**Biology 2402 Syllabus**

Human Anatomy and Physiology II

**Spring 2022 Section 002**

**Instructor: Susan Horn, M.S.**



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**Part 1: Contact Information**

**Instructor: Susan Horn, M.S.**

Email: shorn@southplainscollege.edu Phone: (806) 716-2638 Office: Room 147

**Class Times:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Monday | Tuesday | Wednesday | Thursday | Friday |
|   | 9:30-12:001:00-3:30 | 6:00 – 8:30 | 9:30-12:001:00 – 3:30  |  |

**Office Hours:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Monday | Tuesday | Wednesday | Thursday | Friday |
| 1:00-3:00 | 3:30-4:30 | 3:30-6:00 | 3:30-4:00 | 1:00 – 3:00 |

\*For office hours, **let me know if you plan on attending,** if possible. If none of the times listed above work for you, send me an email to arrange a different time. If you are unable to meet in person, we can plan to meet through Zoom or communicate by phone.

**Communication:**

For this course, I will communicate mostly through **Blackboard announcements**. I may also send individual emails to your **SPC email address** (outside of Blackboard). It is imperative that students check their SPC email and Blackboard announcements regularlythroughout the week. It is the student’s responsibility to contact the instructor regarding any questions or concerns they have related to the course. The best way to contact me is through my SPC email address (not through messages on Blackboard).

**Covid-19 Statement:**

If you are **experiencing any of the following symptoms** please do not attend class and either seek medical attention or get tested for COVID-19.

* Cough, shortness of breath, difficulty breathing
* Fever or chills
* Muscles or body aches
* Vomiting or diarrhea
* New loss of taste and smell

Please also notify **DeEtte Edens**, BSN, RN, Associate Director of Health & Wellness, at dedens@southplainscollege.edu or 806-716-2376. Consistent with the latest CDC recommendations, the college has revised their guidance for students, faculty, and staff who have a known exposure or have tested positive.

Any individual who has a **positive COVID-19 test** should contact **DeEtte** **Edens** **and their faculty** immediately. Anyone who tests positive is required to self-isolate for five days.  Following the five-day isolation period, if you are asymptomatic or your symptoms are resolving, you may return to work or class but should wear a mask for five additional days.  If you are still symptomatic, please contact DeEtte Edens prior to your return date.

Anyone with a **known exposure** should wear a mask for 10 days and should seek a COVID-19 test on day five after exposure.  If you test positive or develop symptoms, you should immediately self-isolate and seek a COVID-19 test.

Please refer to the SPC COVID Response page for the latest information and policies in place at South Plains College: <https://www.southplainscollege.edu/emergency/covid19-faq.php>.

\*If needed, this course may change to a flex or online class, in response to COVID-19 safety requirements.

**Part 2: Course Information and Course Materials**

**Course Description:**

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: cardiovascular, immune, lymphatic, respiratory, digestive, urinary, reproductive, and endocrine. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Students must be **TSI complete in Reading, Writing, and Math** before taking this class. Students must also **complete BIOL 2401** with a D or better. However, it is highly recommended that students complete BIOL 2401 with a C or better before taking BIOL 2402.

**Purpose and Objectives:**

To provide a general understanding of human anatomy and physiology for those students in the allied health fields and to meet requirements for an Associate of Arts Degree or Associate in Science Degree.

1. To help the students acquire knowledge of normal development, structures, and functions of the human body

2. To provide a foundation for understanding deviations from the normal in physiological function

3. To provide a foundation for the undergraduate college and university student

**Required Materials:**

* **Five** red, 100 question-Scantrons (**Form No. 29240**). Scantrons can be purchased at any campus bookstore.
* **Computer with reliable internet service and access to Blackboard**

Students are not required to purchase their own computer but **must have access to one** that meets the specifications for this course. There are **computer labs available** for student use on all campuses: Levelland (**Technology Center**), Reese (**Building 8**), Lubbock, and Plainview. Students can also checkout Chromebooks from the Levelland library. Students are expected to log in to Blackboard weekly. **A student that does not have access to a working computer will not be an acceptable excuse for the inability to receive course content.** For more information about computer system requirements and additional links to software downloads for your computer, click on the following link on the SPC Instructional Technology webpage:

<http://www.southplainscollege.edu/instructional-technology/students/System.php>

**Recommended Materials:**

* **Anatomy and Physiology Textbook**

The textbook I will be using for this class is Human Anatomy and Physiology by Elaine Marieb 11th edition. However, any A&P textbook from the last 5-6 years will still work well.

