**BMS 107: Human Anatomy – Tuesday Night Lecture**

***Spring 2019***

**Professor**: Peter Aguilar **Office**: EBS 315 Phone: x2321

**Email:** [ptaguilar@sbcc.edu](mailto:ptaguilar@sbcc.edu)

**Office Hours**: Weds 3:45-5:45pm;

Thurs 2:15-3:30, Fri 10:15-11

**Lab Sections:**

Weds 6-9:05

Thurs 11:10-2:15

Fri 11:10-2:15

**Welcome to BMS 107, Human Anatomy!** This course provides a comprehensive analysis of the structures of the human body with specific emphasis on individual body systems. An analysis of the gross anatomical and histological structures of each of these systems will be provided. The course includes both a lecture and laboratory component and you must receive a passing grade in both in order to pass the class as a whole. Please realize that this is a very demanding course that requires a significant amount of dedication and effort on your part – it is the first step for many of you toward your career in the allied health fields. There are many resources at your disposal for this course, and I recommend you use them all. Expect to study for this course 3 hours per day or more!

**Student Learning Outcomes**: Upon course completion the successful student will be able to:

**Demonstrate** anatomical knowledge using specimens, models, and drawings.

**Apply** anatomical knowledge by demonstrating the functional relationships of structures within each organ system.

**Integrate** anatomical knowledge with modern biomedical practices.

**Explain** the development and interrelationships among the human organ systems.

**Required Materials:**

1. SBCC Canvas Account
2. Lab Manual: available on Canvas for download (bring to every lab!)
3. Scantrons: You must purchase **3 long-form scantrons** (form 882-e) for exams and **6 quiz form scantrons** (form 815-E) from the bookstore (or elsewhere).

**Recommended/Required Materials:**

1. Tortora, G.J. & Nielsen, M.T. (2014). Principles of Human Anatomy (13th Ed.). Wiley. ISBN: 978-1-1189-9228-9\*\*

\*\*This title includes the Atlas of Human Anatomy and access to the Wiley Plus online resources (NOT required for course) when purchased in the SBCC bookstore.

\*\**You may also use the 12th edition of this text*

**Gateway Tutors**: This course is funded by the Gateway to Success program and allows us to provide tutors for each lab section. In addition, each tutor will hold 1 weekly office hour. These tutors performed extremely well in this course and are an excellent resource for you. However, please realize that the tutors are also SBCC students and, although very knowledgeable, they may not have all the answers. I am considered the final authority for the course, so please be gentle to the tutors!!

**Important Dates**:

Last day to ADD classes – January 26th

Last day to DROP without a “W” and for full refund – January 26th

Last day to DROP with a “W” – March 15th

Please note: it is your responsibility to drop the course. I am required to give you a grade if you do not drop by March 15th. Please let me know if you are dropping the course.

**Lecture Exams**: There will be 3 exams given in the course: 2 midterms and a final. All exams are cumulative and will test your knowledge on material given throughout the course. Exams will be given back to you when graded. If you wish to have the final exam returned to you, or any other graded items not previously received, you must arrange a time to pick them up from me at the end of the course otherwise they will be recycled.

**Lecture Homework:** There are 15 homework assignments for lecture (1 per week). These assignments will be completed using the Canvas course website. The homework will not have a time limit (but is limited to 2 attempts!) and is designed to provide you with a significant review/preview of the lecture material throughout the term. Please be aware that lecture homework may cover material prior to being addressed in lecture. *You are responsible for completing the lecture homework by the due date – no late assignments will be accepted.* ***SEE DUE DATES ON SCHEDULE.***

**Warm-Up Quizzes (WUQs)**: In order to “warm-up your brains” for the exams we will have several warm-up quizzes (except exam weeks) in lecture. The WUQs will be given at any time during lecture (as determined by me), so come to class and be on time! Although we will have 6 WUQs total, only 5 will be counted toward your final grade and the lowest score will be dropped. NO MAKE-UPS will be allowed for WUQs. Parking is sometimes a hassle, so make sure you arrive early enough as to not miss a WUQ and other important announcements at the beginning of each class.

