**UCSF Bioengineering Course Listing Winter 2021 Schedule**

**Study List is open from November 2, 2020 – January 22, 2021. There is a $50 fine for missing this deadline!**

**Winter Quarter: January 1 – March 28, 2021**

**CLASSES START Monday, January 4th**

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| --- | --- | --- | --- |
| ***Course*** | ***Day & Time*** | ***Campus / Room*** | ***Contact/Instructor*** |
| **BioE 215 Rotation** (3 units) | **TBD** by PI | Lab | SF Rotation PI |
| **BioE 250** **Research** (1- 8 units) | **TBD** by PI | Lab | SF Mentor or Sri Nagarajan |
| **BioE 241** Metabolism and Magnetic Resonance Spectroscopy | **T TH**  Time TBD | Zoom | John Kurhanewicz  [john.kurhanewicz@ucsf.edu](mailto:john.kurhanewicz@ucsf.edu) |
| **BioE 270** (MTM) Translational Challenges: Diagnostics, Devices & Therapeutics | **W**  5:00-7:00PM | Zoom | Shuvo Roy [shuvo.roy@ucsf.edu](mailto:shuvo.roy@ucsf.edu) ,  Contact Instructor prior to enrolling |
| **BBC Seminar Series** | **Th**  12:00 – 1:00PM | Zoom | Nicole Flowers  [nicole.flowers@ucsf.edu](mailto:nicole.flowers@ucsf.edu) |
| **PSPG Seminar Series** | **W**  12:00-1:00PM | Zoom | Rebecca Dawson  (<Rebecca.Dawson@ucsf.edu)> |
| **BMS Seminar Series** | **W**  4:00-5:00PM | Zoom | Demian Sainz  (<Demian.Sainz@ucsf.edu>) |
| ***Other Courses:*** |  | ***Contacts for class confirmation*** | |
|  |  |  | |
| **BI 203** Imaging Probes for Nuclear and Optical Imaging |  |  | [Henry.VanBrocklin@ucsf.edu](mailto:Henry.VanBrocklin@ucsf.edu) (*Contact instructor prior to enrolling)* |
| **BI 204** Principles of Diagnostic and Therapeutic Ultrasound |  |  | [David.Saloner@ucsf.edu](mailto:David.Saloner@ucsf.edu) (*Contact instructor prior to enrolling)* |
| **BI 211** MR Pulse Sequences |  |  | [roland.krug@ucsf.edu](roland.krug@ucsf.edu%20)  (*Contact instructor prior to enrolling)* |
| **BI 230** Vascular Imaging  *Contact instruction for permission to enroll* |  |  | [David.Saloner@ucsf.edu](mailto:David.Saloner@ucsf.edu) (*Contact instructor prior to enrolling)* |
| **BI 265** Image Processing and Analysis II |  |  | [Janine.Lupo@ucsf.edu](mailto:Janine.Lupo@ucsf.edu) |
| **BMI 203** Biocomputing Algorithms |  |  | [sali@saliab.org](mailto:sali@saliab.org) |
| **BMS 225B** Investigating Human Biology and Disease |  |  | Saul.Villeda@ucsf.edu  *For permission to enroll contact-* Demian.Sainz@ucsf.edu |
| **BMS 255** Basic Genetics and Genomics |  |  | [Christian.Vaisse@ucsf.edu](mailto:Christian.Vaisse@ucsf.edu)  *For permission to enroll contact-* Demian.Sainz@ucsf.edu |
| **BPS 112** Statistics |  |  | *For permission to enroll contact-*  [Jim.Lightwood@ucsf.edu](mailto:Jim.Lightwood@ucsf.edu) |
| **Biophysics 204B** Macromolecular Structure & Interactions (Macro/Methods) |  |  | [stroud@msg.ucsf.edu](mailto:stroud@msg.ucsf.edu) |
| **Biophysics 205B** ComplexSystems Biology (single cell genomics) |  |  | Contact for enrollment- [Hani.Goodarzi@ucsf.edu](mailto:Hani.Goodarzi@ucsf.edu) |
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**Additional UCSF Course Information and Resources**

