

Reese Campus

### Course Syllabus

COURSE: VNSG1420.151 (4:4:0) Anatomy and Physiology for Allied Health (4Credit Hours)  
SEMESTER: SPRING 2023  
CLASS TIMES: ONLINE  
LAB TIMES: ONLINE  
INSTRUCTOR: Kristie Cole M.Ed, BAS, AAS, CST  
OFFICE: Reese Center, Building 5, Room 527  
OFFICE HOURS: <https://calendly.com/kcole-5/srgt-appt>  
OFFICE PHONE: 806-716-4643  
E-MAIL: [kcole@southplainscollege.edu](mailto:kcole@southplainscollege.edu)  
Facebook: <https://www.facebook.com/SPCSurgicalTechnology>  
Instagram:

**“South Plains College improves each student’s life.”**

### GENERAL COURSE INFORMATION

\*It is the responsibility of each student to be familiar with the content and requirements listed in the course syllabus.\*

### COURSE DESCRIPTION

This course is an introduction to the normal structure and function of the body, including an understanding of the relationship of body systems in maintaining homeostasis.

### BLACKBOARD

Blackboard is an e-Education platform designed to enable educational innovations everywhere by connecting people and technology. This educational tool will be used in this course throughout the semester.

The student should only access his or her own Blackboard account. Granting permission to another or accessing another student’s Blackboard account is prohibited and against the Academic Integrity code.

If you have questions or need help with Blackboard:

[kcole@southplainscollege.edu](mailto:kcole@southplainscollege.edu)  
806-716-4643

### STUDENT LEARNING OUTCOMES:

Students will be able to:
1. Identify the basic organizational structures of the human body, including body planes, general organization, and terms of reference. F-1, F-2, F-5, F-6, F-10, F-11, F-12, F-13, C-5, C-6, C-7
2. Analyze the basic structure of cells and relate cellular components to integrate to cell function. F-1, F-5, F-7, F-8, F-9, F-12, C-5, C-6, C-7
3. Analyze the types of tissue that make up organs and the characteristics of each. F-1, F-5, F-7, F-8, F-9, F-12, C-5, C-6, C-7
4. Analyze the different body systems for composition and function. . F-1, F-5, F-7, F-8, F-9, F-12, C-5, C-6, C-7

5. Discuss abnormalities, anomalies, and diseases of the different body systems. F-1, F-5, F-6, F-7, F-8, F-9, F-12, C-5, C-6, C-7,

## COURSE OBJECTIVES

### **The Cognitive Domain Objectives:**

- Name and describe body planes
- Classify organs under appropriate body systems
- List the major closed cavities of the body and their contents
- Describe the basic structure of cells and related cellular components
- Identify types of tissue that make up body organs and the characteristics of each
- Describe the organs and identify them
- Recognize different phases of cell division
- Outline the functions and composition of the skin
- Describe the layers of skin and the components of each
- List the categories of bones in the body
- Identify the different parts of long bones
- Name the prominent features of the bones, joints, and cartilage
- Discuss the characteristics of the types of muscle
- List, locate, and describe the major anatomic and functional parts of the nervous system
- Define the special senses and the anatomical features of the eye and ear
- Describe blood components and their functions
- Define the anatomic structures and the physiologic functions of the heart
- List the various types of blood vessels, their anatomic differences, and the major arteries and veins
- Describe the components and functions of the lymphatic system and its relationship to the circulatory system
- List and describe the structure, function and regulatory mechanisms of the respiratory system
- Describe the structure and function of the digestive system
- List the structure, function, and regulatory mechanisms of the urinary system
- List and describe the structure and functions of the male and female reproductive systems
- Identify and locate the major endocrine glands and list the major hormones and their functions

### **The Psychomotor Domain Objectives:**

- Locate all major bones
- Locate all major muscles
- Describe the actions of different muscles
- Explain the actions and functions of the different joint types
- Sketch the process of cell division
- Describe the mechanism of muscle contraction
- Explain the difference between the Central and Peripheral Nervous systems
- Locate all major organs
- Explain the primary function of major organs