**Lab Quizzes**: Lab quizzes will be given at the BEGINNING of each lab section and each quiz will be cumulative in nature. **If you are late, you will not have the opportunity to take the quiz** and must wait until all students have completed the quiz before you are allowed to enter the lab – don’t be late!! We will have 11 lab quizzes, with the lowest grade dropped. If you miss a lab quiz for any reason, this will be counted as your dropped score. In addition, you will have the opportunity to earn **2 bonus points** toward your quiz grades at the end of your section. This extra credit is available only to students in attendance (and who have been present for the entirety of the lab), and will cover material from **that day’s** lab section. Please note that lab quizzes are graded for accuracy, which includes proper spelling (see ‘Study Tips and Grading Information’ in lab manual for more info).

**Lab Homework**: There are 11 homework assignments for laboratory. These assignments will be completed using the Canvas course website. The homework will not have a time limit (but is limited to 2 attempts!) and is designed to provide you with a significant review of the lab material throughout the term. *You are responsible for completing the lab homework before the due date – no late assignments will be accepted.* ***SEE DUE DATES ON SCHEDULE***

**Lab Final**: There will be a cumulative lab final given during the last week of classes. **NO MAKE-UPS** will be allowed for this exam under any circumstances – if you believe you cannot make the lab final, you should reconsider taking the course at this time.

**“Selfie” and bio assignment**: For your first assignment, you should post an image of yourself on canvas along with a short biography. For credit, please include an image of yourself that is clearly visible and shows your face well (you can use your SBCC ID image if it is good quality). For your bio, please tell me a bit about you – where you’re from, your academic/career goals, and/or your passions. To upload an image and bio to canvas, click the account logo on the Canvas homepage. From there, click ‘profile’ and then click ‘edit profile’ in the upper righthand corner to upload your bio and image. This **assignment must be completed by the 3rd week of class. If you prefer not to post your selfie/bio, you may also email it to me by week 3. NO LATE BIOS ACCEPTED.**

**Grading**: Here is the breakdown of points for each grading component:

1. “Selfie” and bio assignment 5 points
2. \*Lab Homework (11 @ 5pts) 55 points
3. Lab Quizzes (11 @ 20pts, lowest dropped) 200 points
4. Lab Final 50 points
5. \*Lecture Homework (15 @ 5pts) 75 points
6. Warm Up Quizzes (6 @ 15pts, lowest dropped) 75 points
7. Exam 1 100 points
8. Exam 2 (cumulative) 100 points
9. Final Exam (cumulative) 140 points

**TOTAL ≈ 800 points**

**\*The Lecture and Lab Homework are available through the Canvas course site (accessed via pipeline). All due dates are listed below and online – no late assignments will be accepted.**

**Grading Scale**:

100-97% = A+

96.5-93% = A

92.5-90% = A-

89.5-87% = B+

86.5-83% = B

82.5-80% = B-

79.5-77% = C+

76.5-70% = C

69.5-67% = D+

66.5-63% = D

62.5-60% = D-

59.5% and below = F

**Make-Up Policy**: No make-ups will be allowed for quizzes/exams except in cases of death/illness of a family member, personal illness, or other exceptional circumstances. Written medical documentation must be provided in order to obtain any alternate scheduling. If a make-up is granted, you must complete the exam within 1 week of the original date. In addition, the exam format may be altered (e.g. essay instead of multiple choice). Normal medical (or other) appointments or vacation plans will not qualify as excused absences, so do not schedule anything that will conflict with the course schedule. If other personal emergencies arise, it is your responsibility to contact me **BEFORE** missing an exam/quiz, and make-ups will be granted only with my consent.

**Extra Credit**: No extra credit will be given for this course. However, you will find that there will often be opportunities to earn extra points on quizzes and exams.

**Switching Lab Sections**: Switching lab sections is not allowed unless you obtain **ADVANCED** consent from me (at least 24 hours before your regularly scheduled section) and can only be done ONCE per semester. Please plan ahead and do not make this an issue.

**Open Lab**: Each **Friday from 2:30-5pm** we will offer “open lab” times for all students. Several tutors will be available during this time and I strongly suggest you attend every week to maximize your time in the lab.