**UCSF Registrar:**

**Academic Calendar** <https://registrar.ucsf.edu/academic-calendar>

**All Course Catalog** <https://coursecatalog.ucsf.edu/>

**Schedule of Classes** <https://saa.ucsf.edu/courseschedule/>

**Study List Filing** <http://registrar.ucsf.edu/registration/study-list-filing>

**UCSF Deadlines** <https://registrar.ucsf.edu/registration/deadlineshome>

**BioE Program Information:**

**Program Handbook:** [**https://bioegrad.berkeley.edu/wp-content/uploads/BerkeleyUCSF\_BioEHandbook\_2020-21-8.3.20.pdf**](https://bioegrad.berkeley.edu/wp-content/uploads/BerkeleyUCSF_BioEHandbook_2020-21-8.3.20.pdf)

**Course Requirements and Program of Study (For more detailed information, view the program handbook)**

**All students in the Program must complete the following course requirements:**

1. Area Requirements: (breadth requirements, many satisfied by previous coursework)
2. Major Area and Minor Area: (depth requirements completed by graduate courses)
3. Major = 16 semester (24 quarter) units. Minor = 8 semester (12 quarter) units.
4. First Year Seminars: Bioengineering 200 (UCB) and Bioengineering 280/281 (UCSF)
5. Bioengineering Teaching Techniques: Bioengineering 301 (UCB)
6. Ethics: Bioengineering 201 (UCB) or equivalent, taken in the first and fourth years

**UCSF BioE Course listing**: <https://coursecatalog.ucsf.edu/bioengr>

**BEAST** <https://ucbeast.berkeley.edu/>

**Other Programs/Departments**:

**Biopharmaceutical Sciences (BPS, PSPG)** <https://pspg.ucsf.edu/>

**Biophysics (BP)** - <http://biophysics.ucsf.edu/seminars-events>

**BMI -** <http://bioinformatics.ucsf.edu/degree-program/courses>

**Biomedical Imaging,** MS Program **(MSBI or BI)** **Radiology -**

<http://radiology.ucsf.edu/education/graduate-programs/mbi-program/curriculum>

**Biomedical Sciences (BMS)** <https://bms.ucsf.edu/>

**Masters Translational Medicine (MTM)**  <http://bioeng.berkeley.edu/mtm/program> <http://bioeng.berkeley.edu/mtm/electives>

**Other UCSF** [Graduate Programs](https://graduate.ucsf.edu/list-programs)

**Quantitative Biosciences Consortium (QBC) -** <http://qbc.ucsf.edu/about>

**QB3, CA Institute for Quantitative Biosciences UCB/UCSC/UCSF** -<https://qb3.org/events/>

**Career & Professional Development Center, UCSF** - [http://career.ucsf.edu](http://career.ucsf.edu/)

**Ethics Courses (RCR) -** <http://career.ucsf.edu/ethics-and-responsible-conduct-research>

**Individual Development Plan (IDP)** <https://career.ucsf.edu/phds/myIDP>

***Courses Outside of UCSF:***

[Intercampus Exchange](https://registrar.ucsf.edu/registration/intercampus-exchange) <https://registrar.ucsf.edu/registration/intercampus-exchange>  
allows graduate students to take courses on another campus of the university while remaining registered on the home campus. It provides the opportunity for contact with scholars, fields of study, and facilities not available on the home campus.

[SF Consortium](https://registrar.ucsf.edu/current-former-students/registration/sf-consortium) <https://registrar.ucsf.edu/current-former-students/registration/sf-consortium>  
Regularly enrolled, full-time matriculated students of a San Francisco Consortium member institution may register for credit in courses offered by other member institutions with the consent of their faculty adviser and consent of the host institution instructor, as space is available in the desired class. City College of San Francisco, University of San Francisco, San Francisco State University, University of California, San Francisco, Hastings College of the Law, Golden Gate University.

[Stanford Exchange](https://registrar.ucsf.edu/current-former-students/registration/stanford-exchange) <https://registrar.ucsf.edu/current-former-students/registration/stanford-exchange>  
enables a regularly enrolled, full-time, matriculated students to take courses on the host campus that are not available at the home institution. Whenever possible, arrangements should be made between appropriate faculty representatives on both campuses to assure that courses will be available to students. No charge applies to the student on either institution.