

## SUNY Downstate College of Medicine Integrated Pathways Curriculum, Class of 2023

# Unit 1: Human Structure and Function August 12 – October 4, 2019

The game's afoot: Follow your spirit... (W. Shakespeare, Henry V)

Corresponds to V4 of Master Calendar

### UNIT 1: Human Structure and Function Calendar for 2019



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

- This version of the calendar is current as of June 3, 2019, but there may be changes 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 available online via the Leo system in early August, and we hope to send you a link to the online version before Orientation begins. You'll be using the online version extensively throughout the Foundations Units.
- Any changes or updates will be included in the online version.
- We hope that this preview is helpful, and we look forward to meeting you at Orientation on Monday August 5<sup>th</sup>. 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

Dr. Keith Williams

Distinguished Teaching Professor

on behalf of the Unit 1 faculty & staff





#### UNIT 1

#### Systems Overview: Human Structure and Function

#### 2019

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February
     January
                                             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
6 7 8 9 10 11 12
                              7 8
13 14 15 16 17 18 19 10 11 12 13 14 15 16
20 21 22 23 24 25 26 17 18 19 20 21 22 23 17 18 19 20 21 22 23 21 22 23 24 25 26 27
                   24 25 26 27 28
                                       24 25 26 27 28 29 30 28 29 30
27 28 29 30 31
                                       31
       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
                                            2 3 4 5 6
                                                                      1 2 3
        1 2 3 4
5 6 7 8 9 10 11
                                            9 10 11 12 13
                                                                               Orientation August 5 to 9, 2019
                   9 10 11 12 13 14 15 14 15 16 17 18 19 20
                                                                               Unit 1: August 12 to
                                                          18 19 20 21 22 23 24
October 4, 2019
                                                           25 26 27 28 29 30 31
26 27 28 29 30 31
                   23 24 25 26 27 28 29 28 29 30 31
                   30
   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
                                                                               Unit 2 runs October 7
                    6 7 8 9 10 11 12
                                                             9 10 11 12 13 14
                                                                               through December 20
     10 11 12 13 14
     17 18 19 20 21
                   13 14 15 16 17 18 19
                                       10 11 12 13 14 15 16
                                                          15 16 17 18 19 20 21
22 23 24 25 26 27 28
                   20 21 22 23 24 25 26
                                      17 18 19 20 21 22 23
                                                          22 23 24 25 26 27 28
                   27 28 29 30 31
                                       24 25 26 27 28 29 30
                                                          29 30 31
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#### UNIT 1



#### **Key to Modalities**

Class Information & Discussion	Patient Presentation
Lecture	Gross Anatomy Lab
Problem-Based Learning (PBL)	Histology/Histopathology Lab
Clinical Skills (CS) Small Group	Independent Learning activity
Clinical Skills (CS) Lab	Formative Assessment *
Radiology Lab (RRE)	Summative Assessment
Patient-Oriented Problem Solving (POPS)	Clinical Skills in Practice

Please note that some activities (e.g., most Lectures) include the entire class. Other activities (e.g., PBL, CS Small Group, 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 12<sup>th</sup> 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 10:00 a.m. on August 20<sup>th</sup>, by the other half of Half I at 11:00 a.m., and by Half II at 12:00 noon or 2:30 p.m. that day. 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, 6, etc.). The numbers are not necessarily in sequence—they are for reference and are key for calendaring and administrative support.

<sup>\*</sup> Weekly formative assessments open on Friday and are due by 9 a.m. the following Tuesday. The scores do not count toward the Unit grade, but formative assessments are a required activity and a very valuable study tool, and are part of the Professionalism competency.



Formative



Formative



Formative



Formative

Week	5	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II	Half I	Half II
2019		Monday September 9		Tuesday September 10		Wednesday September 11		Thursday September 12		Friday September 13	
8:00	8:00 a.m.										
8:30	8:30 a.m.										
9:00	9:00 a.m.	68 The Neuromuscular Junction		81 Excitation–Contraction Coupling In Skeletal Muscle		120 Sensory Afferents & Spinal Cord Processing		69 Mr. Johnson TIME Session 3		55 Elbow and Hand	
9:30	9:30 a.m.										
10:00	10:00 a.m.	60 Profession-	205	85 Physiological Properties of Skeletal 79 Neural control of movement		131 Nerve and Muscle					
10:30	10:30 a.m.	alism UL 5 &		Muscle		movement				Nerve and Muscle	
11:00	11:00 a.m.		- Back/spine -			115 Assess					
11:30	11:30 a.m.		-			Discussion, Q & A					
12:00	12:00 p.m.	STUDY	STUDY		→ Half I						
12:30	12:30 p.m.	TIME		206							
13:00	1:00 p.m.			GA Lab UL 6 & Back/spine		D06 Half I → Half II		75	69	D07 Half II → Half I	
13:30	1:30 p.m.						207	Upper Limb	Mr. Johnson	208	75 Upper
14:00	2:00 p.m.				217 Upper	217 Upper	GA Lab UL 7		Session 3	GA Lab UL 8	Limb
14:30	2:30 p.m.		60 - Profession-		Limb	Limb					
15:00	3:00 p.m.		alism								
15:30	3:30 p.m.				217 Upper	217 Upper					
16:00	4:00 p.m.				Limb	Limb				D08 Half I -	Half II
16:30	4:30 p.m.										
17:00	5:00 p.m.										
	8:30 p.m.	Clinical Skills in Practice – Vital Signs – around 8:30 to 9:30 p.m., 12 students per day, Monday to Friday, clinical site: TBD									
Independent Learning											



Weekly Formative Assessments











