Class Time
| Lecture | MTWR | 11:50am – 1:50pm | C261 |
| Lab     | MTWR | 2:00pm – 4:00pm  | C301 |

Office Hours
MTWRF By appointment

Course Description
This is the second course of a two course sequence. Structure and function as related to the human circulatory, respiratory, urinary, digestive, reproductive, and endocrine systems are studied. Emphasis is placed on the interrelationships of these systems. This is a transferable course intended for those seeking to complete a Bachelor's Degree. (3 Lec., 3 Lab.) Coordinating Board Academic Approval Number 2607075103 4 Credit Hours

Prerequisites
Biology 2401. One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met Texas Success Initiative (TSI) Reading and Writing standards AND DCCCD Writing score requisite requirement.

Textbooks
Required:


Attendance and Participation
Students are required to attend all classes.

Syllabus Revision
This course outline is intended as an aid in helping you know your responsibilities for the semester. These guidelines may be changed, deleted or amended at any time by the instructor throughout the semester. Any changes that are made to these policies or outlines will be announced in class.

Course Objectives
Identify and describe the anatomy of the digestive, respiratory, cardiovascular, lymphatic, immune, excretory, and reproductive systems; explain the physiology of the digestive, respiratory, cardiovascular, lymphatic, immune, excretory, and reproductive systems; use appropriate anatomical and physiological terminology when discussing the digestive, respiratory, cardiovascular, lymphatic, immune, excretory, and reproductive systems; and interpret the effect of the digestive, respiratory, cardiovascular, lymphatic, immune, excretory, and reproductive systems on overall body homeostasis.

Student Learning Outcomes:
Students who have completed Biology 2401 & 2402 pathway should be able to do the following:
1. Demonstrate knowledge of the interrelationship of organs in the functioning of each human system.
2. Describe the components of the organ systems of the human body.
3. Define homeostasis, identify the body systems directing homeostasis, identify key parts of a feedback mechanism and identify examples of homeostasis in body systems.

Exemplary Educational Objectives
1. To understand and apply method and appropriate technology to the study of natural sciences.
2. To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.
3. To identify and recognize the differences among competing scientific theories.
4. To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.
5. To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

Core Curriculum Intellectual Competencies (CCIC)
This course reinforces all 6 of the Core Curriculum Intellectual Competencies defined by the Texas Higher Education Coordinating Board.

1. READING: Reading at the college level means the ability to analyze and interpret a variety of printed materials--books, articles and documents. A core curriculum should offer students the opportunity to master both general methods of analyzing printed materials and specific methods for analyzing the subject matter of individual disciplines.

2. WRITING: Competency in writing is the ability to produce clear, correct and coherent prose adapted to purpose, occasion, and audience. Although correct grammar, spelling and punctuation are each a sine qua non in any composition, they do not automatically ensure that the composition itself makes sense or that the writer has much of anything to say. Students need to be familiar with the writing process including how to discover a topic and how to develop and organize it, how to phrase it effectively for their audience. These abilities can be acquired only through practice and reflection.

3. SPEAKING: Competence in speaking is the ability to communicate orally in clear, coherent and persuasive language appropriate to purpose, occasion and audience. Developing this competency includes acquiring poise and developing control of the language through experience in making presentations to small groups, to large groups and through the media.

4. LISTENING: Listening at the college level means the ability to analyze and interpret various forms of spoken communication.

5. CRITICAL THINKING: Critical thinking embraces methods of applying both qualitative and quantitative skills analytically and creatively to subject matter in order to evaluate arguments and to construct alternative strategies. Problem solving is one of the applications of critical thinking, used to address an identified task.

6. COMPUTER LITERACY: Computer Literacy at the college level means the ability to use computer-based technology in communicating, solving problems and acquiring information. Core-educated students should have an understanding of the limits, problems and possibilities associated with the use of technology and should have the tools necessary to evaluate and learn new technologies as they become available.

