

**Biological Engineering  
Spring 2019 Offerings**

Subject	Title	Instructors	Units	Level	Section	Schedule	Room	Notes	Final Exam
20.005	Ethics for Engineers	Trout	2 0 7	U	L1	M 3:00 PM - 5:00 PM	56-154	Meets With: 10.01	No
					L2	T 3:00 PM - 5:00 PM	66-168	Meets With: 10.01	
					L3	T 7:00 PM - 9:00 PM	56-154	Meets With: 10.01	
					L4	W 3:00 PM - 5:00 PM	56-154	Meets With: 10.01	
20.051	NEET Sophomore Seminar: Living Machines	Kassis, Timothy	3 0 3	U	L1	F 3:00 PM - 5:00 PM	56-180		No
20.052	NEET Junior Seminar: Living Machines	Kassis, Timothy	3 0 3	U	L1	F 1:00 PM - 3:00 PM	56-180		No
20.104J (M) , 1.081J	Environmental Cancer Risks, Prevention, and Therapy	Thilly, William G.	3 0 9	U	L1	T Th 1:00 PM - 2:30 PM	16-220		No
20.109	Laboratory Fundamentals in Biological Engineering	Belcher, Koehler, Fraenkel, Bagnall, Bhargava, Clarke, Lyell, McClain	2 8 5	U	L1	T Th 11:00 AM - 12:00 PM	16-220		No
					B1	T Th 1:00 PM - 5:00 PM	56-322		
					B2	W F 1:00 PM - 5:00 PM	56-322		
20.129J, 6.129J (M)	Biological Circuit Engineering Laboratory	Niles, Weiss	2 8 2	U	L1	M W 12:00 PM - 1:00 PM	68-121		No
					B1	M W 1:00 PM - 5:00 PM	68-077		
20.200	Biological Engineering Seminar	Engelward, Bevin P.	1 0 2	G	L1	F 12:00 PM - 1:00 PM	32-155		No
20.201	Fundamentals of Drug Development	Dedon, Sasisekharan	4 0 8	G	L1	M W 1:30 PM - 3:00 PM	56-614		No
					R1	F 1:30 PM - 2:30 PM	56-614		
20.203J, 9.123J (M)	Neurotechnology in Action	Jasanoff, Boyden, Jonas	3 6 3	G	L1	T Th 2:30 PM - 4:00 PM	46-4062		No
20.205J, 9.26J (M)	Principles & Applications of Genetic Engineering for Biotechnology	Zhang	3 0 9	U	L1	F 10:00 AM - 1:00 PM	4-251		No
20.230J, 7.23J (M)	Immunology	Sprangr, Birnbaum	5 0 7	U	L1	M W 9:30 AM - 11:00 AM	56-154	Meets With: 7.63	Yes
					R1	W 12:00 PM - 1:00 PM	66-168	Meets With: 7.63	
					R2	W 7:00 PM - 8:00 PM	66-168	Meets With: 7.63	
20.309J (M) , 2.673J	Instrumentation and Measurement for Biological Systems	Boyden, Jasanoff, So, Jonas, Sutton, Wasserman	3 6 3	U	L1	T Th 12:00 PM - 1:00 PM	4-237	Meets With: 20.409	No
					L1a	F 12:00 PM - 1:00 PM	4-237	Meets With: 20.409	
					B1	Arr Hrs			
20.310J (M) , 2.797J, 3.053J, 6.024J	Molecular, Cellular, and Tissue Biomechanics	Bathe, Grodzinsky	4 0 8	U	L1	T Th 1:00 PM - 2:30 PM	4-163		Yes
20.315	Physical Biology	Cisse, Ibrahim I.	3 0 9	U	L1	M W 11:00 AM - 12:30 PM	4-257	Meets With: 8.241	Yes
					R1	T 4:00 PM - 5:00 PM	66-160	Meets With: 8.241	
20.330J (M) , 2.793J, 6.023J	Fields, Forces and Flows in Biological Systems	Han, Manalis	4 0 8	U	L1	M W F 11:00 AM - 12:00 PM	4-163		Yes
