

SUNY Downstate College of Medicine
Integrated Pathways Curriculum, Class of 2020

Unit 1: Human Structure and Function

August 8 – September 30, 2016

Calendar

UNIT 1
Human Structure and Function
Calendar for 2016

We are pleased to offer a preview of the Unit 1 calendar for the Integrated Pathways Curriculum at the SUNY Downstate College of Medicine.

- **This version of the calendar is current as of May 4, 2016**, but there may be changes to the calendar — including the dates and times of activities or assessments — before or after implementation of the Unit.
- Any future changes to the calendar are likely to be minor, and the dates and times for most activities will not change.
- The calendar will be posted and available online via the Prime/ilios system in early August. Any changes or updates will be included in that online version. An introduction to the online calendar will be given during Orientation Week.
- We hope that this preview is helpful, and we look forward to meeting the incoming Class of 2020 at Orientation on Monday August 1st. We are pleased and privileged to be working with you in Unit 1.
- Please feel free to contact me with any questions or concerns (keith.williams@downstate.edu)

Keith Williams
Distinguished Teaching Professor
May, 2016

UNIT 1

Calendar Overview

2016

January

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

February

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

March

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

April

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

May

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

June

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

July

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

August

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

September

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

Orientation:
August 1 to August 5

Unit 1:
August 8 to
September 30

October

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

November

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













December

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

Unit 2:
October 3 to
December 16

UNIT 1

Systems Overview: Human Structure and Function

 Informational sessions	 Patient Presentation
 Interactive Lecture (IL)	 Gross Anatomy Lab
 Problem-Based Learning (PBL)	 Histology/Histopathology Lab
 Clinical Skills (CS) Small Group	 Independent Learning activity
 Clinical Skills (CS) Lab	 Formative Assessment
 Rotating Radiology Exhibit (RRE)	 Summative Assessment
 Patient-Oriented Problem Solving (POPS)	

Please note that some activities (e.g., Interactive Lectures) include the entire class in each session. Other activities (e.g., PBL, CS Lab, RRE, POPS, Gross Anatomy Lab) typically include half the class or some other division, e.g., one quarter of the class, in any given session. Those sessions are repeated, either on the same day or on different days, so as to eventually encompass the entire class. For example, Ms. Alvarez Session 1 (PBL, # 2) is taken by Half I of the class on the morning of August 8th and by Half II of the class on the afternoon of the same day; the Thorax anatomy lab (# 21) is taken by half of Half I (a quarter of the class) at 2:30 p.m. on August 15th, by the other half of Half I at 3:30 p.m. that day, and by Half II the following morning. A particular student will only be in Half I or Half II, and we'll let you know your final assignments during Orientation Week.

All sessions have a Unique ID number shown in blue (1, 2, 3, 119, 5, 7, etc.). The numbers are not necessarily in sequence — they are for reference and are key for calendaring and administrative support.

UNIT 1 CALENDAR, 2016

2016		Monday August 8	Tuesday August 9	Wednesday August 10	Thursday August 11	Friday August 12	
9:00	9:00 a.m.	1 Unit 1			31 Ms. Alvarez	114 General Discussion; Orientation to POPS	
9:30	9:30 a.m.						10 Intro to the Echo-cardiogram
10:00	10:00 a.m.	2 Ms. Alvarez PBL session 1 Half I	119 Vitals are Vital	111 Overview of the Nervous System	PBL session 2 Half I	10 Intro to the Echo-cardiogram	
10:30	10:30 a.m.						15 Overview of the Kidneys
11:00	11:00 a.m.			5 Principles of Circulation	8 Regulation of the Cardiovascular System		
11:30	11:30 a.m.					13 Principles of Fluid Balance	
12:00	12:00 p.m.					16 Acute regulation of Cardiovascular Function	
12:30	12:30 p.m.						
13:00	1:00 p.m.		7 Cardiac Function	104 ANS signaling	10 Intro to the Echo-cardiogram	31 Ms. Alvarez PBL session 2 Half II	
13:30	1:30 p.m.	3 Introduction to the Medical Encounter					
14:00	2:00 p.m.		6 Vital Signs Half I	9 The Cardiac Exam Half I	10 Intro to the Echo-cardiogram		
14:30	2:30 p.m.	2 Ms. Alvarez					
15:00	3:00 p.m.						
15:30	3:30 p.m.						
16:00	4:00 p.m.	PBL session 1 Half II	6 Vital Signs Half II	9 The Cardiac Exam Half II			
16:30	4:30 p.m.						
Independent Learning			77a Money Matters 1				

