HUMAN ANATOMY & PHYSIOLOGY BI 232 – SPRING 2020

INSTRUCTOR: Steven Skarda CLASS: Will Be Online

PHONE: Do Not leave message LAB: Online when possible – worksheets/activities

E-MAIL: [skardas@linnbenton.edu](mailto:skardas@linnbenton.edu) Class Website: [MOODLE](https://moodle.linnbenton.edu/course/view.php?id=6128)

COURSE DESCRIPTION: BI 232, is part of a three-term sequence intended for those entering the health profession. This course has a prerequisite of BI231.

BI 232 covers the Nervous system, Special senses, Endocrine system, Blood and Heart.

Activities include: lecture, lab work, homework, on-line activities and case studies. Quizzes and exams may be a combination of short-answer, essay, and multiple-choice. Some questions test your memory, while others require an application of knowledge to unique situations. This course is much more than learning a series of facts and concepts. You need to apply your knowledge, use critical thinking and problem solving. This may require you to develop new learning strategies, so it is part of the class goal is to facilitate the development of these skills.

After successful completion of BI 232 with a “C” or better, you should be able to:

1. Demonstrate knowledge of nervous, endocrine, and cardiovascular system structure and be able to relate it to its function.
2. Use appropriate terminology to communicate info related to anatomy & physiology.
3. Recognize the interrelationships between and within physiological systems.
4. Recognize the principles of homeostasis in a physiological system.
5. Evaluate case-based scenarios effectively using knowledge of anatomy and physiology.

REQUIRED TEXT: Marieb, Human Anatomy and Physiology, 11th ed. WITH REGISTRATION

BI 232 Study Packet – Order with free delivery from the LBCC Bookstore

Grading: Points are a combination of activities. Tentative point distribution:

Exams 2 @ 50 questions each 200 pts.

Quizzes 7 @ 12 questions each 84 pts.

CNS Quiz (20) & Heart Quiz (10) 30 pts

Final Exam 100 pts

Mastering Assignments/Labs 100 pts

514 pts

Course grade will be based on the following;

90 – 100% = A 60 - 69 % = D

80 – 89 % = B < 60% = F

70 - 79% = C

**Home Work and Quizzes and Exams**

Homework is posted on MOODLE and Mastering A&P. Homework is due weekly by Monday morning 9 am Pacific time. No excuse for late submission will be accepted, short of a medical emergency or the like – USE YOUR TIME WISELY.

Homework on Mastering is graded, based on an average accuracy of no less than 75% per assignment (for ex., if you got an assignment score of 78% correct, you get full credit for that assignment). Mastering allows you to save half-way through, and to complete and submit the assignment several times (so, if you did poorly the first time, you can do it again to improve your skills and raise your average score so as to obtain full credit).

Quizzes (Exams) are on Mastering A&P, along with the homework. However, quizzes can be completed only once and your score is your class grade. The deadline for each quiz is given in the quiz instructions on Mastering. Again, no excuse for late submission, short of a medical emergency or the like. There are no make-up exams. Any special arrangements for exams or submitting assignments will be made entirely at the instructor’s discretion.

**ONLINE CLASS**

Being that this is my first completely online class, and this may be your first online science class we need to be patient, understanding and helpful to each other.

I start with the assumption that you are in this class because you **want to learn**. The material in class will be important as you move into your professional program and career. Yes, there are more opportunities to cheat in online courses, but that shows you value a grade more than your dignity, self-respect and future profession. So let us rise to the occasion and be a professional.

Many students hear about online courses and think they sound easy. After all, they involve completing a course in the comfort of your home and time. However, they are rarely easier and [**often require far more discipline and commitment**](https://www.apa.org/gradpsych/2009/11/e-learn.aspx) than offline courses. There is already a lot of reading in college, online rely much more on reading and comprehension skills.

Lectures in this online format will incorporate a mixture of videos (my lecture videos and supplemental videos to add dimension and detail to the topics), activities, assignments and written work. Being thorough and self-motivated is essential to success in academia in general, but particularly necessary for online courses. I encourage you to use your course calendar (at the end of the syllabus) to identify the topics that we will focus on during class and scan the appropriate material in the lecture notes, study guide, or textbook before class.

**MOODLE & MASTERING A&P**

Moodle is the primary means for communication & success. Lecture material, announcements, assignments and accessing resources through Mastering A&P will be available on Moodle. It is YOUR responsibility to establish access to the class Moodle site and update their email address to ensure they receive any correspondence. It is advised that students log on to Moodle regularly to receive updates and course details.

# CLASS ATTENDANCE

**Do NOT ask me to “round-up” your grade, consider your “special circumstance(s)” (unless backed by LBCC policies), or offer you additional extra credit to boost your grade.**

If you are worried about your grade, **be proactive** and come to my office for help and/or use any available resource to help you achieve the grade you want. Simply sending your instructor an email does not then make it my responsibility to follow-up with you as the student.

