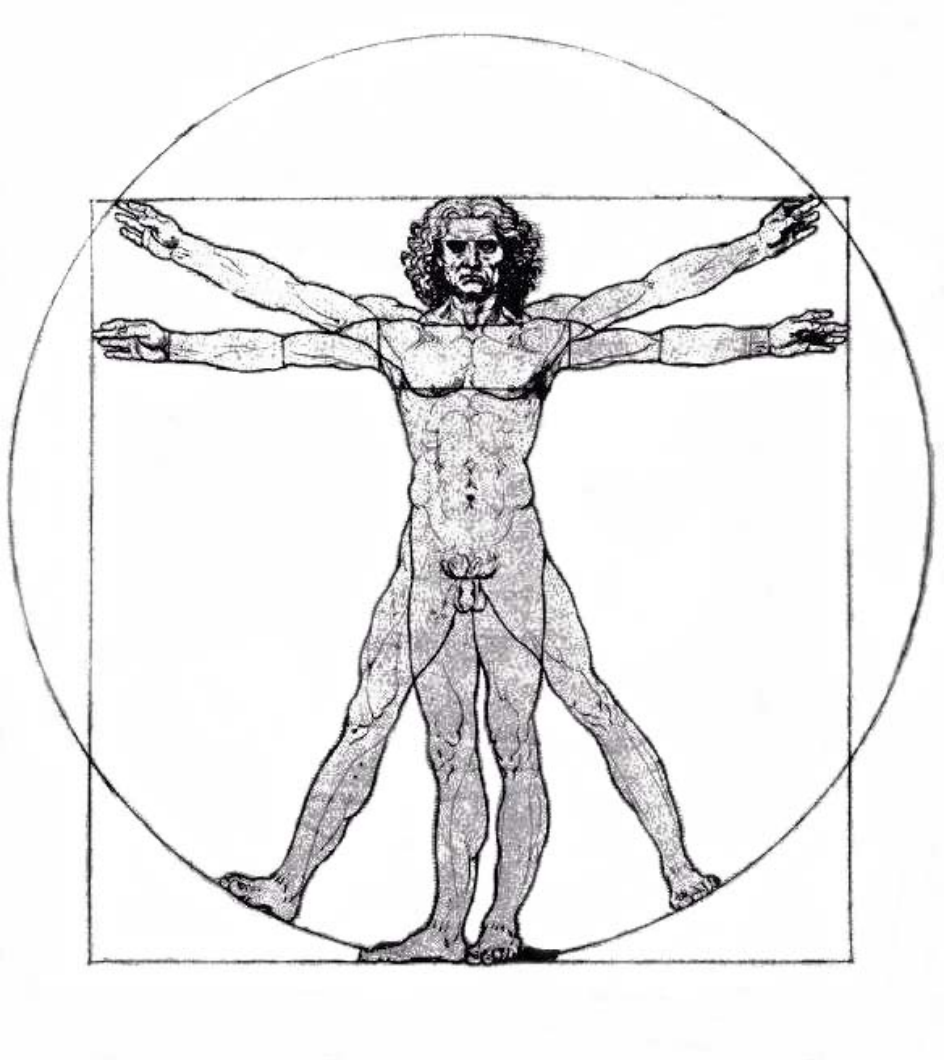
STRUCTURE AND FUNCTION BLOCK SYLLABUS

November 13, 2006 - May 15, 2007



HOWARD UNIVERSITY
COLLEGE OF MEDICINE

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A. GENERAL BLOCK INFORMATION

1. BLOCK DESCRIPTION

TITLE:	**Structure and Function**
SEMESTER:	**Fall 2006 and Spring 2007**
CURRICULUM LEVEL:	**Freshman**
LOCATION:	**College of Medicine**
Lectures:	**Room 1008 Adams Building**
Written Examinations:	**Room 3019 Mudd Building**
Laboratory Examinations:	**Room 1114 Adams Building**
BLOCK CO-DIRECTORS:	**Robert G. Canada, Ph.D.** **John K. Young, Ph.D.**
UNIT LEADERS:	
Bones, Muscles and Skin:	**Mohammed A. Aziz, Ph.D.** **Kebreten F. Manaye, M.D.**
Head and Neck:	**James W. Gnadt, Ph.D.** **Blair H. Turner, Ph.D.**
Thorax, Abdomen and Pelvis:	**Daryl P. Domning, Ph.D.** **Georges E. Haddad, Ph.D.** **Irina A. Koretsky, Ph.D.** **Serdia O. Mack, Ph.D.**

2. FACULTY

NAME	DEPARTMENT	PHONE	OFFICE	HOURS	E-mail
Alice Adams, M.D., Ph.D.	Neurology	(202) 865-1546	HUH	By appointment	aadams@howard.edu
M. Ashraf Aziz, Ph.D.	Anatomy	6-9875 6-9879	1106D Adams & B106 Adams	By appointment	maziz@howard.edu
Mark D. Baganz, M.D.	Neurology	5-1546	HUH	By appointment	mbaganz@howard.edu
James H. Baker, Ph.D.	Anatomy	6-6557	Room 3B, Old Health Sciences Library	9:00 – 5:00 PM, M – F and by appointment	jbaker@howard.edu
Kate M. Baldwin, Ph.D.	Anatomy	6-5275	426 Mudd	By appointment	kbaldwin@howard.edu
Raymond L. Bernor, Ph.D.	Anatomy	6-4316	Room 4B, Old Health Sciences Library	12:00 – 1:00 PM Tu & W	rbernor@howard.edu
Karen J. Blinder, Ph.D.	Anatomy	6-9495	420 Mudd	By appointment	kblinder@howard.edu
W. Malcolm Byrnes, Ph.D.	Biochemistry & Molecular Biology	6-9749	3424A Adams	10:30 AM – 11:30 AM Tu & Th	wbyrnes@howard.edu
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2. FACULTY (con't)

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James W. Gnadt, Ph.D.	Physiology and Biophysics	6-6305	2309 Adams	11:00 AM – 12:00 PM M – F	jgnadt@howard.edu
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Serdia O. Mack, Ph.D.	Physiology and Biophysics	6-9708	333 Mudd	2:00 – 3:00 PM Tu & F	smack@howard.edu
Kebreten F. Manaye, M.D.	Physiology and Biophysics	6-6346	2305 Adams	Tu & Th By appointment	kmanaye@howard.edu
Richard M. Millis, Ph.D.	Physiology and Biophysics	6-5269	329 Mudd	By appointment	rmillis@howard.edu
Dali J. Patel, M.D., Ph.D.	Physiology and Biophysics	6-9700	413 Mudd	By appointment	dpatel@howard.edu
Richard H. Pointer, Ph.D.	Biochemistry & Molecular Biology	6-6367 6-6289	3424D Adams	1:00 – 4:00 PM Tu & Th	rpointer@howard.edu
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2. FACULTY (con't)