Classroom conduct
1. Cheating, as defined in the Student Code of Conduct, on an exam or assignment will result in a grade of ZERO on that exam or assignment and a failing grade for the semester;
2. Cellular phones and beepers are to be turned off before the class starts. If your cell phone goes off while class is in session, you will be asked to leave;
3. Talking or texting during lecture or during the lab instruction will cause you to be removed from the class;
4. No food or drinks are allowed in the classroom or in the laboratories;
5. No children are allowed in the classroom or in the laboratories;
6. Be on time. It is disruptive to other students when one is late for class;
7. Come to class prepared. Complete reading assignments before attending lab or lecture.
## Course Outline

<table>
<thead>
<tr>
<th>Day of:</th>
<th>Topic</th>
<th>Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 11 Tuesday</td>
<td>Blood</td>
<td>17</td>
</tr>
<tr>
<td>July 12 Wednesday</td>
<td>Heart</td>
<td>18</td>
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<tr>
<td>July 13 Thursday</td>
<td>Blood Vessels</td>
<td>19</td>
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<tr>
<td>July 14 Friday</td>
<td>Lymphatic System</td>
<td>20</td>
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<tr>
<td>July 17 Monday</td>
<td>Immune System</td>
<td>21</td>
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<tr>
<td>July 18 Tuesday</td>
<td>Immune System (cont’d)</td>
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</tr>
<tr>
<td>July 19 Wednesday</td>
<td>EXAM I (CH 17-21)</td>
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<td></td>
<td>Lab Exam I</td>
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<tr>
<td>July 20 Thursday</td>
<td>Endocrine System</td>
<td>16</td>
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<tr>
<td>July 24 Monday</td>
<td>Endocrine System (cont’d)</td>
<td></td>
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<tr>
<td>July 25 Tuesday</td>
<td>Respiratory</td>
<td>22</td>
</tr>
<tr>
<td>July 26 Wednesday</td>
<td>Digestive System</td>
<td>23</td>
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<tr>
<td>July 27 Thursday</td>
<td>Nutrition and Metabolism</td>
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<tr>
<td>July 31 Monday</td>
<td>EXAM II (CH 16; 22-24)</td>
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<tr>
<td></td>
<td>Lab Exam II</td>
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<tr>
<td>Aug 1 Tuesday</td>
<td>Urinary System</td>
<td>25</td>
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<tr>
<td>Aug 2 Wednesday</td>
<td>Fluid, Electrolyte, and Acid/Base</td>
<td>26</td>
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<tr>
<td>Aug 3 Thursday</td>
<td>Reproductive</td>
<td>27</td>
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<tr>
<td>Aug 7 Monday</td>
<td>Pregnancy and Human Development</td>
<td>28</td>
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<tr>
<td>Aug 8 Tuesday</td>
<td>Heredity</td>
<td>29</td>
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<tr>
<td>Aug 9 Wednesday</td>
<td>Lecture Final Review</td>
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<td></td>
<td>Lab Exam III</td>
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<tr>
<td>Aug 10 Thursday</td>
<td>EXAM III (CH 25-29)</td>
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### Grading Procedure

#### Exams

- 3 Major lecture exams*  
  100 points each = 300 points
- 3 Laboratory exams  
  100 points each = 300 points

#### Final Grade

<table>
<thead>
<tr>
<th>Points Range</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>540 – 600</td>
<td>A</td>
</tr>
<tr>
<td>480 – 539</td>
<td>B</td>
</tr>
<tr>
<td>420 – 479</td>
<td>C</td>
</tr>
<tr>
<td>360 – 419</td>
<td>D</td>
</tr>
<tr>
<td>000 – 359</td>
<td>F</td>
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</tbody>
</table>

Lecture exams will consist of true/false and/or multiple choice questions. Lecture exams may have one essay worth 20 points. Students are expected to supply scantron answer forms for the lecture exams.

