00 - 10:55 R 13:00 - 13:55 | 125 KRK 103 DWN | G |
| | | | 04 | Ni, Y | MWF 10:00 - 10:55 R 14:00 - 14:55 | 125 KRK Hameetman Aud CHL | G |
| | | | 05 | Ni, Y | MWF 10:00 - 10:55 R 18:00 - 18:55 | 125 KRK 269 LAU | G |
| | | | 06 | Ni, Y | MWF 10:00 - 10:55 R 19:00 - 19:55 | 125 KRK 310 LINDE | G |
| | | | 07 | Ni, Y | MWF 10:00 - 10:55 R 18:00 - 18:55 | 125 KRK 387 LINDE | G |
| | | | 08 | Yu, T | MWF 10:00 - 10:55 R 10:00 - 10:55 | 310 LINDE 310 LINDE | G |
| | | | 09 | Yu, T | MWF 10:00 - 10:55 R 16:00 - 16:55 | 310 LINDE Hameetman Aud CHL | G |
| | | | 10 | Yu, T | MWF 10:00 - 10:55 R 15:00 - 15:55 | 310 LINDE 310 LINDE | G |
| Ma 004 | 3-0-6 | Introduction to Mathematical Chaos <i>taught concurrently with Ma 104</i> | 01 | Vigneaux Ariztia, J | TR 10:30 - 11:55 | 387 LINDE | |
| Ma 005C | 3-0-6 | Introduction to Abstract Algebra <i>taught concurrently with Ma 105c</i> | 01 | Svoboda, J | MWF 09:00 - 09:55 | 310 LINDE | |

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|--------------------|---------------------|--|---------|-------------|-------------------------|-----------|--------------|---|---|---|
| MATHEMATICS | | | | | | | | | | |
| Ma/CS 006C | 3-0-6 | Introduction to Discrete Mathematics <i>taught concurrently with Ma 106c</i> | 01 | Kechris, A | TR 13:00 - 14:25 | 310 LINDE | | | | |
| Ma 007 | 3-0-6 | Number Theory for Beginners <i>taught concurrently with Ma 107</i> | 01 | Zhao, R | TR 10:30 - 11:55 | 187 LINDE | | | | |
| Ma 011 | 0-0-3 | Mathematical Writing <i>class is taught as individually scheduled meetings after the OM</i> | 01 | Conlon, D | OM,A | A | G | | | |
| Ma 092C | + | Senior Thesis | 01 | Mantovan, E | A | A | P | | | |
| | | | 02 | Kechris, A | A | A | P | | | |
| | | | 03 | Marcolli, M | A | A | P | | | |
| | | | 05 | Zhu, X | A | A | P | | | |
| | | | 07 | Katz, N | A | A | P | | | |
| | | | 08 | Song, A | A | A | P | | | |
| | | | 09 | Tamuz, O | A | A | P | | | |
| | | | 10 | Yu, T | A | A | P | | | |
| | | | 11 | Aluffi, P | A | A | P | | | |
| | | | 12 | Schuelke, B | A | A | P | | | |
| | | | Ma 097 | + | Research in Mathematics | 01 | Ni, Y | A | A | P |
| | | | | | | 02 | Ervin, G | A | A | P |
| 03 | Mantovan, E | A | | | | A | P | | | |
| 04 | Tamuz, O | A | | | | A | P | | | |
| 05 | Vigneaux Ariztia, J | A | | | | A | P | | | |
| 06 | Marcolli, M | A | | | | A | P | | | |
| 07 | Yu, T | A | | | | A | P | | | |
| 08 | Gherman, M | A | | | | A | P | | | |
| 09 | Dimitrov, V | A | | | | A | P | | | |
| 10 | Caniato, R | A | | | | A | P | | | |
| 11 | Kechris, A | A | | | | A | P | | | |
| 12 | Aluffi, P | A | | | | A | P | | | |
| 13 | Conlon, D | A | | | | A | P | | | |
| Ma 098 | + | Independent Reading <i>Faculty permission required to register for</i> | 01 | Graber, T | A | A | P | | | |
| | | | 02 | Katz, N | A | A | P | | | |

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|--------------------|-------|--|---------|---------------------|--|-----------|---------------------|-------------------|-----------|--|
| MATHEMATICS | | | | | | | | | | |
| Ma 098 | + | Independent Reading <i>Faculty permission required to register for course.</i> | 03 | Mazel-Gee, A | A | A | P | | | |
| | | | 04 | Chen, L | A | A | P | | | |
| | | | 05 | Smillie, P | A | A | P | | | |
| | | | 06 | Vidnyanszky, Z | A | A | P | | | |
| | | | 07 | Vigneaux Ariztia, J | A | A | P | | | |
| | | | 08 | Schroeder, P | A | A | P | | | |
| | | | 09 | Ni, Y | A | A | P | | | |
| | | | 10 | Aluffi, P | A | A | P | | | |
| | | | 11 | Dimitrov, V | A | A | P | | | |
| | | | 12 | Marcolli, M | A | A | P | | | |
| | | | 13 | Gherman, M | A | A | P | | | |
| | | | 14 | Chen, D | A | A | P | | | |
| | | | 15 | Flach, M | A | A | P | | | |
| | | | Ma 104 | 3-0-6 | Introduction to Mathematical Chaos <i>taught concurrently with Ma 4</i> | 01 | Vigneaux Ariztia, J | TR 10:30 - 11:55 | 387 LINDE | |
| | | | Ma 105C | 3-0-6 | Introduction to Abstract Algebra <i>taught concurrently with Ma 5c</i> | 01 | Svoboda, J | MWF 09:00 - 09:55 | 310 LINDE | |
| Ma/CS 106C | 3-0-6 | Introduction to Discrete Mathematics <i>taught concurrently with Ma/CS 006c</i> | 01 | Kechris, A | TR 13:00 - 14:25 | 310 LINDE | | | | |
| Ma 107 | 3-0-6 | Number Theory for Beginners <i>taught concurrently with Ma 7</i> | 01 | Zhao, R | TR 10:30 - 11:55 | 187 LINDE | | | | |
| Ma 108C | 3-0-6 | Classical Analysis | 01 | Caniato, R | MWF 11:00 - 11:55 | 387 LINDE | | | | |
| Ma 109C | 3-0-6 | Introduction to Geometry and Topology | 01 | Ryoo, S | MWF 10:00 - 10:55 | 387 LINDE | | | | |
| Ma 110C | 3-0-6 | Analysis, I | 01 | Isett, P | MWF 14:00 - 14:55 | 187 LINDE | | | | |
| Ma 116C | 3-0-6 | Mathematical Logic and Axiomatic Set Theory | 01 | Ervin, G | TR 13:00 - 14:25 | 387 LINDE | | | | |