- Describe the flow of blood through the chambers of the heart
- Differentiate between blood types and Rh factors
- Describe the digestive and elimination processes
- Describe functions of the male and female reproductive systems
- Locate all major arteries, veins, and nerves

### **The Affective Domain Objectives:**

- Discuss the pros and cons of blood transfusions
- Discuss the pros and cons of organ donation
- Discuss how the body maintains homeostasis
- Evaluate the importance of cell movement and responsiveness
- Discuss the techniques of tissue typing and the importance of DNA testing
- Compare and contrast negative and positive feedback
- Discuss organ replacement problems and methods of solving them
- Order and explain the types and stages of wound healing
- Discuss the functions of bones and joints
- Evaluate the factors that are important to the Surgical Technologist's understanding of muscle anatomy and physiology
- Compare and Contrast the functions of the lobes of the brain
- Discuss the anatomy and physiology associated with the senses
- Evaluate clinical signs of myocardial infarction
- Discuss the mechanisms of HIV
- Compare and contrast specific and non-specific immune defenses

### **EVALUATION METHODS**

Computer-based exams, written exams, written assignments, quizzes, and other projects as assigned. Assessment methods for the course are both formative and summative.

#### **Formative assessments include:**

- Discussions
- Quizzes \*over the chapter instructor has just completed
- Unit exams \*comprehensive of information learned in the course so far.
- Classroom activities

#### **Summative assessment will be:**

- a comprehensive final exam

### **ACADEMIC INTEGRITY**

It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension.

**Cheating** - Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in the office are examples of cheating.

Complete honesty is required of the student in the presentation of any and all phases of coursework. This applies to quizzes of whatever length, as well as final examinations, to daily reports and to term papers.

Any assignment **0 or F** will be given on any assignment or test that cheating was utilized. Offender maybe liable for being dropped from the course at the discretion of the instructor.

**Plagiarism** - Offering the work of another as one's own, without proper acknowledgment, is plagiarism; therefore, any student who fails to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines and other reference works, or from themes, reports or other writings of a fellow student, is guilty of plagiarism.

A **0 or F** will be given on any assignment or test that cheating or plagiarism was utilized. Offender maybe liable for being dropped from the course at the discretion of the instructor.

### **LOGGING INTO THE COURSE**

Under no circumstances are you allowed to give your User ID and/or password to anyone. If someone, besides you, is logging into this course, I will drop you immediately with an 'F', regardless of the reason. If you are taking this course along with a roommate, spouse, or significant other, you need to let me know immediately. Failure to do so could result in your being dropped from this course with an 'F'.

### **COMPUTER USAGE**

As computer technology in the field of health occupations continues to become more popular, computers will be used in this course for several assignments. All students have access to computers and printers on the South Plains College campus. Students will be expected to utilize computers to access assignments and classroom resources. All registered students are supplied with a working email account from South Plains College. In order to take exams, students must have their user name and password.

**ALL STUDENTS ARE EXPECTED TO KNOW THEIR SPC STUDENT USER NAME AND PASSWORD.**

### **COMPUTER LAB USAGE**

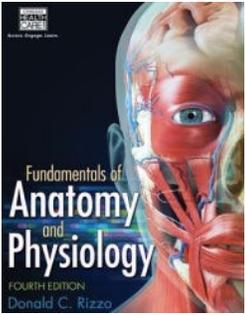
The computer lab(s) on any campus may be used by students during scheduled open hours or as assigned by an instructor. Printer paper will not be provided for students to print materials, but students may seek assistance from faculty or staff to request lab paper from the college if needed. Lack of computer lab paper is not an excuse for not having homework assignments, skills lab sheets, or any other required documents. Students should come prepared for class.