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Lekidelu Taddesse-Heath, M.D.	**Pathology**	**5-4082**	**HUH**	**By appointment**	**ltaddesse-heath@howard.edu**
C. Ovid Trouth, M.D., Ph.D.	**Physiology and Biophysics**	**6-6334**	**2408 Adams**	**By appointment**	**ctrouth@howard.edu**
Blair H. Turner, Ph.D.	**Anatomy**	**6-6555**	**1105 Adams**	**By appointment**	**blairturner1@mac.com**
James S. Wilson, Ph.D.	**Anatomy**	**6-6559**	**1106C Adams**	**9:00 – 12:00 PM M – F**	**jwilson@howard.edu**
John K. Young, Ph.D.	**Anatomy**	**6-7723**	**1106F Adams**	**3:00 – 5:00 PM, Tu**	**jyoung@howard.edu**

3. REQUIRED TEXTS

AFIFI, A.K. and BERGMAN, R.A., 2005. Functional Neuroanatomy (text and atlas), 2nd Edition, McGraw-Hill.

AGUR, A.M.R., 1999. Grant's Atlas of Anatomy, 10th Edition, Williams and Wilkins, Baltimore, OR NETTER, F.H., 1989. Atlas of Human Anatomy, 6th Edition, Ciba-Geigy, West Cadwell, (1 atlas required - student's choice)

BERNE, R.M., LEVY, M.N., KOEPPEN, B.M. and STANTON, B.A., 2004. Physiology, 5th Edition, Mosby, Inc., St. Louis, Missouri.

BERSTEIN, J., 2003. Musculoskeletal Medicine, 1st Edition, American Academy of Orthopaedic Surgeons, Rosemont, IL.

HAINES, D.E., 2000. Neuroanatomy : An Atlas of Structures, Sections, and Systems, 5th Edition, Lippincott, Williams and Wilkins, Philadelphia, PA

KIERSZENBAUM, A.L., 2002. Histology and Cell Biology – An Introduction to Pathology, Mosby, Inc., St. Louis, Missouri.

MOORE, K. L., 1999. Clinically Oriented Anatomy, 4th Edition, Williams and Wilkins, Baltimore.

SADLER, T.W., 2006. Langman's Medical Embryology, 10th Edition, Lippincott, Williams and Wilkins.

SAUERLAND, E.K., 1999. Grant's Dissector. 12th Edition Williams and Wilkins, Baltimore.

4. RECOMMENDED OPTIONAL TEXTS

Essentials of Human Physiology,
http://www.lib.mcg.edu/edu/eshuphysio/program/default.htm

KANDEL, E.R., SCHWARTZ, J.H. and JESSELL, T.M., 2000. Principles of Neural Science. 4th Edition, McGraw-Hill Professional Publishing.

GANONG, W.F., 2003. Review of Medical Physiology, 21th Edition, McGraw-Hill

BARRETT, C. P., S. J. POLIAKOFF and L. E. HOLDER , 1990. Primer of Sectional Anatomy with MRI and CT Correlation, 1st Edition, William and Wilkins, Baltimore.

Medical Dictionary (Student's Choice)

B. BLOCK DESIGN

The Structure and Function Block is an innovative integration of the basic science disciplines of Anatomy, Embryology, Neurosciences and Physiology. Relevant material from each of these disciplines will be delivered thematically to facilitate student understanding of each system of the human body. The Structure and Function Block is divided into three units to make the material more manageable, i.e., Unit 1: Bones, Muscles and Skin, Unit 2: Head and Neck, and Unit 3: Thorax, Abdomen and Pelvis.

The learning modes utilized in the Structure and Function Block are multifold. Material in didactic lectures will focus on the delivery of concepts and important points. Cadaver dissection, Histology and Physiology laboratories are critical elements for student learning of important details of human anatomy and function. Clinical faculty will present clinical correlates of the basic science information for each system; this will provide students with the context in which the learning objectives relate to their future as physicians. Finally, small group problem based learning sessions will provide a mechanism for the development of life long learning skills as well as a way for students to obtain relevant information that may not be covered in the three aforementioned learning modes.

This course has been developed with the expectation that the concurrent delivery of each of the major disciplines along with its relevance to the clinical setting will be an improvement in medical education. While it is quite important for physicians to possess basic science information, it is equally as important for them to be adept at problem solving and to have a well developed ability to learn on their own. To this end, students will be expected to be responsible for working in teams to solve the problems presented in the small group sessions as well as in the scheduled laboratories. The last expectation is that the result of all facets of this course will be an experience that leads not only to enhanced performance on board examinations, but also to the development of a well rounded, altruistic physician capable of dealing with any problem he/she may encounter.

C. BLOCK OBJECTIVES

Unit 1 Bone, Muscles and Skin

After attending lectures and performing all laboratory exercises the student is expected to understand the normal development, structure and function of the musculoskeletal system. In addition, the student should be able to develop testable hypotheses relating musculoskeletal dysfunction to developmental, progressive or traumatic bases.

Unit 2 Head and Neck

1. **After attending all lectures, laboratories and group discussions, students should have gained an understanding of the anatomy, function and development of structures in the head and neck, including: their blood supply, lymphatic drainage, organization of fascia, skeletal support, cranial and spinal nerve innervation, muscular control, organs of special sense, and glandular (exocrine and endocrine) activity. Students should be able to relate symptoms and syndromes to specific disorders, injuries and developmental errors of the normal anatomy and physiology of the region.**

2. **After attending all lectures, laboratories and group discussions, students should gain an understanding of the anatomical organization of the peripheral and central nervous systems and be able to apply that understanding to the mechanisms and processes that are responsible for nervous system function. They should be able to employ this structural and functional knowledge to gain expertise in the symptoms that result from peripheral and central nervous system disorders, which may be caused by injury, hemorrhage, or disease. Students should be skilled in the identification of central nervous system structures illustrated by modern imaging techniques and should be able to predict signs and symptoms resulting from specific central nervous system injury detected in those images.**

Unit 3 Thorax, Abdomen and Pelvis

1. **After participating in the cardiovascular component of this unit, students should be able to describe the structural and functional divisions of the circulation, interrelationships between the heart pump and distributing blood vessels, origin of the heartbeat and the electrical activity of the heart, dynamics of blood and lymph flow, cardiovascular regulatory mechanisms, circulation through special regions, circulatory responses to stress (e.g.,**

exercise), and demonstrate familiarity with the effects of disease states (e.g., heart failure) on cardiovascular homeostasis.