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|--------------------|-------|---|---------|-----------------|-------------------|-----------|--------------|
| MATHEMATICS | | | | | | | |
| Ma 120C | 3-0-6 | Abstract Algebra | 01 | Flach, M | MWF 09:00 - 09:55 | 187 LINDE | |
| Ma 130C | 3-0-6 | Algebraic Geometry | 01 | Yu, S | MWF 13:00 - 13:55 | 255 LINDE | |
| Ma/ACM 142B | 3-0-6 | Ordinary and Partial Differential Equations | 01 | Looi, S | TR 09:00 - 10:25 | 187 LINDE | |
| Ma 147B | 3-0-6 | Dynamical Systems | 01 | Angelopoulos, I | TR 10:30 - 11:55 | 183 LINDE | |
| Ma 151C | 3-0-6 | Algebraic and Differential Topology | 01 | Chen, D | MWF 10:00 - 10:55 | 187 LINDE | |
| Ma 157B | 3-0-6 | Riemannian Geometry | 01 | Ryoo, S | MWF 13:00 - 13:55 | 387 LINDE | |
| Ma 160B | 3-0-6 | Number Theory | 01 | Flach, M | MWF 14:00 - 14:55 | 255 LINDE | |
| Ma 191C | 3-0-6 | Selected Topics in Mathematics <i>Sec 1: Algebraic Models of Generative Linguistics // Sec 2: 4-manifolds and Kirby calculus // Sec 3: Maass waveforms and the integral converse theorem</i> | 01 | Marcolli, M | TR 13:00 - 14:25 | 289 LINDE | P |
| | | | 02 | Ni, Y | TR 10:30 - 11:55 | 255 LINDE | P |
| | | | 03 | Dimitrov, V | TR 13:30 - 14:55 | 183 LINDE | P |
| Ma 290 | + | Reading <i>Faculty permission required to register for course.</i> | 01 | Conlon, D | A | A | P |
| | | | 02 | Flach, M | A | A | P |
| | | | 03 | Hutcherof, T | A | A | P |
| | | | 04 | Graber, T | A | A | P |
| | | | 05 | Isett, P | A | A | P |
| | | | 06 | Katz, N | A | A | P |
| | | | 07 | Kechris, A | A | A | P |
| | | | 08 | Makarov, N | A | A | P |
| | | | 09 | Mantovan, E | A | A | P |
| | | | 10 | Marcolli, M | A | A | P |
| | | | 12 | Ni, Y | A | A | P |
| | | | 13 | Radziwill, M | A | A | P |

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|--------------------|-------------|--|---------|-----------------|-----------|----------|--------------|
| MATHEMATICS | | | | | | | |
| Ma 290 | + | Reading <i>Faculty permission required to register for course.</i> | 14 | Rains, E | A | A | P |
| | | | 15 | Ramakrishnan, D | A | A | P |
| | | | 17 | Zhu, X | A | A | P |
| | | | 18 | Gukov, S | A | A | P |
| | | | 19 | Kapustin, A | A | A | P |
| | | | 20 | Kapustin, A | A | A | P |
| | | | 21 | Kitaev, A | A | A | P |
| | | | 22 | Tamuz, O | A | A | P |
| | | | 23 | Cvitanic, J | A | A | P |
| | | | 24 | Owhadi, H | A | A | P |
| Ma 390 | + | Research <i>Faculty permission required to register for research.</i> | 01 | Conlon, D | A | A | P |
| | | | 02 | Flach, M | A | A | P |
| | | | 03 | Hutcherof, T | A | A | P |
| | | | 04 | Graber, T | A | A | P |
| | | | 05 | Isett, P | A | A | P |
| | | | 06 | Katz, N | A | A | P |
| | | | 07 | Kechris, A | A | A | P |
| | | | 08 | Makarov, N | A | A | P |
| | | | 09 | Mantovan, E | A | A | P |
| | | | 10 | Marculli, M | A | A | P |
| | | | 12 | Ni, Y | A | A | P |
| | | | 13 | Radziwill, M | A | A | P |
| | | | 14 | Rains, E | A | A | P |
| | | | 15 | Ramakrishnan, D | A | A | P |
| | | | 16 | Staff | A | A | P |
| 17 | Zhu, X | A | A | P | | | |
| 18 | Gukov, S | A | A | P | | | |
| 19 | Kapustin, A | A | A | P | | | |
| 20 | Kitaev, A | A | A | P | | | |
| 21 | Oguri, H | A | A | P | | | |
| 22 | Tamuz, O | A | A | P | | | |
| 23 | Cvitanic, J | A | A | P | | | |
| 24 | Owhadi, H | A | A | P | | | |

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|-------------------------------|-------|--|---------|-------------------------|--------------------|----------|--------------|
| MATHEMATICS | | | | | | | |
| Ma 390 | + | Research <i>Faculty permission required to register for research.</i> | 25 | Yu, T | A | A | P |
| MECHANICAL ENGINEERING | | | | | | | |
| ME 011C | 3-0-6 | Thermal Science | 01 | Fu, X | MWF 14:00 - 14:55 | 135 GTL | G |
| ME 012C | 3-0-6 | Mechanics | 01 | Asimaki, D | TR 13:00 - 14:25 | 135 GTL | G |
| ME 014 | 3-5-1 | Design and Fabrication <i>Limited to ME or Ae students // Not open to first-years</i> | 01 | Mello, M / Stovall, P | TR 14:30 - 15:55 | 135 GTL | G |
| ME 023 | 0-4-0 | CNC Machining <i>Open by application only // apply at https://registrar.caltech.edu/ME23-123SP2024</i> | 01 | Stovall, P | OM,R 15:00 - 15:55 | B224 SPL | P |
| ME 050B | 3-6-3 | Experiments and Modeling in Mechanical Engineering | 01 | Mello, M | MWF 11:00 - 11:55 | 135 GTL | G |
| CS/EE/ME 075C | + | Multidisciplinary Systems Engineering <i>6 units (2-3-1), 9 units (2-6-1), or 12 units (2-9-1)</i> | 01 | Carpenter, K / Chung, S | M 16:00 - 17:55 | 104 ANB | |
| ME 090C | 0-9-0 | Senior Thesis: Major Design Experience | 01 | Ames, A | A | A | G |
| ME 091C | + | Senior Thesis | 01 | Ames, A | A | A | P |
| ME 100 | + | Independent Studies in Mechanical Engineering | 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 |

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|-------------------------------|-------|--|---------|-----------------|--------------------|----------|--------------|
| MECHANICAL ENGINEERING | | | | | | | |
| ME 100 | + | Independent Studies in Mechanical Engineering | 09 | Mawet, D | A | A | P |
| | | | 10 | Perona, P | A | A | P |
| | | | 11 | Doyle, J | A | A | P |
| | | | 12 | Daraio, C | A | A | P |
| | | | 13 | Ames, A | A | A | P |
| | | | 14 | Mello, M | A | A | P |
| | | | 15 | McKeon, B | A | A | P |
| | | | 16 | Fu, X | A | A | P |
| | | | 17 | Dabiri, J | A | A | P |
| | | | 18 | Greer, J | A | A | P |
| | | | 19 | Rosakis, A | A | A | P |
| | | | 20 | Asimaki, D | A | A | P |
| Ae/APh/CE/ME 101C | 3-0-6 | Fluid Mechanics | 01 | Colonus, T | MWF 10:00 - 10:55 | 135 GTL | |
| Ae/AM/CE/ME 102C | 3-0-6 | Mechanics of Structures and Solids | 01 | Pellegrino, S | TR 09:00 - 10:25 | 133 GUG | G |
| APh/MS/ME 105C | 3-0-6 | States of Matter | 01 | Falson, J | TR 10:30 - 11:55 | 104 WAT | |
| ME 110 | + | Special Laboratory Work in Mechanical Engineering | 01 | Murray, R | A | A | P |
| | | | 02 | Burdick, J | A | A | P |
| | | | 03 | Ames, A | A | A | P |
| | | | 05 | Ravichandran, G | A | A | P |
| | | | 06 | Shepherd, J | A | A | P |
| | | | 07 | Scherer, A | A | A | P |
| ME 119 | 3-0-6 | Heat and Mass Transfer <i>Instructor permission required to enroll after first week</i> | 01 | Hunt, M | TR 09:00 - 10:25 | 115 GTL | |
| ME 123 | 0-4-0 | CNC Machining <i>Open by application only // Apply at https://registrar.caltech.edu/ME23-123SP2024</i> | 01 | Stovall, P | OM,R 15:00 - 15:55 | B224 SPL | P |

