Instructor: Prof. Ifeanyichukwu Ogobuiro  Email: icogobuiro@dcccd.edu

Laboratory Instructor: Prof. Samuel James “Jim” Ogden, Jr  Email: sogden@dcccd.edu

Course Title:  SCIT 1407 - Applied Human Anatomy and Physiology I

Course Description:  SCIT 1407 is the first semester of a two-semester sequence in Anatomy and Physiology. The topics covered include: Body Organization, Biological Chemistry, Cell Morphology and Membrane Physiology, Tissues, Integumentary System, Musculoskeletal System, and Nervous System.

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.

Course Instructors:  Several different instructors teach this course each semester. Each instructor will notify you of their own office hours (in the X-bldg.) or access hours, their voicemail number, and their e-mail address. You may leave messages with the Science Division Office: K-Bldg., Room 224, Telephone 972-860-4750. Messages may be left on Voice Mail (check with your instructor for their Voice Mail Box Number) or taken by the Division secretary. Calls will be answered by the instructor in sufficient time, during school hours (8am to 8:30pm, Monday through Thursday, and 8am to 4:30pm on Friday). Appointments may be made by students to see the instructor during office hours as posted at the beginning of each semester. Under no circumstances will it be necessary or appropriate to call the instructor at home.

Texts:  


Required: 4. Small dissection kit, safety glasses, lab coat, gloves(all available in the bookstore).
Other non-required texts and manuals may be purchased at the bookstore and may serve as supplemental resources. It is strongly suggested to buy a small medical dictionary for reference.

**Student Learning Outcomes:** At the completion of the course the student will be able to:
1. State 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. State 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.

**Activities:**
1. We will meet for lecture/discussion two 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 taken at the Testing Center.**
2. Each student will complete a laboratory unit each week weekly reports and be tested by laboratory practical examinations or weekly laboratory quizzes. Laboratory practical exams, quizzes, and reports are graded by your laboratory instructor and the grades are given to your lecture professor.
3. All examinations and quizzes are written by the Biology department.

**Grading:**
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 and homework. Each lecture examination will be comprised of multiple choice questions and is worth 100 points. A 200 point cumulative final examination will be given during Final Exam Week, in class, not in the testing center. The laboratory examinations and quizzes are also comprised of multiple choice questions. Each instructor may choose to assign homework or projects at different times during the semester for credit. 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. **In order to pass the course, one must pass both the lecture and laboratory portions of the course.**

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

Five (5) Lecture exams @ 100 pts each --------------500pts
One Comprehensive Final Lecture Exam---------------200
Four Laboratory exams at 100 pts each--------------- 400
10 weekly online lab quizzes @ 10 pts each----------100
Mastering Homework-------------------------------- 100
Total ------------------------------------------1300 pts.

**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. The instructor is not required to give makeup examinations and
in most cases, make-up exams will not be given. All situations of this kind are handled and resolved individually between student and instructor.

1. Please turn off your phone ringer and remove your earbuds.
2. Please purchase eleven (11) long Apperson grading forms and twelve (12) short Apperson forms.
3. Please notify the instructor if you have been absent.
4. Students are responsible for information given in their absence.
5. The instructor also reserves the right to drop students from the roll for poor performance, attendance, cheating, etc.
6. Please read the Brookhaven Code of Student Conduct in the school catalog
7. The department reserves the right to change the syllabus at any time.
8. **Biology Resource and Tutoring Lab Hours**: To be posted during the first week of classes. Room X-2030.

**Biology Resource and Tutoring Lab**: X2030. 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. You may not dissect in the Resource lab but may review your previously dissected specimen. It 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. Room X–2030.

**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.

**Holidays/Religious Observances.** Students desiring to observe a religious holy day which will result in a class absence, must notify their instructor in writing for each class no later than the 15th calendar day after the first class day of the semester in which the absence will occur. The student is required to complete any assignments or take any examinations which may have been missed within a reasonable time.

**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.

**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.

**6 Drop Rule. 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 during their college career. You may drop no more than six (6) courses during your entire undergraduate career unless the drop qualifies as an exception. You campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated six (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: [www1.dcccd.edu/coursedrops](http://www1.dcccd.edu/coursedrops).

**Repeating the Course.** The DCCCD will charge additional tuition to students registering the third or more time for a course. This is in force for credit and Workforce Education course but not for Developmental courses. Check with an admissions counselor if you have questions.

**Academic Dishonesty:** Academic dishonesty is the unauthorized giving or receiving of assistance on any grade assignment. All students are encouraged to examine the *Brookhaven College Catalog* section on Academic
Dishonesty available in the registrar’s office, the Admissions office or in the LRC. [https://www1.dcccd.edu/coursedrops]. Cheating in any form will be grounds for a performance grade of “F” and removal from the course, a block placed on your transcripts, a record of the incident placed in your permanent file and Academic/Disciplinary suspension. Academic dishonesty is interpreted as theft.