* **Printouts of Lecture and Lab Material**

All content will be available on Blackboard. Students can print out Power Point lecture slides, Review handouts, Lab handouts, etc… **All students have printing credit** to use throughout the semester.

* **Computer Webcam/ Download Chrome and Proctorio Extension**

Lecture exams and lab practicals are planned to be given in person, but will be moved to an online format if required. When taking the exam online, students will be required to use webcam proctoring software called Proctorio.

**Part 3: Attendance and Grading Policies**

**Attendance Policy:**

The class will be taught in a flex format. Most lecture content will be delivered online, and lab will be delivered in person. Each week, we will be meeting in person on Wednesday evenings to study the lab models. There will also be a chance to review any topics from the lecture notes. Throughout the week, you will work at your own paceto learn the information presented within the lecture notes and videos posted on Blackboard. If the course were held with the traditional face-to-face format, you would receive the same information in person. Additionally, students will complete weekly lecture quizzes online. During exams days, **attendance will be mandatory**. During non-exam days, **attendance is encouraged, but will not be mandatory**. Lab videos and review material will be posted on Blackboard covering the material we discuss in class each week. If you would prefer, you can watch those videos on your own. You can also arrange to study the lab models at a different time.

If a student cannot attend class in person because of Covid-19 related reasons, they will still be required to stay up-to-date in the class. You will need to watch the lecture and lab videos on your own and complete the online quizzes by their due dates. If the illness is more severe, you will need to submit a note from your doctor or hospital indicating the severity of the illness.

If you decide it will be best to drop the course, **the last day to drop a course with a “W” is Thursday April 28, 2022.** Students need to submit the drop form to the administration office either in person or online**.** I will **not drop a student administratively for non-attendance**. If you decide to stop attending class, and do not submit a drop form by the deadline, you will receive an “F” at the end of the class. It is your responsibility to take the proper action to have this course dropped from your schedule. If you are **receiving financial aid**, be sure to visit with your financial aid advisor to determine how dropping this course will affect your present and future financial aid eligibility.

**Exams and Grades:**

Grades will be posted throughout the semester on **Blackboard**. Your final grade will be determined from the lecture exams, lab practicals, and lecture quizzes using the following scale:

A= 89.50 – 100.00% B= 79.50 – 89.49% C= 69.50 – 79.49% D= 59.50 – 69.49% F= 0.00 – 59.49%

**Total Grade Calculation**= (Lecture Exam average)**.7** + (Lab Practical average)**.25** + (Lecture Quiz average)**.05**

* **Lecture Exams (70%)-** Five lecture exams will be given throughout the course. These exams will consist of **multiple-choice, multiple-answer, matching, true-false, and/or sequence types of questions**. The 5th exam (final) is not cumulative and will be taken during finals week. Lecture Exams **cannot be made up**, except for a covid-related absence. However, the **lowest exam grade** will be dropped when calculating the lecture exam average.
* **Lab Practicals (25%)-** Five practical exams will be given throughout the course. You will need to identify **structures** using the laboratory models. The practicals will consist of **fill-in-the-blank questions**. The lab practicals will occur on the same day as the lecture exams. The 5th lab practical is not cumulative and will be taken during finals week. Lab Practicals **cannot be made up**, except for a covid-related absence. However, the **lowest practical grade** will be dropped when calculating the lab practical average.
* **Lecture Quizzes (5%)-** Weekly lecture quizzes will be completed on Blackboard. They will be available throughout the week and due on the assigned dates by 11:59pm. The questions will consist of **multiple-choice, multiple-answer, and true-false types of questions.** Students must answer questions on their own but are **allowed to use their notes** or other resources to complete the quizzes. Quizzes **cannot be made up**; however, the **2** **lowest quiz grades** will be dropped when calculating the lecture quiz average.

\***The lecture exams and practicals are CLOSED book.** The use of lecture notes, review sheets, the textbook and/or atlas, the internet or working with another student or non-student during the exam constitutes cheating.

**Dropped Exam Policy:**

The lowest lecture exam and lab practical scores will be dropped from Blackboard starting after the 2nd exam. Students will need to complete all lecture exam and lab practicals unless they are unable to attend class. Students will not be allowed to make up a lecture exam or lab practical, regardless of the reason for absence. An exception will be for Covid-related reasons. If you miss an exam, you will receive a score of “0”. However, that grade will be dropped and your overall grade will not be affected. If you miss an exam, keep in touch, and let me know by email or phone.