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|-------------------------------|-------|---|---------|-----------------|-------------------|----------|--------------|
| MECHANICAL ENGINEERING | | | | | | | |
| ME/CS/EE 129 | 1-7-1 | Experimental Robotics | 01 | Niemeyer, G | MWF 13:00 - 13:55 | 135 GTL | |
| AM/CE/ME 150C | 1-0-0 | Graduate Engineering Seminar | 01 | Lapusta, N | R 11:00 - 11:55 | 135 GTL | P |
| ME/CS/EE 169 | 1-7-1 | Mobile Robots | 01 | Niemeyer, G | MWF 15:00 - 15:55 | 135 GTL | |
| 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 |
| | | | 05 | Bhattacharya, K | A | A | P |
| ME/CDS 235B | 3-3-3 | Advanced Robotics: Kinematics | 01 | Burdick, J | TR 16:00 - 16:55 | 115 GTL | |
| | | | | | W 11:00 - 11:55 | 115 GTL | |
| ME 300 | + | Research in Mechanical Engineering | 01 | Ames, A | A | A | P |
| | | | 02 | Bellan, P | A | A | P |
| | | | 03 | Bhattacharya, K | A | A | P |
| | | | 04 | Burdick, J | A | A | P |
| | | | 05 | Colonius, T | A | A | P |
| | | | 06 | Adkins, J | A | A | P |
| | | | 07 | Gharib, M | A | A | P |
| | | | 09 | Stuart, A | 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 | Avouac, 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 |

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|-------------------------------|-------|--|---------|-----------------|------------------|----------|--------------|
| MECHANICAL ENGINEERING | | | | | | | |
| ME 300 | + | Research in Mechanical Engineering | 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 |
| | | | 32 | Lewis, N | A | A | P |
| | | | 33 | Schneider, T | A | A | P |
| | | | 34 | Pachter, L | A | A | P |
| | | | 35 | Rosakis, A | A | A | P |
| | | | 36 | Dabiri, J | A | A | P |
| | | | 37 | Chung, S | A | A | P |
| | | | 38 | Ismagilov, R | A | A | P |
| | | | 39 | Fu, X | A | A | P |
| | | | 40 | Bae, H | A | A | P |
| MEDICAL ENGINEERING | | | | | | | |
| MedE 099 | + | Undergraduate Research in Medical Engineering | 01 | Gao, W | A | A | P |
| | | | 02 | Shapiro, M | A | A | P |
| | | | 03 | Wang, L | A | A | P |
| MedE 100C | 1-0-0 | Medical Engineering Seminar | 01 | Tai, Y / Gao, W | R 16:00 - 16:55 | 105 ANB | P |
| BE/EE/MedE 189A | 3-6-3 | Design and Construction of Biodevices <i>maximum enrollment: 20 students // contact instructor if class is full // Enrollment is limited based on laboratory capacity</i> | 01 | Yang, C | TR 14:30 - 15:55 | B127 KRK | |

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| MEDICAL ENGINEERING | | | | | | | |
| BE/EE/MedE 189B | 0-9-0 | Design and Construction of Biodevices | 01 | Yang, C | TR 14:30 - 15:55 | B127 KRK | |
| MedE 291 | + | Research in Medical Engineering | 01 | Burdick, J | A | A | P |
| | | | 02 | Karthikeyan, S | A | A | P |
| | | | 03 | Gao, W | 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 |
| | | | 14 | Colonus, T | A | A | P |
| | | | 16 | Ismagilov, R | A | A | P |
| | | | 17 | Shapiro, M | A | A | P |
| | | | 18 | Wang, L | A | A | P |
| | | | 19 | Gradinaru, V | A | A | P |
| | | | 20 | Daraio, C | A | A | P |
| | | | 21 | Kornfield, J | A | A | P |
| | | | 22 | Pachter, L | A | A | P |
| | | | 23 | Thomson, M | A | A | P |
| | | | 24 | Andersen, R | A | A | P |
| | | | 25 | Goddard, W | A | A | P |
| MUSIC | | | | | | | |
| Mu 059 | 3-0-6 | Harmony II <i>maximum enrollment: 15 students</i> | 01 | Nelson, J | MR 16:00 - 17:25 | B133 BAX | |
| Mu 137 | 3-0-6 | Themes in Western Music History and Historiography: Pre-1600 <i>maximum enrollment: 15 students</i> | 01 | Baker, N | MW 14:00 - 15:25 | B133 BAX | |

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|---------------------|-------|---|---------|------------------------|--------------------------------------|---------------------|--------------|
| NEUROBIOLOGY | | | | | | | |
| NB/Bi/CNS 150 | 4-0-6 | Introduction to Neuroscience | 01 | Adolphs, R / Lester, H | R 14:00 - 14:55 MWF 10:00 - 10:55 | 101 KRK 130 CNRB | G |
| | | | 02 | Lester, H / Adolphs, R | MWF 10:00 - 10:55 R 11:00 - 11:55 | 130 CNRB 152 BRN | G |
| | | | 03 | Adolphs, R / Lester, H | MWF 10:00 - 10:55 R 20:00 - 20:55 | 130 CNRB 101 KRK | G |
| | | | 04 | Adolphs, R / Lester, H | MWF 10:00 - 10:55 R 19:00 - 19:55 | 130 CNRB 101 KRK | G |
| NB/Bi/CNS 154 | 3-0-6 | Principles of Neuroscience | 01 | Meister, M | TR 13:00 - 14:25 | B101 BBB | |
| NB/Bi/CNS 157 | 2-3-4 | Comparative Nervous Systems <i>class full, see instructor for waitlist // class will meet in BRD 200 for inclement weather</i> | 01 | Allman, J | F 14:00 - 15:55 | Courtyard ALLES | G |
| NB/Bi/CNS 220 | 2-0-4 | Genetic Dissection of Neural Circuit Function <i>class cancelled</i> | 01 | Anderson, D | A | A | |
| Bi/BE/CNS/NB 241 | 1-8-0 | Spatial Genomics <i>maximum enrollment: 6 students</i> | 01 | Cai, L | M 11:00 - 11:55 | B115 CNRB | |
| NB/Bi/CNS 250C | 3-0-6 | Topics in Systems Neuroscience | 01 | Siapas, A | W 14:00 - 16:55 | 130 CNRB | |
| CNS/Bi/NB 256 | 2-0-4 | Brain-machine Interfaces | 01 | Andersen, R | MW 13:00 - 13:55 | 330 BBB | |
| NB 299 | + | Graduate Research | 01 | Adolphs, R | A | A | P |
| | | | 02 | Allman, J | A | A | P |
| | | | 03 | Andersen, R | A | A | P |
| | | | 04 | Anderson, D | A | A | P |
| | | | 05 | Bronner Hansen, M | A | A | P |
| | | | 06 | Dickinson, M | A | A | P |
| | | | 07 | Gradinaru, V | A | A | P |
| | | | 08 | Hong, E | A | A | P |
| | | | 09 | Kennedy, M | A | A | P |
| | | | 10 | Lester, H | A | A | P |

