

**CSBL 5022**  
**Interprofessional Human Gross Anatomy**  
**SPRING 2018**

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**CLASS DAYS and TIME:** Tuesday & Friday, 10 AM-Noon and 1-4PM

**CLASSROOM:** Lecture - 1.284T unless otherwise noted; Lab - Gross anatomy lab, Dental School Building, unless otherwise noted

**COURSE FACULTY:** Alan Sakaguchi, Ph.D. Course Director; Rekha Kar, Ph.D. Course Co-Director; Yolanda Rangel, Ph.D. Course Co-Director; Arunabh Bhattacharya, Ph.D., Instructor; Haley Nation, Ph.D. Instructor; Babatunde O. Oyajobi, Ph.D., Instructor

**OFFICE LOCATION and HOURS:** Sakaguchi, 237D Medical School Building, by appointment; Rangel, Allied Health Research Building, by appointment; Kar, 1.275S Dental School Building, by appointment; Bhattacharya, 240D Medical School Building, by appointment; Nation, 236D Medical School Building, by appointment; Oyajobi, 518D Medical School Building, by appointment

**EMAIL:** [SAKAGUCHI@uthscsa.edu](mailto:SAKAGUCHI@uthscsa.edu); [KAR@uthscsa.edu](mailto:KAR@uthscsa.edu); [RANGELY@uthscsa.edu](mailto:RANGELY@uthscsa.edu); [BHATTACHARYA@uthscsa.edu](mailto:BHATTACHARYA@uthscsa.edu); [NATION@uthscsa.edu](mailto:NATION@uthscsa.edu); [Oyajobi@uthscsa.edu](mailto:Oyajobi@uthscsa.edu)

**TELEPHONE:** Sakaguchi, 567-3839; Kar, 567-6787; Rangel, 567-8626; Bhattacharya, 567-3848; Nation, 567-3878; Oyajobi, 567-0909

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**READ THIS DOCUMENT CAREFULLY - YOU ARE RESPONSIBLE FOR ITS CONTENTS.**

#### **COURSE DESCRIPTION AND OBJECTIVES**

This foundational course will teach structural and functional anatomy of the normal human body. Lectures will serve as introductory information for the laboratory demonstrations and dissections. Together they are intended to describe and explain how the different anatomical systems interact and complement one another to perform the functions of the body. The course will cover the central and peripheral nervous systems, vertebral column and back, the upper and lower limbs, head and neck, body wall, thorax, abdomen and pelvis. Special emphasis will be placed on the laboratory experience in which the learner will perform a detailed self-study and/or dissection of the human body in order to understand the three-dimensional relationships and the interactive functions of the body. The demonstrations and dissections will allow the student to understand the anatomical basis for disease and dysfunction in organ systems and their applications to clinical practice. They will be supplemented by the study of prosected specimens, models, skeletons, and other demonstration materials. Students are expected to display the highest level of professionalism and to treat the cadaver with respect and to care for and use it in such a way as to gain the maximum knowledge from it.

**Pre-requisites** – none

**Semester credit hours** – 5.5

By the end of this course, each student should be able to:

- correctly and accurately describe and understand the structural and functional anatomy of the normal human body; pronounce and use anatomical terminology correctly.
- correctly and accurately describe and understand the structure and function of the nervous system, the musculoskeletal system and organ systems.

- correctly and accurately describe and understand the structural and functional basis for injuries and diseases of the nervous system, musculoskeletal system and organ systems and their sequelae.

## **COURSE ORGANIZATION**

### **The main teaching modalities used in this course include:**

- 1) Didactic lectures in which anatomical information is presented to the class
- 2) Laboratory demonstrations and dissections and self-study exercises
- 3) Interactive and small group learning activities and online self-assessment quizzes and study material

### **Materials** – In addition to required textbooks (see below) students are required to provide the following:

1. Dissecting tools which include at least two good quality stainless steel dressing (thumb) forceps (without teeth), a No. 4 scalpel handle with a supply of No. 21 or No. 22 blades, and two pair of dissection grade stainless steel operating scissors, one with a blunt and a sharp end and the other with two sharp ends.
2. Gloves for use in the anatomy lab
3. Scrubs for use in the anatomy lab
4. Any other lab materials that the student wishes to use in the anatomy lab (e.g. safety glasses, aprons, bonnets, respirators), obtained at their own expense.

**Computer Access** – All related and relevant course materials will be available on the course CANVAS page. Students should have access to a computer with internet and Wi-Fi capabilities.

**Reading Assignments** – Course lecture material is supplemented by reading relevant chapters in the clinical text, anatomy atlas and lab dissection manual. Unless specifically noted by the lecturer, any material in the required readings may be tested during module written exams and quizzes, even material that was not emphasized during lecture. Supplemental study material and study aids may be posted on the course CANVAS site as well. In addition, material presented during laboratory demonstrations and dissections may be tested during module lab practical exams.

