

# UNIT 1

## Systems Overview: Human Structure and Function

**2021 LIVE Draft** based on 2020 V  
3b LIVE VERSION from 5-5-20  
(this was not used in 2020  
because we later switched to  
hybrid for 2020)



# 2021

January							February							March							April						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
					1	2		1	2	3	4	5	6		1	2	3	4	5	6					1	2	3
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28							28	29	30	31				25	26	27	28	29	30	
31																											

### Faculty Deadlines:

- All LPs and exam questions are due by June 25, 2021
- All materials (PPTs, lab manuals etc.) are due by July 16, 2021

May							June							July							August						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1		1	2	3	4	5			1	2	3				1	2	3	4	5	6	7
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31	29	30	31				
30	31																										

Orientation August 2 to 6, 2021

Unit 1: August 9 to  
October 1, 2021

September							October							November							December						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	
							31																				

Unit 5 (MS2) runs August 9  
through November 5

Unit 2 runs October 4  
through December 17

Unit 6 begins November 8  
& runs over the winter break













Rosh Hashana Sept. 7 and 8, 2021

Yom Kippur Sept. 16

Sukkot Sept. 27

# UNIT 1

## Systems Overview: Human Structure and Function

	Lecture – Lecture Hall 2		Patient Presentation - Lecture Hall 2
	PBL – 6 <sup>th</sup> floor carrels & 8 <sup>th</sup> floor HSEB		Gross Anatomy Lab – GA Lab
	CS Small Group – 6 <sup>th</sup> floor carrels & 8 <sup>th</sup> floor HSEB		Histology Lab – 6 <sup>th</sup> floor carrels
	CS Lab – 6 <sup>th</sup> floor carrels		Asynchronous activity
	Rotating Radiology Exhibit (RRE) – 6 <sup>th</sup> floor carrels		Summative Assessment
	POPS – 6 <sup>th</sup> floor carrels		Class Information & Discussion - Lecture Hall 2

NEW SESSIONS – numbered 200 onward.

Used up to and including: **243** (inclusive). 244 up are available for any new sessions to be numbered.

Version updates:

Xxxxx

Xxxxx

Xxxxx

		Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II
2021		Monday August 9		Tuesday August 10		Wednesday August 11		Thursday August 12		Friday August 13	
8:00	8:00 a.m.										
8:30	8:30 a.m.										
9:00	9:00 a.m.	001 Unit 1 Overview Quinn & Fox				111 Autonomic Nervous System Michelson		031 Ms. Alvarez	PSDLT Half II	114 General Discussion; Orientation to POPS; Bianchi, <i>et al.</i>	
9:30	9:30 a.m.										
10:00	10:00 a.m.	002 Ms. Alvarez	PSDLT Half II	119 Vitals are Vital Quinn		008 Regulation of the Cardiovascular System Michelson		PBL Session 2		016 Acute Regulation of Cardiovascular Function POPS	
10:30	10:30 a.m.										
11:00	11:00 a.m.	PBL Session 1		005 Principles of Circulation Wong		E00 pt 1 ExamSoft practice					
11:30	11:30 a.m.										
12:00	12:00 p.m.										
12:30	12:30 p.m.										
13:00	1:00 p.m.	003 Introduction to the Medical Encounter Ovitsh		007 Cardiac Function Michelson		104 Autonomic signaling Michelson		221 Circulation in Specific Organs Perkins	PSDLT Half I	PSDLT	
13:30	1:30 p.m.										
14:00	2:00 p.m.	PSDLT Half I	002 Ms. Alvarez	006 Vital Signs HALF I		009 The Cardiac Exam HALF I		031 Ms. Alvarez	PBL Session 2		
14:30	2:30 p.m.										
15:00	3:00 p.m.		PBL Session 1								
15:30	3:30 p.m.										
16:00	4:00 p.m.			006 Vital Signs HALF II		009 The Cardiac Exam HALF II					
16:30	4:30 p.m.										
17:00	5:00 p.m.										
		Hour count (inc. asynchs @ ½ hr) Half I = 23 Half II = 23									
Independent Learning				077 Money Matters 1				222 Signal Transduction		236 Biostats 1	

		Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II			
2021		Monday August 16		Tuesday August 17		Wednesday August 18		Thursday August 19		Friday August 20				
8:00	8:00 a.m.													
8:30	8:30 a.m.													
9:00	9:00 a.m.	018 Principles of Respiration – Breathing & Ventilation Bianchi		025 Principles of Resp. Gas Exchange, Transport and Regulation Bianchi		PSDLT		032 Ms. Alvarez PBL Session 3	028 Respiration POPS	013 Principles of Fluid Balance Perkins				
9:30	9:30 a.m.													
10:00	10:00 a.m.	019 The Patient-Centered Medical Interview CS SG	PSDLT Half II	021 Thorax GA	010 Echo					015 Overview of the Kidneys Perkins				
10:30	10:30 a.m.													
11:00	11:00 a.m.			021 Thorax GA					64 Synaptic Transmission Wong			011 Patient Presentation Page		
11:30	11:30 a.m.													
12:00	12:00 p.m.					062 Resting Potential & Action Potential, Part 1 Wong				PSDLT				
12:30	12:30 p.m.													
13:00	1:00 p.m.	020 Principles of Respiration – Pulmonary Dynamics Bianchi		80 Smooth Muscle Wagner		063 Resting Potential & Action Potential, Part 2 Grant asynch		028 Respiration POPS	032 Ms. Alvarez PBL Session 3					
13:30	1:30 p.m.													
14:00	2:00 p.m.	010 Echo	019 The Patient-Centered Medical Interview CS SG	023 The Respiratory Exam	021 Thorax GA	PSDLT Half I	023 The Respiratory Exam							
14:30	2:30 p.m.													
15:00	3:00 p.m.													
15:30	3:30 p.m.													
16:00	4:00 p.m.			023 The Respiratory Exam	021 Thorax GA		023 The Respiratory Exam							
16:30	4:30 p.m.													
17:00	5:00 p.m.													
		Hour count (inc. asynchs @ ½ hr) Half I = 20.25 Half II = 20.25												
Independent Learning				121 Physiological Properties of Cells				237 Biostats 2						

		Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II
2021		Monday August 23		Tuesday August 24		Wednesday August 25		Thursday August 26		Friday August 27	
8:00	8:00 a.m.										
8:30	8:30 a.m.										
9:00	9:00 a.m.	223 Pharmacology and Therapeutics Quinn async		225 Pharmacokinetics & Drug Metabolism 1 Wiener				130 Professionalism Grant		076 How to Learn GA... Eisner	
9:30	9:30 a.m.										
10:00	10:00 a.m.	060 Profession- alism  CS SG	026 Homeo- stasis: POPS	226 Pharmacokinetics & Drug Metabolism 2 Wiener		112 Capillaries, Lymph and Edema Perkins		125 Introduction to Musculoskeletal & PNS Quinn async		234 Anatomy Intro	231 Histology Intro
10:30	10:30 a.m.										
11:00	11:00 a.m.										
11:30	11:30 a.m.									231 Histology Intro	234 Anatomy Intro
12:00	12:00 p.m.	224 Drug-Receptor Interactions Penington		128 Assessments Williams et al.		227 Pharmacology and Therapeutics		228 Pharmacokinetics			
12:30	12:30 p.m.										
13:00	1:00 p.m.									PSDLT	
13:30	1:30 p.m.										
14:00	2:00 p.m.			027 The Abdo minal Exam	PSDLT	PSDLT	027 The Abdo minal Exam	PSDLT		PSDLT	
14:30	2:30 p.m.	026 Homeo- stasis: POPS	060 Profession- alism								
15:00	3:00 p.m.	026 Homeo- stasis: POPS	060 Profession- alism  CS SG								
15:30	3:30 p.m.										
16:00	4:00 p.m.										
16:30	4:30 p.m.										
17:00	5:00 p.m.										

Hour count (inc. asynchs @ ½ hr) Half I = 21.5 Half II = 21.5

Independent Learning	222 Signal Transduction	242 Biosynthesis of acetylcholine and catecholamines	235 Receptors Revisited		
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Weekly Formative Assessments