2. **After participating in the respiratory component of this unit, students should be able to describe the structure/function relationships of pulmonary ventilation, mechanics of breathing, gas diffusion across blood-gas barriers, blood flow and metabolic functions of the lungs, ventilation-perfusion relationships, neural and chemical control of breathing under normal and special (exercise, high and low pressures, in space, at birth) conditions, tests of pulmonary function and diagnosis of some disease states (e.g., COPD).**

3. **After attending all lectures, laboratories and group discussions, the students should have an understanding of the normal structure and function of the gastrointestinal and renal systems. This would include a description of the neural control, motility, exocrine and endocrine secretions, the digestive and absorptive functions of the GI tract. The student also should be able to describe the hemodynamics, glomerular filtration, tubular reabsorption and secretion, and non-urinary functions of the kidneys.**

4. **After attending all lectures, laboratories and group discussions, the students should have an understanding of the normal structure and function of the pancreas, adrenal glands, and the male and female reproductive systems. This would include a description of the secretion, regulation and effects of insulin, glucagon, cortisol, ACTH, GnRH, FSH, LH, estrogen, progesterone, testosterone, HCG, and HPL. The students also should be able to describe the role of the hormones in major disease states such as diabetes mellitus, Cushings Syndrome, hypogonadism and hypergonadism.**

D. STATEMENT OF POLICIES

1. **<u>Student Evaluation</u>. Written and laboratory examinations will be used to assess the performance of the students in each unit. Examination grades will be assigned according to the following scheme:**

Percent Correct Score	Letter Grade	Interpretation
86 and above	H	Honors
70 thru 84	S	Satisfactory
Below 70	U	Unsatisfactory

Students missing an examination without an official excuse will receive a grade of zero (0.0) on that examination. Computation of the final unit grade is based on a weighted system; the faculty will determine the weight of each examination.

2. **<u>Examination Format</u>. Written examinations will be of the objective style consisting of approximately 80 to 100 questions. Students will have two and one half (2½) hours to complete each examination. The questions will be of the National Board format as best answer, multiple correct answers and illustrations. Each question will be of equal weight in the computerized scoring of the written examinations. Laboratory examinations will make use primarily of cadaveric material obtained through student dissections. In addition, histological microscope slides and bones as well as X-rays, MRI's, CAT scans, cross sections, and photographs of surface anatomy will be used. Most questions will be to identify the structure indicated by a string, paint or arrow.**

3. **<u>Procedures Governing Examinations</u>.**

a. **Students should be seated at least five (5) minutes before the scheduled starting time.**

b. **No books, notes, cell phones or other paraphernalia will be allowed at examination seats, with the exception of a purse or calculator, when permitted. Materials brought to the examination room must be placed in the front or back of the room.**

c. **No food, radios, cameras or earphones will be allowed in the examination room.**

d. **The doors will close promptly at the time the examination is scheduled to begin. Students arriving late will not be admitted to the examination room when examination materials and instructions are being distributed to the**

punctual students. Those arriving late will NOT be given additional time to complete the examination. All students arriving more than thirty (30) minutes late will NOT be admitted to the examination.

e. During the course of the examinations, students will remain in their assigned seats. Proctors will attend to the questions and needs of individual students. A proctor will come to the student's seat when the student raises his/her hand.

f. Upon completion of the examination, each student is to remain seated and raise his/her hand. The proctors will collect the examination materials. At no time is the student to leave his/her seat while carrying the examination materials to the proctor or other areas of the room or outside of the examination room.

g. After collection of the examination materials, the student will immediately leave the examination room as well as the immediate area.

4. Guidelines for Excused Absences from Examinations.

a. Students may be excused from examinations for reasons of serious illness, serious injury, or death in the immediate family.

b. Co-Directors and Unit Leaders will accept only official excuses from the Office of the Dean, College of Medicine.

c. Illness or injury that may result in or which may cause a missed examination must be reported to the Dean's Office and a Co-Director, immediately. The absence must be reported no later than the end of the scheduled examination.

d. Illnesses or injury resulting in a missed examination must be certified by a physician.

e. Problems other than those stated above, which result in a missed examination, may be reported to the Dean's Office for consideration. Such absences will not be excused, however, except in cases of extreme hardship. All such cases will be handled on an individual basis.

5. Make-up Examinations. Please refer to page 14 for make-up examination schedule. Any request to change the make-up examination schedule will be considered on a case-by-case basis upon recommendation from the Office of the Dean. The format of the make-up examination may vary from that of the regularly scheduled examination at the discretion of the faculty.

6. Student Review Examinations. Student review of examinations will be held on Monday following the Laboratory Make-up from 2:30 pm to 3:00 pm in Room 1008.

7. <u>Student Grievance Procedures</u>: *The Informal Process*

a. A student who believes that he/she has been aggrieved must first attempt to seek an informal resolution with the other party involved in the dispute, e.g., grade dispute with instructor.

b. If the student is unable to resolve the dispute with the primary party of the dispute, then the student is advised to seek the intervention of his or her department chairperson.

c. All disputes which are not resolved at the departmental level are then brought to the Dean's Office, whereupon the Dean or his designee will seek to reach an informal resolution through mediation between the parties.

d. If the mediation at the Dean's level fails, then the student's grievance is consigned to the committee designated by the school/college to address student grievances herein referred to as the Student Grievance Committee.