**Lectures**—All of the formal lectures given by the course instructors are presented using PowerPoint slides. PDF versions of the lecture slides will usually be available on the course CANVAS site. Instructors will sometimes also provide additional testable material in the form of supplemental PowerPoint slides or documents which will be available on the course CANVAS site. Material presented during clinical correlations also may be tested on module exams and quizzes, unless otherwise noted.

**Laboratory**—Structures of the human body are presented in the anatomy lab during demonstrations, dissections and self-study. Students should prepare for each lab session by reviewing the relevant sections of the lab dissector, anatomy atlas and structure lists (see Textbooks and Class Schedule). Lab-specific structure lists describing specific items that may be tested during module lab practical exams and additional material that may be tested during module lab practical exams will be available on the course CANVAS site.

## **ATTENDANCE**

**Lecture:** Attendance at lecture is strongly encouraged but not mandatory. However, each student is responsible for learning any material presented during lecture whether he/she was present or not.

**Laboratory:** Full attendance in the laboratory is mandatory in order to receive credit for this course. Each student is expected to participate fully in the laboratory work which includes self-study, dissection, peer teaching and review. Wherever possible and unless otherwise directed, all dissections are to be done bilaterally. Typically three students will be assigned to each side of the body. On your laboratory assignment sheet you will find that three students have been assigned to the left side and three students to the right side of each cadaver. NOTE: "left side " and "right side" refers to the sides of the cadaver NOT the table. Since the cadaver will be variably placed in the supine [face up] or prone [facedown] positions this may actually require teams to exchange sides of the table during the course, sometimes during the same dissection. In addition, each student on a side of the cadaver has been designated as "Student A," "Student B," or "Student C" in order to clarify the individual responsibilities of each partner during a particular dissection.

A rotation scheme will be used so that only two students from each group of three need be present to complete a given dissection. Although the students designated in the schedule will be responsible for the physical dissection and demonstration of structures called for in the prescribed dissections or self-study, it is the responsibility of each member of the team to learn all designated structures, whether present or not during a dissection. The member of each team not directly dissecting has the equally important responsibility to serve as a reader of the dissection procedures for the dissector and should find and demonstrate adequate atlas representations of the structure(s) being sought. During each lab non-dissecting team members may also be required to rotate through self-study stations and complete any associated station exercises.

During lab sessions that involve demonstration and self-study rather than dissection, students will also rotate responsibilities according to a similar scheme. The success or failure of any lab session rests on ALL team members doing their jobs and doing them well. REMEMBER, on laboratory examinations each student will have to identify all structures individually. The teaching staff will periodically check the cadavers and evaluate the quality and completeness of the dissections. They may ask any student to demonstrate structures on the cadaver. Unsatisfactory performance of the dissections may result in a reduction of final course letter grade or an Incomplete. Any anticipated absence from lab must be documented by prior approval from the student's respective program director and from the course director. Chronic absence or tardiness from the lab impairs the learning experience for other students in the same tank group and is considered unprofessional behavior.

### TEXTBOOKS

**Required:** The following textbooks are required for this course. The editions listed are those that will be referenced during lectures and in assigned readings and that may be used for the preparation of some exam questions. Use of older editions is done so at one's own risk.

1. Moore, Keith L., Dalley, Arthur F., and Agur, Anne M. R., *Clinically Oriented Anatomy*, 7<sup>th</sup> Edition, 2014
2. Denton, Alan J., *Grant's Dissector*: 16<sup>th</sup> Edition, 2017
3. Netter, Frank H., *Atlas of Human Anatomy*, 6<sup>th</sup> Edition, 2014

**NOTE:** Each table will be assigned a loaner copy of the anatomy atlas. The loaner copy is for use during the course and must not be removed from the lab. The loaner copy must be returned in its original condition at the end of the course. If the loaner copy is damaged or lost it must be replaced with a clean undamaged copy before final grades for all students at a given table will be reported to the Registrar. It is entirely a student's decision whether to purchase a copy of the anatomy atlas for personal use outside of the lab at his/her own expense.

### GRADING POLICIES AND EXAMINATION PROCEDURES

There will be five module examinations (please see class schedule). The module I exam will be written only. Module exams II-V will each consist of a written part and a lab practical part, both equally weighted and both given on the same day. In addition to the five module exams there will be a weekly quiz covering material presented during the previous week. Weekly quizzes may draw upon material presented in lecture, assigned reading and laboratory demonstrations or dissections. A minimum grade average of 70% must be maintained for the quizzes to receive the full 5% participation grade. There may also be laboratory exercises and assignments that may contribute to the 5% participation grade. These examinations, participation exercises and assignments will constitute the sole criteria for determining grade in this course. The written examination will consist primarily of multiple choice, matching and fill-in-the-blank types of questions. Quiz grades and final letter grades will be posted on the course Canvas site and under no circumstances will such grades be provided to students verbally or by email from teaching faculty.