*Make-up exams

A comprehensive lecture exam will be given in case of a missed lecture examination. If a laboratory practical is missed, you will receive a grade of ZERO for the exam.
Grade Reporting
Grade reports will no longer be mailed to students. Convenient access is available online or by telephone. Use your student identification number when you log in to e-Connect or call DCCCD Touch Tone Services at (972) 613-1818. Web site address: http://econnect.dcccd.edu/.

Writing Across the Curriculum
Science courses at Eastfield College follow a principle of “Writing Across the Curriculum.” Each course incorporates a writing element. Writing is a critical part of communication of ideas, and is important in the synthesis and analysis of scientific concepts.

Financial Aid Students
If you are receiving Financial Aid grants or loans, you must begin attendance in all classes. Do not drop or stop attending any class without consulting the Financial Aid office. Changes in your enrollment level and failing grades may require that you repay financial aid funds. Failure to contact the instructor will result in your name being submitted to the Financial Aid office as a “non-attendeec.” All students receiving financial aid must open an e-mail account through NetMail. (see Student E-mail below)

Withdrawal Policy
If at anytime you wish to drop the course with a grade of “W” you must initiate that action yourself by going in person to the Admissions, Counseling or Division Office and filling out the necessary form. Instructors cannot and will not drop a student from any class. The last day to withdraw from any class and receive a grade of “W” for the Summer II 2017 semester is AUGUST 3, 2017. Failure to withdraw by the final withdrawal date will result in the student receiving a performance grade based on the criteria contained in this syllabus. If you drop a class via eConnect, make sure to print a copy of the confirmation and keep a copy for your records. In the event of a discrepancy, it will be the responsibility of the student to provide documentation of having dropped the class.

Stop Before You Drop
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/coursedrops.

Academic Honesty
The purpose of the Student Code of Conduct is to provide guidelines for the education environment of the Dallas County Community College District. Such an environment presupposes both rights and responsibilities. Disciplinary regulations at the college are set forth in writing in order to give students general notice of prohibited conduct. Students should be aware of disciplinary actions for all forms of academic dishonesty, including cheating, fabrication, facilitating academic dishonesty, plagiarism, and collusion. Your college catalog and the DCCCD catalog contain the entire Student Code of conduct, which is also on the internet at http://dcccd.edu.

Religious Holidays/Observance
Absences for observance of a religious holy day are excused. Notification of the absence must be given to the instructor in writing at least two weeks prior to the date of the holy day. A student whose absence is excused to observe a religious holy day is allowed to contract with the instructor to take a make-up examination or complete an assignment within a mutually agreed upon time after the absence.
Emergency/Inclement Weather Procedure
In case of emergency or inclement weather conditions, Eastfield students should listen to KEOM-FM radio station (88.5) as the primary media source. In partnership with the Mesquite ISD, Eastfield College Administration will notify KEOM immediately after a decision is made to cancel classes on any given day of inclement weather or for emergency purposes. Students may also monitor other radio and television stations. The earliest an announcement may be broadcast on KEOM Radio is 6 am. Students may also refer to the Eastfield College web page (www.eastfieldcollege.com) for the Inclement Weather announcement under the Features area of the front page. This announcement will be posted immediately following the decision to close the college.

Repeatability Issue
Pending legislative action and DCCCD Board approval, effective for Fall ’05 the Dallas County Community Colleges will charge a higher tuition rate 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 higher 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. For complete information and updates, go to: http://www.dcccd.edu/ThirdCourseAttempt/.

Student E-mail
Legal privacy issues prevent me from discussing your work or grades on commercial e-mail accounts. If you wish to send your papers as attachments to an e-mail (and the instructor permits it), or if you have a question about your grades, you must open a student e-mail account. The account is free. You may set it up by going to www.dcccd.edu and clicking on Student Services, Online Services, and Student NetMail. All students receiving financial aid must open a student NetMail account.

Plagiarism
In any written paper, you are guilty of the academic offense known as plagiarism if you half-copy or copy the author's sentences or words. Usually this results in an automatic grade of "F" for the course. You cannot mix the author's words with your own or "plug" your synonyms into the author's sentence structure. To prevent unintentional borrowing, resist the temptation to look at the source as you write. The author's words, phrases, sentences must be put in your words, in your way of writing. When you do this, you are demonstrating the ability of understanding and comprehension.

