Course: Pathophysiology

Class Days: MTWRF There are no required days the student must attend on campus.

Location/Room: Blackboard Online.

Hours: Each online week will begin at 8 am every Monday and end the next Sunday at 11:59 pm. The course website is available 24 hours per day, 7 days per week for student access.

Class Hours per Week: Students should expect to spend 10-15 hours per week in this course.

Credit hours: 3

Prerequisites: None (This course can be taken prior to nursing program acceptance or enrollment, or while currently enrolled in the nursing program. Suggest having completed anatomy and physiology I and II and microbiology.)

Course Description:
This course will familiarize the participant with principles of pathophysiology, including the cell, mechanisms of defense, and cancer. The aforementioned principles will then be used to present the most common pathophysiologic alterations in the human body.

Important Note: This course is considered a full online course on Blackboard. You will be required to read chapters, review course and review material, take practice or pre-tests, and complete knowledge exams. Your instructor highly suggests you participate to the fullest, to get the most out of this course.

Some students believe that online classes are easier, require less time, and allow the student time at the end to “catch up.” Please understand that online courses may require more time initially, as there is a learning curve for the new online student. Also, an online class is never easier, as assignments match those of a traditional course. Finally, this course is set up on a weekly basis – therefore, you must complete the assignments each week. There is no ability to catch up with course work at the end. This is to keep you engaged during the semester and prevent you from rushing to “finish” a course. Students who try to catch up at the end never master content, and never get their monies worth from the course. I care about your learning and the course schedule will guide you so you do not get behind.
Course Enrollment Options:
1. Credit course
2. Continuing education program (no college credit hours, does not impact your grade point average).

Course Objectives: By the end of the course, the learner should be able to:
1. Identify the structure and function of cellular components, process of cellular respiration, cellular metabolism, cellular transport, and cellular reproduction.
2. Verbalize the impact of genes and genetic mutations on disease states.
3. Differentiate between cellular injury, death, and adaptation.
4. Explain the pathophysiologic alterations for selected disease processes involving the neurological, endocrine, hematological, cardiovascular, lymphatic, renal, urological, reproductive, digestive, integumentary, and musculoskeletal systems.

Required textbooks:

- Text only (Paperback) – ISBN: 9780323078917
- eBook on Pageburst (purchase from Evolve only)- ISBN: 9780323136082
- Access code only – ISBN: 9780323100236

These books and the access code can be purchased either from the El Centro Bookstore, Majors Bookstore, or through www.medbookdirect.com. The book and access code may be purchased from the Evolve website:

This course will be taught in DCCCD eCampus. The access code is required to unlock and view the course materials.

Recommended textbook: None

Course Content and Required Reading:
1. Chapters 1-4 The Cell
2. Chapters 5-8 Mechanisms of Self-Defense
3. Chapters 9-11 Cellular Proliferation: Cancer
4. Chapters 12-16 The Neurologic System
5. Chapters 17-18 The Endocrine System
6. Chapters 19-21 The Hematologic System
7. Chapters 22-24 The Cardiovascular and Lymphatic System
8. Chapters 25-27 The Pulmonary System

Methods of Instruction:
1. Course website in Blackboard.
2. Self-paced online weekly modules.
3. Online knowledge exams

**Other requirements:**

Each student **must have access to a computer with reliable internet access**, as there are weekly assignments, which must be completed online. Downloading documents requires that you have **PowerPoint viewer or Microsoft Word**. If you don't have PowerPoint viewer, you can download it **free of charge** at [www.microsoft.com](http://www.microsoft.com).

It is highly recommended that students use either **Internet explorer, Firefox, or Netscape Navigator** as their browser, as **AOL and other browsers are incompatible with the course platform**, which could result in the inability of the student to complete assignments. Students can download free browsers at either [www.microsoft.com](http://www.microsoft.com) or [www.netscape.org](http://www.netscape.org).

There may be times when dial-up service will give the student time-out errors due to slower connection speeds. To prevent this from occurring, it is recommended the student use either cable or DSL connection for this course. If you don't have access to DSL or cable connection, there is high-speed internet access available through several El Centro computer labs. Also, public libraries also allow free access.