Weekly Formative Assessments

UNIT 1 CALENDAR, 2016

2016		Monday August 15	Tuesday August 16	Wednesday August 17	Thursday August 18	Friday August 19
9:00	9:00 a.m.	18 Principles of Respiration – Breathing & Ventilation	25 Principles of Resp. Gas Exchange, Transport and Regulation	127 The Profession	32 Ms. Alvarez	76 Intro to dissection
9:30	9:30 a.m.				28 Respiration Half II	
10:00	10:00 a.m.	19 The Patient-Centered Medical Interview Half I	26 Homeostasis Half I	21 Thorax prosec'n Half II	11 Patient Presentation	70 Cells and Tissue 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.			29 Overview Abdomen Half I		
12:30	12:30 p.m.			29 Overview Abdomen Half I		
13:00	1:00 p.m.		26 Homeostasis Half II		28 Respiration Half I	70 Cells and Tissue Half I
13:30	1:30 p.m.	20 Principles of Respiration – Pulmonary Dynamics				
14:00	2:00 p.m.		23 The Respiratory Exam Half I	27 The Abdominal Exam Half I	32 Ms. Alvarez PBL session 3 Half II	
14:30	2:30 p.m.	21 Thorax prosec'n Half I				19 The Patient-Centered Medical Interview Half II
15:00	3:00 p.m.					
15:30	3:30 p.m.	21 Thorax prosec'n Half I	23 The Respiratory Exam Half II			
16:00	4:00 p.m.				27 The Abdominal Exam Half II	
16:30	4:30 p.m.					
Independent Learning		105 Introduction to Evidence-Based Medicine				

Weekly Formative Assessments

UNIT 1 CALENDAR, 2016

2016		Monday August 22	Tuesday August 23	Wednesday August 24	Thursday August 25	Friday August 26				
9:00	9:00 a.m.	37 Principles of diagnostic imaging 1	40 Principles of diagnostic imaging 2	41 Vertebral Column, Spinal Cord and PNS	50 Shoulder	53 Signaling In The Nervous System				
9:30	9:30 a.m.									
10:00	10:00 a.m.	38 Mr. Johnson PBL session 1 Half I	34 Bones, Joints & Muscles	44 Back & Spine	128 Modalities and Assessments	62 The Resting Membrane Potential				
10:30	10:30 a.m.						35A Back & Spine 1 Half II			
11:00	11:00 a.m.									
11:30	11:30 a.m.									
12:00	12:00 p.m.			D02 Half I to Half II (35b)	D03 Half II to Half I (36)	D04 Half I to Half II (46)				
12:30	12:30 p.m.			36 Back & Spine 3 Half II	46 Upper Limb 1 Half I	49 Back and Spine Half II	49 Back and Spine Half I	47 Upper Limb 2 Half II		
13:00	1:00 p.m.									
13:30	1:30 p.m.	D01 Half II to Half I (35a)								
14:00	2:00 p.m.	35B Back & Spine 2 Half I	45 Back and Spine Half II	45 Back and Spine Half I	36 Back & Spine 3 Half II	46 Upper Limb 1 Half I	49 Back and Spine Half II	49 Back and Spine Half I	47 Upper Limb 2 Half II	
14:30	2:30 p.m.									38 Mr. Johnson PBL session 1 Half II
15:00	3:00 p.m.									
15:30	3:30 p.m.									
16:00	4:00 p.m.		45 Back and Spine Half II	45 Back and Spine Half I						
16:30	4:30 p.m.									
Independent Learning			77b Money Matters 2	39 Terry Survives (Biostats)	121 Physiological Properties of Cells					