During selected noon hour's students will have an opportunity to examine paper copies of their exam answer sheets. Attendance at these sessions is optional. No notes may be taken or electronic devices used during these sessions. **Any questions regarding grading or calculation of examination scores must be brought to the attention of the Course Director and/or Co-Director within one week after grades are posted on the course Canvas site; otherwise, the recorded grade will not be changed.**

#### Grading System

For determining overall and final course grade, the examinations will be weighted as follows:

Module I Written	15%
Module II Written and Practical	20%
Module III Written and Practical	20%
Module IV Written and Practical	20%
Module V Written and Practical	20%
Participation—Weekly quizzes and other exercises	5%
Total	100%

A =  $\geq 90\%$     B = 80-89%    C = 70-79%    F =  $<70\%$

**Note:** A final letter grade will only be increased if it falls within  $\leq 0.2\%$  of the next highest grade. For example, 89.7% is a B, whereas 89.8% is an A. There is NO specified or expected class average.

**Examination Protocol** – Written exams will be administered on paper copies with answers recorded on a Scantron sheet. Format of questions may be multiple choice, fill in from a list and identification of structures or features on a figure or image. The exam is timed and all questions must be answered within the allotted time. No study material or electronic devices may be used during the written exam. Additional instructions will be given at the time of the written exam.

Practical exams will take place in the anatomy laboratory. During the exam, which is timed, you will be asked to identify structures on anatomical specimens, bones and radiographs. Answers are recorded on a paper form. Without exception, each student is expected to complete the practical exam within the allotted time set by the course director. Additional instructions will be given at the time of the practical exam.

**Late Arrival to Exams or Other Course Activities** - If you arrive late for a written exam and are allowed by the course director to take it, no extra time will be given. You will **not** be permitted to take the written exam if you arrive after the exam has finished. You will **not** be permitted to take the practical exam at all if you arrive late. A pattern of late arrival to exams or other scheduled course activities is considered to be unprofessional behavior that not only reflects poorly on the student but may also impair the progress of other students, especially in the laboratory portion of the course.

**Grading Procedures** – Written exam results will be posted on the course CANVAS site as quickly as possible but may take several days or more due to the size of the course. The answer key for practical exams will typically be posted at the end of the day of the exam.

**Missed Exams** – An unexcused missed written or practical exam will receive a grade of 0 (zero). A student who anticipates an absence from a scheduled exam for a bona fide reason must have prior and official written approval from their respective Dean, Program Director and the Course Directors. Absences due to personal injury or serious illness must be documented by a physician's letter. Absences due to a serious family situation must also be documented.

**Make-up Exams** – It is at the discretion of the course directors whether to require a student with an excused absence from a written exam to take a make-up exam. If a make-up written exam is given, the exact nature and content, and the time and place of the exam will be determined by the course directors.

Because of the complex nature of the practical exam it is neither feasible nor possible to offer a make-up exam that exactly mimics the missed practical exam. A student who has an excused absence from a practical exam may be asked to take a substitute exam, the exact nature and content of which will be determined by the course directors, at a time and place also determined by the course directors.

**Course Remediation** - A student whose cumulative total score falls below 70% at the end of the course may, in consultation with the respective program directors, be allowed to remediate but under no circumstances will remediation be offered to any student with a final course average of 65% or below. A remediation exam will not be offered to students who achieve a final letter grade of C or above. If offered, the content and the time and place of

the remediation will be determined by the course directors. The new final grade will not be higher than a letter grade of C, regardless of the score achieved on the remediation exam.

**Tutoring  
Policy**

1. In general, it should not be necessary for a student to be tutored in order to pass the courses taught by the department. However, in some special instances, for example, when a student has been absent from an earlier examination or performed unsatisfactorily, the Course Director/Co-Director, Faculty Advisor or the respective Dean for Student Affairs may recommend tutoring.
2. All tutors for Interprofessional Gross Anatomy (CSBL 5022) must be approved by the course director prior to tutoring any student in the course. Except in very unusual cases, tutors should have achieved a grade of at least A or B in the course in which they tutor or in an equivalent course. Tutors will be required to demonstrate their competency of the relevant material via scheduled sessions with the course director or co-director.
3. Tutors are strongly encouraged to attend corresponding lectures and laboratory sessions during their assigned tutoring period.
4. All CSBL 5022 tutors will be given a copy of the general rules and regulations associated with the gross anatomy laboratories and the specific policy for tutoring in the laboratories. Tutors must agree to abide by these rules and regulations or risk losing approved access to the labs and permission to tutor student.
5. All CSBL 5022 tutors will correspond with the course director or other designated faculty member on a weekly basis to insure priority for tutoring sessions is being given to students who are in most danger of failing the course. Students who are recommended for tutoring by the course director should be given preference over students who are doing satisfactory work in the course. The tutoring program is not intended to streamline or be a substitute for self-study.
6. Charges for tutoring should be reasonable. The following scale represents the maximum allowable charge for tutoring in the gross anatomy laboratories: A group of 2 students may be charged \$10 per hour each. A group of 3-4 students may be charged \$5 per hour each. Due to the confined space and interactive nature of a successful tutoring session, groups of 5-6 students will only be permitted by prior approval of the course director. Groups larger than 6 are not permitted under any circumstance. Lower charges and free tutoring are encouraged.

