

SUMMER 2009

REQUIREMENTS FOR HBA 561/540/461

Books

Netter, F.H.: Atlas of Human Anatomy. 4th edition. Saunders Elsevier 2006. Older editions and other atlases (e.g., Grant's, Clementi) can be used instead.

Tank, P.W.: Grant's Dissector. 14th edition. Lippincott Williams & Wilkins, 2008.

Moore, K.L, Dalley, A.F. & Agur, A.M.: Clinically Oriented Anatomy. 6th edition. Lippincott, Williams & Wilkins, 2009.

Regional Human Anatomy Manual, edited 2009.

Additional recommendation for a concise, short review book:

Stern, J.T., Jr.: Core Concepts in Anatomy. 2nd edition. © J.T. Stern.

Lab Supplies: #4 scalpel with #22 blades
2 scissors: 1 large, 1 small
forceps: 1 large rat-tooth, 1 small
1 blunt probe
Laboratory coat, scrubs and gloves are strongly recommended

The Regional Human Anatomy Manual (\$10.00) and Core Concepts (\$20.00) can be purchased from the Department of Anatomical Sciences (Main office in HSC L8, room 40) during office hours or in the Anatomy office (HSC L2, room 132) during orientation. The Atlas, Textbook and Dissector, as well as dissecting items listed above, can be purchased in the Health Sciences Center Bookstore (HSC L2). Slightly used dissecting tools and lab coats may be purchased in the Gross Anatomy Office, (HSC L2, room 132). These items will be available during orientation.

Additional resources (e.g., powerpoint presentations with all lecture slides, radiology images, brain atlas) are available on the **class webpage**: <http://gibbon.anat.sunysb.edu/SHTM/index.html>

How to study: Read the assigned pages in the dissector (most important!) and the textbook prior to coming to class. The textbook offers extensive clinical information (blue boxes). These are interesting to read, nicely supplement and reinforce the anatomical information, and make you understand why it is so important for health care professionals to know the anatomy of the human body. However, *unless covered in lecture*, the examinations will not have clinical questions. Take advantage of the yellow bottom line boxes at the end of each section – they summarize the most important information of the sections. The Regional Human Anatomy Manual has the “bare bone” information needed for a passing grade in the course, but not enough detail for high grades. In addition, it offers a chapter on the brain which is not covered in the textbook.

The class will meet Monday through Thursday from 1 p.m. to 5 p.m. and Friday from 8 a.m. to 12 noon. The first meeting of the class will be on Tuesday, June 30th, at 1 p.m., lecture hall TBA. The final exam will be at 1pm on Mon, August 24th. There will be three practice quizzes at 10am on Thurs 7/9 (module 1), Tues 7/28 (module 2), and Mon 8/17 (module 3).

PLEASE BRING ALL LABORATORY EQUIPMENT ON THE FIRST DAY AND BE PREPARED TO BEGIN DISSECTION. NOTE THAT READINGS FOR June 30th SHOULD BE DONE BEFORE COMING TO CLASS (Dissector pages 1 – 13, Textbook pages 1 - 70).

HOW YOU WILL BE TESTED

There will be two test formats in this course -- quizzes and examinations.

Quizzes

There will be a short quiz midway through each module (note the am dates in the syllabus!). Quizzes consist of a written part, with generally 15 multiple choice questions. The second part will be a laboratory examination and will consist of identifying approximately 30 structures pinned or tagged on various cadavers and radiographic images. The faculty will grade the lab portions of the quizzes and provide you with a key for the written part.

The questions on the quizzes will be of the same nature and degree of difficulty as those given on the examination at the end of each module. The laboratory exam will cover all dissections which should have been completed by the time it is administered.

Quizzes are important because they give you an idea of the nature and degree of difficulty of the questions on the examination for each module. They are also designed to encourage you to pace your learning properly instead of waiting until the end of the module before beginning to study in earnest -- a tactic which experience indicates can seriously imperil a student's chances of successfully completing the course.

Examinations

There will be an examination at the end of each module. It will be in two parts -- a written one consisting of 50 multiple choice questions and a practical one consisting of the identification of approximately 70 structures pinned or tagged on cadavers and radiographic images.

The final examination is cumulative and will contain questions pertaining to all material covered throughout the entire course. Approximately 75% of all final exam questions will pertain to material of the third module; 25% of the final exam will cover material in modules I and II.