# **Study Suggestions**

**There are many study strategies** that can help you be successful in this class. These include the following: **Rewrite class notes** each day so you can gauge your understanding and ask questions on material you do not understand the next class, **keep up** with the information presented in class by **reviewing** a little each day, **reading your textbook** when there are areas that we have covered in class that are unclear to you, and **turning** **assigned work in on time**.

**Normally we encourage students to form study groups, however clearly this term face-to-face meetings will not be possible.** However, that does not mean that you cannot have useful interactions with fellow students & myself via our class Moodle page. It is important for you to find out what you are clear on and what you don’t understand before a quiz or exam: the virtual interactions online will help you to do this in a non-threatening environment. If you are able to distribute your effort out over the entire term, rather than having to "cram" for exams you will learn better. You will find that every topic is connected to those that precede and follow. If you study and understand each topic as you go, you will have a firmer foundation for learning what comes next. More importantly, studying regularly helps you learn better.

**LEARNING ENVIRONMENT**

Netiquette: In an online classroom, our primary means of communication is written. The writing has many advantages: more opportunity for reasoned thought, more ability to go in-depth, and more time to think through an issue before posting a comment. However, written communication has certain disadvantages, such a lack of body language, intonation, facial expressions, and gestures. As a result, please be aware of the possibility of miscommunication and compose your comments in a positive, supportive, and constructive manner.

Course Policies Expectations of students:

* I expect you to keep up with the material covered every week.
* Complete your homework and quizzes on time every week.
* Produce homework, activities and quizzes/exams reflecting your own work and submitted on time.
* Participate actively and courteously in the forums.
* Abide by the standards of academic honesty and student code of conduct.
* Seek help (instructor, homework forums, Mastering A&P Student Study Area) when you don’t understand a topic.
* Aspire to enjoy learning Anatomy & Physiology – yes you can and I’ll do my best to help!

Expectations of the instructor: You can expect me to;

* Provide comprehensive learning material on time every week.
* Provide an ongoing help forum, check it at least three times a week and respond to student postings.
* Create quizzes and exams that reflect the learning outcomes for the course.
* Show you how important Anatomy and Physiology is by using real examples.

### **STUDENT BEHAVIOR**: Although collaboration is important in learning, ultimately each student is responsible for demonstrating individual ability. Cheating on exams and copying homework/lab activity reports will result in a zero for that activity and may result in further disciplinary action. Code of Conduct All participants in the course are bound by the Linn-Benton Community College [**Students' Rights Responsibilities and Conduct**](https://ousearch.omniupdate.com/texis/search/redir.html?query=code+of+conduct&pr=linn-benton&prox=page&rorder=500&rprox=750&rdfreq=500&rwfreq=750&rlead=750&rdepth=31&sufs=0&order=r&bestbet=conduct&groups=Default&u=https%3A//www.linnbenton.edu/current-students/administration-information/policies/students-rights-responsibilities-and-conduct.php)**.**

If you have documented your disability, remember that you must make your request for accommodations through the Center for Accessibility Resources (CFAR) [**Online Services webpage**](https://cascade.accessiblelearning.com/LBCC/) every term in order to receive accommodations. If you believe you may need accommodations but are not yet registered with CFAR, please visit the [**CFAR Website**](https://www.linnbenton.edu/cfar) for steps on how to apply for services or call [**(541) 917-4789**](tel:5419174789).

The LBCC community is enriched by diversity. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill. We actively support this right regardless of race, creed, color, gender, sexual orientation, and as otherwise noted in Board policy.  (related to Board Policy #1015)

**BI 232 Anatomy & Physiology – Tentative Schedule of Events\*[[1]](#footnote-1)**

**Week 1** CH 11 – Fundamentals of the Nervous System

**April 6 *Lab*** Neurophysiology

Mastering Quiz 1

**Week 2** CH 12 – Central Nervous System

**April 13** ***Lab*** Brain Anatomy

Mastering Quiz 2

**Week 3 CNS Quiz**  Mastering (20 pts)

**April 20** CH 13 – Peripheral Nervous System

CH 14 – Autonomic Nervous System

***Lab*** Spinal Cord & Reflexes / General Senses

Mastering Quiz 3

**Week 4** Start CH 15 – Special Senses

**April 27 *Lab*** Sight & Hearing

**Exam 1 Mastering**

**Week 5** More Special Senses

**May 4 *Lab*** Endocrine Disorders

Mastering Quiz 4

**Week 6** CH 16 – Endocrine System

**May 11 *Lab*** Endocrine Order/Disorder

Mastering Quiz 5

**Week 7 Endocrine Talk**

**May 18** Mastering Quiz 6

**Week 8** CH 17 - Blood

**May 25 *Lab*** Blood

**Exam 2 Mastering**

**Week 9** CH 18 – Cardiovascular System: The Heart

**June 1** Mastering Quiz 7

**Week 10** Electrical and mechanical cycle of the heart.

**June 8 Comprehensive Final Exam at the end of this week**

1. This is a tentative schedule of class events and is subject to change – attend class to keep current! [↑](#footnote-ref-1)