Family Educational Rights and Privacy Act 1974 (FERPA)
In compliance with the Family Educational Rights and Privacy Act of 1974 (FERPA), the College may release information classified as “directory information” to the general public without the written consent of the student. Directory information includes: (1) student name, (2) student address, (3) telephone numbers, (4) date and place of birth, (5) weight and height of members of athletic teams, (6) participation in officially recognized activities and sports, (7) dates of attendance, (8) educational institution most recently attended, and (9) other similar information, including major field of student and degrees and awards received. Students may protect their directory information at any time during the academic year. If no request is filed, directory information is released upon written inquiry. No telephone inquiries are acknowledged. No transcript or academic record is released without written consent from the student, except as specified by law.

Children on Campus
The institution strives to protect an environment most conducive to teaching and learning for all enrolled students. Children who are taking part in organized scheduled activities or who are enrolled in specific classes are welcomed. Minor children, however, should not be brought to the institution unless closely supervised by their parent. Minor children should not be brought into
classrooms, laboratories or other facilities of the college. This practice is disruptive to the learning process. In the case of an emergency where the student-parent has no alternative but to bring the child to campus, classroom faculty or the administrative heads of other units have full discretion as to whether a child may be allowed to quietly stay in the location. These individuals may require that children be removed by the student-parent from the setting if, in their opinion, the presence of the child is deemed to be disruptive to the learning process. For reasons of security and child welfare the institution will not permit unattended children to be left anywhere on the premises. Parents who have problems with childcare should visit the Counseling and/or Advisement Center to receive referrals to childcare services in the area.

ADA Guidelines

Students with Disabilities
If you are a student with a disability and/or special needs, or if you think you may have a disability, please contact the college Disability Services Office (DSO). Please note that all communication with DSO is confidential. If you are eligible for accommodations, please provide or request that the DSO send your accommodation letter to me as soon as possible (students are encouraged to contact DSO at the beginning of the semester). For more information regarding the College Disability Services Office, please visit the Student Services website: https://www.eastfieldcollege.edu/services/Disability/Pages/default.aspx or contact DCCCD Office of Institutional Equity at (214) 378-1633.

College Disability Services Office 972-860-8348

A Note on Harassment, Discrimination and Sexual Misconduct
We are committed to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX and DCCCD policy prohibit harassment, discrimination and sexual misconduct. If you encounter harassment, sexual misconduct (sexual harassment, sexual assault, stalking, relationship violence, stalking), retaliation or discrimination based on race, color, religion, age, national origin, disability, sex, sexual orientation, gender identity, and/or gender expression, please contact your College Title IX Coordinator or the Office of Institutional Equity. We treat this information with the greatest degree of confidentiality possible while also ensuring student welfare and college safety. We are concerned about the well-being and development of our students, and are available to discuss any concerns. There are both confidential and non-confidential resources and reporting options available to you. If students wish to keep the information confidential, please contact the college Counseling or Student Health Services. As required by DCCCD policy, incidents of discrimination and/or sexual misconduct shared with faculty will be reported to the College Title IX Coordinator or District Title IX Coordinator. The Title IX Coordinator will contact the student and determine if further investigation is needed. For more information about policies, resources or reporting options, please contact your college Title IX Coordinator or visit https://www.eastfieldcollege.edu/au/fastfacts/legal/TitleIX/Pages/default.aspx.

Eastfield
Rachel Wolf  TitleIX-EFC@dcccd.edu  972-860-7325

District Title IX Coordinator
LaShawn Grant  TitleIX-District@dcccd.edu  214-378-1633

Disclaimer
The instructor reserves the right to modify class dates, presentation, testing and/or assignment dates if unforeseen circumstances cause such an adjustment. Students will receive verbal notification in class of these changes.