Weekly Formative Assessments

UNIT 1 CALENDAR, 2016

2016		Monday August 29	Tuesday August 30	Wednesday August 31	Thursday September 1	Friday September 2			
9:00	9:00 a.m.	63 The Action Potential and Clinical Correlates	68 The Neuromuscular Junction	80 Muscle: Smooth, Cardiac, and Skeletal	48 Mr. Johnson PBL session 2 Half I	103 Smooth Muscle and Blood Vessels Half II	85 Physiological Properties of Skeletal Muscle		
9:30	9:30 a.m.								
10:00	10:00 a.m.	60 Professionalism Half I	81 Excitation–Contraction Coupling In Skeletal Muscle	107 Connective tissue & secretory processes	PBL session 2 Half I	103 Smooth Muscle and Blood Vessels Half II	112 Capillaries, Lymph and edema.		
10:30	10:30 a.m.								
11:00	11:00 a.m.								
11:30	11:30 a.m.								
12:00	12:00 p.m.			D06 Half I to Half II (51)		D08 Half I to Half II (57)			
12:30	12:30 p.m.								
13:00	1:00 p.m.	64 Synaptic Transmission			52 Upper Limb 4 Half II	D07 Half II to Half I (52)	103 Smooth Muscle and Blood Vessels Half I	58 Upper Limb 6 Half II	
13:30	1:30 p.m.								
14:00	2:00 p.m.	51 Upper Limb 3 Half I		56 Shoulder, Elbow Half II	56 Shoulder, Elbow Half I	57 Upper Limb 5 Half I	48 Mr. Johnson PBL Half II	D09 Half II to Half I (58)	
14:30	2:30 p.m.								60 Professionalism Half II
15:00	3:00 p.m.								
15:30	3:30 p.m.								
16:00	4:00 p.m.		56 Shoulder, Elbow Half II	56 Shoulder, Elbow Half I					
16:30	4:30 p.m.								
Independent Learning									

Weekly Formative Assessments

2016	Monday September 5	Tuesday September 6	Wednesday September 7	Thursday September 8	Friday September 9				
9:00 9:00 a.m.	Labor Day	97 POPS Nerve and Muscle Function	79 Neural control of movement 1	69 Mr. Johnson PBL session 3 Half I	75 Upper Limb Half II	75 Upper Limb Half I	98 Striated Muscles Half II		
9:30 9:30 a.m.			54 Neural control of movement 2					75 Upper Limb Half I	98 Striated Muscles Half II
10:00 10:00 a.m.			120 Sensory Afferents & Spinal Cord Processing						
10:30 10:30 a.m.									
11:00 11:00 a.m.									
11:30 11:30 a.m.									
12:00 12:00 p.m.				D10 Half I to Half II (65)					
12:30 12:30 p.m.					D11 Half II to Half I (66)	D12 Half I to Half II (72)			
13:00 1:00 p.m.			65 Upper Limb 7 Half I		66 Upper Limb 8 Half II	72 Lower Limb 1 Half I	69 Mr. Johnson PBL session 3 Half II	98 Striated Muscles Half I	73 Lower Limb 2 Half II
13:30 1:30 p.m.									
14:00 2:00 p.m.			67 Wrist, Hand, Hip Half II	67 Wrist, Hand, Hip Half I					
14:30 2:30 p.m.									
15:00 3:00 p.m.									
15:30 3:30 p.m.			67 Wrist, Hand, Hip Half II	67 Wrist, Hand, Hip Half I				D13 Half II to Half I (73)	
16:00 4:00 p.m.									
16:30 4:30 p.m.									
Independent Learning									