**Accommodations for Students with Disabilities:**

Disabled Student Programs and Services (DSPS) coordinates all academic accommodations for students with documented disabilities at Santa Barbara City College. If you have, or think you might have, a disability that impacts your educational experience in this class please contact DSPS to determine your eligibility for accommodations. DSPS is located in the Student Services (SS) Building, Room 162.  Their phone number is [805-730-4164](tel:805-730-4164). If you are already registered with DSPS please submit your accommodation requests via the ***‘DSPS Online Services Student Portal’*** as soon as possible.  Once submitted and confirmed please visit with me about your specific accommodations. **Please complete this process in a timely manner to allow adequate time to provide accommodation.**

**Class Conduct and Behavior Guidelines**

* **Do not interrupt or talk over me during lecture/laboratory**. If you disrupt me/class in any way you will first be given a verbal warning by name. The second time you disrupt class, you will be called out by name and asked to leave the class. If you continue to disrupt class, you will be asked to leave class and will not be allowed to return until you meet with the Dean of Educational Programs and myself and meet all stipulations required for return.
* **Rudeness** – if you have a question, raise your hand; if you have an issue, discuss this with me in private; blurting out questions or complaints will not be tolerated. Also, please refer to me if other students are being disruptive during class and adversely affecting your learning experience.
* **Cheating** – not only will cheaters be dealt the harshest punishment possible (by myself and the college administration), anyone found to be aiding others in cheating will receive the same punishment.
* **Conflicts between students are unacceptable** – if you can’t work together, you may be asked to leave the class and must meet with me (and likely the Dean of Educational Programs) before you are allowed to return (if at all).
* **Cell Phones**: During lecture, please refrain from text messaging, emailing, or any other activity that will distract you from participating in class. I will give you periodic “texting breaks” so you can get your “fix!” Cell phones are not permitted in the laboratory classroom (EBS 312) or the cadaver lab (EBS 311) at any time (see below for more information). If you violate this policy, I reserve the right to confiscate your phone (or laptop/tablet). You may then be required to develop a behavioral contract with me and write a **5-page paper** detailing how you will not violate this policy again in the future. You may also be subject to additional consequences (see below).
* **Do not email with questions that can easily be answered by looking at the syllabus** **or Canvas** – I will not return such emails
* **Email**: All communication via email should be done through your SBCC email address only. This will ensure YOUR privacy. I will not respond to emails from other email accounts. Also, if you choose not to use your pipeline email account, you must set up your SBCC account to forward to your other email account(s). It is YOUR responsibility to check your email on a regular-basis for class announcements.
* **Lateness to Lecture**: Parking on campus is very challenging at times, so please allow yourself plenty of time to park so you are not late to class. If you are late to lecture it is very disruptive to me and the other students. If you are late on a regular-basis I reserve the right to drop you from the course. **Lateness to Lab:** See “Lab Quizzes” sections. This course is in very high demand and there is often a lengthy waitlist to add the course. Therefore, if students miss lab and/or lecture (without contacting me) within the first 3 weeks, I reserve the right to drop you from the course**.**
* **Cadaver Lab Rules**: As a part of the *Willed-Body Program*, all of our human specimens have been donated with the expectation that we will maintain their total anonymity. It is imperative we treat the cadavers and specimens with the highest measure of respect – these donations have been made to facilitate your ability to learn and our ability to teach. While in the cadaver lab or associated classroom (EBS 312), you must follow the regulations below at all times. Failure to do so may result in expulsion from the class and possible criminal prosecution:

1. NO CELL PHONES, LAPTOPS, OR TABLET COMPUTERS IN THE CADAVER LAB/EBS 312
2. NO CAMERAS/PHOTOGRAPHIC DEVICES IN THE CADAVER LAB/EBS 312
3. PLEASE BE VERY GENTLE WITH THE CADAVERS/SPECIMENS, DELICATE STRUCTURES CAN BE DAMAGED IF CARE IS NOT TAKEN.

* **THIS IS NOT HIGH SCHOOL!** If you cannot handle sitting through lecture/lab without breaking any of the guidelines listed above, you are not ready for this course and you should pursue other options.

