

**Biological Engineering/Course 20  
Spring 2024 Subject Offerings**

Subject	Title	Master	Instructor	Units	Level	Section	Schedule	Room	Notes
20.005	Ethics for Engineers		Lauffenburger	2 0 7	U	L1	M 3:00 PM - 5:00 PM	66-156	Meets With: 6.9041,10.01
20.005	Ethics for Engineers			2 0 7	U	L2	T 3:00 PM - 5:00 PM	66-148	Meets With: 6.9041,10.01
20.005	Ethics for Engineers			2 0 7	U	L2	W 3:00 PM - 5:00 PM	66-148	Meets With: 6.9041,10.01
20.005	Ethics for Engineers			2 0 7	U	L5	W 7:00 PM - 9:00 PM	66-148	Meets With: 6.9041,10.01
20.020	Introduction to Biological Engineering Design Using Synthetic Biology		Buck				T Th 2:00 PM - 5:00 PM	36-144	Meets With: 20.385
20.051	Introduction to NEET: Living Machines		Griffith, Salek	2 3 1	U	L1	W F 4:00 PM - 5:00 PM	4-149	
20.054	NEET - Living Machines Research Immersion		Griffith, Salek	0 0 0	U	T1	T 7 PM - 8:00 PM	56-169	
20.104J	Environmental Cancer Risks, Prevention, and Therapy		Thilly	3 0 9	U	L1	T Th 1:00 PM - 2:30 PM	16-771	
20.109	Laboratory Fundamentals in Biological Engineering-Lecture		Koehler, Belcher, Lyell, Meyer, Zhan,Ricci-Tam	2 8 5	U	L1	T Th 11:00 AM - 12:00 PM	4-237	
20.109	Laboratory Fundamentals in Biological Engineering-Lab			2 8 5	U	B1	T Th 1:00 PM - 5:00 PM	56-322	
20.109	Laboratory Fundamentals in Biological Engineering-Lab			2 8 5	U	B2	W F 1:00 PM - 5:00 PM	56-322	
20.129J	Biological Circuit Engineering Laboratory		Niles, Weiss, Buck	2 8 2	U	L01	M W 12:00 PM - 1:00 PM	36-144	Meets With: 6.4480
20.129J	Biological Circuit Engineering Laboratory - Lab				U	B1	M W 1:00 PM - 5:00 PM	26-035	
20.200	Biological Engineering Seminar: BATS		Engelward, Bryson	1 0 2	G	L1	F 12:00 PM - 1:00 PM	32-155	
20.201	Fundamentals of Drug Development		Dedon, Sasisekharan	4 0 8	G	L1	M W 1:30 PM - 3:00 PM	56-614	
20.201	Fundamentals of Drug Development			4 0 8	G	R1	F 1:30 PM - 2:30 PM	56-614	
20.203J	Neurotechnology in Action	9.123J	Boyden, Jasanoff, Jonas	3 6 3	G	L1	T Th 2:30 PM - 4:00 PM	46-4062	
20.205J	Principles&Applctins of Genetic Eng for Biotechnology&Neuroscience	9.26J	Zhang	3 0 9	U	L1	F 1:00 PM - 4:00 PM	4-146	
20.213	Genome Stability &Eng in the Context of Diseases, Drugs & Public Health		Engelward	4 0 5	U	L1	M W 9:00 AM - 11:00 AM	56-167	Meets second half of term: April 3
20.230J	Immunology	7.23J	Birnbaum, Spranger	5 0 7	U	L1	M W 9:30 AM - 11:00 AM	4-370	Meets With: 7.63,7.23
20.230J	Immunology	7.23J		5 0 7	U	R1	W 12:00 PM - 1:00 PM	56-167	Meets With: 7.63,7.23
20.230J	Immunology	7.23J		5 0 7	U	R2	W 7:00 PM - 8:00 PM	66-168	Meets With: 7.63,7.23
20.230J	Immunology	7.23J		5 0 7	U	R3	Th 4:00 PM - 5:00 PM	66-160	Meets With: 7.63,7.23
20.260	Computational Analysis of Biological Data		Lauffenburger, White	3 0 6	U	L1	T Th 1:00 PM - 3:00 PM	16-220	Meets With: 20.460
20.309J	Instrumentation and Measurement for Biological Systems	2.673J	Hansen, Boyden, Wasserman, Jonas, Ly	3 6 3	U	L1	T Th F 12:00 PM - 1:00 PM	4-237	Meets With: 20.409
20.310J	Molecular, Cellular, and Tissue Biomechanics	2.797J	So, Raman	4 0 8	U	L1	T Th 1:00 PM - 2:30 PM	4-237	Meets with: 20.410
20.330J	Fields, Forces and Flows in Biological Systems		Manalis, Han	4 0 8	U	L1	M W F 11:00 AM - 12:00 PM	4-163	
20.330J	Fields, Forces and Flows in Biological Systems			4 0 8	U	R1	T 10:00 AM - 11:00 AM	56-167	