Weekly Formative Assessments

UNIT 1 CALENDAR, 2016

2016		Monday September 12	Tuesday September 13	Wednesday September 14	Thursday September 15	Friday September 16	
9:00	9:00 a.m.	55 Elbow and Hand	71 Hip & Thigh	109 Bone Development & Homeostasis	86 Mr. Carter PBL session 2 Half I	110 BONE etc. Half II	
9:30	9:30 a.m.						33 The Neurological Exam
10:00	10:00 a.m.	74 Mr. Carter PBL session 1 Half I	108 Bone Structure and Function	115 Assessment Week - Discussion, Q & A	122 Neuromuscular Disease 1		
10:30	10:30 a.m.						
11:00	11:00 a.m.						
11:30	11:30 a.m.						
12:00	12:00 p.m.		82 Lower Limb 3 Half I	D14 Half I to Half II (82)		D16 Half I to Half II (88)	
12:30	12:30 p.m.			83 Lower Limb 4 Half II	D15 Half II to Half I (83)		110 BONE etc. Half I
13:00	1:00 p.m.		84 Knee, Ankle, Foot Half II		84 Knee, Ankle, Foot Half I	88 Lower Limb 5 Half I	
13:30	1:30 p.m.			74 Mr. Carter PBL session 1 Half II			D17 Half II to Half I (89)
14:00	2:00 p.m.		84 Knee, Ankle, Foot Half II		84 Knee, Ankle, Foot Half I		
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.						
Independent Learning			77c Money Matters 3				

Weekly Formative Assessments

UNIT 1 CALENDAR, 2016

2016		Monday September 19	Tuesday September 20	Wednesday September 21	Thursday September 22	Friday September 23
9:00	9:00 a.m.	117 Introduction to Ethics	123 Neuromuscular Disease 2	94 Knee and Ankle	99 Mr. Carter PBL session 3 Half I	Study Day
9:30	9:30 a.m.					
10:00	10:00 a.m.	126 The Social History Half I	42 The Neurologic -al Exam Half II	124 POPS NM DISEASE	102 Patient Presentation	
10:30	10:30 a.m.					
11:00	11:00 a.m.					
11:30	11:30 a.m.					
12:00	12:00 p.m.	SP1 1-on-1 Standardized Patient exercise. Selected students, 15 min each		D18 Half I to Half II (95)	92 Lower Limb Half I	
12:30	12:30 p.m.			96 Lower Limb 8 Half II		
13:00	1:00 p.m.				95 Lower Limb 7 Half I	
13:30	1:30 p.m.					
14:00	2:00 p.m.					
14:30	2:30 p.m.	42 The Neurologic -al Exam Half I	126 The Social History Half II	D19 Half II to Half I (96)		
15:00	3:00 p.m.			100 Review (OPTIONAL)		
15:30	3:30 p.m.					
16:00	4:00 p.m.					
16:30	4:30 p.m.					
Independent Learning						

Weekly Formative Assessments

UNIT 1 CALENDAR, 2016

Reflection, Integration & Assessment week.

2016	Monday September 26	Tuesday September 27	Wednesday September 28	Thursday September 29	Friday September 30	
9:00 9:00 a.m.						
9:30 9:30 a.m.						
10:00 10:00 a.m.	Clinical Skills OSCE		MK Essay Exam	NBME MCQ Exam		
10:30 10:30 a.m.						
11:00 11:00 a.m.		Half I Gross Anatomy				
11:30 11:30 a.m.						
12:00 12:00 p.m.			Half II Gross Anatomy	CS Essay Exam		
12:30 12:30 p.m.						
13:00 1:00 p.m.					Unit MCQ Exam	
13:30 1:30 p.m.						
14:00 2:00 p.m.					Clinical Skills MCQ 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.						
16:30 4:30 p.m.						
Independent Learning						