Syllabus for Human Anatomy and Physiology II SCIT 1408
Summer 2, 2012  Section 2501  Dr. M. Umorin

***The instructor reserves the right to amend this syllabus as necessary.

Instructor: Mikhail Umorin, Ph.D.  (Dr.Um)  Email: mumorin@dcccd.edu
Office: Biology Adjunct Room

Lecture:  M- R  5:40 - 7:40p  Room X2005
Lab:  M-R  7:50 - 9:50  Room X2028

Biology Resource Lab  TBA  Room X2030
X Building Computer Lab TBA  Room 2009

Required Texts and Materials:

1. Human Anatomy and Physiology, w/ Mastering A&P™ 8th edition


4. Scantrons:
   - 12-14 scantrons form NO. 815-E (short green) for lab quizzes AND
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- 4 scantrons NO. 882-E (long green) for lab exams
- 5 long blue scantrons for lecture exams.
- You will also need a #2 pencil with a good eraser.

In addition to required texts, the following are recommended:

1. A medical dictionary such as Taber's Cyclopedic Medical Dictionary - strongly suggested

2. An anatomy coloring book; check online for various editions

Course Description:

SCIT 1408 is the second semester of a two-semester sequence in Anatomy and Physiology. The topics covered include the following systems: Endocrine system, Cardiovascular system, Respiratory system, Immune system, Digestive system, Urinary system, and Reproductive system. The prerequisite for this course is SCIT 1407 or its equivalent. If you do not have the prerequisite, the instructor will make the decision concerning your eligibility in the course.

SCIT 1408 is designed and taught as part of the prerequisite for students entering two-year Allied Health programs of study leading to an Associates degree. This course is a technical occupational course, which means it is specifically designed for two-year programs such as Nursing, and is not for transfer to a four year college or university. However, some universities may give transfer credit for this course; please check with the college of your choice. The Biology department reserves the right to modify any and all parts of the course at any time during the semester to facilitate the learning process.

Intellectual Competencies:
This course reinforces all six 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
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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.

Student Learning Outcomes:

At the completion of the course the student will be able to:

1. Understand the basic physiological principles of the human Endocrine system, Cardiovascular system, Immune system, Respiratory system, Digestive system, Urinary system and Reproductive system.

2. Recognize and identify the basic gross and microscopic anatomical structures associated with the human Endocrine system, Cardiovascular system, Immune system, Respiratory system, Digestive system, Urinary system, and Reproductive system.

3. Understand the interrelatedness of the major organ systems - how each organ system functions separately and as part of the integrated whole organism to maintain homeostasis.
BROOKHAVEN COLLEGE

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4. Develop study skills and habits appropriated for pre-professional students interested in allied health sciences and related fields.

Attendance: Students are expected to attend, on time, all classes in which they are enrolled. You have the responsibility to attend class and to consult with the instructor when an absence occurs. Students who miss three lecture sessions or two laboratory sessions without an adequately documented explanation may be dropped from the course. If you miss class, it is your responsibility to update yourself on anything you might have missed. (Please let the instructor know ahead of time that you will be missing class). Absence due to a religious holiday will be treated as a routine absence. Consult the Brookhaven College Catalog.

Promptness. Habitual tardiness to class is an affront to the instructor and your classmates who are in class on time. If there is a reason that you cannot attend class at the scheduled time, (e.g. work, health, family), you will need to rearrange your schedule to eliminate the conflicts or drop the course.

Holidays. Absence due to a religious holiday will be treated as a routine absence.

Lateral transfers. No lateral transfer will be granted without written documentation of need. Students who wish to complete a lateral transfer to another biology course must consult the instructor in the class in which they are enrolled. There will be no transfers after the second week of classes.

Support Services/ ADA: If you are a student with a disability and/or special needs who requires ADA accommodations, please contact the Special Services office at (972) 860-4847. The office is S-124. The instructor will make every attempt to meet the needs of students who demonstrate a need for accommodations under the terms of the Americans with Disabilities Act. Documentation of need can be obtained in Special Services located in the S-Building. This should be presented to the course instructor within the first week of classes.
Withdrawal: If necessary, it is the responsibility of the student to withdraw from the course. This can be accomplished in the registrar’s office before the withdrawal date. Students receiving financial aid who stop attending class without completing the drop process risk losing eligibility for further aid and may incur penalties. *Failure to complete a formal drop will result in an automatic performance grade of “F”.*

**SIX DROP ISSUE** **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](https://www1.dcccd.edu/coursedrops)

Repeating the Course: Effective for Fall semester 2005, the DCCCD 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 Educational 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 DCCCD Colleges since the Fall of 2002.

Financial Aid: 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.

Make-ups: The general policy is **NO MAKEUP EXAMINATIONS OR QUIZZES**. It is assumed that a student who has enrolled in a class understands that
attendance at all scheduled class meetings is required, and that he/she is able to attend. If this is not the case, the student should enroll at a time when he/she can attend regularly. In the case of a work-related conflict that will become permanent, the student should ask the instructor whether it is possible to locate another section which meets at a compatible time. This will require documentation from the employer.