**Evaluation/Grading Methods:**

1. Students enrolled in the **continuing education section** will not receive a course grade; however, to receive a certificate, they must complete all required coursework and have a final score of **70 or better in the class**.
2. Online and traditional students' grade will be based on the following:
   a. **Exams**: given throughout the semester for a total of **100%** of the course grade. The number of questions varies per exam from 35-70 (average is 50). The number of questions on each exam is available at the top of the screen when the student signs on to the exam.

   100% (A - 90-100; B – 80-89; C - 70-79; D - 65-71; F - Below 65)

**Rounding Policy:**

Only final grades will be rounded. If your final grade is 0.5 or higher from the next grade, you will be rounded up. No rounding down will be done. Example: Student #1 has a final grade of 79.5 (C grade); this will be rounded to 80.0 for a B grade). If student #2 has a grade of 69.5 (a failing grade), this will be rounded to 70, for a passing grade.

**Exam Policy:**
Quiz and Exam Policy:

Online multiple-choice quizzes are required for each assigned chapter. It is the responsibility of the student to know when the exams are scheduled. **You can find due dates in the course schedule.** Quizzes/exams are available for the entire semester with no closing date. **There is flexibility in taking the quizzes/exams. However, please do not wait until the end of the semester to try to complete this course. Getting behind may prevent you from passing the course.**

**DO NOT WAIT UNTIL THE LAST MINUTE TO TAKE THE EXAMS,** as something will always happen when you least expect it. My suggestion is to be prepared to take the exam as soon as it is offered.

Every student is on the honor system with exams. You are not to discuss the exams with other students, and you are not to help other students with the exams. You may use your books or notes for the exams. Do not print exams and share with other students who might not have taken the exam. The above is considered academic dishonesty and can be grounds for removal from the class.

Course Outcomes:
Discuss homeostasis as a mechanism for achieving and maintaining normal interaction of structure and functions; relate the physiological system and its role in pathogenesis; and explain importance of pathophysiology in professional nursing practice.

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<thead>
<tr>
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Expectations:

Whether you are a classroom or online student, you will be interacting with both the faculty and other students enrolled in the course. You may post in discussion in this course. If so, proper netiquette is expected. Netiquette is the use of proper etiquette while communicating on the Internet. This may be your first experience with an online course, or you may have taken online courses before. An online course is a very different way of interacting with faculty and peers. It has its own rules. The following suggestions are intended to be an overview of appropriate etiquette for interaction in this new environment.

1. Think carefully about the content of your message before sending it. Did you say just what you meant to say? How will the person on the other end interpret your words? **Once sent to the group, there is no taking it back.** Be sure to check your **grammar and spelling** of a message since your audience might not be able to decode misspelled words or poorly constructed sentences. Remember that poor grammar and spelling is a negative reflection on you.

2. Remember there's a person on the other side. Ask for feedback if you're not sure how your ideas and comments will be taken. If you disagree with what someone has said, please express your opinions respectfully to professors and to students. Always give positive feedback first, and then disagree respectfully.

3. Tone down your language. Given the absence of face-to-face clues, written text can easily be misinterpreted. Avoid the use of strong or offensive language and the excessive use of exclamation points. If you feel particularly strongly about a point, it may be best to write it first as a draft and then to review it, before posting it, in order to remove any strong language.

4. **DO NOT USE CAPITAL LETTERS ROUTINELY, AS THIS LOOKS LIKE YOU ARE YELLING AT SOMEONE.** It is also very difficult to read.

5. Inappropriate or derogatory comments are unacceptable and subject to the same disciplinary action that they would receive if they occurred in the physical classroom.

6. **Participate** in the online environment; it's not enough to show up!

7. Be persistent. If you run into any difficulties, don't wait! Send an email immediately to the instructor of the course listed on the syllabus. Most problems are easily solved, but we have to hear from you before we can help.

8. Share tips, suggestions, and questions. Taking online courses is a new frontier. There are no dumb questions, and even if you think your solution is obvious, please share it! Someone in the course will thank you for it

Course Website Discussion Etiquette:
We are committed to open, frank, and insightful dialogue in all of our courses. Diversity has many manifestations, including diversity of thought, opinion, and
values. We encourage all learners to be respectful of that diversity and to refrain from inappropriate commentary. Should such inappropriate comments occur, faculty will intervene as they monitor the dialogue in the courses. Learners as well as faculty should be guided by common sense and basic etiquette. Never post, transmit, promote, or distribute content that is known to be illegal. Never post harassing, threatening, or embarrassing comments. Never post content that is harmful, abusive; racially ethnically, or religiously offensive, vulgar; sexually explicit; or otherwise potentially offensive

All students are required to practice courteous, respectful, cooperative behavior at all times, as this would be the norm in any higher education or work setting.