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| NEUROBIOLOGY | | | | | | | |
| NB 299 | + | Graduate Research | 11 | Lois, C | A | A | P |
| | | | 12 | Meister, M | A | A | P |
| | | | 13 | Oka, Y | A | A | P |
| | | | 14 | Prober, D | A | A | P |
| | | | 15 | Roukes, M | A | A | P |
| | | | 16 | Shapiro, M | A | A | P |
| | | | 17 | Shimojo, S | A | A | P |
| | | | 18 | Siapas, A | A | A | P |
| | | | 19 | Sternberg, P | A | A | P |
| | | | 20 | Tsao, D | A | A | P |
| | | | 21 | Wagenaar, D | A | A | P |
| | | | 22 | Zinn, K | A | A | P |
| | | | 23 | Parker, J | A | A | P |
| | | | 24 | Yue, Y | A | A | P |
| | | | 25 | Elowitz, M | A | A | P |
| | | | 26 | Mazmanian, S | A | A | P |
| PERFORMING AND VISUAL ARTS | | | | | | | |
| PVA030C | 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 | Fr Rehearsal Hall HAM | P |
| | | | 02 | Elgart, M | T 15:30 - 16:25 | Fr Rehearsal Hall HAM | P |
| | | | 03 | Elgart, M | T 17:30 - 18:25 | Fr Rehearsal Hall HAM | P |
| PVA031C | 0-3-0 | Chamber Music <i>Sec 1: Mixed Ensembles // Sec 2: Piano Four-Hands // Sec 3: Guitar Ensemble</i> | 01 | Jasper White, M | OM,A | House Music | P |
| | | | 02 | Ward, R | OM,A | House Music | P |
| | | | 03 | Elgart, M | OM,A | House Music | P |
| PVA032C | 0-3-0 | Symphony Orchestra | 01 | Price, G | T 19:30 - 22:00 | Fr Rehearsal Hall HAM | P |
| PVA033C | 0-3-0 | Wind Orchestra | 01 | Price, G | R 19:30 - 21:45 | Fr Rehearsal Hall HAM | P |
| PVA034C | 0-3-0 | Jazz Band/Jazz Improvisation | 01 | Catlin, B | W 19:15 - 21:00 | Fr Rehearsal Hall HAM | P |
| | | | | | W 21:15 - 22:30 | Fr Rehearsal Hall | |

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| PERFORMING AND VISUAL ARTS | | | | | | | |
| PVA034C | 0-3-0 | Jazz Band/Jazz Improvisation | 01 | Catlin, B | | HAM | P |
| PVA035C | 0-3-0 | Glee Club | 01 | Sulahian, N | M 19:00 - 20:30 W 17:05 - 18:35 | Fr Rehearsal Hall HAM Fr Rehearsal Hall HAM | P |
| PVA037C | 0-3-0 | Chamber Singers | 01 | Sulahian, N | M 20:40 - 22:00 | Fr Rehearsal Hall HAM | P |
| PVA040C | 2-0-1 | Theater Arts Production | 01 | Brophy, B | W 19:00 - 20:25 | Ramo Auditorium BAX | P |
| PVA041C | 2-0-1 | Storytelling for Scientists | 01 | Brophy, B | W 19:00 - 20:25 | Ramo Auditorium BAX | P |
| PVA042C | 2-0-1 | Improvisation for Scientists | 01 | Brophy, B | W 20:30 - 21:55 | Ramo Auditorium BAX | P |
| PVA061C | 0-3-0 | Silk Painting <i>max enrollment: 18 students</i> | 01 | Barry, J | M 19:00 - 21:55 | Garage TCT | P |
| PVA062C | 0-3-0 | Drawing and Painting <i>maximum enrollment: 18 students per section</i> | 01 02 | Barry, J Barry, J | T 19:00 - 21:55 W 19:00 - 21:55 | Garage TCT Garage TCT | P P |
| PVA063C | 0-3-0 | Ceramics <i>maximum enrollment: 10 students</i> | 01 | Plunkett, L | R 19:00 - 21:55 | POLY | P |
| PHILOSOPHY | | | | | | | |
| Hum/PI 041 | 3-0-6 | Knowledge and Reality <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students</i> | 01 | Chua, E | TR 14:30 - 15:55 | 115 BCK | |
| Hum/PI 044 | 3-0-6 | Philosophy Through Science Fiction <i>Attendance at first class meeting is required. //</i> <i>Maximum enrollment: 15 students per section</i> | 01 02 | Sebens, C Sebens, C | TR 13:00 - 14:25 TR 10:30 - 11:55 | B119 BAX B119 BAX | |
| PI 090B | 1-0-8 | Senior Thesis <i>Instructor permission required prior to</i> <i>registering</i> | 01 | Eberhardt, F | A | A | |

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| PHILOSOPHY | | | | | | | |
| PI 098 | + | Reading in Philosophy <i>Instructor permission required prior to registering</i> | 01 | Quartz, S | A | A | P |
| HPS/PI 120 | 3-0-6 | Introduction to Philosophy of Science <i>maximum enrollment: 15 students</i> | 01 | Hitchcock, C | TR 10:30 - 11:55 | TR DAB | |
| HPS/PI 128 | 3-0-6 | Philosophy of Mathematics <i>maximum enrollment: 15 students</i> | 01 | Hitchcock, C | TR 14:30 - 15:55 | B133 BAX | |
| PI/HPS 183 | 3-0-6 | Bioethics <i>maximum enrollment: 20 students // class full, see instructor for waitlist</i> | 01 | Helou, A | TR 10:30 - 11:55 | 115 BCK | |
| PHYSICAL EDUCATION | | | | | | | |
| PE 001 | 3-0-0 | Wellness <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i> | 01 | Morgan, H | TR 09:00 - 10:25 | BAC | P |
| PE 002 | 3-0-0 | Student Designed Fitness <i>may only be taken once // maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i> | 01 | Blake, K | TR 10:30 - 11:55 | BAC | P |
| PE 003 | 3-0-0 | Hiking <i>may only be taken once // maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i> | 01 | Herbison, J | F 09:00 - 12:55 | BAC | P |
| PE 004 | 3-0-0 | Introduction to Power Walking <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i> | 01 | Gizella, M | TR 09:00 - 10:25 | BAC | P |
| PE 008 | 3-0-0 | Pickleball, Beginning <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i> | 01 | Meyring, E | MW 13:00 - 14:25 | BAC | P |
| PE 010 | 3-0-0 | Aerobic Dance <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i> | 01 | Sufi, M | MW 15:00 - 16:25 | BAC | P |

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| PHYSICAL EDUCATION | | | | | | | |
| PE 014 | 3-0-0 | Basketball Skills, Beginning/Intermediate <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i> | 01 | Tarakchian, A | TR 10:30 - 11:55 | BAC | P |
| PE 023 | 3-0-0 | Pilates <i>maximum enrollment: 18 students // Graduate students may not enroll until Add Day</i> | 01 | Chiang, N | TR 13:00 - 14:25 | BAC | P |
| PE 024 | 3-0-0 | Yoga, Beginning <i>maximum enrollment: 18 students per section // Graduate students may not enroll until Add Day</i> | 01 02 | Chiang, N Chiang, N | MW 13:00 - 14:25 TR 10:30 - 11:55 | BAC BAC | P P |
| PE 027 | 3-0-0 | Ultimate Frisbee <i>maximum enrollment: 18 students // Graduate students may not enroll until Add Day</i> | 01 | Gillis, D | TR 13:00 - 14:25 | BAC | P |
| PE 029 | 3-0-0 | Outdoor Lawn Games <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i> | 01 | Gray, E / Wilson, S | MW 10:00 - 11:25 | BAC | P |
| PE 030 | 3-0-0 | Golf, Beginning and Intermediate <i>maximum enrollment: 14 students // Graduate students may not enroll until Add Day</i> | 01 | Bonafede, J | MW 13:00 - 14:25 | BAC | P |
| PE 036 | 3-0-0 | Swimming, Beginning/Intermediate <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i> | 01 | Brabson, A | MW 14:00 - 15:25 | BAC | P |
| PE 044 | 3-0-0 | Karate (Shotokan), Beginning and Intermediate/Advanced <i>maximum enrollment: 20 students // Graduate students may not enroll until Add Day</i> | 01 | Sugino, L | TR 14:30 - 15:55 | BAC | P |
| PE 048 | 3-0-0 | T'ai-Chi Ch'uan, Beginning and Intermediate <i>maximum enrollment: 12 students // Graduate students may not enroll until Add Day</i> | 01 | Eslinger, O | MW 09:00 - 10:25 | BAC | P |
| PE 060 | 3-0-0 | Tennis, Beginning and Intermediate <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i> | 01 | Clark, A | MW 09:00 - 10:25 | BAC | P |