In the case of serious medical issues, students will be required to show documentation of treatment and the inclusive dates. If the absences do not fall within the documented period, no allowances will be made. “Medical documentation” consists of a letter on business letterhead indicating the reasons why the student could not attend school, dates of treatment, hospitalization, etc. within the policies and guidelines of HIPPA. The letter will be signed by a PHYSICIAN, not a nurse, physical therapist, etc., and contact information will be provided. Students are expected to notify the instructor immediately by email concerning the absence and to provide medical documentation within one week of returning to class.

**Academic Dishonesty:**

Academic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered to be a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog. [https://www.dcccd.edu/cat0506/ss/code.cfm](https://www.dcccd.edu/cat0506/ss/code.cfm) Incidents of academic dishonesty will be met with a course grade of “F” in the course. Additionally, a letter describing the incident will be attached to your permanent student file. Consult the Brookhaven College Catalog for more details. Any irregularities reported by the Testing Center will result in a zero for that exam and an “F” in the course. You may not have any class materials or electronic devices during testing. Cheating in any form will be grounds for a performance grade of “F” on the exercise, removal from the course, a block
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placed on your transcripts, a record of the incident placed in your permanent file and Academic Disciplinary suspension. Academic dishonesty is interpreted as theft. Persons seeking careers in the health care professions are held to high ethical standards of conduct.

I have zero tolerance for Academic Dishonesty

Exams

Lecture exams are given in the testing center on the scheduled dates. Lab quizzes and lab practical exams are given in the laboratory on the scheduled dates. Pop quizzes are given in lab/lecture.

Brookhaven College Testing Center

Last test is given one hour before closing.

Location: Building S—Room S080

Telephone: 972-860-4865;  www.dcccd.edu

Call or check online for specific opening and closing times

Appeals concerning grades: All appeals shall be initiated with the section instructor. If further appeal is desired, the next level is the Dean of the Science/Mathematics division followed by the Vice President of Instruction. All assessments must be contested within two weeks of posting of scores on eCampus. Any grade not contested by that time will stand as is.

How Your Grade is Determined

The final course grade is determined, by the lecture section professor, on the basis of points accumulated during the semester. Three types of
evaluation instruments are given: lecture examinations, laboratory examinations, and quizzes. Each lecture examination will be comprised of multiple choice questions and is worth 50 points. The laboratory examinations and quizzes are also comprised of multiple choice questions. Each lab exam is worth 100 points and each quiz is worth 10 points. A letter grade scale is applied to the point system based upon a percentage of the total possible points to be accumulated during the semester.

Point allocation:

<table>
<thead>
<tr>
<th></th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture Exams</td>
<td>5 @ 100 pts ea</td>
</tr>
<tr>
<td>Lab Quizzes</td>
<td>10* @ 10 pts ea</td>
</tr>
<tr>
<td>Lab Practicals</td>
<td>4 @ 100 pts ea</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

* The top 10 quiz grades are combined to make up 100 points of the final course grade.

Thus, course grade follows:

<table>
<thead>
<tr>
<th>Total Points</th>
<th>Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>900-1000</td>
<td>A</td>
</tr>
<tr>
<td>800-899</td>
<td>B</td>
</tr>
</tbody>
</table>
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<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>700- 799</td>
<td>C</td>
</tr>
<tr>
<td>600- 699</td>
<td>D</td>
</tr>
<tr>
<td>Less than 600</td>
<td>F</td>
</tr>
</tbody>
</table>

Additional Information:

- There are several learning supplements available from the online site associated with the text.

- You are required to have access to MasteringAandP. Please see the announcements in eCampus for the course ID for this section. There are assignments you will do for credit at the MasteringAandP website.

- Students must read lecture chapters and laboratory exercises prior to lecture & lab to be successful in this class.

- Students will be quizzed orally or in a written format during lecture or lab hours.

- Tutoring is available in the Biology Resource Center where students also have access to models, slides, and additional information for success in this course. The schedule is announced at the beginning of the term. The Room is X2030.

- Check eCampus regularly, as that is where I will post grades, announcements, staff information, course information, course documents (such as lecture notes and reviews), and assignments!

- Cell phones must be silenced during lecture and laboratory. They are also not allowed in the testing center. If you need to leave your phone on for an emergency, please notify the instructor in advance. You will be asked to leave class if the instructor notes use of any unapproved electronic device. If your phone rings during class, you will be asked
to leave for the day. **Photographing any test or quiz will result in a grade of "F" for the course.**

- Please do not open computers in class. Take notes on Powerpoints downloaded from eCampus or in another manner of your choosing.

- There is absolutely **NO EATING OR DRINKING in the laboratory!**

- Students must earn a passing grade in the lab portion of the course in order to receive an overall passing grade for the course.

- Lab and lecture quizzes, practical examinations, and lecture tests may not be made up, barring extraordinary circumstances.