**Quick Notes:**

1. Although you receive one combined course grade (i.e., lecture and lab), if you fail the lab or lecture portion, or fail to complete assignments/exams, you will fail the course.
2. If you have questions, please refer to this syllabus (and/or Canvas) first. Often, the information you are looking for is already available to you.
3. The final exam is a college requirement – you cannot pass the course without taking the final exam. Make sure you coordinate your schedule around the final now, as no special accommodations will be made.

**BMS 107 Schedule – Tuesday Night Lecture: Subject to Change**

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| --- | --- | --- | --- | --- | --- | --- |
| **DATE:**  **(week of)** | **LECTURE TOPIC** | **CHAPTER**  **READINGS** | **Online Lect**  **Homework**  **Due Date\*** | **LABORATORY** | **Online Lab Homework**  **Due Date#** | **LAB QUIZ** |
| 1/14 | Intro  The Cell | 1, 2, 3 | 1/20 (1) | Terminology  Appendicular Skeleton | ---- | ---- |
| 1/21 | The Cell (cont.)  Tissue | 5, 6 | 1/27 (2) | Appendicular Skeleton  Axial Skeleton I | 1/22 (1) | LAB QUIZ 1  (with terms) |
| 1/28 | Tissue (cont.)  Integumentary System | 9 | 2/3 (3) | Axial Skeleton I/II | 1/29 (2) | LAB QUIZ 2 |
| 2/4 | Integumentary System (cont.)  Bone Tissue | 10 | 2/10 (4) | Axial Muscles  (Fri lab also does Upper App Muscles I) | 2/5 (3) | LAB QUIZ 3 |
| 2/11 | Joints | REVIEW | 2/17 (5) | Upper App. Muscles  (No Fri Lab) | 2/12 (4) | ---- |
| 2/18 | ***EXAM 1 (2/19)***  Muscle Tissue | 16, 17 | 2/24 (6) | Upper App Muscles | ---- | LAB QUIZ 4 |
| 2/25 | Muscle Tissue (cont.)  Nervous Tissue | 18 | 3/3 (7) | Heart | 2/26 (5) | LAB QUIZ 5 |
| 3/4 | Nervous Tissue (cont.);  CNS – Spinal Cord | 19, 22 | 3/10 (8) | Blood Vessels | 3/5 (6) | LAB QUIZ 6 |
| 3/11 | CNS – Brain | 12, 13 | 3/17 (9) | Nervous System | 3/12 (7) | LAB QUIZ 7 |
| 3/18 | Autonomic Nervous System;  Endocrine System | 14 | 3/24 (10) | Lower App Muscles | 3/19 (8) | LAB QUIZ 8 |
| 3/25 | ***SPRING BREAK!!!*** | | | | | |
| 4/1 | ***EXAM 2 (cumulative)***  CV Systems: Blood | 23, 24 | 3/31 (11) | Lower App Muscles | ---- | ---- |
| 4/8 | CV Systems: Heart;  CV Systems: Vessels and Circ. | 24 | 4/7 (12) | Respiratory and Digestive Systems | 4/9 (9) | LAB QUIZ 9 |
| 4/15 | CV Systems: Vessels and Circ. (cont.);  Respiratory System | 25 | 4/14 (13) | Urinary and Reproductive Systems | 4/16 (10) | LAB QUIZ 10 |
| 4/22 | Digestive System  Urinary System (study on own) | 26 | 4/21 (14) | Review for Lab Final | 4/23 (11) | LAB QUIZ 11 |
| 4/29 | Reproductive Systems | REVIEW | 4/28 (15) | ***LAB FINAL***  ***(cumulative)*** | | |
| 5/6 | ***FINAL EXAM (cumulative)***  Tuesday, May 7th: 6-8pm, EBS 309 | | | | | |

***\*# Lecture and Lab Homework assignments are due by 11:59pm on their respective due dates (Lecture = Sundays, Lab = Tuesdays)***

***\*\*NO LATE ONLINE ASSIGNMENTS WILL BE ACCEPTED – IT IS YOUR RESPONSIBILITY TO USE A RELIABLE COMPUTER WITH A WORKING INTERNET CONNECTION.***

**Some things to get started with for BMS 107:**

1. ***Print lab manual – you’ll use it week 1***
2. ***Study terms in lab 1, structures in lab 2***
3. ***Read chapters 1, 2, 3 in textbook***
4. ***Set reminders for homework due dates***