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|---------------------------|-------|--|---------|-------------------------|----------------------|----------------------|--------------|
| PHYSICAL EDUCATION | | | | | | | |
| PE 071 | 3-0-0 | Weight Training, Intermediate <i>maximum enrollment: 16 students // Graduate students may not enroll until Add Day</i> | 01 | Whitehead, K | MW 14:00 - 15:25 | BAC | P |
| PE 081 | 3-0-0 | Bouldering <i>may not be repeated // maximum enrollment: 12 students // Graduate students may not enroll until Add Day</i> | 01 | Herbison, J | TR 13:00 - 14:25 | BAC | P |
| PE 082 | 3-0-0 | Rock Climbing, Beginning and Intermediate <i>may not be repeated // maximum enrollment: 12 students // Graduate students may not enroll until Add Day</i> | 01 | Herbison, J | TR 14:30 - 15:55 | BAC | P |
| PE 084 | 3-0-0 | Table Tennis, Beginning, Intermediate, and Advanced <i>maximum enrollment: 12 students // Graduate students may not enroll until Add Day</i> | 01 | Gardner, T | MW 10:00 - 11:25 | BAC | P |
| PE 085 | 3-0-0 | Intercollegiate Track and Field Teams <i>Open to NCAA eligible students only</i> | 01 | Blake, K | MTWRFS 16:00 - 17:55 | BAC | P |
| PE 090 | 3-0-0 | Intercollegiate Water Polo Teams <i>Open to NCAA eligible students only</i> | 01 | Bonafede, J | MTWRFS 16:00 - 17:55 | BAC | P |
| PE 093 | 3-0-0 | Intercollegiate Baseball Team <i>Open to NCAA eligible students only</i> | 01 | Whitehead, K | MTWRFS 16:00 - 17:55 | BAC | P |
| PE 095 | 3-0-0 | Intercollegiate Tennis Teams <i>Open to NCAA eligible students only</i> | 01 | Weintraub, B / Clark, A | MTWRFS 16:00 - 17:55 | BAC | P |
| PHYSICS | | | | | | | |
| Ph 001C | 4-0-5 | Classical Mechanics and Electromagnetism <i>Sections 1-5 Practical Track // Sections 6-10 Analytical Track</i> | 01 | Refael, G | WF 15:00 - 15:55 | 201 BRG | |
| | | | | | MR 11:00 - 11:55 | 142 KCK | |
| | | | 02 | Refael, G | WF 15:00 - 15:55 | 201 BRG | |
| | | | | MR 15:00 - 15:55 | 102 STL | | |
| | | | 03 | Refael, G | WF 15:00 - 15:55 | 201 BRG | |
| | | | | | M 15:00 - 15:55 | Hameetman Aud CHL | |

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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</i> | 03 | Refael, G | R 16:00 - 16:55 | 219 CHL | |
| | | | 04 | Refael, G | WF 15:00 - 15:55 | 201 BRG | |
| | | | | | MR 15:00 - 15:55 | 125 KRK | |
| | | | 05 | Refael, G | WF 15:00 - 15:55 | 201 BRG | |
| | | | | | MR 11:00 - 11:55 | Hameetman Aud CHL | |
| | | | 06 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | |
| | | | | | MR 15:00 - 15:55 | 255 LINDE | |
| | | | 07 | Patterson, R | WF 11:00 - 11:55 | 201 BRG | |
| | | | | | MR 11:00 - 11:55 | 125 KRK | |
| | | | | | WF 11:00 - 11:55 | 201 BRG | |
| | | MR 15:00 - 15:55 | 103 DWN | | | | |
| | | WF 11:00 - 11:55 | 201 BRG | | | | |
| | | MR 11:00 - 11:55 | 102 STL | | | | |
| | | WF 11:00 - 11:55 | 201 BRG | | | | |
| | | MR 15:00 - 15:55 | 107 DWN | | | | |
| Ph 002C | 4-0-5 | Waves, Quantum Mechanics, and Statistical Physics <i>Maximum enrollment: 35 students per section</i> | 01 | Porter, F | TR 11:00 - 11:55 | 201 BRG | |
| | | | | | WF 11:00 - 11:55 | 107 DWN | |
| | | | 02 | Porter, F | TR 11:00 - 11:55 | 201 BRG | |
| | | | | | WF 13:00 - 13:55 | 269 LAU | |
| | | TR 11:00 - 11:55 | 201 BRG | | | | |
| | | WF 15:00 - 15:55 | 107 DWN | | | | |
| Ph 003 | 0-3-3 | Introductory Physics Laboratory <i>Maximum enrollment: 24 students per section</i> | 01 | Black, E / Libbrecht, K | OM,M 14:00 - 14:55 | 308 BRG | |
| | | | | | W 13:00 - 15:55 | 308 BRG | |
| | | | 02 | Black, E / Libbrecht, K | OM,M 14:00 - 14:55 | 308 BRG | |
| | | | | | R 13:00 - 15:55 | 308 BRG | |
| | | | 03 | Black, E / Libbrecht, K | OM,M 14:00 - 14:55 | 308 BRG | |
| | | F 13:00 - 15:55 | 308 BRG | | | | |
| Ph 007 | 0-9-0 | Physics Laboratory | 01 | Rice, F / Politzer, H | OM,T 16:00 - 16:55 | A | |
| Ph 008C | 0-3-0 | Experiments in Electromagnetism <i>open by permission of instructor only</i> | 01 | Spiropulu, M | A | A | |

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|-------------------|-------|---|---------|---------------------------|------------------------------------|------------------------|--------------|
| PHYSICS | | | | | | | |
| FS/Ph 011C | 2-0-4 | First-Year Seminar: Beyond Physics | 01 | Phillips, R | A | A | P |
| Ph 012C | 4-0-5 | Waves, Quantum Physics, and Statistical Mechanics | 01 | Simmons-Duffin, D | TR 10:30 - 11:55 | 269 LAU | G |
| Ph 021 | 0-6-0 | Computational Physics Laboratory II | 01 | McCuller, L / Adhikari, R | M 11:00 - 11:55 F 13:00 - 16:55 | 183 LINDE 183 LINDE | P |
| Ph 022 | 0-6-0 | Computational Physics Laboratory III | 01 | McCuller, L / Adhikari, R | M 11:00 - 11:55 F 13:00 - 16:55 | 183 LINDE 183 LINDE | P |
| Ph 070 | 2-0-4 | Oral and Written Communication <i>maximum enrollment: 9 students</i> | 01 | Hitlin, D | T 14:00 - 15:25 | 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 (Experiment) | 01 | Libbrecht, K | A | A | G |
| Ph 079C | + | Senior Thesis (Theory) | 01 | Libbrecht, K | A | A | P |
| Ay/Ph 104 | 3-0-6 | Relativistic Astrophysics | 01 | Most, E | TR 09:00 - 10:25 | 219 CHL | |
| Ph 106C | 4-0-5 | Topics in Classical Physics | 01 | Golwala, S | TR 10:30 - 11:55 | 107 DWN | |
| Ph 107 | 3-0-6 | Classical and Laser Optics | 01 | Hutzler, N / Adhikari, R | MWF 11:00 - 11:55 | 269 LAU | |
| Ph/APh/EE/BE 118A | 3-0-6 | Physics of Measurement | 01 | Roukes, M | TR 14:30 - 15:55 | 387 LINDE | |