If a student misses an exam due to a covid-related reason, they can opt to take a “0” for the exam or schedule a make up exam. They will need to contact De-Ette Edens, RN. She will verify your positive Covid test or exposure. Based on your circumstances, we will coordinate a time to make up the exam.

**Academic Dishonesty:**

Students are expected to abide by the code of “Student Conduct” that can be found in the 2021-2022 SPC General Catalog. Students are expected to do their own work on all assignments and examinations. **Cheating in any form is inexcusable** and will result in serious consequences, including, but not limited to being dropped from the class with an “F”. Academic dishonesty will be subject to the maximum penalties allowed by College policy.

Cheating violations include, but are not limited to, the following:

1. Obtaining an exam or discovering the content of an exam before it is given
2. Sharing information about the exam to another student
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an exam
4. Copying another’s work during an exam or on a homework assignment
5. Taking pictures of an exam, exam answers, or someone else’s paper

**Spring 2022 Schedule**

\*Lecture Quizzes are due by **11:59 pm** on the due date

*In-person activities are shown in italics* &**In-person exams are shown in bold**

**Week Assignment Date**

1 *Syllabus and Course Information, Heart Lab Terms Wed. Jan 19*

Watch Heart (Ch 18) Lecture Videos Thurs. Jan 20 – Tues. Jan 25

\*Heart (Ch 18) Lecture Quizzes Due Tues. Jan 25

2 *Heart Lab Terms* *Wed. Jan 26*

 Watch Heart & Blood Vessels (Ch 18, 19) Lecture Videos Thurs. Jan 27 – Tues. Feb 1

 \*Heart & Blood Vessels (Ch 18, 19) Lecture Quizzes Due Tues. Feb. 1

3 *Heart Lab Terms* *Wed. Feb 2*

 Watch Blood Vessels (Ch 19) Lecture Videos Thurs. Feb 3 – Tues. Feb 8

 \*Blood Vessels (Ch 19) Lecture Quizzes Due Tues. Feb 8

4 **Lecture Exam 1 (Ch 18, 19) & Lab Practical 1 (The Heart) Wed. Feb 9**

4 Watch Blood (Ch 17) Lecture Videos Thurs. Feb 10 – Tues. Feb 15

 \*Blood (Ch 17) Lecture Quizzes Due Tues. Feb 15

5 *Blood Vessel Lab Terms Wed. Feb 16*

Watch Lymphatic, and Immune (Ch 20, 21) Lecture Videos Thurs. Feb 17 – Tues. Feb 22

 \*Lymphatic and Immune Systems (Ch 20, 21) Lecture Quizzes Due Tues. Feb 22

6 *Blood Vessel Lab Terms Wed. Feb 23*

 Watch Immune System (Ch 21) Lecture Videos Thurs. Feb 24 – Tues. Mar 1

 \*Immune System (Ch 21) Lecture Quiz Due Tues. Mar 1

7 **Lecture Exam 2 (Ch 17, 20, 21) & Lab Practical 2 (Blood Vessels) Wed. Mar 2**

7 Watch Respiratory System (Ch 22) Lecture Videos Thurs. Mar 3 – Tues. Mar 8

 \*Respiratory System (Ch 22) Lecture Quizzes Due Tues. Mar 8

8 *Respiratory & Digestive Lab Terms Wed. Mar 9*

 Watch Respiratory & Digestive (Ch 22, 23) Lecture Videos Thurs. Mar 10 – Tues. Mar 22

 \*Respiratory & Digestive Systems (Ch 22, 23) Lecture Quizzes Due Tues. Mar 22

9 *Digestive System Lab Terms Wed. Mar 23*

Watch Digestive (Ch 23) Lecture Videos Thurs. Mar 24 – Tues. Mar 29

 \*Digestive System (Ch 23) Lecture Quizzes Due Tues. Mar 29

10 **Lecture Exam 3 (Ch 22, 23) & Practical 3 (Respiratory & Digestive) Wed. Mar 30**