### **SCANS and FOUNDATION SKILLS**

Refer also to Course Objectives. Scans and Foundation Skills attached

## SPECIFIC COURSE INFORMATION

### TEXT AND MATERIALS



Fundamentals of Anatomy and Physiology / Edition 4

by Donald C Rizzo

ISBN-10: 1-285-17415-1

ISBN-13: 978-1-285-17415-0

MindTap Access:

### METHODS OF TEACHING

- Lecture
- PowerPoint Presentation
- Question and Discussion
- Review
- Quizzes
- Examinations

### ADDITIONAL CLASSROOM ITEMS

Students should come to class prepared with pens, pencils, and a spiral notebook for taking notes or completed quizzes or assignments in class. Students should be prepared to take notes over lecture material if they choose.

### ATTENDANCE POLICY (\*READ CAREFULLY)

#### **Class Attendance**

Most of the education that is acquired through distance learning is a result of the interaction among the participants in the course, that is, the instructor and the students combined. Therefore, the instructor requests that each participant log-in at least 3 times a week. The instructor will take part in the discussion topics as appropriate. The discussion room will also function as office hours for the instructor, and will provide the opportunity to clarify issues and topics. Students may feel free to contact the instructor by email at any time. It is imperative that students log in throughout the week as the instructor may post announcements, additional clarifications and/or requirements. Students are responsible for ascertaining any changes that are made to the syllabus, week guidance, or course requirements. **Failure to complete two or more weeks assignments, exams, and/or discussion post will result in immediate removal from the class by the instructor with “F” being recorded for the grade.**

([http://catalog.southplainscollege.edu/content.php?catoid=47&navoid=1229#Class\\_Attendance](http://catalog.southplainscollege.edu/content.php?catoid=47&navoid=1229#Class_Attendance))

## COURSE SYLLABUS STATEMENT

The following statement should be included in all course syllabi for face-to-face and hybrid instruction options: If you are experiencing any of the following symptoms, please do not attend class and either seek medical attention or test 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](mailto:dedens@southplainscollege.edu) or 806-716-2376. Proof of a positive test is required. A home test is sufficient but students must submit a photo of the positive result. The date of test must be written on the test result and an ID included in the photo. If tested elsewhere (clinic, pharmacy, etc.), please submit a copy of the doctor's note or email notification. Results may be emailed to DeEtte Edens, BSN, RN at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu).

A student is clear to return to class without further assessment from DeEtte Edens, BSN, RN if they have completed the 5-day isolation period, symptoms have improved, and they are without fever for 24 hours without the use of fever-reducing medication.

Students must communicate with DeEtte Edens, BSN, RN prior to their return date if still symptomatic at the end of the 5-day isolation.

## ASSIGNMENT POLICY

Each chapter (19 chapters) will have an assignment (19 assignments) that will be posted on Blackboard on/or before the week that chapter is due by. These assignments are due on/or by 11:59pm of the due date each week. These assignments will be done via Blackboard and will not be timed, but will be a portion of your course grade. Late work or incomplete work is not accepted and a grade of zero will be recorded.

**\*Once you have logged onto Blackboard and started an assignment, the assignment will need to be completed and submitted before logging out of Blackboard. You may not start an assignment, save it, or work on it later. Once started it needs to be completed for the maximum grade.**

Chapter course content, exercises (course content and exercises done in the book are NOT graded but are HIGHLY recommended that they are completed) and assignments (which are graded) should be read prior to completing the chapter exams.

## GRADING POLICY

A minimum of 75% on all exams and assignments is required to receive a passing grade for that exam or assignment. Students must earn an overall grade of 75% or better for each course section to pass that section.

Grades in this course will be determined using the following criteria:

The course grade will be determined by a combination of major exams, chapter homework, quizzes, and a comprehensive final exam. Exam dates will be announced. The following guidelines will be followed regarding coursework:

1. The student is expected to complete the exam at the scheduled time.
2. Make-up exams will **NOT** be given.
3. Late assignments will not be accepted.
4. The final exam is comprehensive.