**NOTE: This program is meant to be a GROUP tutoring program. Only under special circumstances and with prior approval by the course director will individual tutoring be considered. The charge for individual tutoring may be \$20 per hour.**

7. When choosing a cadaver for tutoring sessions, realize that the group assigned to that table has priority over tutorial sessions for other students. Please make every effort to work together and coordinate your tutoring sessions accordingly.
8. All CSBL 5022 tutors will maintain a record of all students tutored. The record must contain the name of the student, date of tutoring session, length of time tutored and the amount charged. Tutors will be required to turn these records into the course director periodically during each module of the course.
9. The proper care of cadaver materials is mandatory. Cadavers should be covered properly with a shroud. The head should be wrapped after each session. Every precaution should

be taken to insure the cadavers remain moist between multiple tutorial sessions. Be sure to lower the cadavers back into tanks and close the lids properly.

10. Except in situations when adequate material may not be available, cadaver materials that are used in tutoring should not be used on practical examinations. Every precaution will be taken to ensure that no student could legitimately claim that a student has paid to see what will be on an examination.
11. Names of unauthorized tutors who have gained access to the Gross Lab will be reported to the Director of the Willed Body Program and the student's Dean's office for unprofessional behavior. These individuals may be subject to disciplinary actions.

**Laboratory Precautions** - With increased public interest in environmental health hazards, considerable attention has been given to the possible toxicity of laboratory chemicals. Since agents such as phenol and formaldehyde are extremely important for both the preservation of cadaver material and to ensure that disease is not transmitted to the living, we have been following these investigations with great interest.

Although evidence to date is sketchy and inconclusive, we believe that even the possibility of concern merits some caution. All students are required to wear gloves when handling cadaver material. Tank tops, shorts and open shoes are not permitted. A clean protective apron or coat is recommended when working in the laboratory. Laboratory air has been analyzed for levels of chemicals in question and concentrations have been found to fall within safe levels as established by the Occupational Safety and Health Administration. Concentrations of phenol and formaldehyde will continue to be monitored on a regular basis. As an additional safety precaution, any female student who is pregnant or suspects she is pregnant should immediately bring this information to the attention of the Course Director and/or Course Co-Director.

Please note that these chemicals are used only at low concentrations in the gross anatomy laboratory and they are necessary to protect the health of the living. Every indication is that at the concentrations used these chemicals should not pose a threat to students or faculty. However, the issue will continue to be monitored and in the interim, intelligent caution is strongly encouraged. (Reference: Blair, et al. 1986 *J Natl Cancer Inst* **76**: 1071-1084; Pabst 1987 *Anat Rec* **219**: 109-112).

**Laboratory Rules** – At the beginning of the course each student must declare that they have read and understood the following rules that govern the use of the anatomy laboratory before being allowed to continue. The use of human material for academic study is strictly governed by Department, University, and State of Texas regulations and laws. Any violation of these rules may result in disciplinary action that can include dismissal from a student's respective program as well as fine, incarceration, or both.

### **1. OBSERVE LABORATORY SCHEDULE**

The laboratories will be unlocked and available for your use 24 hours a day, Monday through Sunday EXCEPT when other scheduled classes are in session. Certain exceptions may be made to this policy preceding major examinations and will be announced in class. *The main door at the entrance of the anatomy laboratories and doors of all the laboratories MUST remain closed AT ALL TIMES other than normal ingress and egress and you should take special precaution that the door is open for the shortest possible time when entering or leaving the laboratory. There are no exceptions to this rule.*

### **2. KEEP THE LABORATORY CLEAN**

You are expected to maintain your personal appearance and assigned working space in accordance with professional standards of cleanliness.

#### **Personal attire**

Although there is no specific code of personal dress for laboratory work, what you wear **MUST** be kept clean so as not to create a health hazard for yourself and those with whom you live and work. Shorts and open shoes are **NOT** allowed.

### Laboratory cleanliness

Place paper waste (such as towels) in plastic trash containers located near the sinks. Discard sharp objects such as scalpel blades, needles, etc., in the containers ("Sharps bin") on the counters marked for such instruments; *please do not put sharp objects in the containers for paper trash*. During dissections, parts of the body (such as skin, scraps of fat, etc.) may be placed in the stainless steel buckets beneath the dissection tanks and *at the end of each dissection period, these are to be emptied into the plastic containers marked for "Tissue Only."* **DO NOT dispose of paper towels or scraps of tissue in dissection tanks or in sinks.** Be sure to leave the cadaver properly covered to avoid excessive drying.