**Support Services / ADA:** If you are a student with a disability and/or special needs (ADA accommodations), Please contact the Special Services office at 972-860-4847. It is found in room S-124. The instructor will make every attempt to meet the needs of students under the terms of the Americans with Disabilities Act. Information and documentation can be obtained in the Special Services office.

**Institutional Policies**
Brookhaven College Institutional Policies can be found at the following link: www.BrookhavenCollege.edu/pdf/instruction/SyllabusAdd FL14.pdf.

**Additional Information**
1. Please turn off your phone ringer, remove your earbuds and store the phone.
2. Please purchase ten (10) long Apperson forms
3. Please notify the instructor if you have been absent.
4. Students are responsible for information given in their absence.
5. The instructor also reserves the right to drop students from the roll for poor performance, attendance, cheating, etc.
6. Please read the Brookhaven Code of Student Conduct in the school catalog
7. The department reserves the right to change the syllabus at any time.
8. **Biology Resource and Tutoring Lab Hours:** to be posted during the first week of classes.
9. Check eCampus(Blackboard) regularly, as this is where the instructor will post grades, announcements, course changes, assignments, special course documents (reviews, lab handouts and Powerpoints).
10. Photographing quizzes or exams is prohibited and will result in grade consequences.
11. Please no eating or drinking in the laboratory.
12. Please read pertinent text chapters and lab exercises prior to class.

**SCIT 1407/ Applied A&P I/ Spring 2015**

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<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lecture Topic/Chapter</th>
<th>Laboratory Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>1/19*</td>
<td>Organization, Biochemistry / 1, 2</td>
<td>3 &amp; 4 – Orientation, Safety, Microscope, Cells</td>
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<td></td>
<td></td>
<td>Cell Morph and Physiology /3</td>
<td>6 – Tissues</td>
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<tr>
<td>2</td>
<td>1/26</td>
<td>Cell Phys /3</td>
<td>6 – Tissues 7 – Skin</td>
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<td><strong>Exam 1 (Chpt 1-3)-Friday 1/30</strong></td>
<td><strong>Lab Practical Exam 1</strong></td>
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<tr>
<td>3</td>
<td>2/2</td>
<td>Integument/5 &amp; Bone/6</td>
<td>8 – Bone Histology 9 – Axial Skeleton</td>
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<td>Skeletal Sys /7 Articulations/ 8</td>
<td>9 – Axial Skeleton 10 – Appendicular Skeleton</td>
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<tr>
<td>4</td>
<td>2/9</td>
<td><strong>Exam 2 (Chpt 4-6)-Friday 2/13</strong></td>
<td>10 – Appendicular Skeleton 11 – Articulations</td>
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<td>Muscle Physiology/9,10</td>
<td><strong>Lab Practical Exam 2</strong></td>
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Muscle Physiology/9,10
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<th>Week</th>
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<th>Schedules</th>
<th>Notes</th>
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| 5    | 2/16   | Muscle Physiology & Kinesiology /9, 10                                    | 12 – Muscle Tissue  
13 – Muscles of the Face, Torso, Arm & Leg |
|      |        | **Exam 3 (Chpt 7-9)/Friday 2/20**                                        | 13 – Muscles of the arm and leg, review                              |
|      |        | Neurophysiology/ 11                                                      |                                                                      |
|      |        | Central Nervous Sys /12                                                 |                                                                      |
|      |        | **Lab Practical Exam 3**                                                 |                                                                      |
|      |        |                                                                           | 15 – Nerve Tissue                                                   |
| 6    | 2/23   | Central Nervous Sys: /12                                                |                                                                      |
|      |        | **Exam 4 (Chpt 10-12)/ Peripheral NS/13 –Friday 2/27**                  |                                                                      |
|      |        |                                                                           |                                                                      |
| 7    | 3/2    | Autonomic N.S. /14                                                      | 17 – Brain / Dissection  
19 – Spinal Cord & Peripheral Nerves  
20- Autonomic NS |
|      |        |                                                                           |                                                                      |
|      |        | Special Senses 15                                                       | 22, 23, 25, 26 – General & Special Sensation                         |
|      |        | **Exam 5 (Chpt 13-15)-Friday 3/6**                                      |                                                                      |
|      |        |                                                                           |                                                                      |
| 8    | 3/16   | Final Exam                                                               |  Lab Practical Exam 4                                               |
|      |        |                                                                           |                                                                      |
|      |        | Spring Break                                                             |                                                                      |
|      |        |                                                                           |                                                                      |
|      |        | Spring Break                                                             |                                                                      |
|      |        |                                                                           |                                                                      |