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|------------------|-------|--|---------|---|--|--------------------|--------------|
| PHYSICS | | | | | | | |
| Ph 121C | 0-6-0 | Computational Physics Lab | 01 | Motrunich, O | TR 10:30 - 11:25 OM,T 10:30 - 11:25 | 103 DWN 103 DWN | P |
| Ph 125C | 4-0-5 | Quantum Mechanics | 01 | Cheung, C | MWF 10:00 - 10:55 | 107 DWN | |
| APh/Ph 138B | 3-0-6 | Quantum Hardware and Techniques | 01 | Faraon, A / Minnich, A | TR 14:30 - 15:55 | 142 KCK | P |
| APh/Ph/Ae/MS 153 | 3-0-6 | Fundamentals of Energy and Mass Transport in Small Scale Systems | 01 | Troian, S | TR 14:30 - 15:55 | 111 KCK | |
| Ph 171 | + | Reading and Independent Study | 01 | Adhikari, R | A | A | P |
| | | | 02 | Alicea, J | A | A | P |
| | | | 03 | Atwater, H | A | A | P |
| | | | 04 | Bernardi, M | A | A | P |
| | | | 05 | Bock, J | A | A | P |
| | | | 06 | Guadalupe Dos Santos Lins Brandao, F | A | A | P |
| | | | 07 | Zurek, K | A | A | P |
| | | | 08 | Chen, X | A | A | P |
| | | | 09 | Chen, Y | A | A | P |
| | | | 10 | Cheung, C | A | A | P |
| | | | 11 | Eisenstein, J | A | A | P |
| | | | 12 | Endres, M | A | A | P |
| | | | 13 | Filippone, B | A | A | P |
| | | | 14 | Golwala, S | A | A | P |
| | | | 15 | Gukov, S | A | A | P |
| | | | 16 | Harrison, F | A | A | P |
| | | | 17 | Hitlin, D | A | A | P |
| | | | 18 | Hopkins, P | A | A | P |
| | | | 19 | Hsieh, D | A | A | P |
| | | | 20 | Hunt, M | A | A | P |
| | | | 21 | Hutzler, N | A | A | P |
| | | | 22 | Kapustin, A | A | A | P |
| | | | 23 | Kimble, H | A | A | P |

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|-----------------|---------------|-------------------------------|---------|-------------------|-----------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 171 | + | Reading and Independent Study | 24 | Kitaev, A | A | A | P |
| | | | 25 | Knutson, H | A | A | P |
| | | | 26 | Libbrecht, K | A | A | P |
| | | | 27 | Martin, C | A | A | P |
| | | | 28 | Mawet, D | A | A | P |
| | | | 29 | Motrunich, O | A | A | P |
| | | | 30 | Nad Perge, S | A | A | P |
| | | | 31 | Newman, H | A | A | P |
| | | | 32 | Oguri, H | A | A | P |
| | | | 33 | Painter, O | A | A | P |
| | | | 34 | Patterson, R | A | A | P |
| | | | 35 | Phillips, R | A | A | P |
| | | | 36 | Phinney, E | A | A | P |
| | | | 37 | Politzer, H | A | A | P |
| | | | 38 | Porter, F | A | A | P |
| | | | 39 | Preskill, J | A | A | P |
| | | | 40 | Prince, T | A | A | P |
| | | | 41 | Refael, G | A | A | P |
| | | | 42 | Rosenbaum, T | A | A | P |
| | | | 43 | Roukes, M | A | A | P |
| | | | 44 | Scherer, A | A | A | P |
| | | | 45 | Schwab, K | A | A | P |
| | | | 46 | Schwarz, J | A | A | P |
| | | | 47 | Simmons-Duffin, D | A | A | P |
| | | | 48 | Spiropulu, M | A | A | P |
| | | | 49 | Stone, E | A | A | P |
| | | | 50 | Teukolsky, S | A | A | P |
| | | | 51 | Troian, S | A | A | P |
| | | | 52 | Weinstein, A | A | A | P |
| | | | 53 | Wise, M | A | A | P |
| | | | 54 | Yeh, N | A | A | P |
| | | | 55 | Yue, Y | A | A | P |
| 56 | Zmuidzinas, J | A | A | P | | | |

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|-----------------|-------|-------------------------------|---------|---------------|-----------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 171 | + | Reading and Independent Study | 57 | Rice, F | A | A | P |
| | | | 58 | McCuller, L | A | A | P |
| | | | 59 | Ghaffari, A | A | A | P |
| | | | 60 | Ye, L | A | A | P |
| Ph 172 | + | Research in Physics | 01 | Adhikari, R | A | A | P |
| | | | 02 | Atwater, H | A | A | P |
| | | | 03 | Bock, J | A | A | P |
| | | | 04 | Eisenstein, J | A | A | P |
| | | | 05 | Endres, M | A | A | P |
| | | | 06 | Filippone, B | A | A | P |
| | | | 07 | Golwala, S | A | A | P |
| | | | 08 | Harrison, F | A | A | P |
| | | | 09 | Hitlin, D | A | A | P |
| | | | 10 | Hsieh, D | A | A | P |
| | | | 11 | Hunt, M | A | A | P |
| | | | 12 | Hutzler, N | A | A | P |
| | | | 13 | Kimble, H | A | A | P |
| | | | 15 | Knutson, H | A | A | P |
| | | | 16 | Libbrecht, K | A | A | P |
| | | | 17 | Martin, C | A | A | P |
| | | | 18 | Mawet, D | A | A | P |
| | | | 19 | Nad Perge, S | A | A | P |
| | | | 20 | Newman, H | A | A | P |
| | | | 21 | Oguri, H | A | A | P |
| | | | 22 | Painter, O | A | A | P |
| | | | 23 | Patterson, R | A | A | P |
| | | | 24 | Phillips, R | A | A | P |
| | | | 25 | Porter, F | A | A | P |
| | | | 26 | Prince, T | A | A | P |
| | | | 27 | Rosenbaum, T | A | A | P |
| | | | 28 | Roukes, M | A | A | P |
| | | | 29 | Scherer, A | A | A | P |
| | | | 30 | Schwab, K | A | A | P |

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| PHYSICS | | | | | | | |
| Ph 172 | + | Research in Physics | 31 | Spiropulu, M | A | A | P |
| | | | 32 | Stone, E | A | A | P |
| | | | 33 | Weinstein, A | A | A | P |
| | | | 34 | Yeh, N | A | A | P |
| | | | 35 | Zmuidzinas, J | A | A | P |
| | | | 36 | Yue, Y | A | A | P |
| | | | 37 | Bellan, P | A | A | P |
| | | | 38 | Wise, M | A | A | P |
| | | | 39 | Bernardi, M | A | A | P |
| | | | 40 | Chen, X | A | A | P |
| | | | 41 | Chen, Y | A | A | P |
| | | | 42 | Cheung, C | A | A | P |
| | | | 43 | Guadalupe Dos Santos | A | A | P |
| | | | | Lins Brandao, F | | | |
| | | | 44 | Gukov, S | A | A | P |
| | | | 45 | Hopkins, P | A | A | P |
| | | | 46 | Kapustin, A | A | A | P |
| | | | 47 | Preskill, J | A | A | P |
| | | | 48 | Refael, G | A | A | P |
| | | | 49 | Simmons-Duffin, D | A | A | P |
| | | | 50 | Ravi, V | A | A | P |
| | | | 51 | Zurek, K | A | A | P |
| | | | 52 | Faraon, A | A | A | P |
| | | | 53 | Alicea, J | A | A | P |
| | | | 54 | Chan, G | A | A | P |
| | | | 55 | Teukolsky, S | A | A | P |
| | | | 56 | Chatzioannou, K | A | A | P |
| | | | 57 | Bradford, C | A | A | P |
| | | | 58 | Dore, O | A | A | P |
| | | | 59 | McCuller, L | A | A | P |
| | | | 60 | Motrunich, O | A | A | P |
| | | | 61 | Kasliwal, M | A | A | P |
| 62 | Ye, L | A | A | P | | | |