### **3. USE DEMONSTRATION MATERIALS WITH CARE**

Skeletons are never to be disarticulated or removed from stands. The disarticulated skeletal materials issued by Multidisciplinary Labs personnel are fragile and irreplaceable. Under no circumstances are reference books, specimens, etc., to be removed from the laboratories. Models and other demonstration materials must be handled with care. **DO NOT** leave models disassembled. Special instruments (bone forceps, saws, etc.) are to be returned to the cabinet at the end of each laboratory period.

### **4. TAKE CARE OF THE LIGHTS**

Dissection lights must be manipulated carefully; be sure your light is turned off before you leave the laboratories. Turning the concavity of the lamp reflector upward and raising the lamp head will help extend the life of the bulb and will help protect the lamp from accidental damage. If you are the last one to leave the lab at the end of a laboratory period or at night, please help conserve energy by turning off the room lights.

### **5. DO NOT SMOKE, EAT, OR DRINK IN THE LABORATORY**

Smoking, eating, or drinking are prohibited in the laboratories, since, in this environment, these activities may pose a hazard to your health.

### **6. WORK QUIETLY IN THE LAB**

Loud talk, horseplay, etc., are completely out of place in the laboratories.

### **7. DO NOT BRING VISITORS INTO THE LABORATORY**

No visitors will be allowed into the laboratory under any circumstance.

### **8. DO NOT BRING CAMERAS, ETC. INTO THE LABORATORY**

Photographic equipment is NOT permitted in the laboratories at any time.

### **9. KEEP SPECIMENS INSIDE THE LAB**

Parts of the body, pieces of human tissue, or prosthetic appliances found in cadavers are never to be removed from the labs. Violation of this rule or of rule #10 is a Class A Misdemeanor under Texas law, punishable by fine, jail sentence, or both.

### **10. RESPECT THE CADAVERS AS HUMAN REMAINS**

Proper care of and respect for the bodies is absolutely essential.

## **REQUESTS FOR ACCOMODATIONS FOR DISABILITIES**

In accordance with policy 4.2.3, **Request for Accommodation Under the ADA and the ADA Amendments Act of 2008 (ADAAA)**, any student requesting accommodation must submit the appropriate request for accommodation under the American with Disabilities Act (ADA, form 100). to his/her appropriate Associate Dean of their School and a copy to the ADA Coordinator. Additional information may be obtained at <http://uthscsa.edu/eeo/request.asp>.

Students who wish to request accommodations for CSBL 5022 should contact Dr. David Henzi Assistant Dean for Student Affairs and Enrollment Management (Room 426A, Medical School Building, Lozano Long Campus *for students in the School of Health Professions*) or Dr. Nicquet Blake, Associate Dean Graduate School of Biomedical Sciences

(Room 1.108, Academic Administration Building, Long Campus *for students in the Graduate School Programs*) directly who will review the processing procedures with the student and then refer him or her to Dr. Blankmeyer, Executive Director of the Equal Employment/Affirmative Action Office (Room 101F-02, Medical School Building) for further review. The process of requesting accommodations should be initiated by the student as soon as possible and once approved the course directors should be notified immediately so that appropriate arrangements can be made. **Please note that all students will be required to complete the laboratory practical exams within the regularly scheduled allotted time set by the course directors.**

## ACADEMIC INTEGRITY AND PROFESSIONALISM

Any student who commits an act of academic dishonesty is subject to discipline as prescribed by the UT System Rules and Regulations of the Board of Regents. Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, signing attendance sheets for another student, and any act designed to give unfair advantage to a student or the attempt to commit such an act. Additional information may be obtained at <http://catalog.uthscsa.edu/generalinformation/generalacademicpolicies/scholasticdishonestypolicy/>

The University of Texas Health Science Center at San Antonio has zero tolerance for acts of scholastic dishonesty. One of the responsibilities of faculty is to assess the achievement of each member of the class and to ensure that all who receive credit and a particular grade have accomplished what such recognition implies. These standards are essential not only to the maintenance of the academic integrity of the course but also to maintain equity, in fairness to every student enrolled in the course.

**No information about examinations in this course should be used or sought from members of previous classes at the UTHSCSA (or other sources).** *Moreover, you will generally be given access to lectures as part of PowerPoint presentations. These are copyrighted materials for your use and only while you are enrolled in this class. The slides may not be distributed, passed to a third party, posted on any public or private online site, sold for profit or given in exchange for tangible property or services, and to do so would violate 17 U.S. Code Chapter 5 – COPYRIGHT INFRINGEMENT AND REMEDIES*

Your attention is directed specifically to the following excerpts from the “Rules of the Health Science Center.”