10 Watch Urinary System (Ch 25) Lecture Videos Thurs. Mar 31 – Tues. Apr 5

 \*Urinary System (Ch 25) Lecture Quizzes Due Tues. Apr 5

11 *Urinary System Lab Terms Wed. Apr 6*

 Watch Urinary System (Ch 25) Lecture Videos Thurs. Apr 7 – Tues. Apr 12

 \*Urinary System (Ch 25) Lecture Quizzes Due Tues. Apr 12

12 *Urinary System Lab Terms Wed. Apr 13*

 Watch Balance (Ch 26) Lecture Videos Thurs. Apr 14 – Tues. Apr 19

 \*Balance (Ch 26) Lecture Quizzes Due Tues. Apr 19

13 **Lecture Exam 4 (Ch 25, 26) & Practical 4 (Urinary) Wed. Apr 20**

(Schedule continued onto next page)

**Week Assignment Date**

13 Watch Reproductive System (Ch 27) Lecture Videos Thurs. Apr 21 – Tues. Apr 26

 \*Reproductive System (Ch 27) Lecture Quizzes Due Tues. Apr 26

14 *Reproductive System Lab Terms Wed. Apr 27*

 Watch Reproductive & Endocrine (Ch 27, 16) Lecture Videos Thurs. Apr 28 – Tues. May 3

 \*Reproductive & Endocrine (Ch 27, 16) Lecture Quizzes Due Tues. May 3

15 *Reproductive and Endocrine Lab Terms Wed. May 4*

 Watch Endocrine System (Ch 16) Lecture Videos Thurs. May 5 – Tues. May 10

 \*Endocrine System (Ch 16) Lecture Quiz Due Tues. May 10

16 **Lecture Exam 5 (Ch 27, 16) & Practical 5 (Reproductive & Endocrine) Wed. May 11**

##### The instructor reserves the right to make changes to this schedule as necessary.

***Other Important Dates:***

February 2 - Last day to withdraw, without it showing on your transcript

February 7 - Last day to receive 70% refund

February 14 - Last day to receive 25% refund

March 14-18 - Spring Break **(No Class)**

April 15 – Easter Break **(SPC Facilities Closed)**

April 28 - Last day to withdraw with a ‘W’ on your transcript

May 9-12 - Final Exams Week

May 16- Final Grades Due

**Part 4: Technology Help**

**Computer Problems or Blackboard Server Problems:**

If a student’s internet connection goes down, or a student’s computer crashes or otherwise becomes inoperable for blackboard, **it is the responsibility of the student** to have their internet connection and/or computer repaired as soon as possible in order to avoid getting behind in the class.

* For general computer or technical Issues: Contact the **Help Desk** by emailing helpdesk@southplainscollege.edu or calling **806-716-2600**.
* For any questions or issues concerning Blackboard, you can contact **Blackboard Technical Support** through email at blackboard@southplainscollege.edu or calling **806-716-2180.**
* **Chrome is the preferred browser** for using Blackboard. (Do NOT use Internet Explorer). To learn more information about Blackboard, click on the following link on the SPC Instructional Technology webpage:

<https://www.southplainscollege.edu/instructional-technology/students/students.php>

**Student Learning Center:**

There are many new resources available for students within the Helen Devitte Jones Student Learning Center. Here are the hours of operation:

Monday-Wednesday: 7:45 am - 9:00 pm

Thursday: 7:45 am – 6:00 pm

Friday: 7:45 am – 4:00 pm

Students can print course materials and make copies within the **printing station located in Room 099** (across from the coffee bar). To reserve a **study room**, you can use this link: <https://southplainscollege.libguides.com/sciencecenter>. Or you can use the QR codes listed at each room. Students can **checkout anatomy models** to study within the learning center. See the main circulation desk for more information. There is also coffee and snacks available at the coffee bar.

**Other Helpful Tips:**

1. **Download Office 365** to your computer for free. All SPC students are able to download Microsoft Office programs to their computer using their SPC email address. Click on the following link and follow the instructions:

<https://www.microsoft.com/en-us/education/products/office>

1. **Download the Blackboard app** to your phone or tablet. This can help you see new class announcements and access course materials more easily. However, taking lecture quizzes will need to be done on a desktop computer or laptop.
2. **Download Microsoft Office apps** to your phone or tablet, especially **PowerPoint**. Sometimes the formatting of certain images gets distorted when downloading PowerPoints to your phone using the default settings (especially on iPhone). Instead, if you download a PowerPoint document from Blackboard to your phone, choose to open it through the PowerPoint app. Then the images and formatting will be preserved correctly.
3. You can **save any materials** posted on Blackboard **to your computer or device**. This can help save time when accessing the course materials throughout the week.
4. **Print multiple PowerPoint “slides” per page**. If you would like to print out the lecture notes, you can save paper and money by printing multiple slides per page. The print settings can be adjusting before clicking “print”.