8. <u>Student Grievance Procedures</u>: *The Formal Process*

a. Student grievances which are consigned to the Student Grievance Committee must be specified in writing and given to the Dean or his designee.

b. A student's written statement, along with supportive evidence, constitutes a case document, which will be submitted to each member of the committee.

c. The second party to the dispute is also requested to provide the Office of the Dean with his or her account of the matter in dispute, which becomes a part of the case document that is forwarded to the committee.

d. The Student Grievance Committee is then required to set a date for convening a meeting to hear the case(s) as expeditiously as possible.

e. After the date has been set, each party to the dispute is sent a certified letter which informs him or her of the charges, and date of the meeting as well as a statement requesting his or her presence.

f. During the hearing, the student presents his/her case; after, the accused party is allowed to present the other side. Each side is permitted to have witnesses.

g. Following the hearing, members of the committee after deliberation on their assessment of the case reach a decision as to how the case should be resolved.

h. The committee's decision is sent to the Dean of the School /College in the form of a recommendation. The Dean then informs the student in writing of the decisions, which may be based upon the committee's recommendation or upon a modification of it.

E. EXAMINATION SCHEDULE

Unit 1 – Bones, Muscles and Skin

#	Type	Date	Time	Room
1	Written	12/04/06	8:00 am – 10:30 am	3019 Mudd Bldg.
	Lab	12/04/06	1:30 pm – 3:30 pm	1114 Adams Bldg.
2	Written	12/18/06	8:00 am – 10:30 am	3019 Mudd Bldg.
	Lab	12/18/06	1:30 pm – 3:30 pm	1114 Adams Bldg.

Unit 2 – Head and Neck

#	Type	Date	Time	Room
1	Written	01/22/07	8:00 am – 10:30 am	3019 Mudd Bldg.
	Lab	01/22/07	1:30 pm – 3:30 pm	1114 Adams Bldg.
2	Written	02/12/07	10:00 am – 12:30 pm	3019 Mudd Bldg.
	Lab	02/12/07	2:30 pm – 4:30 pm	1114 Adams Bldg.
3	Written	02/26/07	10:00 am – 12:30 pm	3019 Mudd Bldg.
	Lab	02/26/07	2:30 pm – 4:30 pm	1114 Adams Bldg.

Unit 3 – Thorax, Abdomen and Pelvis

#	Type	Date	Time	Room
1	Written	03/21/07	8:00 am – 10:30 am	3019 Mudd Bldg.
	Lab	03/21/07	1:30 pm – 3:30 pm	1114 Adams Bldg.
2	Written	04/09/07	10:00 am – 12:30 pm	3019 Mudd Bldg.
	Lab	04/09/07	2:30 pm – 4:30 pm	1114 Adams Bldg.
3	Written	04/30/07	8:00 am – 10:30 am	3019 Mudd Bldg.
	Lab	04/30/07	1:30 pm – 3:30 pm	1114 Mudd Bldg.
4	Written	05/15/07	8:00 am – 10:30 am	3019 Mudd Bldg.
	Lab	05/15/07	2:00 pm – 4:00 pm	1114 Adams Bldg.

F. MAKE-UP EXAMINATION SCHEDULE

Unit 1 – Bones, Muscles, Skin and Head

#	Type	Date	Time	Room
1	Written	12/06/06	3:00 pm – 5:30 pm	334 Mudd Bldg.
	Lab	12/07/06	3:00 pm – 4:00 pm	1114 Adams Bldg.
2	Written	12/20/06	9:00 am – 11:30 am	204 Mudd Bldg.
	Lab	12/20/06	1:00 pm – 2:00 pm	1114 Adams Bldg.

Unit 2 – Head and Neck

#	Type	Date	Time	Room
1	Written	01/24/07	3:00 pm – 5:30 pm	204 Mudd Bldg.
	Lab	01/25/07	3:00 pm – 4:00 pm	1114 Adams Bldg.
2	Written	02/14/07	3:00 pm – 5:30 pm	204 Mudd Bldg.
	Lab	02/15/07	3:00 pm – 4:00 pm	1114 Adams Bldg.
3	Written	02/28/07	2:30 pm – 5:00 pm	204 Mudd Bldg.
	Lab	03/01/07	2:30 pm – 3:30 pm	1114 Adams Bldg.

Unit 3 – Thorax, Abdomen and Pelvis

#	Type	Date	Time	Room
1	Written	03/23/07	2:30 pm – 5:00 pm	204 Mudd Bldg.
	Lab	03/26/07	2:30 pm – 3:30 pm	1114 Adams Bldg.
2	Written	04/11/07	2:30 pm – 5:00 pm	204 Mudd Bldg.
	Lab	04/12/07	2:30 pm – 3:30 pm	1114 Adams Bldg.
3	Written	05/02/07	2:30 pm – 5:00 pm	204 Mudd Bldg.
	Lab	05/03/07	2:30 pm – 3:30 pm	1114 Mudd Bldg.
4	Written	05/17/07	9:00 am – 11:30 am	204 Mudd Bldg.
	Lab	05/17/07	1:00 pm – 2:00 pm	1114 Adams Bldg.

G. SCHEDULE OF CLASSES

Week 1: November 13 – November 17, 2006 — UNIT 1: Bones, Muscles and Skin

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM		Joints – Gross & Functional Anatomy [Domning]	Back – Gross Anatomy [Wilson]	Physiology of Bone [Grissom]	Histology of Skin [Young]
9:00 - 9:50 AM		Histology of Cartilage & Joints [Baldwin]	Clinical Aspects of Back [Wilson]	Parathyroid Endocrinology [Grissom]	
10:00 - 10:20 AM		Anatomy Terminology [Baker]	BREAK	BREAK	BREAK
10:30 - 11:20 AM		Histology of Bone [Baldwin]	**Honors and Awards Day**	Peripheral Nervous System [Baker]	*A-Lab: Histology of Bone*
11:30 - 12:20 PM					
12:30 - 1:20 PM		BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM		**Medicine and Society 2:00 – 5:00 PM**	*A-Lab: Axial Skeleton, Vertebral Column, & Back*	*A-Lab: Back*	*A-Lab: Laminectomy*

Week 2: November 20 – November 24, 2006 — UNIT 1: Bones, Muscles and Skin

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Muscle Physiology I [Millis]	Early Embryogenesis [Young]	Embryology – Formation of Body Plan [Aziz]	**Thanksgiving Recess**	
9:00 - 9:50 AM		Embryonic Period [Bernor]	Embryology – E.E. Just's Contributions [Byrnes]		
10:00 - 10:20 AM	BREAK	BREAK	BREAK		
10:30 - 11:20 AM	Muscle Physiology II [Millis]	*A-Lab: Histology of Skin*	Upper Limb Organization and Development [Aziz]		
11:30 - 12:20 PM					
12:30 - 1:20 PM	BREAK	BREAK	BREAK		
1:30 - 2:20 PM	Physiology of Skin [Graf]	**Medicine and Society 2:00 – 5:00 PM**	*A-Lab: Shoulder*		

