

Biological Engineering Department
Fall 2020 Subject Schedule

Subject	Title	Master Dept	Units	Level	Section	Instructor	Schedule	Notes
20.001	Introduction to Professional Success & Leadership in BE		1 0 2	U	L1	Griffith	W 9:00 AM - 10:00 AM	
20.005	Ethics for Engineers		2 0 7	U	L1	Staff	M 3:00 PM - 5:00 PM	Meets With: 6.9041,10.01
20.005			2 0 7	U	L2		T 3:00 PM - 5:00 PM	Meets With: 6.9041,10.01
20.005			2 0 7	U	L3		W 3:00 PM - 5:00 PM	Meets With: 6.9041,10.01
20.005			2 0 7	U	L5		W 7:00 PM - 9:00 PM	Meets With: 6.9041,10.01
20.052	NEET Junior Seminar: Living Machines		6 0 6	U	L1	Alm, Griffith, Salek, Kassis	TBD	
20.053	NEET Senior Seminar: Living Machines		6 0 6	U	L1	Alm, Griffith, Salek, Kassis	TBD	
20.101	Metakaryotic Biology and Epidemiology		2 0 4	U	L1	Thilly	F 3:00 PM - 5:00 PM	
20.102	Metakaryotic Stem Cells in Carcinogenesis: Origins and Cures		3 0 9	U	L1	Thilly	T Th 1:00 PM - 2:30 PM	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	
20.109			2 8 5	U	B1		T Th 1:00 PM - 5:00 PM	
20.109			2 8 5	U	B2		W F 1:00 PM - 5:00 PM	
20.110J	Thermodynamics of Biomolecular Systems		5 0 7	U	L1	Birbaum, Voigt	M W F 10:00 AM - 11:00 AM	
20.110J			5 0 7	U	R1		M W 2:00 PM - 3:00 PM	
20.110J			5 0 7	U	R2		T Th 10:00 AM - 11:00 AM	
20.110J			5 0 7	U	R3		T Th 11:00 AM - 12:00 PM	
20.110J			5 0 7	U	R4		T Th 1:00 PM - 2:00 PM	
20.110J			5 0 7	U	R5		T Th 4:00 PM - 5:00 PM	
20.200	Biological Engineering BATS Seminar		1 0 2	G	L1	Engelward	F 12:00 PM - 1:00 PM	
20.201	Fundamentals of Drug Development		4 0 8	G	L1	Dedon, Sasisekharan	M W 1:30 PM - 3:00 PM	
20.201			4 0 8	G	R1		F 1:30 PM - 2:30 PM	
20.215	Macroepidemiology, Population Genetics, & Stem Cell Biology		3 0 15	G	L1	Thilly	T Th 1:00 PM - 2:30 PM	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	Meets With: 20.405
20.309J	Instrumentation and Measurement for Biological Systems		3 6 3	U	L1	Blainey, Manalis, Wasserman, Sutton, Jonas	T Th 12:00 PM - 1:00 PM	Meets With: 20.409
20.309J			3 6 3	U	R1		F 12:00 PM - 1:00 PM	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	
20.320			4 0 8	U	R1		M 3:00 PM - 4:00 PM	
20.320			4 0 8	U	R2		F 10:00 AM - 11:00 AM	
20.334	Biological Systems Modeling (Half Term)		1 0 5	U	L1	Han	F 2:00 PM - 3:00 PM	First Half of Term
20.352	Principles of Neuroengineering		3 0 9	U	L1	Boyden	T Th 10:30 AM - 12:00 PM	Meets With: MAS.881
20.363J	Biomaterials Science and Engineering		3 0 9	U	L1	Irvine, Ribbeck	M W 11:00 AM - 12:30 PM	Meets With: 20.463
20.370J	Cellular Neurophysiology and Computing	6.021J	5 2 5	U	L1	Heldt	M W 11:00 AM - 12:30 PM	Meets With: 6.521
20.380	Biological Engineering Design		5 0 7	U	L1	Collins, Koehler, Clarke, Bhargava	T Th 10:00 AM - 12:00 PM	
20.380			5 0 7	U	R1		T Th 9:00 AM - 10:00 AM	
20.405J	Principles of Synthetic Biology		3 0 9	G	L1	Weiss, Arkin	T Th 2:00 PM - 3:30 PM	Meets With: 20.305
20.409J	Biological Engineering II: Instrumentation and Measurement		2 7 3	G	L1	Blainey, Manalis, Wasserman, Sutton, Jonas	T Th 12:00 PM - 1:00 PM	Meets With: 20.309
20.409J			2 7 3	G	R1		F 12:00 PM - 1:00 PM	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	
20.430J	Fields, Forces, and Flows in Biological Systems		3 0 9	G	L1	Bathe, Bryson	M W 1:00 PM - 2:30 PM	
20.452J	Principles of Neuroengineering	MAS.881J	3 0 9	G	L1	Boyden	T Th 10:30 AM - 12:00 PM	Meets With: 20.352
20.454J	Revolutionary Ventures: How to Invent/Deploy Transformative Technologies	MAS.883J	2 0 7	G	L1	Boyden	Th 2:00 PM - 4:00 PM	
20.463J	Biomaterials Science and Engineering		3 0 9	G	L1	Irvine, Ribbeck	M W 11:00 AM - 12:30 PM	Meets With: 20.363
20.470J	Cellular Neurophysiology and Computing	6.521J	5 2 5	G	L1	Heldt	M W 11:00 AM - 12:30 PM	Meets With: 6.021
20.507J	Biological Chemistry I	5.07J	5 0 7	U	L1	B. Pentelute, X. Wang	T Th 9:00 AM - 10:30 AM	
20.950	Research Problems in Biological Engineering		0 0 0	G	T1		Thesis or Unscheduled subject	
20.951	Thesis Proposal		0 2 4	G	T1		Thesis or Unscheduled subject	
20.960	Teaching Experience in Biological Engineering		0 0 0	G	T1		Thesis or Unscheduled subject	
20.S952	Special Subject in Biological Engineering		0 0 0	G	L1		Th 4:00 PM - 6:00 PM	
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	