**Part 5: How to be Successful in A&P**

Medicine is very detail oriented. Therefore, the **memorization of very detailed information**, as well as **comprehension of that information** is required to establish a basic knowledge of anatomy and physiology. Due to the nature of this class, there will be a large amount of material presented each week. In order to learn the material and be successful in the course, you must be prepared to spend **around 10 - 15 hours each week** (outside of class) learning and studying the course material.

**Suggestions for how to do well in A&P 2:**

1. **Make a** **schedule** for watching the lecture videos. Do not wait until Tuesday evening to watch all the lecture videos from that week. There will be too much content to learn in one sitting.
2. **Review** **your notes frequently**. Don’t wait until the day before an exam to review everything. There will be too much material covered on each exam. Additionally, you want to have studied previously in case an emergency arises a couple days before the exam.
3. As you are watching the lecture and lab videos, **pause the videos**, and see if you can re-explain out loud what was just covered. It we just finished going through a drawing or flowchart, see if you can re-create that drawing as much as you can from memory.
4. As you are reviewing the information, **write down any questions you have**. If you are unable to find the answers in the notes or textbook, send me an email with your questions or set up a time to meet. Please don’t feel like you are having to learn this material on your own.
5. **Re-watch lecture videos** or listen to the audio. Find other videos posted on **YouTube** to help explain difficult topics.
6. Complete the **chapter reviews** posted on Blackboard. Try to write the answers **in your own words** (do not just copy the lecture notes). Reviews can be completed before, during, or after each lecture. Or make flash cards for specific review questions and answers.
7. **Write your own test questions** from the lecture notes. Create a multiple-choice style question for each lecture slide or group of slides.
8. Pretend you are the teacher and **teach the lesson to yourself or fellow classmates**. Go through each slide and be sure you can explain all the information on each slide. Actually **say it out loud**. You will see how much information you truly know from memory.
9. As you are reviewing your notes, study the **hardest topics first**, and then move to easier ones.
10. When studying, **set a timer** for a specific amount of time (example: 45 minutes). Try to get as much studying done within that time period. Sometimes our **brains work better when we know there is an end-goal in sight**. It can be challenging to start on difficult and long-lasting tasks without a deadline.
11. Make the most of your time throughout the week. If you are waiting somewhere, **practice identifying lab structures** using the PowerPoint apps.
12. Set your phone on **“do-not-disturb”.** Or **turn off notifications** for your phone apps. Chances are, you already check those apps throughout the day on a regular basis. When a notification appears, we like to clear that notification away. When doing that, we can become distracted from our current task at hand.

**SPC Tutors**

Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, get to know the tutors, and view tutoring locations.

[**http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php**](http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php)

**Tutor.com**

You also have 180 FREE minutes of tutoring with tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tutor.com link on the left-hand tool bar and grab a session with a tutor. You can access tutor.com tutors during the following times:

Monday – Thursday: 8pm-8am

6pm Friday – 8am Monday morning

**Part 6: SPC General Syllabus Statements**

**Diversity Statement:** In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

**Disabilities Statement:** Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

**Non-Discrimination Statement:** South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX  79336. Phone number 806-716-2360.

**Title IX Pregnancy Accommodations Statement:** If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education.  To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness.  Once approved, notification will be sent to the student and instructors.  It is the student’s responsibility to work with the instructor to arrange accommodations.  Contact Chris Straface, Director of Health and Wellness at 806-716-2362 or email cstraface@southplainscollege.edu for assistance.

Student Code of Conduct Policy:  Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others’ behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

**Copyright Notice:** All material presented by the instructor in the course is copyright protected. The material presented by the instructor may not be modified or altered in any way. You have permission to print out one copy of any material presented by the instructor in this course (ex. Class information sheet, course orientation, and chapter module PowerPoint Presentations or videos). The one copy must only be used for your personal educational use during this semester. The material may not be altered or modified in any way. The material may not be distributed in any way. You have permission to download the same material to your computer hard drive or other medium in order to print out the material needed. Any material downloaded may not be altered or modified in any way. The downloaded material may not be distributed in any way.

**Final Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.**