Week 3: November 27 – December 1, 2006 — UNIT 1: Bones, Muscles and Skin

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Upper Limb – Axilla & Brachial Plexus [Aziz]	Upper Limb – Wrist and Hand [Aziz]	*A-Lab: Axilla & Arm*	Self-Directed Study	Self-Directed Study
9:00 - 9:50 AM				*A-Lab: Forearm & Hands*	
10:00 - 10:20 AM	BREAK	BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM	Formation of the Body Plan [Aziz]	Clinical Anatomy of Upper Limb [Aziz]	Medical Diagnostic Imaging Techniques [Aziz]	*A-Lab: Forearm & Hands*	Self-Directed Study
11:30 - 12:20 PM	Upper Limb – Arm & Forearm [Aziz]	Clinical App.: Tunnel Syndromes [Simpson]	Small Group Session: Development of the Limbs		
12:30 - 1:20 PM	BREAK	BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM	*A-Lab: Pectoral Region & Axilla*	**Medicine and Society 2:00 – 5:00 PM**	*A-Lab: Arm & Forearm*	Self-Directed Study	Self-Directed Study

Week 4: December 4 – December 8, 2006 — UNIT 1: Bones, Muscles and Skin

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**UNIT 1: FIRST LECTURE EXAMINATION 8:00 AM – 10:30 AM**	Spinal Cord Organization and Pathways [Turner]	Self-Directed Study	Overview of Lower Limb [Wilson]	Self-Directed Study
9:00 - 9:50 AM			Locomotion [Wilson]	Gluteal Region [Wilson]	Blood Supply Lower Limb [Wilson]
10:00 - 10:20 AM		BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM		Physiology of Reflexes [Trouth]	Spinal Mechanisms of Posture and Movement [Wilson]	*A-Lab: Gluteal Region*	Lumbosacral Plexus [Wilson]
11:30 - 12:20 PM	**UNIT 1: FIRST LABORATORY EXAMINATION 1:30 PM – 3:30 PM**				Leg [Aziz]
12:30 - 1:20 PM		BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM		**Medicine and Society 2:00 – 5:00 PM**	*P-Lab: Reflexes*	*A-Lab: Gluteal Region and Posterior Thigh*	Foot [Aziz]

Week 5: December 11 – December 15, 2006 UNIT 1: Bones, Muscles and Skin

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	*A-Lab: Posterior Thigh and Posterior Leg*	Self-Directed Study	Self-Directed Study	Self-Directed Study	Self-Directed Study
9:00 - 9:50 AM			Clinical Anatomy of Lower Limb I [Wilson]	Joints of Lower Limb [Wilson]	
10:00 - 10:20 AM	BREAK	BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM	*A-Lab: Posterior Leg and Sole of Foot*	Self-Directed Study	Clinical Anatomy of Lower Limb II [Wilson]	*A-Lab: Joints*	Self-Directed Study
11:30 - 12:20 PM			*A-Lab: Anterior Thigh and Leg*		
12:30 - 1:20 PM	BREAK	BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM	*A-Lab: Sole of Foot*	**Medicine and Society Exam 2:30 – 4:30 PM**	*A-Lab: Dorsum of Foot*	Self-Directed Study	Self-Directed Study

Week 6: December 18 – December 22, 2006 UNIT 1: Bones, Muscles and Skin

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**UNIT 1:**				
9:00 - 9:50 AM	**SECOND LECTURE EXAMINATION**				
10:00 - 10:20 AM	**8:00 AM – 10:30 AM**				
10:30 - 11:20 AM					
11:30 - 12:20 PM	**UNIT 1:**				
12:30 - 1:20 PM	**SECOND LABORATORY EXAMINATION**				
1:30 - 2:20 PM	**1:30 PM – 3:30 PM**				
2:30 - 3:20 PM					

December 25 – December 29, 2006 **UNIT 1: Bones, Muscles and Skin**

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM					
9:00 - 9:50 AM					
10:00 - 10:20 AM	**Christmas Day**				
10:30 - 11:20 AM	**LEGAL HOLIDAY**				
11:30 - 12:20 PM					
12:30 - 1:20 PM					
1:30 - 2:20 PM					
2:30 - 3:20 PM					

Week 8: January 1 – January 5, 2007 **UNIT 2: Head and Neck**

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM			Triangles of the Neck [Wilson]	Face, Scalp and Parotid Gland [Aziz]	Embryology: Cranial Anomalies [Domning]
9:00 - 9:50 AM					
10:00 - 10:20 AM	**New Year's Day**		BREAK	BREAK	BREAK
10:30 - 11:20 AM	**LEGAL HOLIDAY**		*A-Lab: Neck*	Embryology: Brachial Arches [Baker]	*A-Lab: Superficial Face & Scalp*
11:30 - 12:20 PM					
12:30 - 1:20 PM			BREAK	BREAK	BREAK
1:30 - 2:20 PM			*A-Lab: Neck*	*A-Lab: Superficial Face & Scalp*	*A-Lab: Superficial Face & Scalp*

Week 9: January 8 – January 12, 2007 — UNIT 2: Head and Neck

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Interior of Cranium [Domning]	Gross Anatomy of the Brain [Gondre-Lewis]	Action Potentials [Canada]	Computer Simulation of Action Potentials [Canada]	Physiology of Pain [Millis]
9:00 - 9:50 AM					
10:00 - 10:20 AM	BREAK	BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM	Facial Deformities [Baker]	Overview of Brain Function [Graf]	Physiology of Synapses and The Neuromuscular Junction [Canada]	Receptor Mechanisms [Trouth]	*A-Lab: Brain Removal and ID Cranial Nerves*
11:30 - 12:20 PM	Neuro-embryology [Gondre-Lewis]			Sensory Transmission [Trouth]	
12:30 - 1:20 PM	BREAK	BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM	*A-Lab: Skull Osteology*	**Medicine and Society 1:00 – 4:00 PM**	Clinical App.: Myasthenia Gravis [Jayam-Trouth]	*A-Lab: Brain Removal and Cranial Vault*	*A-Lab: Cross-sectional Anatomy of CNS*