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| PHYSICS | | | | | | | |
| Ph 172 | + | Research in Physics | 63 | Most, E | A | A | P |
| Ph 177 | 0-4-5 | Advanced Experimental Physics | 01 | Rice, F / Hutzler, N | OM,M 16:00 - 16:55 | 304 BRG | |
| Ph 201 | 3-0-6 | Candidacy Physics Fitness <i>class meets outside LAU 469 common area</i> | 01 | Endres, M | W 16:00 - 17:55 | LAU | P |
| Ph 203 | 3-0-6 | Nuclear Physics | 01 | Filippone, B | TR 10:30 - 11:55 | 289 LINDE | |
| Ph 205C | 3-0-6 | Relativistic Quantum Field Theory | 01 | Wise, M | MW 10:30 - 11:55 | 255 LINDE | P |
| Ph/CS 219C | 3-0-6 | Quantum Computation | 01 | Preskill, J | MW 14:30 - 15:55 | 269 LAU | P |
| Ph/APh 223B | 3-0-6 | Advanced Condensed-Matter Physics | 01 | Alicea, J | MW 09:00 - 10:25 | 103 DWN | |
| Ph 229B | 3-0-6 | Advanced Mathematical Methods of Physics | 01 | Kapustin, A | TR 10:30 - 11:55 | 469 LAU | P |
| Ph 237 | 3-0-6 | Gravitational Waves | 01 | Chen, Y | TR 14:30 - 15:55 | 269 LAU | |
| Ph 300 | + | Thesis Research | 01 | Adhikari, R | A | A | P |
| | | | 02 | Alicea, J | A | A | P |
| | | | 03 | Atwater, H | A | A | P |
| | | | 04 | Bernardi, M | A | A | P |
| | | | 05 | Bock, J | A | A | P |
| | | | 06 | Guadalupe Dos Santos Lins Brandao, F | A | A | P |
| | | | 08 | Chen, X | A | A | P |
| | | | 09 | Chen, Y | A | A | P |
| | | | 10 | Cheung, C | A | A | P |
| | | | 11 | Eisenstein, J | A | A | P |
| | | | 12 | Endres, M | A | A | P |

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|-----------------|-------|-----------------|---------|--------------|-----------|----------|--------------|
| PHYSICS | | | | | | | |
| Ph 300 | + | Thesis Research | 13 | Filippone, B | A | A | P |
| | | | 14 | Golwala, S | A | A | P |
| | | | 15 | Gukov, S | A | A | P |
| | | | 16 | Harrison, F | A | A | P |
| | | | 17 | Hitlin, D | A | A | P |
| | | | 18 | Hopkins, P | A | A | P |
| | | | 19 | Hsieh, D | A | A | P |
| | | | 20 | Hunt, M | A | A | P |
| | | | 21 | Hutzler, N | A | A | P |
| | | | 22 | Kapustin, A | A | A | P |
| | | | 23 | Kimble, H | A | A | P |
| | | | 24 | Kitaev, A | A | A | P |
| | | | 25 | Knutson, H | A | A | P |
| | | | 26 | Libbrecht, K | A | A | P |
| | | | 27 | Marcolli, M | A | A | P |
| | | | 28 | Martin, C | A | A | P |
| | | | 29 | Mawet, D | A | A | P |
| | | | 30 | Motrunich, O | A | A | P |
| | | | 31 | Nad Perge, S | A | A | P |
| | | | 32 | Newman, H | A | A | P |
| | | | 33 | Oguri, H | A | A | P |
| | | | 34 | Painter, O | A | A | P |
| | | | 35 | Patterson, R | A | A | P |
| | | | 36 | Phillips, R | A | A | P |
| | | | 37 | Phinney, E | A | A | P |
| | | | 38 | Politzer, H | A | A | P |
| | | | 39 | Porter, F | A | A | P |
| | | | 40 | Preskill, J | A | A | P |
| | | | 41 | Prince, T | A | A | P |
| | | | 42 | Refael, G | A | A | P |
| | | | 43 | Rosenbaum, T | A | A | P |
| | | | 44 | Roukes, M | A | A | P |
| | | | 45 | Scherer, A | A | A | P |

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| PHYSICS | | | | | | | |
| Ph 300 | + | Thesis Research | 46 | Schwab, K | A | A | P |
| | | | 47 | Schwarz, J | A | A | P |
| | | | 48 | Scoville, N | A | A | P |
| | | | 49 | Simmons-Duffin, D | A | A | P |
| | | | 50 | Spiropulu, M | A | A | P |
| | | | 51 | Stone, E | A | A | P |
| | | | 52 | Teukolsky, S | A | A | P |
| | | | 53 | Troian, S | A | A | P |
| | | | 54 | Weinstein, A | A | A | P |
| | | | 55 | Wise, M | A | A | P |
| | | | 56 | Yeh, N | A | A | P |
| | | | 57 | Yue, Y | A | A | P |
| | | | 58 | Zmuidzinas, J | A | A | P |
| | | | 59 | Ravi, V | A | A | P |
| | | | 60 | Chatzioannou, K | A | A | P |
| | | | 61 | Zurek, K | A | A | P |
| 62 | Most, E | A | A | P | | | |
| 63 | McCuller, L | A | A | P | | | |
| POLITICAL SCIENCE | | | | | | | |
| PS 012 | 3-0-6 | Introduction to Political Science <i>maximum enrollment: 52 students</i> | 01 | Hirsch, A | TR 10:30 - 11:55 | B125 BAX | |
| PS 097 | + | Undergraduate Research <i>Instructor permission required prior to registering</i> | 01 | Staff | A | A | P |
| PS 099B | 3-0-6 | Political Science Research Seminar <i>Designated as Writing Intensive Course // Instructor permission required prior to registering</i> | 01 | Alvarez, R | A | A | |
| PS 120 | 3-0-6 | American Electoral Behavior and Party Strategy <i>Designated as Writing Intensive Course</i> | 01 | Alvarez, R | MW 10:30 - 11:55 | 125 BAX | G |

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|---|-----------|--|---------|------------------------------|-------------------|------------------|--------------|
| POLITICAL SCIENCE | | | | | | | |
| PS 123 | 3-0-6 | Regulation and Politics <i>Designated as Writing Intensive Course</i> | 01 | Kiewiet, D | W 19:30 - 21:25 | B125 BAX | G |
| PS/Ec 128 | 3-0-6 | Introduction to Public Health Economics and Policy <i>maximum enrollment: 15 students</i> | 01 | Cao, C | TR 09:00 - 10:25 | B119 BAX | G |
| PS 139 | 3-0-6 | Comparative Politics | 01 | Lopez-Moctezuma Jassan, G | M 19:00 - 21:55 | 125 BAX | G |
| PS 141B | 3-0-6 | A History of Budgetary Politics in the United States <i>designated as Writing Intensive course // maximum enrollment: 75 students</i> | 01 | Kiewiet, D | R 14:30 - 16:25 | 102 SPL | G |
| PSYCHOLOGY | | | | | | | |
| Psy013 | 3-0-6 | Introduction to Cognitive Neuroscience <i>maximum enrollment: 100 students</i> | 01 | Mobbs, D | TR 10:30 - 11:55 | Lecture Hall BAX | |
| Psy/CNS 105A | 1.5-0-3.5 | Frontiers in Neuroeconomics | 01 | O'Doherty, J | T 14:30 - 15:55 | 115 DAB | G |
| Psy/Bi/CNS 255 | 3-0-6 | Topics in Emotion and Social Cognition <i>maximum enrollment: 12 students</i> | 01 | Mobbs, D | W 10:00 - 12:55 | B119 BAX | |
| Psy283C | 1.5-0-1.5 | Graduate Proseminar in Social and Decision Neuroscience <i>this course is only open to graduate students in the Social and Decision Neuroscience, Computational and Neural Systems and Social Science PhD programs</i> | 01 | Camerer, C | T 13:00 - 14:25 | 115 DAB | P |
| SCIENTIFIC AND ENGINEERING COMMUNICATION | | | | | | | |
| SEC010 | 3-0-0 | Technical Seminar Presentations <i>Open to E&AS Seniors only // Maximum enrollment: 18 students per section // to be added to the waitlist after class fills, go to https://forms.office.com/r/PdpAgZbPst</i> | 01 | Gold, J | MWF 09:00 - 09:55 | 100 PWB | G |
| | | | 02 | Gold, J | MWF 10:00 - 10:55 | 100 PWB | G |
| | | | 03 | Gold, J | MWF 11:00 - 11:55 | 100 PWB | G |