Assessment Tools	%
MindTap – Chapter Assignments (19)	15%
Chapter Exams (6)	35%
Chapter Quiz (6)	20%
Comprehensive Final Exam	30%

Percentage Score	Grade
90-100	A
80-89	B
75-79	C
0-74	F

### CHAPTER EXAMS

**-Please update your computer before starting exams. You might want to log out of blackboard and log back in before starting your exam. You only get 1 attempt per exam!**

**-Please make sure your computer is plugged into a power source or fully charged while taking your exams. If your computer battery dies during an exam your exam will be submitted at that point!**

Each Chapter (19 chapters) will have a chapter exam (19 exams) given via Blackboard. The chapter exams ARE timed and will be a portion of your course grade. You will be given 2 minutes per question. There will also be an exam for the syllabus that will be calculated into your chapter exam grade.

### COMPREHENSIVE FINAL EXAM

**-Please update your computer before starting exams. You might want to log out of blackboard and log back in before starting your exam. You only get 1 attempt per exam!**

**-Please make sure your computer is plugged into a power source or fully charged while taking your final exam. If your computer battery dies during an exam your exam will be submitted at that point!**

The comprehensive final exam WILL BE timed, given via Blackboard, and will be a portion of your course grade. You will be given 2 minutes per question. The final exam must be completed within the time frame specified by the instructor.

### COMMUNICATION POLICY

- Electronic communication between instructor and students in this course will utilize the South Plains College “My SPC” email system. Students are encouraged to check SPC email on a regular basis. Students will also

have access to assignments, web-links, handouts, and other vital material which will be delivered via the classroom website. Any student having difficulty accessing the classroom website or their email should immediately contact their instructor for direction. The instructor will work with any student to ensure the student has access to a computer on campus and can obtain the needed class content that is located on the course website.

• **Instructor will not communicate using private email accounts.**

• **I will return e-mails within 24 hours. If you need immediate assistance, please call me 806-716-4643. If leaving a message please give your name, student ID #, and a good phone # to return your call.**

### **SPECIAL REQUIREMENTS**

Students are not required to purchase their own computer, but must have access to one that meets these specifications. There are computer labs available for student use on our Levelland, Lubbock Center, and Reese Center campuses.

**To be able to participate in this online course, a student needs to have the following:**

- Typing skills
- Basic word processing skills
- Know basic functionality of a computer and how to do basic troubleshooting
- Know how to connect to the Internet
- Know basics of how the Internet works and how to search and conduct research using the Internet
- Know how to compose, reply, and forward e-mail messages
- Know how to attach and open documents in an e-mail message
- Have basic file management skills
- Know how to save and delete documents

### **DROPPING A CLASS**

Students should submit a [Student Initiated Drop Form](#) online.

Students will not be required to obtain an instructor signature to drop, however, we do encourage students to communicate with instructors or advisors prior to dropping a course when they are able. There will be no charge for drops for the fall or spring semesters.

### **WITHDRAWING FROM ALL CLASSES**

If students wish to withdraw from all courses, they should initiate that process with the Advising Office. They can schedule an appointment with an advisor by visiting <http://www.southplainscollege.edu/admission-aid/advising/spcadvisors.php> or by calling 806-716-2366.

### **DROPPING A CLASS SCHEDULE CHANGE (after late registration and before census date)**

To make a schedule change after late registration and before the census date, students should submit a [Schedule Change Form](#).

After late registration, adding a class requires instructor approval. If a student is requesting to be added to one of your courses and you approve, please email [registrar@southplainscollege.edu](mailto:registrar@southplainscollege.edu) with your approval. This can take the place of signature on the Schedule Change Form that we have required in the past.

### **ASSIGNMENT POLICY**

All assignments must be completed by the assigned due date. **Late and/or incomplete work will not be accepted and a grade of zero will be recorded.** Assignments, quizzes, exams, and skills that are missed due to an unexcused absence may not be made up. See the instructor for more specific information.