	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	
2021	Monday August 30		Tuesday August 31		Wednesday September 1		Thursday September 2		Friday September 3		
8:00 8:00 a.m.											
8:30 8:30 a.m.											
9:00 9:00 a.m.	034 Bones & Joints Márquez		PSDLT		040 Principles of Diagnostic Imaging 2 Ostrow		048 Mr. Johnson		232 Smooth muscle & blood vessels		
9:30 9:30 a.m.					PBL Session 2		081 Excitation– Contraction Coupling In Skeletal Muscle Fox				
10:00 10:00 a.m.	038 Mr. Johnson  PBL Session 1	201 GA Lab UL 1			041 Vertebral Column, Spinal Cord and PNS Marquez				D04 Half I → Half II		
10:30 10:30 a.m.											
11:00 11:00 a.m.											
11:30 11:30 a.m.											
12:00 12:00 p.m.					050 Shoulder Márquez						
12:30 12:30 p.m.							D03 Half II → Half I				
13:00 1:00 p.m.			037 Principles of Diagnostic Imaging 1 Ostrow				204 GA Lab UL 4		048 Mr. Johnson		
13:30 1:30 p.m.	D01 Half II → Half I				D02 Half I → Half II				PSDLT		
14:00 2:00 p.m.	202 GA Lab UL 2	038 Mr. Johnson  PBL Session 1	232 Smooth muscle & blood vessels		217 Upper Limb		203 GA Lab UL 3				
14:30 2:30 p.m.											
15:00 3:00 p.m.											
15:30 3:30 p.m.											
16:00 4:00 p.m.											
16:30 4:30 p.m.											
17:00 5:00 p.m.											
Hour count (inc. asynchs @ ½ hr) Half I = 23.5 Half II = 23.5											
Independent Learning	243 Scientific Method						241 Neuromuscular Junction				

		Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II
2021		Monday September 6		Tuesday September 7		Wednesday September 8		Thursday September 9		Friday September 10	
8:00	8:00 a.m.										
8:30	8:30 a.m.										
9:00	9:00 a.m.	Labor Day		044 Back & Spine Quinn		079 Neural control of movement Fox		069 Mr. Johnson		075 Upper Limb	
9:30	9:30 a.m.									075 Upper Limb	
10:00	10:00 a.m.			085 Physiological Properties of Skeletal Muscle Fox		131 Nerve and Muscle  POPS		PBL Session 3		RRE	
10:30	10:30 a.m.									RRE	
11:00	11:00 a.m.			120 Sensory Afferents & Spinal Cord Processing Kubie							
11:30	11:30 a.m.							115 Assessment Week - Discussion, Q & A Quinn and Fox et al.		055 Elbow and Hand Márquez & Gordon	
12:00	12:00 p.m.										
12:30	12:30 p.m.										
13:00	1:00 p.m.			D05 Half II → Half I		D06 Half I → Half II		D07 Half II → Half I		PSDLT	
13:30	1:30 p.m.			206 GA Lab UL 6 & Back/spine				207 GA Lab UL 7			
14:00	2:00 p.m.			240 Intro EBM		240 Intro EBM		208 GA Lab UL 8			
14:30	2:30 p.m.							069 Mr. Johnson			
15:00	3:00 p.m.							PBL Session 3			
15:30	3:30 p.m.			240 Intro EBM		240 Intro EBM					
16:00	4:00 p.m.							D08 Half I → Half II			
16:30	4:30 p.m.										
17:00	5:00 p.m.										
		Hour count (inc. asynchs @ ½ hr) Half I = 21.5 Half II = 21.5									
Independent Learning											

CHECK IF MORE FACULTY AVAILABLE FOR BACK AND SPINE VS EBM AND SWAP WEEKS 4 and 5

Weekly Formative Assessments

		Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II
2021		Monday September 13		Tuesday September 14		Thursday September 16		Friday September 17	
8:00	8:00 a.m.					Yom Kippur			
8:30	8:30 a.m.								
9:00	9:00 a.m.	071 Hip & Thigh Eisner & Maheshwari		122 Neuromuscular Disease 1 Perk		108 Bone Structure and Function Chirico		110 Bone VM Lab	
9:30	9:30 a.m.					086 Mr. Carter PBL Session 2		213 GA Lab LL 5	
10:00	10:00 a.m.	074 Mr. Carter PBL Session 1		123 Neuromuscular Disease 2 Perk		109 Bone Development & Homeostasis Chirico			
10:30	10:30 a.m.	209 GA Lab LL 1							
11:00	11:00 a.m.			132 Patient Presentation Page					
11:30	11:30 a.m.					D11 Half II → Half I			
12:00	12:00 p.m.					212 GA Lab LL 4		PSDLT	
12:30	12:30 p.m.	107 Connective tissue & secretory processes Chirico				218 Back, spine & Hip		PSDLT	
13:00	1:00 p.m.							086 Mr. Carter PBL Session 2	
13:30	1:30 p.m.			D10 Half I → Half II		218 Back, spine & Hip			
14:00	2:00 p.m.	D09 Half II → Half I		218 Back, spine & Hip					
14:30	2:30 p.m.	210 GA Lab LL 2		211 GA Lab LL 3					
15:00	3:00 p.m.	074 Mr. Carter PBL Session 1							
15:30	3:30 p.m.			218 Back, spine & Hip					
16:00	4:00 p.m.								
16:30	4:30 p.m.								
17:00	5:00 p.m.								
		Hour count (inc. asynchs @ ½ hr) Half I = 23.5 Half II = 23.5							
Independent Learning						238 Biostats 3		D12 Half I → Half II	
								D13 Half II → Half I	

