Instructor of Record: Dr. Marzban

Course Description
SCIT 1407, Applied Anatomy and Physiology I, is the first semester of a two-semester sequence in Human Anatomy and Physiology. This course presents the gross and microscopic anatomy, embryology, and physiology of the human organism in a systematic and integrated approach. Extensive use is made of Somso™ models, real and synthetic skeletons. SCIT 1407 is designed and taught as the prerequisite course for students entering two-year Allied Health programs of study leading to an Associates degree. These programs include: Nursing, Radiology Technology, Medical Technology, Emergency Medical services, and other technical/occupational programs. Please verify transfer credit with your College or University. This course requires that each student possess a written, spoken and reading knowledge of the American English language at the college level (see Placement Performance Criteria for reading, writing, mathematics skills for Biology courses by number). This policy is established in the interest of individual student success. 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.

Lecture Professor & Instructor of Record: Dr. Marzban
e-mail: Fmarzban@dcccd.edu
Laboratory Professor: Dr. Marzban

The division secretary in K-224 is also available to take messages at 972-860-4750, Monday through Thursday from 8:30am to 8:30pm or on Friday from 8:30am to 12:00pm. Calls will be returned on the same day they are received. Appointments may be made during office hours as posted at the beginning of the semester.

Texts and Manuals (required)

1. Human Anatomy and Physiology, 11th ed. w/Modified Mastering Access, 2019, Marieb and Hoehn (Pearson).
4. Small dissection kit, a lab coat, goggles, and disposable gloves (available in the campus bookstore)
Activities:
1. We will meet for lecture/discussion one times per week to cover the basic concepts of the course. In addition, the objectives for that week will be reviewed. Lecture examinations will be given in class.
2. We will also meet for laboratory once each week and be tested each week by laboratory quizzes. Laboratory Exams are given four times during the semester. Laboratory practical exams, are graded by your laboratory instructor and the grades are given to your lecture professor.
3. All exams are written by the department and rewritten each semester.

Grading: The final course grade is determined by the lecture section professor, on the basis of points accumulated during the semester. Four types of evaluation instruments are given: lecture examinations, laboratory examinations, lab quizzes, and homework. Each lecture examination will be comprised of multiple choice questions and essay questions and is worth 100 points. The laboratory examinations are comprised of fill-in-the-blank questions - each exam is worth 100 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.

- 90 - 100% = A;
- 80 - 89% = B;
- 70 - 79% = C;
- 60 - 69% = D

Five lecture exams @ 100 pts each ---------------500 pts.
Four laboratory exams @ 100 pts each-------------400
Ten Lab Quizzes @ 10 pts each -------------------100
Mastering Homework -----------------------------100

Total ------------------------------------------1100pts

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.

Make-up Examinations: It is up to the discretion of the section instructor to permit a student to make up any type of course work missed during the semester. In most cases, make-up exams will not be given. All situations of this kind are handled and resolved individually between student and instructor.

Additional Information:
1. Please notify the instructor if you have been absent.
2. The instructor also reserves the right to drop students from the roll for poor performance, attendance, cheating, etc.
3. Please read the Brookhaven Code of Student Conduct in the school catalog.
Biology Resource Lab (room: X-2030):
For many years we have run a Review/Tutoring laboratory in Biology for review of laboratory slides, models and dissections. This lab is staffed by a person who helps enrolled biology students with their laboratory review or by a qualified Biology tutor. This is a place where you may review the material you have studied during your regular laboratory session, with the exception of dissected specimens, which are not permitted in the BRC. The BRC does not take the place of the regular lab section meeting. Please do not bring your family members, especially children, to lab. The tutoring services will be available on a scheduled basis.

Attendance:
Students are expected to attend, on time, all classes in which they are enrolled. Attendance will be taken during each class period (lecture and lab) and excessive absences will be treated with an administrative drop from the course. 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.

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.

Student Learning Outcomes:
At the completion of the course the student will be able to:
1. Explain the basic physiological principles of the Cell, the Skin, the Skeletal system, the Muscular system, and the Nervous system.
2. Recognize and identify the basic gross and microscopic anatomical structures associated with the Human Tissue, Skin, Skeletal system, Muscular system and Nervous system.
3. Explain the interrelatedness of the major organ systems and how each organ system functions separately and as part of the integrated whole organism to maintain homeostasis.

Important Institutional Policies Affecting Students

Drop/Withdraw- Students who decide not to attend class must complete a formal withdrawal. Failure to do so will result in a performance grade of “F”. A student contemplating withdrawal should consult with the course instructor to determine whether there are alternatives available. Note that withdrawal may affect student Financial Aid status. Students enrolling for the first time after 2007 are allowed six drops during their undergraduate years. Exceptions include withdrawal from the College and active military deployment among others. For full policy details concerning course drops, consult www1.dcccd.edu/coursedrops.

Repeating Courses- When a student enrolls in a credit class for the third time, additional tuition will be charged. For details see www1.dcccd.edu/catalog/ss/oep/third_attempt.cfm?loc=econ.

International Students- Students with F-1 status may not drop courses without the permission of an International Student Advisor. For details, go to the Multicultural Center, Room S-136 in the Student Services Building, or call 972-860-4192.

Financial Aid and Attendance- Students receiving financial aid may be subject to loss of financial aid due to poor attendance or non-attendance. In some instances, failure to attend will result in repayment of the aid. Consult the Student Office of Financial Aid in the S-Building for details. Students who expect to be absent for any reason are
obliged to inform the course instructor in advance of the absence, or, a soon as possible otherwise. (also, see NO MAKEUP policy).