“The University expects each student to engage in all academic pursuits in a manner that is beyond reproach. The University views any act of scholastic dishonesty as a very serious breach of the student’s responsibilities. Scholastic dishonesty includes all dishonest acts, which are designed to or have the effect of interfering with the academic process. A student is also guilty of scholastic dishonesty if he or she aids another student in the performance of an act of scholastic dishonesty.” Please note the following, which is not an exclusive list:

- A student may not offer for credit as work of his or her own, any work prepared by another.
- A student may not enter the faculty and administrative offices for the purposes of obtaining or copying exams or material used in the preparation of exams. A student who has unintentionally obtained such material must immediately inform an appropriate member of the faculty. Neither shall a student examine or appropriate any teaching materials normally reserved to faculty without permission.
- A student may not use or have in his or her immediate possession, during an examination period, any materials not authorized by the proctor.
- A student may not take an examination for another student, nor may a student permit another person to take an examination for him or her.
- A student taking an examination must comply with all of the instructions given by the person administering the examination.
- A student may not give, receive or obtain any information pertaining to an examination during the examination period, except as authorized by the instructor.
- A student who has just taken an examination and a student who will be taking that examination may not discuss its contents with each other.
- A student may not for the purpose of preserving questions for use by another, divulge the contents of an

essay or objective examination designated by the instructor as an examination (and not to be disseminated beyond the class), or willingly receive such contents.

Any breach of these will be considered an act of scholastic dishonesty.

## **TITLE IX AT UTHSCSA**

### **Title IX Defined:**

Title of the Education Amendments of 1972 is a federal law that prohibits sex discrimination in education. It reads “no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

### **University of Texas Health Science Center San Antonio’s Commitment:**

University of Texas Health Science Center San Antonio (UTHSCSA) is committed to maintaining a learning environment that is free from discriminatory conduct based on gender. As required by Title IX, UTHSCSA does not discriminate on the basis of sex in its education programs and activities, and it encourages any student, faculty, or staff member who thinks that he or she has been subjected to sex discrimination, sexual harassment (including sexual violence) or sexual misconduct to immediately report the incident to the Title IX Director.

In an emergency, victims of sexual abuse should call 911. For non-emergencies, they may contact UPD at 210-567-2800. Additional information may be obtained at <http://students.uthscsa.edu/titleix/>

## **EMAIL POLICY**

Students should correspond with course directors by using their official assigned University email accounts (i.e., @livemail.uthscsa.edu). Students are expected to check their University email on a regular basis to ensure that they are aware of any important course-related announcements—A student’s failure to adequately monitor their University email account is not an excuse for a missed or incomplete course assignment.

## **USE OF RECORDING DEVICES**

Permission to make an audio recording of a lecture is totally at the discretion of each individual lecturer and permission to do so must be obtained prior to the lecture either from the lecturer or as required to comply with ADA accommodations approved by Dr. Blankmeyer, Executive Director of the Equal Employment/Affirmative Action Office, UTHSCSA. Use of any type of image recording device during lectures or in the anatomy lab is not permitted at all times.

## **ELECTRONIC DEVICES**

Laptop, tablet or other devices may be used in class for note taking and to view lecture-related written material, figures and PowerPoint slides and for other classroom related activities. During class these devices should not be used for non-course related activities (e.g., web surfing, emailing, texting, tweeting, etc.) and to do so is considered unprofessional behavior that may be reported to the student’s program director. All cell phones must be turned off during lectures. All electronic devices must be turned off and inaccessible during module exams.

**TENTATIVE CLASS SCHEDULE**  
**INTERPROFESSIONAL HUMAN GROSS ANATOMY**  
**CSBL 5022**  
**SPRING 2018**  
**Tuesday & Friday**  
**10 AM-Noon & 1-4 PM**