CHECK IF GA AND ORTHO CAN DO MORNING AND SWAP AM/PM



		Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II
2021		Monday September 20		Tuesday September 21		Wednesday September 22		Thursday September 23		Friday September 24	
8:00	8:00 a.m.										
8:30	8:30 a.m.										
9:00	9:00 a.m.	094 Knee and Ankle... Eisner & Quinn				092 Lower Limb	124 Neuromuscular Disease	099 Mr. Carter PBL	092 Lower Limb	MS3 & MS4 Mega Shelf Exam	
9:30	9:30 a.m.					RRE	POPS	Session 3 & Unit Survey	RRE		
10:00	10:00 a.m.	126 Simulated Patient Interview CS SG	110 Bone VM Lab	D14 Half I → Half II							
10:30	10:30 a.m.			124 Neuromuscular Disease	215 GA Lab LL 7						
11:00	11:00 a.m.			POPS							
11:30	11:30 a.m.					PSDLT				PSDLT / Study day	
12:00	12:00 p.m.	SP1									
12:30	12:30 p.m.	1-on-1 Standardized Patient exercise. Selected students (TBD), 15 min each									
13:00	1:00 p.m.							216 GA Lab LL 8	099 Mr. Carter PBL		
13:30	1:30 p.m.								Session 3 & Unit Survey		
14:00	2:00 p.m.			220 HDPE	219 Lower Limb	219 Lower Limb	220 HDPE				
14:30	2:30 p.m.	214 GA Lab LL 6	126 Simulated Patient Interview CS SG								
15:00	3:00 p.m.										
15:30	3:30 p.m.			220 HDPE	219 Lower Limb	219 Lower Limb	220 HDPE				
16:00	4:00 p.m.										
16:30	4:30 p.m.										
17:00	5:00 p.m.										

Hour count (inc. asynchs @ ½ hr) Half I = 18.5 Half II = 18.5 + SP for some

Independent Learning					
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		Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II		
2021		Monday September 27		Tuesday September 28		Wednesday September 29		Thursday September 30		Friday October 1			
8:00	8:00 a.m.			Sukkot		Sukkot		Unit 5 Histo Lab Thursday pm could interfere with practical exam makeu					
8:30	8:30 a.m.					Study Day							
9:00	9:00 a.m.												
9:30	9:30 a.m.												
10:00	10:00 a.m.	PC OSCE		Practical Exams				MK Essay Exam		NBME & PC MCQ Exams			
10:30	10:30 a.m.												
11:00	11:00 a.m.												
11:30	11:30 a.m.												
12:00	12:00 p.m.							PC Essay Exam					
12:30	12:30 p.m.												
13:00	1:00 p.m.												
13:30	1:30 p.m.												
14:00	2:00 p.m.												
14:30	2:30 p.m.												
15:00	3:00 p.m.												
15:30	3:30 p.m.												
16:00	4:00 p.m.												
16:30	4:30 p.m.												
17:00	5:00 p.m.												
Independent Learning													

### Constraints:

- PBL is Monday 10:00 and 2:30, and Thursday 9:00 and 1:00
- CS lab is Tuesday and Wednesday p.m., START at 2:00 p.m. Half I / Half II sequence for MSkel labs should be the same each week whenever possible.
- GA Lab is sequential – Half I, Half II, Half I, Half II...
- GA Lab is in p.m. whenever possible.
- GA Labs are NOT scheduled against Thursday a.m. PBL (need Márquez and Scalia for Thurs. a.m. PBL)
  
- RREs – not more than 1 RRE (2 sessions) per week and not in same week as Unit 5 RRE.
- New constraint for RREs (per S. Ostrow, e-mail 11/6/14)... “the portion of the RRE sessions taught by the radiology residents (the final 1.5 hours) not occur between 12 - 1 pm or 4 - 5 pm so as not to conflict with their daily conferences and lectures. The only exception to this will be on Fridays 4- 5 pm when there is no conference (and so RRE sessions can run that late on Fridays if necessary).”
- New constraint (S. Ostrow, 3-24-17) – “since last fall my department has changes the time of our daily resident conferences to 12 - 2 pm. Thus our residents will not be available as RRE preceptors until 2:15, and so afternoon RREs cannot begin until 1:00 pm.”