### **COMPUTER LAB USAGE**

The computer lab(s) on campus may be used by students during scheduled open hours or as assigned by an instructor. Printer paper will not be provided by SPC EMS department for students to print materials but students

may seek assistance from faculty to request lab paper from the college if needed. Lack of computer **lab paper is not an excuse for not having homework assignments, skills lab sheets, or any other required documents. Students should come prepared for class.**

**ALL STUDENTS ARE EXPECTED TO KNOW THEIR SPC STUDENT USER NAME AND PASSWORD.**

### COMMUNICATION POLICY

• Electronic communication between instructor and students in this course will utilize the South Plains College “My SPC” and email systems. I will utilize text messaging and you may communicate with me this way also. The instructor will not initiate communication using private email accounts. Students are encouraged to check SPC email on a regular basis each week of class. Students will also have access to assignments, web-links, handouts, and other vital material which will be delivered via the classroom website. Any student having difficulty accessing the classroom website or their email should immediately contact their instructor for direction. The instructor will work with any student to ensure the student has access to a computer on campus and can obtain the needed class content that is located on the course website.

### STUDENT CONDUCT

Rules and regulations relating to the students at South Plains College are made with the view of protecting the best interests of the individual, the general welfare of the entire student body and the educational objectives of the college. As in any segment of society, a college community must be guided by standards that are stringent enough to prevent disorder, yet moderate enough to provide an atmosphere conducive to intellectual and personal development.

A high standard of conduct is expected of all students. When a student enrolls at South Plains College, it is assumed that the student accepts the obligations of performance and behavior imposed by the college relevant to its lawful missions, processes and functions. Obedience to the law, respect for properly constituted authority, personal honor, integrity and common sense guide the actions of each member of the college community both in and out of the classroom.

Students are subject to federal, state and local laws, as well as South Plains College rules and regulations. A student is not entitled to greater immunities or privileges before the law than those enjoyed by other citizens. Students are subject to such reasonable disciplinary action as the administration of the college may consider appropriate, including suspension and expulsion in appropriate cases for breach of federal, state or local laws, or college rules and regulations. This principle extends to conduct off-campus which is likely to have adverse effects on the college or on the educational process which identifies the offender as an unfit associate for fellow students.

Any student who fails to perform according to expected standards may be asked to withdraw.

Rules and regulations regarding student conduct appear in the current Student Guide.

### CAMPUS 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 and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.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.

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## ACCOMMODATIONS

### 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.

### **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 the Director of Health and Wellness at 806-716-2362 or email [cgilster@southplainscollege.edu](mailto:cgilster@southplainscollege.edu) for assistance.

### **EQUAL OPPORTUNITY, HARASSMENT, AND 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.

South Plains College is dedicated to providing a safe and equitable learning environment for all students. Discrimination, sexual assault, and harassment are not tolerated by the college. The Health and Wellness Center offers confidential support (806-716-2529) and Voice of Hope has a 24-hour hotline (806-763-7273). You are encouraged to report any incidents online at <http://www.southplainscollege.edu/about/campusafety/complaints.php>

### **EMERGENCY MESSAGES**

The student should notify his/her family that in case of an emergency during normal class schedule, they should call the Nursing Office at (806)716-2391 or (806)716-2193. Class will not be interrupted unless it is an emergency, so they must identify themselves and say it is an emergency to get immediate action.

The student should notify his/her family that in the case of an emergency during clinical rotations, they should call and leave a message or text (who they are and who they need to get in touch with for an emergency) to the number or numbers provided to them in the clinical course syllabus and/or on the clinical course schedule..

C-1 **TIME** - Selects goal - relevant activities, ranks them, allocates time, prepares and follows schedules.

C-2 **MONEY** - Uses or prepares budgets, makes forecasts, keeps records and makes adjustments to meet objectives.