How Your Final Grades Will Be Computed

Your final grades will be determined by the scores on the three examinations. The quizzes are practice exams and do not count for the grade. We will give you numerical grades after each examination and letter grades for the course. The cut-offs for the letter grades will be different for graduate students (HBA 561/540) and undergraduate students (HBA 461).

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HUMAN ANATOMY**

MODULE 1: THORAX, ABDOMEN, PELVIS, PERINEUM

Day	Date	Topic	Lab Assignment Dissector	Textbook Readings
Tues	6/30	Introduction, Back	1-13; skip suboccipital region	1-70
Wed	7/1	Spinal Cord, Peripheral Nervous System	15-18	46-65, 439-507
Thur	7/2	Pectoral Region, Thoracic Wall	24-28, 54-57	71-106
Fri	7/3	No class		
Mon	7/6	Pleural Cavities, Lungs	58-63	106-127, 66-70 (medical imaging)
Tues	7/7	Middle Mediastinum, Heart	64-73	127-160
Wed	7/8	Superior and Posterior Mediastinum	73-77	160-180
Thur	7/9	QUIZ I at 10 am Abdominal Wall, Inguinal Region	78-87	181-216
*Fri	7/10	Abdomen I	87-96	217-290 (dissection follows different sequence from textbook reading)
Mon	7/13	Abdomen II	96-105; skip opening of gut tube with the exception of the duodenum – there will be a prosection to study the interior of other gut sections	217-290 (dissection follows different sequence from textbook reading) 301-305 (innervation)
Tues	7/14	Posterior Abdominal Viscera and Wall; Diaphragm	105-112	290-325
Wed	7/15	Pelvis	all 113-115, skip anal triangle; male: 124-133 female: 137-147	326-402
Thur	7/16	Perineum/Urogenital Triangle	male: 117-124, female: 133-137	402-438
*Fri	7/17	REVIEW		
Mon	7/20	EXAM I		

*AM Class

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MODULE 2: HEAD AND NECK

Day	Date	Topic	Lab Assignment Dissector	Textbook Readings
Tues	7/21	Superficial Face, Scalp	199-210	842-865 822-836 (cranial bones)
Wed	7/22	Cranial Cavity	215-227; skip occipital wedge, skip gross anatomy and blood vessels of brain	865-878 1054 – 1059 (cranial nerves)
Thur	7/23	CNS I	221-223, Handout	878-888 & Manual
*Fri	7/24	CNS II	Handout	878-888 & Manual
				Take advantage of the weekend and learn all cranial bones: 822-836
Mon	7/27	Orbit/Ear	227-233, skip removal of eyeball, 255-259 (ear dissection optional)	889-914, 966-980
Tues	7/28	QUIZ II at 10 am Neck – Posterior Triangle	186-190	981-998
Wed	7/29	Neck – Anterior Triangle	190-198	999-1021
Thur	7/30	Deep Face, Temporal Region	210-214	914-928
*Fri	7/31	Disarticulation of Head, Pharynx, Deep Neck	234-240	466-469, 1032-1052, 1018-1021
Mon	8/3	Bisection of Head, Nasal Cavity, Inside of Pharynx, Palate	240-249	951-965, 934-939
Tues	8/4	Oral Cavity, Larynx	249-255	928-951, 1022-1032
Wed	8/5	Review		Summary of all cranial nerves: 1053-1082
Thur	8/6	EXAM II		

* AM class

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MODULE 3: LIMBS

Day	Date	Topic	Lab Assignment Dissector	Textbook Readings
*Fri	8/7	Upper Limb Intro, Movement and Muscle Function, Scapular Region, (review Pectoral Region)	19-28	672-713, 5-11, 29-36
Mon	8/10	Axilla, Brachial Plexus	28-32	713-731
Tues	8/11	Arm, Cubital Fossa	32-36	731-744
Wed	8/12	Forearm, Dorsum of Hand	36-40, 47-49	744-771
Thur	8/13	Palm of Hand	40-46	771-793
*Fri	8/14	Lower Limb Intro, Anterior/Medial Thigh	148-159	508-541, 545-562
Mon	8/17	Quiz III at 10 am Gluteal Region, Posterior Thigh	159-167	562-587
Tues	8/18	Leg, Dorsum of Foot	167-175	587-609
Wed	8/19	Sole of Foot	175-180	609-626, 650-658
Thur	8/20	Joints (Shoulder Elbow, Knee Ankle), Gait	49-53, 180-185	793-819, 626-669, 542-544
*Fri	8/21	Review		
*AM class Mon	8/24	EXAM III – FINAL at 1 pm		Remember: 25% Module I & II questions