Week 10: January 15 – January 19, 2007 — UNIT 2: Head and Neck

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**Martin L. King, Jr. Birthday** **LEGAL HOLIDAY**	Anatomy of Orbit [Baker]	Visual Pathways [Turner]	Physiology of Vision I [Gnadt]	Self-Directed Study
9:00 - 9:50 AM		Cranial Nerves III, IV and VI [Baker]	*A-Lab: Histology of Eye*		
10:00 - 10:20 AM		BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM		Histology of the Eye [Heinbockel]	*A Lab: Orbit*	Physiology of Vision II [Gnadt]	Self-Directed Study
11:30 - 12:20 PM					
12:30 - 1:20 PM		BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM		**Medicine and Society 1:00 – 4:00 PM**	*A Lab: Orbit Continued*	Clinical App.: Lesions of the Visual System [Graf]	Self-Directed Study

Week 11: January 22 – January 26, 2007 — UNIT 2: Head and Neck

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**UNIT 2:**	Blood Supply of CNS [Jayam-Trouth]	Anatomy of the Ear [Domning]	Structure & Function of the Vestibular System [Graf]	Temporal and Infratemporal Fossae [Aziz]
9:00 - 9:50 AM	**FIRST LECTURE EXAMINATION**	Clinical App.: Vascular Lesions [Adams]	Histology of the Ear [Blinder]		
10:00 - 10:20 AM	**8:00 AM – 10:30 AM**	BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM		Clinical App.: Neuroradiology [Baganz]	Physiology of Audition [Randolph]	Control of Eye Movements [Graf]	Pterygopalatine Fossa [Baker*]*
11:30 - 12:20 PM	**UNIT 2:**	Neurology Lab: Neuroimaging [Baganz]			*A–Lab: Dissect Ear, Temporal Bone*
12:30 - 1:20 PM	**FIRST LABORATORY EXAMINATION**	BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM	**1:30 PM – 3:30 PM**	**Medicine and Society 1:00 – 4:00 PM**	Ascending Auditory Pathways [Turner]	*A-Lab: Histology of Ear*	*A–Lab: Temporal Fossa*

Week 12: January 29 – February 2, 2007 — UNIT 2: Head and Neck

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Temporomandibular Joint & Chewing [Wilson]	Larynx [Wilson]	Oral Cavity [Wilson]	Histology of the Oral Cavity & Salivary Glands [Hakim]	Introduction to ANS [Baker]
9:00 - 9:50 AM	Pharynx [Wilson]			Physiology of Oral Cavity [Littleton]	Lymphatics of Head and Neck [Aziz]
10:00 - 10:20 AM	BREAK	BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM	*A-Lab : Infratemporal Fossa*	Nasal Cavity [Baker]	*A-Lab Bisection of Head*	Innervation of the Oral Cavity and Pharynx [Turner]	Ascending and Descending Taste and Visceral Pathways [Turner]
11:30 - 12:20 PM		Olfaction [Heinbockel]		Physiology of Taste [Canada]	
12:30 - 1:20 PM	BREAK	BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM	*A-Lab: Disarticulation of the Head Retropharyngeal Area*	**Medicine and Society 1:00 – 4:00 PM**	*A-Lab: Larynx, Nasal Cavity and Pharynx*	*A-Lab: Oral Cavity*	*A-Lab: Histology of Oral Cavity and Salivary Glands*

Week 13: February 5 – February 9, 2007 — UNIT 2: Head and Neck

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Cranial Nerves V and VII [Wilson]	*A-Lab: Cranial Nerves (Group B)* *P-Lab: Special Senses (Group A)*	Descending Pathways [Wilson]	Brainstem Motor Mechanisms [Trouth]	Self-Directed Study
9:00 - 9:50 AM	Cranial Nerves IX, X, XI [Wilson]				
10:00 - 10:20 AM	BREAK	BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM	Ascending Pathways [Turner]	*A-Lab: Cranial Nerves (Group A)* *P-Lab: Special Senses (Group B)*	Clinical Application: Cranial Nerve Lesions [Jayam-Trouth]	Cerebellum & Basal Ganglia [Wilson]	Self-Directed Study
11:30 - 12:20 PM					
12:30 - 1:20 PM	BREAK	BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM	*A-Lab: Pterygopalatine Fossa*	**Medicine and Society 1:00 – 4:00 PM**	Small Group Sessions Cranial Nerve Lesions	Basal Ganglia II [Wilson]	Self-Directed Study

Week 14: February 12 – February 16, 2007 — UNIT 2: Head and Neck

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**UNIT 2:**	Autonomics of Head and Neck [Baker]	Anatomy of Hypothalamus [Young]	Cortex II [Turner]	Histology of Endocrine Organs II [Heinbockel]
9:00 - 9:50 AM	**SECOND LECTURE EXAMINATION**		Thalamus [Manaye]	Maturation of the CNS [Jayam-Trouth]	Higher Cortical Functions I [Manaye]
10:00 - 10:20 AM	**10:00 AM – 12:30 PM**	BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM		Physiology of the ANS [Trouth]	Anatomy of Limbic System [Turner]	Aging of the CNS [Manaye]	Higher Cortical Functions II [Manaye]
11:30 - 12:20 PM	**UNIT 2:**				*A-Lab: Dissection of Limbic System*
12:30 - 1:20 PM	**SECOND LABORATORY EXAMINATION**	BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM	**2:30 PM – 4:30 PM**	**Medicine and Society 1:00 – 4:00 PM**	Cortex I [Turner]	Histology of Endocrine Organs I [Heinbockel]	*A-Lab: Dissection of Cortex*

Week 15: February 19 – February 23, 2007 — UNIT 2: Head and Neck

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**PRESIDENTS'**	Physiology of Sleep [Sammaritano]	Case Presentation: Neurologic Disorders [Jayam-Trouth]	Neuroendocrinology [Mack]	Self-Directed Study
9:00 - 9:50 AM					
10:00 - 10:20 AM		BREAK	BREAK	BREAK	BREAK
10:30 - 11:20 AM	**DAY**	*A-Lab: Histology of Endocrine Organs*	Neurologic Disorders Continued [Jayam-Trouth]	Physiology of Thyroid Gland [Grissom]	Directed Review
11:30 - 12:20 PM				Clinical Application: Thyroid Gland	
12:30 - 1:20 PM	**LEGAL HOLIDAY**	BREAK	BREAK	BREAK	BREAK
1:30 - 2:20 PM		**Medicine and Society 1:00 – 4:00 PM**	Overview of Endocrine System [Mack]	*A-Lab: Histology of CNS*	Directed Review