- Students are responsible for keeping informed of announcements made during class in their absence.

- Students are responsible for keeping informed of testing center hours and rules of operation.

- No restroom breaks are allowed during testing. Your exam must be turned in before any break and it will not be returned.

- **All assessments must be contested within two weeks of posting of scores on eCampus. Any grade not contested by that time will stand as is.**

- **Students must supply scantrons including exams taken in the testing center.**

- Please purchase: 12 - 14 scantrons form NO. 815-E AND 4 scantrons NO. 882-E for lab and final exam. Purchase 5 long blue scantrons for lecture exams. You will also need a #2 pencil with a good eraser.

- I accept NO assignments via email.

**To succeed in this course:**
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Students must read the text and the lab manual prior to lecture and lab. An additional 30 minutes of lecture review within 24 hrs following lecture results in maximum retention of information. Stay alert in class, be on time, ask questions from the reading in lecture. Be prepared to answer questions during lecture. Stay organized and keep a study schedule. Attend the Biology Resource Lab.

Form study groups of 2-5 students. Members must contribute to stay in the group. You can divide lab information so that each member is an expert in one or two areas and then share information. Quiz each other on lecture material, make up mnemonics for memorizing, share web sites, and support each other !!!! This course is a challenge and developing strategies for success is easier in groups.

Good Luck & Happy Studying!

See schedule below
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Schedule

The instructor may change this Schedule and/or Syllabus as needed

<table>
<thead>
<tr>
<th>Day #</th>
<th>Date</th>
<th>Lecture Topic/Exam</th>
<th>Chapters</th>
<th>Laboratory Topic; Exercise</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7/9</td>
<td>Endocrine system</td>
<td>16</td>
<td>Safety, Endocrine; 27</td>
</tr>
<tr>
<td>2</td>
<td>7/10</td>
<td>Endocrine</td>
<td>16</td>
<td>Endocrine; 27</td>
</tr>
<tr>
<td>3</td>
<td>7/11</td>
<td>Endocrine</td>
<td>16</td>
<td>Endocrine; 27</td>
</tr>
<tr>
<td>4</td>
<td>7/12</td>
<td>Blood</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7/13-7/14</td>
<td>Lecture exam 1 in testing center</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>7/16</td>
<td>Heart</td>
<td>18</td>
<td>Blood 29-A</td>
</tr>
<tr>
<td>6</td>
<td>7/17</td>
<td>Heart/Blood vessels</td>
<td>18/19</td>
<td>Heart; 33-A, heart dissection</td>
</tr>
<tr>
<td>7</td>
<td>7/18</td>
<td>Blood vessels</td>
<td>19</td>
<td>Vessels; Dissection; p721</td>
</tr>
<tr>
<td>8</td>
<td>7/19</td>
<td>Blood vessels/Lymphatic system</td>
<td>19/20</td>
<td>Dissection and Review</td>
</tr>
<tr>
<td></td>
<td>7/20-7/21</td>
<td>Lecture Exam 2 in testing center</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>7/23</td>
<td>Immune system</td>
<td>21</td>
<td></td>
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<tr>
<td>10</td>
<td>7/24</td>
<td>Immune/Respiratory system</td>
<td>21/22</td>
<td>Respiratory System; 36, 37; p731</td>
</tr>
<tr>
<td>11</td>
<td>7/25</td>
<td>Respiratory system</td>
<td>22</td>
<td>Digestive system; 38</td>
</tr>
<tr>
<td>12</td>
<td>7/26</td>
<td>Respiratory system</td>
<td>22</td>
<td>Digestive system; 38, dissection p735</td>
</tr>
<tr>
<td></td>
<td>7/27-7/28</td>
<td>Lecture Exam 3 in testing center</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>7/30</td>
<td>Digestive system</td>
<td>23</td>
<td></td>
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<tr>
<td>14</td>
<td>7/31</td>
<td>Digestive system</td>
<td>23</td>
<td>Urinary; 40</td>
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<tr>
<td>15</td>
<td>8/1</td>
<td>Metabolism &amp; Energetics</td>
<td>24</td>
<td>Urinalysis 41A; dissection p741</td>
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<tr>
<td>16</td>
<td>8/2</td>
<td>Urinary system</td>
<td>25</td>
<td>Male Reproductive system 42 – 43</td>
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<td>8/3-8/4</td>
<td>Lecture Exam 4 in testing center</td>
<td></td>
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<tr>
<td>17</td>
<td>8/6</td>
<td>Urinary system/Fluids, Electrolyte and Acid base balance</td>
<td>25/26</td>
<td>Female Reproductive system 42-43</td>
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<tr>
<td>18</td>
<td>8/7</td>
<td>Fluids, Electrolyte and Acid base balance</td>
<td>26</td>
<td>Dissection; p745</td>
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<tr>
<td>19</td>
<td>8/8</td>
<td>Reproductive system</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>8/9</td>
<td>Lecture Exam 5 in class</td>
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Exam 4 Ch 23, 24
Exam 5 Ch 25–27