**Religious Holidays**- Students who expect to miss class due to religious observances must notify the course instructor in writing, (or electronically), within 15 days of the beginning of the semester in which the absences will occur, i.e. by 09-12-16. Students will then be allowed a reasonable amount of time to make up missed work. Each case will be handled on an individual basis.

**Disabilities Accommodation**- Brookhaven College will make every reasonable attempt, (as specified by the Americans with Disabilities Act), to accommodate students with disabilities. Students seeking accommodation must validate their disabilities with the Office of Disabilities Accommodation, (room S-136 Student Services Bldg.). Documentation of the required accommodation should be presented to the instructor at the first class meeting. For more information go to bhcADAServices@dcccd.edu, or, call 972-860-4190.

**Academic Integrity / Academic Misconduct**- Students in the sciences and the allied health sciences are held to a particularly high standard of ethical conduct for obvious reasons. Cheating in any form will result in an immediate block against drops, a grade of “F” in the course, and a notation in the student’s permanent file. In general, cheating is defined as ANY unauthorized giving or receiving of assistance on a graded exercise. If you have any doubt about what constitutes academic dishonesty, ask your instructor, or consult the Code of Student Conduct at www1.dcccd.edu/catalog/ss/code.cfm.

**Privacy Rights**- Portions of Students’ academic information are protected under the provisions of the Federal Educational Right to Privacy Act, (FERPA). For more information consult www1.dcccd.edu/catalog/about/privacy.cfm

**Harassment, Discrimination and Sexual Misconduct**- Brookhaven College practices a ‘zero tolerance’ policy in matters of harassment, discrimination, and sexual misconduct as specified in the provisions of Federal Title IX. For more information consult the BHC Title IX Coordinator at 972-860-4825, or, TitleIX-BHC@dcccd.edu.

**Final Grade Reports**- Students’ final course grades are reported on e-connect at https://ecnect@dcccd.edu. One then selects “My Personal Information”, then, “My Grades”.

**Modification of the Syllabus**- The course instructor reserves the right to modify the syllabus at any time. The individual student is liable for any announcements concerning changes which may have been made in his/her absence. If one is uncertain about any announced changes, it is the student’s responsibility to consult the instructor.
## Fall 2019 - SCIT 1407 - Lecture/Lab Schedule

<table>
<thead>
<tr>
<th>Wk</th>
<th>Date</th>
<th>Lecture Topic/ Ch.</th>
<th>Lab Topic/Ch.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/31</td>
<td>Introduction &amp; Biochemistry (1&amp;2)</td>
<td>Microscope and Cells (3,4)</td>
</tr>
<tr>
<td>2</td>
<td>9/7*</td>
<td>Cell Membrane Transport (3)</td>
<td>Tissues (6)*</td>
</tr>
<tr>
<td>3</td>
<td>9/14</td>
<td>Histology (4)</td>
<td>Tissues (6); Integument (7)</td>
</tr>
<tr>
<td>4</td>
<td>9/21</td>
<td>*Lecture Exam 1 Integument (5)</td>
<td>Lab Exam 1</td>
</tr>
<tr>
<td>5</td>
<td>9/28</td>
<td>Physiology of Bone (6)</td>
<td>Osseous Tissue and Skeleton (8); Axial Skeleton (9)</td>
</tr>
<tr>
<td>6</td>
<td>10/5</td>
<td>Articulations (8)</td>
<td>Axial &amp; Appendicular Skeleton (9, 10)</td>
</tr>
<tr>
<td>7</td>
<td>10/12</td>
<td>Lecture Exam 2 Muscle Physiology (9)</td>
<td>Appendicular Skeleton &amp; Articulations (10,11)</td>
</tr>
<tr>
<td>8</td>
<td>10/19</td>
<td>Muscle Physiology (9)</td>
<td>Lab Exam 2</td>
</tr>
<tr>
<td>9</td>
<td>10/26</td>
<td>Kinesiology (10)</td>
<td>Muscle Tissue and Organization (12); Muscles of Face &amp; Torso (13); Arm &amp; Leg (13)</td>
</tr>
<tr>
<td>10</td>
<td>11/2</td>
<td>Lecture Exam 3 Neurophysiology (11)</td>
<td>Muscle Action (HO)</td>
</tr>
<tr>
<td>11</td>
<td>11/9</td>
<td>Central Nervous System (12)</td>
<td>Lab Exam 3</td>
</tr>
<tr>
<td>12</td>
<td>11/16</td>
<td>Lecture Exam 4 Peripheral Nervous System (13)</td>
<td>Neural Tissue (15); Brain &amp; Cranial Nerves, Brain Dissection(17)</td>
</tr>
<tr>
<td>13</td>
<td>11/23</td>
<td>Autonomic Nervous System (14)</td>
<td>Spinal Cord &amp; Nerves (19); Autonomic Nervous System (20);</td>
</tr>
<tr>
<td>14</td>
<td>11/30</td>
<td>Special Senses (15)</td>
<td>General Senses (22); Vision (23); Hearing (25); Smell &amp; Taste (26)</td>
</tr>
<tr>
<td>15</td>
<td>12/7</td>
<td>Lecture Exam 5-refer to exam schedule</td>
<td>Lab Exam 4</td>
</tr>
</tbody>
</table>

Exam 1: ch 1-4  
Last Day to Drop with a W:
2: ch 5, 6, 8  * Labor Day – 9/2
3: ch 9-10    * Thanksgiving – Nov. 28
4: ch 11-12
5: ch 13-15

*Labor Day – All Monday Sections Attend Lab with Another Section
**Thanksgiving – All Thursday Sections, Friday Sections and Saturday Sections attend Lab with another Section earlier in the week: Mon – Wed.