C-3 **MATERIALS AND FACILITIES** - Acquires, stores, allocates, and uses materials or space efficiently.

C-4 **HUMAN RESOURCES** - Assesses skills and distributes work accordingly, evaluates performances and provides feedback.

### **INFORMATION - Acquires and Uses Information**

C-5 Acquires and evaluates information.

C-6 Organizes and maintains information.

C-7 Interprets and communicates information.

C-8 Uses computers to process information.

### **INTERPERSONAL–Works With Others**

C-9 Participates as members of a team and contributes to group effort.

C-10 Teaches others new skills.

C-11 Serves Clients/Customers–works to satisfy customer’s expectations.

C-12 Exercises Leadership–communicates ideas to justify position, persuades and convinces others, responsibly challenges existing procedures and policies.

C-13 Negotiates–works toward agreements involving exchanges of resources; resolves divergent interests.

C-14 Works With Diversity–works well with men and women from diverse backgrounds.

### **SYSTEMS–Understands Complex Interrelationships**

C-15 Understands Systems–knows how social, organizational, and technological systems work and operates effectively with them.

C-16 Monitors and Corrects Performance–distinguishes trends, predicts impacts on system operations, diagnoses systems performance and corrects malfunctions.

C-17 Improves or Designs Systems–suggests modifications to existing systems and develops new or alternative systems to improve performance.

### **TECHNOLOGY–Works with a Variety of Technologies**

C-18 Selects Technology–chooses procedures, tools, or equipment, including computers and related technologies.

C-19 Applies Technology to Task–understands overall intent and proper procedures for setup and operation of equipment.

C-20 Maintains and Troubleshoots Equipment–prevents, identifies, or solves problems with equipment, including computers and other technologies.

**Course Outline is subject to change by the instructor.**

**Lecture Topics – Lecture/PowerPoint/ Exam**

- Anatomical Organization
- Cells and Tissues
- The Integumentary System
- The Muscular System
- The Skeletal System
- Blood
- The Lymphatic System
- The Cardiovascular System
- The Respiratory System
- The Digestive System
- The Nervous System
- The Senses
- The Urinary System
- The Endocrine System
- The Reproductive System

<p>WEEK 1</p> <p>Monday: 1/16 Coursework Opens</p> <p>Sunday: 1/22 Coursework DUE by 11:59 pm</p>	<p><b>Introduction and signing of syllabus forms</b></p> <p><b>Chapter 1: The Human Body</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Terms of direction</li> <li>- Planes</li> <li>- Cavities</li> <li>- Structural units</li> <li>- Homeostasis</li> <li>-</li> </ul> <p><b>Chapter 2: The Chemistry of Life</b></p> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b></p> <p><b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 2</p> <p>Monday: 1/23 Coursework Opens</p> <p>Sunday: 1/29 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 3 Cell Structure</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- History of the cell theory Discuss the principles of the modern cell theory.</li> <li>- Anatomy of a typical cell</li> </ul> <p><b>Chapter 4 Cellular Metabolism and Reproduction: Mitosis and Meiosis</b></p> <ul style="list-style-type: none"> <li>- Introduction to cellular metabolism</li> <li>- Cellular metabolism or biochemical respiration</li> <li>- Anaerobic respiration</li> <li>- Production of ATP from general food compounds</li> <li>- Introduction to cellular reproduction</li> <li>- The structure of the DNA molecule</li> <li>- The cell cycle</li> <li>- Meiosis—a reduction division</li> <li>- Gametogenesis</li> <li>- A comparison of mitosis and meiosis</li> <li>-</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b></p> <p><b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 3</p> <p>Monday: 1/30 Coursework Opens</p>	<p><b>Chapter 5 Tissues</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> </ul>