Week 16: February 26 – March 2, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**UNIT 2: THIRD LECTURE EXAMINATION 10:00 AM – 12:30 PM**	Organization of Thorax [Wilson]	Development of Heart and Great Vessels [Aziz]	Physiology of Cardiac Muscle [Haddad]	ANS of the Thorax [Baker]
9:00 - 9:50 AM		Thoracic Wall [Baker]			
10:00 - 10:50 AM		Overview of Cardiovascular System [Wilson]	Clinical App: Fetal Cardiac Pathophysiology [TBA]	Ion Channels of Cardiac Muscle [Haddad]	**CHARTER DAY**
11:00 - 11:50 AM	**UNIT 2: THIRD LABORATORY EXAMINATION 2:30 PM – 4:30 PM**	BREAK	BREAK	BREAK	
12:00 - 12:50 PM		Anatomy of the Heart [Aziz]	*A – Lab: Thoracic Wall*	*A - Lab Middle Mediastinum*	**OBSERVANCE**
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**			

Week 17: March 5 – March 9, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Electrical Activity of the Heart [Haddad]	Cardiac Membrane Potential [Haddad]	Hexaxial System, Vectogram and MVA [Haddad]	Cardiac Cycle [Coleman]	Cardiac Performance II [Coleman]
9:00 - 9:50 AM		Basis of the Electrocardiogram [Haddad]		Cardiac Performance I [Coleman]	Hemodynamics [Patel]
10:00 - 10:50 AM	Anat./Clin. Correlates Mediastinum [Wilson]		Hypertrophy [Haddad]		Arterial System [Patel]
11:00 - 11:50 AM	BREAK	BREAK	BREAK	BREAK	BREAK
12:00 - 12:50 PM	*A - Lab Superior Mediastinum*	Clinical Application: Anemia [Taddesse-Heath]	*A-Lab: Posterior Mediastinum*	Conduction Blocks [Haddad]	*A-Lab: Finish Thorax*
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**			

Week 18: March 12 – March 16, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Cardiovascular Calculations [Coleman]	Cardiovascular Regulation 3 [Patel]	Circulation through Special Regions I [Coleman]	Circulation through Special Regions II [Coleman]	**SPRING RECESS**
9:00 - 9:50 AM		Cardiovascular Problems [Patel]			
10:00 - 10:50 AM	Cardiovascular Regulation 1 [Patel]			Clinical Application: Myocardial Ischemia [Mehrota]	**BEGINS**
11:00 - 11:50 AM	BREAK	BREAK	BREAK	BREAK	
12:00 - 12:50 PM	Cardiovascular Regulation 2 [Patel]	Neural Control of Cardiovascular System [Trouth]	Myocardial Ischemia [Haddad]	Clinical Application: Heart Block [Oke]	
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**			

Week 19: March 19 – March 23, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**SPRING RECESS** **ENDS**	Self-Directed Study	**UNIT 3: FIRST LECTURE EXAMINATION** **8:00 AM – 10:30 AM**	Overview of Respiratory System [Baker]	Histology of Respiratory System [Heinbockel]
9:00 - 9:50 AM				Lungs and Pleura [Baker]	
10:00 - 10:50 AM				Small Group Sessions	Anatomical Correlates of Respiratory System [Wilson]
11:00 - 11:50 AM		BREAK	**UNIT 3: FIRST LABORATORY EXAMINATION** **1:30 PM – 3:30 PM**	BREAK	BREAK
12:00 - 12:50 PM		Self-Directed Study		*A – Lab* *Pleura, lungs and bronchi*	Functions of the Respiratory System [Trouth]
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**			

Week 20: March 26 – March 30, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Pulmonary Ventilation: Lung Volumes and Capacities [Trouth]	Pulmonary Ventilation Continued [Trouth]	Non-Respiratory Functions of the Lungs [Millis]	Transport of O_2 and CO_2 [Trouth]	Respiration in Special Environments [Millis]
9:00 - 9:50 AM		Gas Exchange and Dead Space [Trouth]	Mechanical Properties of Respiration: Compliance, Airway Resistance [Trouth]	*P–Lab: Spirometry [Millis]*	*P – Lab Computer Simulations of Respiration in Special Environments*
10:00 - 10:50 AM	*A – Lab: Histology of Respiratoy System*				
11:00 - 11:50 AM	BREAK	BREAK	BREAK	BREAK	BREAK
12:00 - 12:50 PM	*A – Lab* *Histology of Respiratory System Continued*	Clinical App: Thoracic Inlet Syndrome	Mechanical Properties of Respiration: Work of Breathing and Surface Tension [Trouth]	Pulmonary Circulation [Millis]	Ventilation-Perfusion Relationships [Trouth]
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**		Neural Control of Respiration [Trouth]	

Week 21: April 2 – April 6, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Acid-Base Balance [Millis]	Self-Directed Study	Hypoxia, hyperoxia & hypercapnia [Millis]	Self-Directed Study	Self-Directed Study
9:00 - 9:50 AM		Exercise Physiology [Millis]		Problem Solving Review [Trouth]	Self-Directed Study
10:00 - 10:50 AM	Chemical Control of Respiration [Millis]	Clinical Application: Pneumonia & Tuberculosis	Lymphatic Drainage of Thorax [Aziz]		
11:00 - 11:50 AM	BREAK	BREAK	BREAK	BREAK	BREAK
12:00 - 12:50 PM	Respiration Failure [Millis]	Clinical Application: COPD [Polk]	Small Group Session: Asthma, Cystic Fibrosis and Sarcoidosis	Self-Directed Study	Self-Directed Study
1:00 - 1:50 PM	Neonatal Respiration [Trouth]	**Medicine and Society 1:00 – 4:00 PM**			

Week 22: April 9 – April 13, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**UNIT 3: SECOND LECTURE EXAMINATION 10:00 AM – 12:30 PM**	Peritoneum & Abdominal Cavity [Baker]	Histology of the Digestive Tract [Blinder]	ANS of the Abdomen and Pelvis [Wilson]	Anatomical basis of Referred Pain [Wilson]
9:00 - 9:50 AM		Organization of the Abdominopelvic Cavity [Baker]		*A – Lab Histology of the GI Tract*	*A – Lab: GI Tract*
10:00 - 10:50 AM		Anterior Abdominal Wall (Hernia) [Wilson]	*A – Lab: Anterior Abdominal Wall*		
11:00 - 11:50 AM	**UNIT 3: SECOND LABORATORY EXAMINATION 2:30 PM – 4:30 PM**	BREAK	BREAK	BREAK	BREAK
12:00 - 12:50 PM		Development of the GI Tract [Baker]	*A – Lab: Anterior Abdominal Wall and Inguinal Region*	*A – Lab: Abdomen*	*A – Lab: GI Tract*
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**			