Course website student expectations:

1. You must have basic **computer skills** and knowledge of basic computer operations.
2. **You should be accessing the course website to check announcements, complete course work, and check your email at least five times per week.**
3. Student participation will begin the first day of the course. It is very easy to fall behind if you don’t have your text or other materials.
4. **Keep current in the class.** Learners who fall behind are less likely to complete a course successfully. If something happens that is going to cause you to fall behind, contact your instructor immediately.

Disclaimer statement regarding syllabus adjustment:

The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

The instructor-of-record may provide additional information to enhance the course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

Institutional Policies

Stop Before You Drop (6Drop)
For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping
courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access https://www1.dcccd.edu/6drop

Repeating a Course
Effective for Fall Semester 2005, the Dallas County Community Colleges will charge additional tuition to students registering the third or subsequent time for a course. All third and subsequent attempts of the majority of credit and Continuing Education/Workforce Training courses will result in additional tuition to be charged. Developmental Studies and some other courses will not be charged a higher tuition rate. Third attempts include courses taken at any of the Dallas County Community Colleges since the Fall 2002 Semester. See Third Attempt to Enroll in a Course at http://www.dcccd.edu/thirdcourseattempt/

Withdrawal Policy
If you are unable to complete this course, it is your responsibility to withdraw formally. The withdrawal request must be received in the Registrar’s Office by the official drop date for this course. Failure to do so will result in your receiving a performance grade, usually an “F.” If you drop a class or withdraw from the college before the official drop/withdrawal deadline, you will receive a “W” (Withdraw) in each class dropped. For more information about drop deadlines, refer to the current printed Credit Class Schedule, contact the Admissions office at 214-860-2484 (A169), or contact the division office.

Financial Aid
If you are receiving any form of financial aid, you should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate after the drop date are also subject to this policy.

ADA Statement
If you are a student with a disability and/or special needs who requires accommodations, please contact the college Disability Services Office at 214.860.2411 (Voice/TTY), visit A110, or go to http://www.elcentrocollege.edu/Student_Services/Disability/

Religions Holidays Statement
A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence if, not later than the fifteenth day after the first day of the semester, the student notified the instructor of each class scheduled on the date that the student would be absent for a religious holy day. A “religious holy day” means a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20, Tax Code. The notice shall be in writing and shall be delivered by the student personally to the
instructor, with receipt acknowledged and dated by the instructor or by certified mail, return receipt requested, addressed to the instructor. A student who is excused under this section may not be penalized for the absence, but the instructor may appropriately respond if the student fails to satisfactorily complete the assignment or examination.

**Children on Campus**
El Centro College strives to protect an environment most conducive to teaching and learning for all enrolled students. Minor children may not be brought to classrooms, labs, testing areas or study areas of the college. This practice is disruptive to the learning process. Children who are taking part in organized scheduled activities, or who are enrolled in specific classes, are welcomed. For reasons of security and child welfare, the college will not permit unattended children to be left anywhere on the premises. Students/Parents who have problems with childcare should visit the advisement/counseling center or the Adult Resource Center to receive referrals to childcare services in the area.

**Campus Emergency Operation Plan**
El Centro College and the Dallas County Community College District have developed policies and procedures for dealing with emergencies that may occur on campus. To familiarize yourself with these procedures, review the ECC web site information and take time to watch the overview video:
http://www/video.dcccd.edu/rtv/DO/emergency_dcccd.wmv

**MANDATORY ID BADGE IMPLEMENTATION PLAN**
Although this course is 100% online, there may be times when you are on DCCCD college campuses. All students must wear their ECC Picture ID Badge. It should be worn on the upper part of the body where it is clearly seen. Program uniforms do not replace the college ID requirement. Students who do not have a college ID will not be permitted in class, after the 12\textsuperscript{th} class day.

