

**COURSE SYLLABUS**

**BIOL 2404-153 (4:3:2)**

**Anatomy & Physiology:**  
**Pathology**

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**BIOLOGY DEPARTMENT**

**ONLINE COURSE**

**SOUTH PLAINS COLLEGE**

**Spring 2022**

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**Personal Interests:** High-Fidelity Simulation, Community Health, Camping, Crafting, and Spending time with my family

## SOUTH PLAINS COLLEGE IMPROVES EACH STUDENT'S LIFE

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### I. GENERAL COURSE INFORMATION:

#### A. COURSE DESCRIPTION

This course will provide an in-depth introduction to basic concepts and fundamental principles of human pathophysiology for advanced undergraduate students. This course will evaluate the study of the structure and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. Content is specialized to follow the classical division between general pathology and systemic pathology. The aim of the course is to provide the student with a systematic approach for understanding disease and rational therapeutic design. Pathophysiology bridges basic science and clinical practice with an emphasis on integrated mechanistic understanding of the molecular, structural, and functional alterations in cells, tissues, and organ systems that underlie human disease.

This course is an online course meaning Blackboard will be utilized predominantly for content and communication. The student is expected to check the Blackboard course frequently (as in every day) to check for new messages,

access content, get assignment postings, take quizzes, and view changes to the calendar, schedule or content should this become necessary.

If you are having difficulty accessing or using any components of Blackboard please use the following contact information. For specific help email Amy Shriver at [ashriver@southplainscollege.edu](mailto:ashriver@southplainscollege.edu) or call 806-716-2962. For an email address that reaches everyone in the Instructional Technology department, please use [blackboard@southplainscollege.edu](mailto:blackboard@southplainscollege.edu).

## B. STUDENT LEARNING OUTCOMES

Upon successful completion of this course, students will:

1. Identify the essential features of basic disease processes.
2. Interpret the clinical manifestations of specific diseases in terms of etiology and pathogenesis.
3. Describe the relationship between normal anatomy and physiology and alterations produced by disease.
4. Recognize basic pathophysiologic concepts.
5. Describe the impact of health promotion, disease prevention, and risk reduction on selected pathologies.

## C. ACADEMIC INTEGRITY

Refer to the SPC student nursing handbook. Refer to the “Honesty Policy” located in the student handbook and appendix for examples of plagiarism. Violations of the honesty policy include cheating during testing, plagiarizing another’s work, and falsifying records will result in failure of the course.

## II. SPECIFIC COURSE/INSTRUCTOR REQUIREMENTS:

### A. TEXTBOOKS AND OTHER MATERIALS

#### **Required Resources**

**Book:** Huether, S.E., & McCance, K.L. (2020). *Understanding Pathophysiology* (7<sup>th</sup> ed.), St. Louis: Mosby. (Optional)

**Online Course:** Huether, S.E. & McCance, K.L. (2020). *Pathophysiology Online for Understanding Pathophysiology* (7<sup>th</sup> ed.), St. Louis: Mosby. (Evolve website) **ISBN: 9780323639088**

## **Recommended Resources**

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7<sup>th</sup> ed.), Washington, DC: Author.  
ISBN:9781433832161

Houghton, P., & Houghton, T. (2020). *APA: The easy way* (7<sup>nd</sup> ed.). XanEdu.  
ISBN: 9780923568962

Huether, S.E. & McCance, K.L. (2020). *Evolve Resources for Understanding Pathophysiology* (7<sup>th</sup> ed.), St. Louis: Mosby.  
Course ID: 155701\_global\_0001 (FREE WITH BOOK PURCHASE)

\*\*Text should be carried at your local bookstore but may be cheaper online at sites such as Ebay or Amazon.

## B. ASSIGNMENTS

### **Evolve Online Modules:**

This course has been developed utilizing online modules. Students need to register for the online portion of this course by going to the website through Blackboard:

It is less expensive to buy the code as a package when purchasing the textbook, rather than buying them separate online. The modules offer a variety of learning activities, which are very helpful in explaining difficult material. The modules, pretests, and module exams are found under the McCanceHuether “course content”. The modules are helpful in narrowing important pathophysiology and the text further explains the same information.

### **Blackboard Module Exams:**

Student will be required to complete each module exam listed on the class schedule for **25%** of the final grade. Module exams vary in the number of questions; however, the student will receive 1 minute per question to complete the exam. Exams are located in the Blackboard for each week. Pretests are located in the Evolve online material and are required before completion of the module exam. Module examinations will be open-book and taken from the student’s home or preferred location and are due to be completed by the dates listed on the class schedule. The student will have 1 attempt to take the test, the best score will be recorded. These exams are not to be done in groups, but individually. Once entered the student must finish the exam in one setting; if a student exits the exam it will automatically submit. It is the student’s responsibility to notify the facilitator if technical difficulty occurs during the examination immediately through SPC email or via text messaging. **Without proper notification within 24**

**hours of exam completion due date, access will not be granted and possible questions missed will not be reviewed.**

During the exam NEVER click the Back or Forward. If the screen freezes the student may try the Refresh button, or log out and immediately back into Blackboard. Let the screen resolve when saving an answer before clicking next. Exam reviews are not permitted for this course. There are no “dropped” grades or extra credit assignments in this course.

**Policy on Exam Administration:**

Exams will be administered according to the schedule set by the course facilitator documented in the course syllabus. Any changes to the exam schedule will be at the discretion of the course facilitator.

To better prepare the student for the licensure exam testing format, unit, and comprehensive exams will be administered as follows:

- Questions will be given to the student one at a time.
- The student must answer and save the answer before going to the next question.
- The student will not be allowed to return to previous questions.
- Any question not saved by the student will be marked wrong.
- There are no “dropped” grades in this course.