Week 23: April 16 – April 20, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Posterior Abdominal Wall [Aziz]	Physiology of the GI Tract: Secretions [Littleton]	Physiology of the GI Tract: Digestion and Absorption [Littleton]	Self-Directed Study	Self-Directed Study
9:00 - 9:50 AM	GI Physiology: Motility [Littleton]			Physiology of Pancreas [Grissom]	*A – Lab Histology of Liver, Gall Bladder & Pancreas*
10:00 - 10:50 AM		Clinical Application: Acute Abdomen [Ford]	Histology of Liver, Gall Bladder & Pancreas [Young]		
11:00 - 11:50 AM	BREAK	BREAK	BREAK	BREAK	BREAK
12:00 - 12:50 PM	*A – Lab: Finish GI Tract*	Self-Directed Study	Physiology of Liver [Littleton]	Clinical Application: Diabetes	*A – Lab: Remove Viscera*
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**	Small Group Sessions: Liver		

Week 24: April 23 – April 27, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Regulation of Steroid Biosynthesis [Pointer]	Overview of Urinary System [Wilson]	Histology of Urinary System [Young]	Self-Directed Study	Self-Directed Study
9:00 - 9:50 AM		Urogenital Development [Baker]		*A – Lab: Histology of Urinary System*	Directed Review
10:00 - 10:50 AM	Small Group Sessions: Diabetes [Grissom]	Body Fluids & Electrolytes [Gold]	Physiology of Kidney: Introduction [Gold]		
11:00 - 11:50 AM	BREAK	BREAK	BREAK	BREAK	BREAK
12:00 - 12:50 PM	Physiology of Adrenal Gland [Mack]	Body Fluids & Electrolytes Continued [Gold]	*A – Lab: Posterior Abdominal Wall*	*A – Lab: Kidney*	Self-Directed Study
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**			

Week 25: April 30 – May 4, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	**UNIT 3: THIRD LECTURE EXAMINATION 8:00 AM – 10:30 AM**	Self-Directed Study	Tubular Reabsorption and Secretion – Mechanisms [Gold]	Renal Regulation of Acid Balance [Gold]	Ischioanal Fossa [Wilson]
9:00 - 9:50 AM		Renal Clearance and Blood Flow [Gold]	Renal Regulation of Body Fluid Osmolality & Volume [Gold]		*A – Lab: Bissect Pelvis: Bladder*
10:00 - 10:50 AM		Glomerular Filtration [Gold]		Micturition: Non-Urinary Functions of Kidney [Gold]	
11:00 - 11:50 AM	**UNIT 3: THIRD LABORATORY EXAMINATION 1:30 PM – 3:30 PM**	BREAK	BREAK	BREAK	BREAK
12:00 - 12:50 PM		Tubular Reabsorption and Secretion – Principles [Gold]	*A – Lab: Posterior Abdominal Wall*	Clinical Application: Renal Failure [Mere]	*A – Lab: Finish Pelvis & Ischioanal Fossa*
1:00 - 1:50 PM		**Medicine and Society 1:00 – 4:00 PM**			

Week 26: May 7 – May 11, 2007 — UNIT 3: Thorax, Abdomen and Pelvis

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 8:50 AM	Overview of Reproductive System Anatomy [Wilson]	Physiology of Male Reproductive System [Grissom]	Histology of Female Reproductive System [Blinder]	Physiology of Female Reproductive System II [Grissom]	Sexual Differentiation [Grissom]
9:00 - 9:50 AM	Pelvic Diaphragm and Perineum [Wilson]			Pregnancy I [Grissom]	*A – Lab Histology of Female Reproductive System*
10:00 - 10:50 AM	Lymphatics of Abdomen and Pelvic Cavity [Aziz]	*A – Lab: Histology of Male Reproductive System*	Small Group Session: Failure of Male Sexual Maturation [Grissom]	Pregnancy II [Grissom]	
11:00 - 11:50 AM	BREAK	BREAK	BREAK	BREAK	BREAK
12:00 - 12:50 PM	Histology of Male Reproductive System [Young]	*A – Lab: Histology of Male Reproductive System*	Physiology of Female Reproductive System I [Grissom]	Histology of Mammary Gland & Placenta [Hakim]	Puberty and Growth [Grissom]
1:00 - 1:50 PM		BREAK		Small Group Session: Young Woman with Amenorrhea Hirsutism and Infertility [Grissom]	Small Group Session: Hyperglycemia during Pregnancy [Grissom]
2:00 - 3:20 PM	*A – Lab: Perineum and Urogenital Diaphragm*	**Medicine and Society Exam 3:00 – 5:00 PM**			

Week 27: May 14 – May 18, 2007 **UNIT 3: Thorax, Abdomen and Pelvis**

<table>
<tr><th>Time</th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th></tr>
<tr><td>8:00 - 8:50 AM</td><td rowspan="3">Self-Directed Study</td><td rowspan="6">UNIT 3:
FOURTH LECTURE EXAMINATION
8:00 AM – 10:30 AM

UNIT 3:
FOURTH LABORATORY EXAMINATION
2:00 PM – 4:00 PM</td><td rowspan="6"></td><td rowspan="6"></td><td rowspan="6"></td></tr>
<tr><td>9:00 - 9:50 AM</td></tr>
<tr><td>10:00 - 10:50 AM</td></tr>
<tr><td>11:00 - 11:50 AM</td><td>BREAK</td></tr>
<tr><td>12:00 - 12:50 PM</td><td rowspan="2">Self-Directed Study</td></tr>
<tr><td>1:00 - 1:50 PM</td></tr>
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H. HOWARD UNIVERSITY STATEMENT ON AMERICAN WITH DISABILITIES ACT (ADA) PROCEDURES

Howard University is committed to providing an educational environment that is accessible to all students. In accordance with this policy, students in need of accommodations due to a disability should contact the Office of the Dean for Special Student Services for verification and determination of reasonable accommodations as soon as possible after admission to the University, or at the beginning of each semester. The Dean of Special Student Services, Dr. Barbara Williams, can be reached at (202) 238-2420.