					R1	T 10:00 AM - 11:00 AM	56-169		
					R2	T 4:00 PM - 5:00 PM	56-180		
					R3	W 12:00 PM - 1:00 PM	26-168		
					R4	Th 12:00 PM - 1:00 PM	66-154		
20.345J (M) , 6.123J	Bioinstrumentation Project Lab	Boyden, Jasanoff, So, Jonas, Sutton, Wasserman	2 7 3	U	L1	T Th F 12:00 PM - 1:00 PM	16-336		No
					B1	Arr Hrs			
20.365	Engineering the Immune System in Cancer and Beyond	Irvine	3 0 9	U	L1	T Th 1:00 PM - 2:30 PM	3-333	Meets With: 20.465	No
20.375	Applied Developmental Biology and Tissue Engineering	Boyer, Griffith	3 0 9	U	L1	M W F 10:00 AM - 11:00 AM	16-220	Meets With: 20.475	No
20.380	Biological Engineering Design	White, Voigt, Bhargava, Clarke	5 0 7	U	L1	T Th 10:00 AM - 12:00 PM	56-614		No
					R1	T Th 9:00 AM - 10:00 AM	56-614		
20.381	Biological Engineering Design II	Jonas, Kulesa, Wasserman	0 12 0	U	T1	Thesis or Unscheduled subject			No
20.390J, 6.802J (M)	Foundations of Computational and Systems Biology	Gifford	3 0 9	U	L1	T Th 1:00 PM - 2:30 PM	32-141	Meets With: 20.490	No
20.409	Biological Engineering II: Instrumentation and Measurement	Boyden, Jasanoff, So, Jonas, Sutton, Wasserman	2 7 3	G	L1	T Th 12:00 PM - 1:00 PM	4-237	Meets With: 20.309	No
					L1a	F 12:00 PM - 1:00 PM	4-237	Meets With: 20.309	
					B1	Arr Hrs			
20.415	Physical Biology	Cisse	3 0 9	G	L1	M W 11:00 AM - 12:30 PM	4-257	Meets With: 8.241	Yes
					R1	T 4:00 PM - 5:00 PM	66-160	Meets With: 8.241	
20.440	Analysis of Biological Networks	Bryson, Blainey, White	6 0 9	G	L1	M W 2:00 PM - 3:30 PM	16-220		No
					L1a	F 2:00 PM - 3:00 PM	16-220		
20.465	Engineering the Immune System in Cancer and Beyond	Irvine	3 0 9	G	L1	T Th 1:00 PM - 2:30 PM	3-333	Meets With: 20.365	No
20.475	Applied Developmental Biology and Tissue Engineering	Boyer, Griffith	3 0 9	G	L1	M W F 10:00 AM - 11:00 AM	16-220	Meets With: 20.375	No
20.486J (M) , 7.549J, 15.137J, HST.916J	Case Studies and Strategies in Drug Discovery and Development	Wood, Alexander	2 0 4	G	L1	M 4:00 PM - 6:00 PM	56-614		No
20.490	Foundations of Computational and Systems Biology	Gifford	3 0 9	G	L1	T Th 1:00 PM - 2:30 PM	32-141	Meets With: 6.802	No
20.586J, 7.546J (M), 15.480J	Science and Business of Biotechnology	Lo, Lodish	3 0 6	G	L1	T 4:00 PM - 7:00 PM	E62-276		No
20.630J, 7.63J (M)	Immunology	Sprangr, Birnbaum	5 0 7	G	L1	M W 9:30 AM - 11:00 AM	56-154	Meets With: 7.23	No
					R1	W 12:00 PM - 1:00 PM	66-168	Meets With: 7.23	
					R2	W 7:00 PM - 8:00 PM	66-168	Meets With: 7.23	
20.5952	BE Thursday Seminar Series	Staff	1 0 0	G	L1	Th 4:00 PM - 6:00 PM	32-141		No