<p>Sunday: 2/5 Coursework DUE by 11:59 pm</p>	<ul style="list-style-type: none"> <li>- Epithelial tissue</li> <li>- Connective tissue</li> <li>- Muscle tissue</li> <li>- Nervous tissue</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b>  <b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 4</p> <p>Monday: 2/6 Coursework Opens</p> <p>Sunday: 2/12 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 6 Integumentary System</b></p> <ul style="list-style-type: none"> <li>- Introduction:</li> <li>- The layers of the skin</li> <li>- The accessory structures of the skin</li> <li>- The functions of the integumentary system</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b>  <b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 5</p> <p>Monday: 2/13 Coursework Opens</p> <p>Sunday: 2/19 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 7 Skeletal System</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- The functions of the skeletal system</li> <li>- The growth and formation of bone</li> <li>- The histology of bone</li> <li>- The classification of bones based on shape</li> <li>- Bone markings</li> <li>- Divisions of the skeleton</li> <li>- How to study the bones of the skull</li> <li>- The appendicular skeleton</li> <li>- The arches of the foot:</li> </ul> <p><b>Chapter 8 Articular System</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- The classification of joints—structure and function</li> <li>- Movements at synovial joints</li> <li>- The six types of diarthroses or synovial joints</li> <li>- Bursae</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b>  <b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 6</p> <p>Monday: 2/20 Coursework Opens</p> <p>Sunday: 2/26 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 9 The Muscular System</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- The types of muscles</li> <li>- The anatomy of skeletal or striated muscle</li> <li>- The physiology of muscle contraction</li> <li>- The muscle twitch</li> <li>- Muscle tone</li> <li>- The anatomy of smooth muscle</li> <li>- The anatomy of cardiac muscle</li> <li>- The naming and actions of skeletal muscles</li> <li>- The function and location of selected skeletal muscles</li> </ul>

	<p><b>DUE SUNDAY @ 11:59 pm: EXAM</b>  <b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 7  Monday: 2/27 Coursework Opens</p> <p>Sunday: 3/5 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 10 The Nervous System: Introduction, Spinal Cord, and Spinal Nerves</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Organization</li> <li>- Classification of nerve cells</li> <li>- The physiology of the nerve impulse.</li> <li>- Grouping of neural tissue</li> <li>- The spinal cord</li> <li>- The spinal nerves</li> </ul> <p><b>Chapter 11 The Nervous System: The Brain, Cranial Nerves, Autonomic Nervous System, and the Special Senses</b></p> <ul style="list-style-type: none"> <li>- The principal parts of the brain</li> <li>- The anatomy and function of the brainstem</li> <li>- The anatomy and function of the diencephalon</li> <li>- The cerebrum—structure, and function</li> <li>- The cerebellum—structure, and function.</li> <li>- The autonomic nervous system</li> <li>- The 12 cranial nerves and their functions</li> <li>- The special senses: Introduce the five special senses.</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b>  <b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 8  Monday: 3/6 Coursework Opens</p> <p>Sunday: 3/12  Coursework DUE by 11:59 pm</p>	<p><b>Chapter 12 Endocrine System</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- The functions of hormones</li> <li>- The hypothalamus of the brain</li> <li>- The anterior pituitary gland, its hormones, and some disorders:</li> <li>- The posterior pituitary gland and its hormones.</li> <li>- The thyroid gland, its hormones, and some disorders</li> <li>- The parathyroid glands, their hormone, and some disorders</li> <li>- The adrenal glands, their hormones, and some disorders</li> <li>- The pancreas, its hormones, and some disorders</li> <li>- The testes and the ovaries</li> <li>- The thymus gland and its hormone</li> <li>- The pineal gland and its hormone</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b>  <b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>SPRING BREAK 3/13-9/19</p>	