**Evolve Module Pretests and Learning lessons:**

The student will be required to complete Evolve module learning lessons and pretests accounting for **20%** of the final grade. Module learning lessons and pretests vary in the number of questions. The student will receive unlimited time to complete the both. The pretests are open book and are not to be done in groups, but individually. Students must finish the pretest in one sitting once entered. It is the student’s responsibility to notify the facilitator if technical difficulty occurs immediately through SPC email or via text messaging. Evolve modules will have a link on Blackboard.

**Concept Map:**

Concept mapping is a diagrammatic method of teaching and learning that allows students to conceptualize relationships between risk factors, disease process, and clinical manifestations of the disease, diagnostic procedures, and interventions for treatment of the disease process. Each student will complete one-individualized concept map accounting for **30%** of the **final course grade**. Each student will choose one topic for their concept map to develop a complete and thorough concept map of a disease process. Every student will have a different topic. Students may find the concept map assignment list, example of concept mapping, and a rubric template on Blackboard under Course Content, Concept mapping. This assignment will require for student to turn in a completed map, provide a

summary of their topic via Flipgrid resource provided by instructor. After presenting the student will be required to use Flipgrid resource to reply to fellow students. This is due by the dates listed on the class schedule to the assignment drop box located on the left-hand column of your Blackboard tool bar.

**Failure to upload the final concept map on time to the Blackboard assignment link will result in a 10 point deduction each day late up to 3 days. After three days past the due date the student will receive a zero for the assignment.** All students will complete their own map and are required to submit individual concept maps to the assignment submit tab for grading. Failure to submit individual assignments will result in a deduction. **It is the students responsibility to make sure their uploaded work is downloadable for the instructor to grade. All uploaded work needs to be in .pdf, .docx, or .ppt.**

#### **Discussion Board Forum:**

Students will be required to **complete their own discussion and reply to two other peer's discussion** questions on the board forum weekly accounting to receive full credit. This section accounts for **25%** of the final course grade. Students may find the grading rubric on Blackboard under Course Content, Discussion Board Forum module. This assignment is due by the dates listed on the class schedule. Failure to complete the discussion board by the due dates will result in a zero. There are no makeups for discussion boards as this is an interactive assignment with peers and must be completed during the assigned time frame. The student will need to follow APA format when completing weekly discussions. It is the student's responsibility to locate the discussion forum in blackboard; if a student is unable to view the forum the student should notify the course facilitator on the first day of the forum and notify information technology. **It is the students responsibility to make sure their uploaded work is downloadable for the instructor to grade. All uploaded work needs to be in .pdf, .docx, or .ppt.**

#### **Blackboard Lecture:**

Lecture will be provided on Blackboard by instructor through PowerPoint, PowerPoint voiceover, or end of chapter review, as an extra learning tool. Lectures will help students make connections to the weekly subjects and give additional information for students to add in their discussion.

**Late Assignments and Extra Credit:**

Work is due on the assigned dates and times in Central Standard Time (CST). Students should contact faculty prior to the due date and time if they anticipate material will be late. Please note that contacting faculty will not guarantee the receipt of an extension for the assignment. Due to the time constraints within this course, there are no allowances for extra credit assignments or resubmissions of an assignment. Please allow enough time for preparation and submission of each assignment prior to the scheduled due date.

C. GRADING POLICY

The grade for this course will be determined upon completion of the following components:

|   |      |
|---|------|
| Evolve Module Exams                     | 25%  |
| Evolve Module Learning Lesson & Pretest | 20%  |
| Concept Map                             | 30%  |
| Discussion Board Forum                  | 25%  |
| Final Grade Total                       | 100% |

Course grades are based on the following scale:

- A= 90-100% Excellent
- B= 80-89% Good
- C= 70-79% Average
- D= 60-69% Below Average
- F= 59% Below Failing

TO CALCULATE YOUR OVERALL AVERAGE: DO NOT ROUND

- A. Take your **Module Exam Average** and multiply it by .25:  $81 \times .25 = 20.25$
  - B. Then take your **Module Lessons & Pretest Average** and multiply it by .20:  $84 \times .20 = 16.8$
  - C. Then take your **Discussion Board Forum** and multiply it by .25:  $80 \times .25 = 20$
  - D. Then take your **Concept Map** and multiply it by .30:  $88 \times .30 = 26.4$
- ADD: A + B + C + D+E together to get your overall course average:  $20.25 + 16.8 + 20 + 26.4 = 83.45 = B$

#### D. CIVILITY

While there are no classroom meetings for this course, students are expected to demonstrate respect and civility towards faculty and other students in an online environment. Students are expected to assist in maintaining a virtual classroom environment that is conducive to learning. In order to assure that all students have the opportunity to gain information from the learning environment; students are prohibited from engaging in any form of distraction, disrespect, inappropriate language or behavior in online interactions. Inappropriate behavior in the virtual classroom will be dealt with by the course faculty on an individual basis. **Please use the faculty email as the primary source of communication and give your instructor 24 hours to answer your email.** There are no office hours for this course.

#### IV. ACCOMMODATIONS

South Plains College strives to accommodate the individual needs of all students in order to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability or age (SPC Equal Opportunity Policy – General Catalog).

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.

#### V. CAMPUS CONCEALED CARRY

Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at:

([http://www.southplainscollege.edu/human\\_resources/policy\\_procedure/hhc.php](http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php))



Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

## **VI. TITLE IX PREGNANCY ACCOMODATIONS**

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 the Director of Health and Wellness at 806-716-2362 or by email for assistance.