

Biological Engineering Department
Fall 2021 Subject Schedule

Subject	Title	Master Dept	Units	Level	Section	Instructor	Schedule	Classroom	Notes
20.001	Introduction to Professional Success & Leadership in BE		1 0 2	U	L1	Griffith	W 9:00 AM - 10:00 AM	3-270	
20.005	Ethics for Engineers		2 0 7	U	L1	Lauffenburger	M 3:00 PM - 5:00 PM	66-144	Meets With: 6.9041,10.01
20.005			2 0 7	U	L2		T 3:00 PM - 5:00 PM	66-144	Meets With: 6.9041,10.01
20.005			2 0 7	U	L3		W 3:00 PM - 5:00 PM	66-144	Meets With: 6.9041,10.01
20.005			2 0 7	U	L5		W 7:00 PM - 9:00 PM	66-144	Meets With: 6.9041,10.01
20.051	Introduction to NEET: Living Machines		6 0 6	U	L1	Alm, Griffith, Salek	W 4:00 PM - 5:00 PM	4-149	
20.054	NEET - Living Machines Research Immersion		6 0 6	U	L1	Alm, Griffith, Salek	TBD		
20.101	Metakaryotic Biology and Epidemiology		2 0 4	U	L1	Thilly	F 3:00 PM - 5:00 PM	16-220	
20.102	Metakaryotic Stem Cells in Carcinogenesis: Origins and Cures		3 0 9	U	L1	Thilly	T Th 1:00 PM - 2:30 PM	16-220	Meets With: 20.215
20.109	Laboratory Fundamentals in Biological Engineering		2 8 5	U	L1	Niles, Engelward, Lyell, McClain, Meyer, Clarke, Bhargava	T Th 11:00 AM - 12:00 PM	16-220	
20.109			2 8 5	U	B1		T Th 1:00 PM - 5:00 PM	56-322	
20.109			2 8 5	U	B2		W F 1:00 PM - 5:00 PM	56-322	
20.110J	Thermodynamics of Biomolecular Systems		5 0 7	U	L1	Birbaum, Voigt	M W F 10:00 AM - 11:00 AM	3-270	
20.110J			5 0 7	U	R1		M W 2:00 PM - 3:00 PM	5-217	Meets With: 2.772
20.110J			5 0 7	U	R2		T Th 10:00 AM - 11:00 AM	66-160	
20.110J			5 0 7	U	R3		T Th 11:00 AM - 12:00 PM	66-160	
20.110J			5 0 7	U	R4		T Th 1:00 PM - 2:00 PM	56-180	
20.110J			5 0 7	U	R5		T Th 4:00 PM - 5:00 PM	26-168	
20.200	Biological Engineering BATS Seminar		1 0 2	G	L1	Engelward	F 12:00 PM - 1:00 PM	32-155	
20.201	Fundamentals of Drug Development		4 0 8	G	L1	Dedon, Sasisekharan	M W 1:30 PM - 3:00 PM	56-614	
20.201			4 0 8	G	R1		F 1:30 PM - 2:30 PM	56-614	
20.215	Macroepidemiology, Population Genetics, & Stem Cell Biology		3 0 15	G	L1	Thilly	T Th 1:00 PM - 2:30 PM	16-220	Meets With: 20.102
20.305J	Principles of Synthetic Biology		3 0 9	U	L1	Weiss, Arkin	T Th 2:00 PM - 3:30 PM	9-151	Meets With: 20.405
20.309J	Instrumentation and Measurement for Biological Systems		3 6 3	U	L1	Blainey, Manalis, Wasserman, Jonas	T Th 12:00 PM - 1:00 PM	56-614	Meets With: 20.409
20.309J			3 6 3	U	R1		F 12:00 PM - 1:00 PM	56-614	Meets With: 20.409
20.320	Analysis of Biomolecular and Cellular Systems		4 0 8	U	L1	Wittrup, White	T Th 9:30 AM - 11:00 AM	32-141	
20.320			4 0 8	U	R1		M 3:00 PM - 4:00 PM	56-114	
20.320			4 0 8	U	R2		F 10:00 AM - 11:00 AM	4-153	
20.334	Biological Systems Modeling (Half Term)		1 0 5	U	L1	Han	F 2:00 PM - 3:00 PM	66-156	First Half of Term
20.352	Principles of Neuroengineering		3 0 9	U	L1	Boyden	T Th 10:30 AM - 12:00 PM	46-5165	Meets With: 20.452
20.363J	Biomaterials Science and Engineering		3 0 9	U	L1	Irvine, Ribbeck	M W 11:00 AM - 12:30 PM	56-614	Meets With: 20.463
20.380	Biological Engineering Design		5 0 7	U	L1	Collins, Koehler, Clarke, Buck	T Th 9:00 AM - 12:00 PM	56-614	
20.405J	Principles of Synthetic Biology		3 0 9	G	L1	Weiss, Arkin	T Th 2:00 PM - 3:30 PM	9-151	Meets With: 20.305
20.409J	Biological Engineering II: Instrumentation and Measurement		2 7 3	G	L1	Blainey, Manalis, Wasserman, Jonas	T Th 12:00 PM - 1:00 PM	56-614	Meets With: 20.309
20.409J			2 7 3	G	R1		F 12:00 PM - 1:00 PM	56-614	Meets With: 20.309
20.420J	Principles of Molecular Bioengineering		3 0 9	G	L1	Fraenkel, Jasanoff	T Th 9:30 AM - 11:00 AM	16-220	
20.430J	Fields, Forces, and Flows in Biological Systems		3 0 9	G	L1	Bathe, Bryson, Hansen	M W 1:00 PM - 2:30 PM	4-231	Meets With: 2.795/6.561/10.539
20.452J	Principles of Neuroengineering	MAS.881J	3 0 9	G	L1	Boyden	T Th 10:30 AM - 12:00 PM	46-5165	Meets With: 20.352
20.454J	Revolutionary Ventures: How to Invent/Deploy Transformative Technology	MAS.883J	2 0 7	G	L1	Boyden	Th 2:00 PM - 4:00 PM	E14-633	
20.463J	Biomaterials Science and Engineering		3 0 9	G	L1	Irvine, Ribbeck	M W 11:00 AM - 12:30 PM	56-614	Meets With: 20.363
20.507J	Biological Chemistry I	5.07J	5 0 7	U	L1	B, Pentelute, X, Wang	M W F 9:00 AM - 10:00 AM	4-237	
20.561	Eukaryotic Cell Biology: Principles and Practice	7.61J	4 0 8	G	L1	Krieger, Yaffe	M W 1:00 PM - 3:00 PM	E25-117	Meets With: 7.61
20.930	Research Experience in Biopharma		2 10 0	G	L1	Keating, Clarke	TBD	?	Meets With: 7.930
20.s901	Special Subject in BE:		0 0 0	U	L1	Lyell	M 3:00 PM - 4:00 PM	56-614	
20.S952	Special Subject in BE: BE Thurs Seminars		0 0 0	G	L1	Staff	Th 4:00 PM - 6:00 PM	32-141	
20.950	Research Problems in Biological Engineering		0 0 0	G	T1		Thesis or Unscheduled subject		
20.951	Thesis Proposal		0 24 0	G	T1		Thesis or Unscheduled subject		
20.960	Teaching Experience in Biological Engineering		0 0 0	G	T1		Thesis or Unscheduled subject		
20.THG	Graduate Thesis		0 0 0	G	T1		Thesis or Unscheduled subject		
20.THU	Undergraduate BE Thesis		0 0 0	U	T1		Thesis or Unscheduled subject		