20.330J	Fields, Forces and Flows in Biological Systems			4 0 8	U	R2	T 4:00 PM - 5:00 PM	56-162	
20.330J	Fields, Forces and Flows in Biological Systems			4 0 8	U	R3	W 10:00 PM - 11:00 AM	56-180	
20.330J	Fields, Forces and Flows in Biological Systems			4 0 8	U	R4	W 12:00 PM - 1:00 PM	56-154	
20.330J	Fields, Forces and Flows in Biological Systems			4 0 8	U	R4	Th 12:00 PM - 1:00 PM	66-160	
20.365	Engineering the Immune System in Cancer and Beyond		Irvine	3 0 6	U	L1	T Th 1:00 PM - 2:30 PM	56-614	Meets With: 20.465
20.380	Biological Engineering Design		Ribbeck, Bhargava, Buck	5 0 7	U	L1	T Th 9:00 AM - 12:00 PM	56-614	
20.381	Biological Engineering Design II		Buck, Jonas	0 12 0	U	B1	Arr Hrs	26-035	
20.385	Design in Synthetic Biology		Buck	3 3 3	U	L1	T Th 2:00 PM - 5:00 PM	36-144	Meets With: 20.020
20.390J	Computational Systems Biology: Deep Learning in the Life Sciences	6.8711	Alm, Berger	3 0 9	U	L1	T Th 12:30 PM - 2:00 PM	10-250	Meets With: 6.8710, 6.8711, 20.490, HST.506
20.409	Biological Engineering II: Instrumentation and Measurement		Hansen, Boyden, Wasserman, Jonas, Ly	2 7 3	G	L1	T Th F 12:00 PM - 1:00 PM	4-237	Meets With: 20.309
20.410J	Molecular, Cellular, and Tissue Biomechanics		So, Raman	4 0 8	U	L1	T Th 1:00 PM - 2:30 PM	4-237	Meets with: 20.310
20.440	Analysis of Biological Networks		Bryson, Blainey	6 0 9	G	L1	M W 2:00 PM - 3:30 PM	32-124	
20.440	Analysis of Biological Networks			6 0 9	G	L1a	F 2:30 PM - 3:30 PM	32-124	
20.460	Computational Analysis of Biological Data		Lauffenburger, White	3 0 6	U	L1	T Th 1:00 PM - 3:00 PM	16-220	Meets With: 20.260
20.465	Engineering the Immune System in Cancer and Beyond		Irvine	3 0 6	G	L1	T Th 1:00 PM - 2:30 PM	56-614	Meets With: 20.365
20.490J	Computational Systems Biology: Deep Learning in the Life Sciences		Alm, Berger	3 0 9	G	L1	T Th 12:30 PM - 2:00 PM	10-250	Meets With: 6.8710, 6.8711, 20.390, HST.506
20.535J	Protein Engineering	10.535J	Wittrup	3 0 9	G	L1	T Th 9:30 AM - 11:00 AM	66-154	
20.586J	Science and Business of Biotechnology	7.546J	Lodish, Chen, Koehler, Lo	3 0 6	G	L1	Th 3:00 PM - 6:00 PM	WI-AUDIT	
20.586J	Science and Business of Biotechnology	7.546J		3 0 6	G	R1	T 4:00 PM - 5:00 PM	68-180	
20.586J	Science and Business of Biotechnology	7.546J		3 0 6	G	R2	T 5:00 PM - 6:00 PM	68-180	
20.630J	Immunology	7.63J	Birnbaum, Spranger	5 0 7	G	L1	M W 9:30 AM - 11:00 AM	4-370	Meets With: 7.63,7.23
20.630J	Immunology	7.63J		5 0 7	G	R1	W 12:00 PM - 1:00 PM	56-167	Meets With: 7.63,7.23
20.630J	Immunology	7.63J		5 0 7	G	R2	W 7:00 PM - 8:00 PM	66-168	Meets With: 7.63,7.23
20.630J	Immunology	7.63J		5 0 7	G	R3	Th 4:00 PM - 5:00 PM	66-160	Meets With: 7.63,7.23
20.951	Thesis Proposal			0 24 0	G	T1	Thesis or Unscheduled subject		
20.C01J	Machine Learning for Molecular Engineering	3.100J	Coley, Fraenkel, Gomez-Bombarelli	2 0 4	U	T1	F 11:00 AM - 12 PM	6-120	Meets With: 3.C01/10.C01/3.C51/10.C51/20.C51
20.C51J	Machine Learning for Molecular Engineering	3.100J	Coley, Fraenkel, Gomez-Bombarelli	2 0 4	U	T1	F 11:00 AM - 12 PM	6-120	Meets With: 3.C01/10.C01/20.C01/3.C51/10.C51
20.5952	Special Subject in Biological Engineering			0 0 0	G	L1	Th 4:00 PM - 6:00 PM	32-155	
20.THG	Graduate Thesis			0 0 0	G	T1	Thesis or Unscheduled subject		