<p>WEEK 9 Monday: 3/20 Coursework Opens</p> <p>Sunday: 3/26 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 13 The Blood</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Functions of the blood</li> <li>- Blood cell anatomy and functions</li> <li>- The clotting mechanism</li> <li>- The blood groups</li> <li>-</li> </ul> <p>DUE SUNDAY @ 11:59 pm: EXAM DUE SUNDAY @ 11:59 pm: MINDTAP</p>
<p>WEEK 10 Monday: 3/27 Coursework Opens</p> <p>Sunday: 4/2 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 14 The Cardiovascular System</b></p> <ul style="list-style-type: none"> <li>- Introduction.</li> <li>- The anatomy of the heart</li> <li>- Blood flow through the heart</li> <li>- The conduction system of the heart</li> <li>- A cardiac cycle</li> <li>- Anatomy of blood vessels</li> </ul> <p>DUE SUNDAY @ 11:59 pm: EXAM DUE SUNDAY @ 11:59 pm: MINDTAP</p>
<p>WEEK 11 Monday: 4/3 Coursework Opens</p> <p>Sunday: 4/9 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 15 The Lymphatic System</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- The functions of the system and the structure and functions of the lymphatic vessels</li> <li>- The organs of the lymphatic system</li> <li>- Immunity</li> <li>- Antigens and</li> <li>- The cells of the immune response and other defenses</li> </ul> <p>DUE SUNDAY @ 11:59 pm: EXAM DUE SUNDAY @ 11:59 pm: MINDTAP</p>
<p>WEEK 12 Monday: 4/10 Coursework Opens</p> <p>Sunday: 4/16 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 16 Digestive System</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- General organization</li> <li>- Histology</li> <li>- The mouth or oral cavity</li> <li>- The pharynx</li> <li>- The esophagus.</li> <li>- The stomach</li> <li>- The pancreas.</li> <li>- The liver</li> <li>- The small intestine</li> <li>- The large intestine</li> </ul> <p>DUE SUNDAY @ 11:59 pm: EXAM DUE SUNDAY @ 11:59 pm: MINDTAP</p>
<p>WEEK 13</p>	<p><b>Chapter 17 Respiratory System</b></p>

<p>Monday: 4/17 Coursework Opens</p> <p>Sunday: 4/23 Coursework DUE by 11:59 pm</p>	<ul style="list-style-type: none"> <li>- Introduction</li> <li>- The anatomy and functions of the nose</li> <li>- The structure and functions of the pharynx</li> <li>- The larynx or voice box</li> <li>- The trachea or windpipe.</li> <li>- The bronchi and bronchial tree.</li> <li>- The anatomy and function of the lungs</li> <li>- The respiration process</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b></p> <p><b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 14</p> <p>Monday: 4/24 Coursework Opens</p> <p>Sunday: 4/30 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 18 The Urinary System</b></p> <ul style="list-style-type: none"> <li>- Introduction:</li> <li>- The functions of the urinary system</li> <li>-</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b></p> <p><b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>Week 15</p> <p>Monday: 5/1 Coursework Opens</p> <p>Sunday: 5/7 Coursework DUE by 11:59 pm</p>	<p><b>Chapter 19 The Reproductive System</b></p> <ul style="list-style-type: none"> <li>- Introduction-</li> <li>- The male reproductive system</li> <li>- The female reproductive system</li> <li>- The mammary glands</li> <li>- Pregnancy and embryonic development</li> <li>-</li> </ul> <p><b>DUE SUNDAY @ 11:59 pm: EXAM</b></p> <p><b>DUE SUNDAY @ 11:59 pm: MINDTAP</b></p>
<p>WEEK 16</p> <p>5/8-5/10</p>	<p>Comprehensive FINAL</p> <p><b>DUE WEDNESDAY @ 11:59 pm: EXAM</b></p>

January 2023



VNSG1420

By signing and initialing below, I affirm that I have received a copy or shown the online location of the following documents and furthermore acknowledge that I am solely responsible for the content of each.

\_\_\_\_ Syllabus VNSG1420

\_\_\_\_ South Plains College Grievance Policy

\_\_\_\_ South Plains College **GRADE AND ACADEMIC DISCIPLINE APPEALS**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date