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| SCIENTIFIC AND ENGINEERING COMMUNICATION | | | | | | | |
| SEC011 | 1-0-2 | Written Academic Communication in Engineering and Applied Science <i>Priority given to seniors in E&AS and GPS // Maximum enrollment: 20 students // to be added to the waitlist after class fills, go to https://forms.office.com/r/B2qGYuQujs</i> | 01 | Meyer, V | W 13:00 - 13:55 | 104 WAT | G |
| SEC013 | 1-0-2 | Written Communication about Engineering and Applied Science to Non-Specialists <i>Priority given to seniors in E&AS and GPS // Maximum enrollment: 20 students // to be added to the waitlist after class fills, go to https://forms.office.com/r/B2qGYuQujs</i> | 01 | Burkett, E | W 11:00 - 11:55 | 104 WAT | G |
| SOCIAL SCIENCE | | | | | | | |
| SS 201C | 3-0-6 | Analytical Foundations of Social Science <i>Open to Social Science graduate students only.</i> | 01 | Sprenger, C / Camerer, C | TR 14:30 - 15:55 | B125 BAX | G |
| SS 202C | 3-0-6 | Political Theory <i>Open to Social Science graduate students only.</i> | 01 | Lopez-Moctezuma Jassan, G | MW 13:00 - 14:25 | 127 BAX | G |
| SS 205C | 3-0-6 | Foundations of Economics <i>Open to Social Science graduate students only.</i> | 01 | Pourbabae, M | MW 14:30 - 15:55 | 128 BAX | G |
| SS 210C | 3-0-6 | Foundations of Political Economy | 01 | Hirsch, A | F 13:00 - 15:55 | 128 BAX | G |
| SS 211C | 3-0-6 | Advanced Economic Theory | 01 | Caradonna, P | T 11:00 - 12:25 W 09:00 - 10:25 | 117 DAB 117 DAB | G |
| SS 212C | 3-0-6 | Experimental Economics | 01 | Agranov, M | W 14:30 - 15:55 R 13:00 - 14:25 | 239 BAX 239 BAX | G |
| SS 222C | 3-0-6 | Econometrics | 01 | Sherman, R | TR 13:00 - 14:25 | B125 BAX | G |
| SS 223C | 3-0-6 | Topics in Theoretical and Applied Econometrics <i>Open to graduate students only</i> | 01 | Xin, Y | MR 10:30 - 11:55 | 117 DAB | G |

CALIFORNIA INSTITUTE OF TECHNOLOGY
OFFICE OF THE REGISTRAR
Course Schedule SP 2023-24

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| Course Offering | Units | Offering Title | Section | Instructor | Days/Time | Location | Grade Scheme |
|---------------------------|-----------|---|---------|---------------------------|-----------------|----------|--------------|
| SOCIAL SCIENCE | | | | | | | |
| SS 228C | 3-0-6 | Applied Empirical Methods in the Social Sciences | 01 | Lopez-Moctezuma Jassan, G | T 13:00 - 15:55 | 239 BAX | G |
| SS 229B | 3-0-6 | Theoretical and Quantitative Dimensions of Historical Development <i>class cancelled</i> | 01 | Janas, P | A | A | G |
| SS 282C | 1.5-0-1.5 | Graduate Proseminar in Social Science | 01 | Xin, Y | M 14:30 - 15:55 | 127 BAX | P |
| SS 300 | + | Research in Social Science | 01 | Cvitanic, J | A | A | P |
| | | | 03 | Echenique, F | A | A | P |
| | | | 04 | Hoffman, P | A | A | P |
| | | | 06 | Katz, J | A | A | P |
| | | | 08 | Tamuz, O | A | A | P |
| | | | 09 | Camerer, C | A | A | P |
| | | | 11 | Palfrey, T | A | A | P |
| | | | 12 | Kiewiet, D | A | A | P |
| | | | 14 | Alvarez, R | A | A | P |
| | | | 15 | Plott, C | A | A | P |
| | | | 16 | Hirsch, A | A | A | P |
| | | | 17 | Agranov, M | A | A | P |
| | | | 18 | Rosenthal, J | A | A | P |
| | | | 19 | Shum, M | A | A | P |
| | | | 20 | Rangel, A | 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 |
| | | | 28 | Mobbs, D | A | A | P |
| | | | 29 | Sprenger, C | A | A | P |
| | | | 30 | Nielsen, K | A | A | P |
| | | | 32 | Pomatto, L | A | A | P |
| | | | 33 | Sherman, R | A | A | P |
| STUDENT ACTIVITIES | | | | | | | |

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|---------------------------|--------|---|---------|--------------------------|------------------|-------------|--------------|
| STUDENT ACTIVITIES | | | | | | | |
| SA 016C | 0-3-0 | Cooking Basics <i>maximum enrollment: 20 students</i> | 01 | Mannion, T | R 19:00 - 21:55 | Library AVE | P |
| SA 080C | 1-1-1 | Health Advocates <i>maximum enrollment: 24 students per section</i> | 01 | Stapf, M / Mateo, V | W 19:00 - 21:55 | 132 YHC | P |
| | | | 02 | Stapf, M / Mateo, V | R 19:00 - 21:55 | 132 YHC | P |
| SA 081 | 1-1-1 | Peer Advocates <i>open only to Peer Advocates // maximum enrollment: 40 students</i> | 01 | Coleman, L / Tesfaye, M | R 19:00 - 20:55 | 269 LAU | P |
| 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 |
| VISUAL CULTURE | | | | | | | |
| Hum/VC 048 | 3-0-6 | Ways of Seeing <i>Attendance at first class meeting is required. // Maximum enrollment: 15 students</i> | 01 | Jacobson, B | TR 14:30 - 15:55 | B119 BAX | |
| Hum/VC 050 | 3-0-6 | Introduction to Film <i>Attendance at first class meeting is required. // maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Jurca, C | TR 13:00 - 14:25 | 128 BAX | |
| VC 090 | + | Reading in Visual Culture <i>instructor permission required to enroll</i> | 01 | Staff | A | A | P |
| VC 131 | 3-2-4 | Visual Culture and the California Environment <i>maximum enrollment: 12 students</i> | 01 | Jacobson, B / Mushkin, H | TR 10:30 - 11:55 | 115 DAB | |
| VC 132 | 3-0-6 | Visual Activism <i>maximum enrollment: 20 students</i> | 01 | Stielau, A | TR 10:30 - 11:55 | 228 BAX | G |
| VC 170 | 3-0-6 | Special Topics in Visual Culture: Narrative in Twentieth Century American Art <i>maximum enrollment: 15 students</i> | 01 | Linkof, R | M 19:00 - 21:55 | TR DAB | |

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| VISUAL CULTURE | | | | | | | |
| En/VC 172 | 3-0-6 | Heritage and Its Discontents <i>maximum enrollment: 15 students // class full, see instructor for waitlist</i> | 01 | Jurca, C | TR 10:30 - 11:55 | 128 BAX | |
| WRITING | | | | | | | |
| Wr 050 | + | Tutorial in Writing | 01 | Hall, S | A | A | P |
| En/Wr 083 | 3-0-6 | Personal Narrative and STEM Research <i>maximum enrollment: 15 students // open to undergraduate students only</i> | 01 | Hall, S | TR 13:00 - 14:25 | 121 BCK | |
| ESL/Wr 107 | 3-0-3 | Fundamentals of Scientific Writing <i>class cancelled</i> | 01 | Manoukian, N | A | A | P |