WEEK	DATE	TOPIC	Assignment	Instructor and Modality
Week 1	Jan 30	Lecture: Introduction and Orientation Lecture: Terminology & Systems Overview	Lecture-Moore et al.*, pp 2-46	Sakaguchi  Rangel (lecture)
	Feb 2	Lecture: Review of the Nervous System I and II Lab: Small Group Activities (Meet in ALTC, sublevel)	Lecture-Moore et al., pp 46-56, 57-65, 496-506	Rangel (lecture) Faculty & TAs (lab)
Week 2	Feb 6	Lecture: Back, Vertebral Column & Spinal Cord I & II Lecture: Lab : Small Group Activities (Meet in ALTC, sublevel)	Lecture-Moore et al. pp 482-496, 700-704, Tables 2.1, 2.2, 6.4  Lab-Grant's Dissector†: Back, Vertebral Column, Spinal Cord & Meninges, pp. 5-15, 18-21	Oyajobi (lecture)  Faculty & TAs (lab)
	Feb 9	<b>Module I Written Exam</b>		<b>Faculty &amp; TAs</b>
Week 3	Feb 13	Lecture: Introduction to the Anatomy Lab Lecture: Organization of the Lower Limb  Lab: Small Group Activities (Meet in ALTC, sublevel)	Lecture-Grant's Dissector: Introduction, pp. 1-4 Lecture: Moore et al., pp 510-531	Sakaguchi (lecture) Nation (lecture)  Faculty & TAs (lab)
	Feb 16	Gluteal Region, Posterior Thigh, & Popliteal Fossa  Lab : Demonstration & Dissection—Osteology of Lower Limb & Gluteal Region,	Lecture: Moore et al., pp 562-583, 584-587  Lab-Grant's Dissector: Skin and Superficial Fascia Removal, pg 144, Lower Limb pp 183-188, Gluteal Region pp 197-201,	Sakaguchi (lecture)  Faculty & TAs (lab)
Week 4	Feb 20	Lecture: Pelvis, Hip, Anterior & Medial Thigh  Lab: Demonstration & Dissection—Posterior Thigh & Popliteal Fossa	Lecture-Moore et. al., pp. 510-520, 525-527, 532-541, 545-562, 626-634, 659-660  Lab-Grant's Dissector: Posterior Compartment of the Thigh and Popliteal Fossa pp 201-205	Kar (lecture)  Faculty & TAs (lab)

	Feb 23	Lecture: Knee and Leg  Lab: Demonstration & Dissection— Anterior & Medial Thigh, Anterior Leg & Dorsum of Foot	Lecture-Moore et. al., pp 587- 609, 634-637, 661-665  Lab-Grant's Dissector: Anterior Compartment of the Thigh, Medial Compartment of the Thigh pp.188-196, Anterior Compartment of the Leg and Dorsum of Foot 213-216	Nation (lecture)  Faculty & TAs (lab)
Week 5	Feb 27	Lecture: Ankle & Foot  Lab: Demonstration & Dissection— Lateral and Posterior Compartment of the Leg	Lecture-Moore et. al., pp 520- 525, 527-531, 609-626, 647-658-  Lab-Grant's Dissector: Lateral Compartment of the Leg pp 211- 213, Posterior Compartment of the Leg pp 205-211	Nation (lecture)  Faculty & TAs (lab)
	Mar 2	Lecture: Module II Content Review and Q& A  Lab: Demonstration & Dissection— Sole of Foot (Dissection by assignment)	  Lab-Grant's Dissector: Sole of the Foot pp 216-221	Faculty (lecture)  Faculty & TAs (lab)
Week 6	Mar 6	<b>Module II Written Exam &amp; Lab Practical</b>		<b>Faculty &amp; TAs</b>
	Mar 9	Lecture: Bones, Muscles & Organization of the Upper Limb Lecture: Arm & Shoulder Joint  Lab: Arm & Shoulder Joint— Prosection Demonstration & Assisted Self-Study	Lecture-Moore et. al., pp 670-813  Lecture-Moore et. al., pp 672- 677, 697-713  Lab-Grant's Dissector: The Upper Limb, Scapular Region and Posterior Arm; Superficial Veins and Cutaneous Nerves; Pectoral region; Muscles of the Pectoral Region, pp. 23-34.	Kar (lecture) Bhattacharya (lecture)  Faculty & TAs (lab)
Week 7	Mar 13	<b>NO CLASS-SPRING BREAK</b>		
	Mar 16	<b>NO CLASS-SPRING BREAK</b>		
Week 8	Mar 20	Lecture: Axilla & Brachial Plexus  Lab: Axilla & Brachial Plexus— Prosection Demonstration & Assisted Self-Study	Lecture-Moore et. al., pp 713-731  Lab-Grant's Dissector: Axilla pp 35-39	Sakaguchi (lecture)  Faculty & TAs (lab)
	Mar 23	Lecture: Elbow and Forearm  Lab: Arm & Cubital Fossa—	Lecture-Moore et. al., pp 744-771	Kar (lecture)  Faculty & TAs