**Grievance Procedures**
Students are expected to follow established procedures of the appropriate division in handling academic issues, such as grade appeals. El Centro College requires that other complaints and disputes (that cannot be resolved by the persons directly involved) be referred initially to the Ombudsman Office for informal, confidential resolution. Additional grievance procedures and the Student Code of conduct are outlined in the El Centro College Catalog, available in hard copy in advisement or on the web at ECC web-site area to be created.

**Computer Use Policy**
For classes requiring the utilization of campus computers, review the computer use policy for the district under the student code of conduct at
http://www1.dcccd.edu/cat0406/ss/computer.cfm

**Software Copying Policy**
Copying computer software without the expressed written permission of the copyright holder may be unlawful and subject to civil and criminal penalties. To protect you, the college and the copyright holder, no software used to complete any lab exercises may be copied by students.

**Accessing eCampus**

*(Accessing your course on the internet - Students)*

**To Login**
- Start your internet browser (you need Firefox 3.5 (preferred) or Internet Explorer 7 or 8 in compatibility mode)
- Go to http://ecampus.dcccd.edu/
- Input your student ID number with an “e” in front of student ID number. This is the Username. (ie. e1253407)
- Tab over to the Password slot
- Input your student ID number with an “e” in front of the student ID number. This is used for the Password also (ie. e1253407).
- Click on the Login button

This will get you to your Homepage tab on eCampus called "My DCCCD". Under the Tools area, you can check your grades for your eCampus courses, read the course announcements, send email to your instructor, change your password, input your email address and your personal information on eCampus.

**To Access Your Course:**
- Click on the Courses Tab or
- Click on the underlined title of your course

You may then click on the tabs on the left side of your screen to access specific areas within your course.

**To Input Your E-mail Address**
- Click on the Personal Information (in the Tools area)
- Input your E-mail address
- Scroll down to the bottom and click Submit (on the bottom left side of your screen)

**To Change Your Password**
- Click on the Personal Information (in the Tools area)
- Click on Change Password
- Input your new password
- Input the new password again to confirm it
- Click Submit (on the bottom left side of your screen)
Once you change your password, you will have to use your new password to login in the future.

**To Check Your Grades**
- Click on My Grades (in the Tools area)
- Then click on underlined title of the course

**To E-mail Your Instructor (or Classmate)**
- Click Send E-mail (in the Tools area)
- Select the appropriate course
- Select one of the options that are listed (e.g. All Instructors, Select Users, All Groups, etc.)
- Type in the Subject and the message
- Select Add if you want to add alternates, Click Browser button, Locate file to be attached.
- Scroll down and click Submit

If you have any questions or need assistance, you may contact Tech Support at (972) 669-6402.

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**El Centro College Scans Statement**
In 1989, the U.S. Departments of Labor and Education jointly surveyed U.S. employers to find out the most important skills and competencies needed by workers. The results of the survey identified SCANS (Secretary’s Commission on Achieving Necessary Skills). SCANS skills help prepare students for success in the workplace.

All El Centro College technical education courses provide learning outcomes which result in the mastery of SCANS skills. Although each course will not include every SCANS skill, each course syllabus will identify the specific SCANS skills and competencies taught in that course.

Throughout a formal program of study (Certificate, Degree or Transfer Program) a student will have the opportunity to master all SCANS skills and competencies.
### SCANS Workplace Competencies

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<th>1 Managing Resources</th>
<th>2 Interpersonal Skills</th>
<th>3 Information Skills</th>
<th>4 Systems Knowledge</th>
<th>5 Using Technology</th>
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</thead>
<tbody>
<tr>
<td>1.b. Manage Money</td>
<td>2.b. Teach Others</td>
<td>3.b. Organize and maintain data</td>
<td>4.b. Work in technological systems</td>
<td>5.b. Apply technology to tasks</td>
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<td>1.e. Manage Human Resources</td>
<td>2.e. Negotiate Conflict</td>
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<td></td>
<td>2.f. Work with Diversity</td>
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### SCANS Foundation Skills

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<th>8 Personal Qualities</th>
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<tbody>
<tr>
<td>6.e. Listening</td>
<td>7.e. Seeing things in the mind’s eye</td>
<td>8.e. Integrity</td>
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<td>7.f. Reasoning</td>
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