		<b>Prosection Demonstration &amp; Assisted Self-Study</b>	<b>Lab-Grant's Dissector: Arm &amp; Cubital Fossa pp 39-44</b>	<b>(lab)</b>
<b>Week 9</b>	<b>Mar 27</b>	<b>Lecture: Wrist &amp; Hand</b>  <b>Lab: Forearm—Prosection Demonstration &amp; Assisted Self-Study</b>	<b>Lecture-Moore et. al., pp 771-793</b>  <b>Lab: Flexor Region of the Forearm pp 44-51, Extensor Region of the Forearm and Dorsum of Hand pp. 59-65</b>	<b>Kar (lecture)</b>  <b>Faculty &amp; TAs (lab)</b>
	<b>Mar 30</b>	<b>Lecture: Module III Content Review</b>  <b>Lab: Wrist and Hand— Prosection Demonstration &amp; Assisted Self-Study</b>	<b>Lab-Grant's Dissector: Palm of the Hand, pp 52-59</b>	<b>Faculty (lecture)</b> <b>Faculty &amp; TAs (lab)</b>
<b>Week 10</b>	<b>Apr 3</b>	<b>Module III Written Exam &amp; Lab Practical</b>		<b>Faculty &amp; TAs (lab)</b>
	<b>Apr 6</b>	<b>Lecture: Anterior Chest Wall &amp; Thoracic Contents I (Lungs)</b> <b>Lecture: Heart &amp; Mediastinum</b>  <b>Lab: Thorax, Mediastinum, Heart &amp; Lungs—Prosection Demonstration &amp; Assisted Self-Study</b>	<b>Lecture-Moore et. al., pp 71-106, 106-120, 120-127</b> <b>Lecture-Moore et. al., pp 128-180</b>  <b>Lab-Grant's Dissector: The Thorax, pp 73-98</b>	<b>Bhattacharya (lecture)</b> <b>Kar (lecture)</b> <b>Faculty &amp; TAs (lab)</b>
<b>Week 11</b>	<b>Apr 10</b>	<b>Lecture: Abdominopelvic Cavity I</b>  <b>Lab: Anterior Abdominal Wall &amp; Abdominopelvic Cavity, Abdominal Organs—Prosection Demonstration &amp; Assisted Self-Study</b>	<b>Lecture-Moore et. al., pp 184-216, 327-330, 217-221, 222-301</b>  <b>Lab-Grant's Dissector: pp. 99-131</b>	<b>Oyajobi (lecture)</b>  <b>Faculty &amp; TAs (lab)</b>
	<b>Apr 13</b>	<b>Lecture: Abdominopelvic Cavity II</b>  <b>Lab: Posterior Abdominal Wall &amp; Diaphragm, Pelvic Organs— Prosection Demonstration &amp; Assisted Self-Study</b>	<b>Lecture-Moore et. al., pp 306-309, 309-321, 327-400</b>  <b>Lab-Grant's Dissector: pp 131-140, 141-143, 146-148, 154-155, 158-159, 171-172, 173-176</b>	<b>Oyajobi (lecture)</b>  <b>Faculty &amp; TAs (lab)</b>
<b>Week 12</b>	<b>Apr 17</b>	<b>Module IV Written Exam and Lab Practical</b>		<b>Faculty &amp; TAs (lab)</b>
	<b>Apr 20</b>	<b>Lecture: Neck</b>  <b>Lecture: Face &amp; Infratemporal Region</b>  <b>Lab: Neck, Face &amp; Infratemporal Region—Prosection Demonstration &amp; Assisted Self-Study</b>	<b>Lecture-Moore et. al., pp 982-1051</b> <b>Lecture-Moore et. al., pp 842-865, 914-928</b> <b>Lab-Grant's Dissector: Organization of the Neck; Posterior Triangle of the Neck; Anterior Triangle of the Neck; Root of the Neck, pp 229-244</b>	<b>Bhattacharya (lecture)</b>  <b>Faculty &amp; TAs (lab)</b>

			Head, Face, Parotid Region pp 244-254; Temporal Region pp 256-262	
Week 13	Apr 24	Lecture: Cranial Cavity (Skull), Scalp & Meninges Lecture: Brain, Cranial Nerves & Vessels  Lab: Skull, Scalp & Meninges— Prosection Demonstration & Assisted Self-Study	Lecture-Moore et. al., pp 820-888  Lecture-moore et al., pp 878-888, 1053-1082  Lab-Grant's Dissector: Scalp, pp. 254-256; Interior of the Skull, Removal of the Brain, Dural Infoldings and Dural Venous Sinuses, pp. 263-268, Gross Anatomy of the Brain, Cranial Fossae, pp. 269-275	Rangel (lecture)  Faculty & TAs (lab)
	Apr 27	<b>NO CLASS-BATTLE OF FLOWERS HOLIDAY</b>		
Week 14	May 1	Lecture: Pharynx, Larynx, Soft Palate & Mouth  Lab: Module V whole class lab review  Nose, Mouth, Pharynx & Larynx presented as Prosection Self-Study Demonstrations	Lecture: Moore et. al., pp 928-930, 955-965, 1022-1030, 1032-1038, 1044-1048  Lab-Grant's Dissector: Pharynx, pp. 283-290; Hard Palate and Soft Palate, pp. 294-299; Larynx, pp. 303-307; Nose and Nasal Cavity, pp. 290-294; Mouth, pp. 300-304	Bhattacharya (lecture)  Faculty & TAs (lab)
	May 4	<b>Module V Written Exam and Lab Practical</b>		<b>Faculty &amp; TAs (lab)</b>

\*Moore, Dalley and Agur, *Clinically Oriented Anatomy, 7th Edition*, 2014

† Denton, Alan, J., *Grant's Dissector, 16th Edition*, 2017