Course Number: BSC 305 – 01E, 4SH; CRN: 81378
Course Title: General Physiology
Fall 2015

Instructors
Lecture: Dr. Izhar Khan; Izhar.Khan@tamuc.edu
Labs: TBD

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Room</th>
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<tr>
<td>Lecture: TR</td>
<td>11:00 am – 12:15 pm</td>
<td>AGIT 238</td>
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<tr>
<td>Lab 01: W</td>
<td>4:00 pm – 6:50 pm</td>
<td>STC 228</td>
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<tr>
<td>Lab 02: R</td>
<td>4:00 pm – 6:50 pm</td>
<td>STC 228</td>
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Office Hours, Location, Phone & E-mail:
Monday – Thursday: 3:00 – 4:00 pm or by appointment
Office: Science # 215
Phone: 903-468-3271
Fax: 903-886-5997
E-mail: Izhar.Khan@tamuc.edu

UNIVERSITY STATEMENTS
Academic Integrity
By accepting this syllabus, you pledge to uphold the principles of Academic Integrity expressed by the Texas A&M University-Commerce Community. You agree to observe these principles yourself and to defend them against abuse by others. The first instance of cheating will result in an automatic zero on the exam and/or assignment. A second instance will result in a zero in the course. Cheating constitutes copying information from another student or non-allowable material as well as plagiarism. Plagiarism is a criminal activity. You must cite all sources of information. Copying of material, whether parts of sentences, whole sentences, paragraphs, or
entire articles, will result in a score of zero for your essay and can result in further disciplinary action.

Conduct Policy
All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See Student’s Guide Handbook, Policies and Procedures, Conduct)

Special Needs and Accommodations
Please advise the instructor of any special problems or needs at the beginning of the semester. The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library, Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamuc.edu

Access to Student Work
Copies of your work in this course including copies of any submitted papers and your portfolios may be kept on file for institutional research, assessment and accreditation purposes. All work used for these purposes will be submitted anonymously.

University Policy on Weather Closings
Snow closings are generally announced on area television and radio stations. Unless otherwise advised by radio announcement or by official bulletins on the number listed above, students are expected to report for class as near normal time as possible on days when weather conditions are adverse. Decisions as to snow closing or delayed opening are not generally made before 5:00 AM of the working day. Students are expected to attend class if the University is not officially closed.

BROAD PURPOSE OF THE COURSE

This course is designed for majors with a well-rounded background in biology. Therefore, this course provides students with an understanding of basic physiological principles and the functional organization of living systems. Emphasis will be placed on human physiology and the integrated functions of organ systems. While no particular topic will be covered in great detail, the aim is to provide an overview of how different systems work and how they work together. Students are expected to learn the basic principles and concepts of human physiology both at the molecular and cellular levels, to learn to reason scientifically, and to understand and describe the cooperative function of multiple organ systems in the human body. Topics covered include the endocrine, nervous, muscular, cardiovascular, immune, urinary, respiratory, digestive and reproductive systems.

Student Learning Outcomes: Will be outlined for each topic covered.

TEACHING METHOD

Formal lectures will be supplemented with appropriate audiovisual materials, at home problems, laboratory exercises and discussions. PowerPoint of all lectures will be available for you in the Doc Sharing portion of eCollege or sent as e-mail attachment to the students in case of any issues with eCollege. I will post announcements on the home page of the course for reminders of important due dates in addition to announcing them in the class. Progress in the class can be monitored using the Gradebook.

There will be three exams covering 3-4 chapters each followed by a cumulative final. Questions for quizzes and exams from a given chapter are derived from the same Test Pool. Therefore some questions may be repeated.

Attendance and Absences: You are expected to attend ALL scheduled lectures and labs and take the exams as scheduled. You will be held responsible for all information covered in lecture.

Assignments and Quizzes: At home questions will be assigned beginning in the second week of the course. Quizzes will be approximately every other week and will be administered in the class (10 questions; 15 min). If you complete the at home questions in the week they are assigned you will receive full credit regardless of the number of correct responses. If they are done in the subsequent week it will be treated as a quiz. This will hopefully push you to keep up with the material. Both will be completed through
eCollege or provided in the class. Be sure to check eCollege announcements for continual updates.

**Exams:** Consist of multiple choice questions (70-80%) and short answer questions (20-30%). The multiple choice questions are drawn from the same test pool as the assignments and quiz pools so be sure to complete those first. The term exams will be taken in the class.

**Makeup Policy:** The student is responsible for requesting a makeup when they are unable to attend the regularly scheduled examination and must schedule the makeup within 2 days of the absence. Makeup exams will be scheduled only in the event of an EXCUSED absence (as defined in the Student's Guidebook). If the test is not made-up, the student will receive a zero for that exam.

**GRADING SCALE**

The final course letter grade will be assigned based upon the following breakdown:

- 90 - 100% = A
- 80 - 89% = B
- 70 - 79% = C
- 60 - 69% = D
- 00 - 59% = F

**GRADING POLICY**

3 Lecture Exams – 100 points each = 300 points
Comprehensive Final Lecture Exam = 100 points
Quizzes and assignments = 100 points
Presentation = 15 points (extra credit which I encourage)
Laboratory = 150 points
**SCHEDULE***

Week 1:  Sep 1 & 3        Meet and Greet
         Introduction to Physiology (Ch 1)

Week 2:  Sep 8 & 10       Introduction to the Endocrine System (Ch 7)

Week 3:  Sep **15** &17   Metabolism and Energy Balance (Ch 22)
         **Quiz #1 (Tue, Sep 15th; Ch 1 & 7)**

Week 4:  Sep 22 & **24**  Metabolism and Energy Balance (Ch 22)
         Endocrine Control of Growth and Metabolism I (Ch 23)
         **Exam #1 (Thu, Sep 24th; Ch 7 & 22)**

Week 5:  Sep 29 & Oct 1   Endocrine Control of Growth and Metabolism II (Ch 23)
         Neuronal Physiology I (Ch 8)

Week 6:  Oct **6** & Oct 8 **Quiz #2 (Tue, Oct 6th; Ch 23, 8-Part I)**
         Neuronal Physiology II (Ch 8)

Week 7:  Oct 13 & 15      Central Nervous System I (Ch 9)
         Central Nervous System II (Ch 9)

Week 8:  Oct 20 & **22**  Peripheral Nervous System (Ch 11)
         **Exam #2 (Thu, Oct. 22nd; Ch 8 & 9)**

Week 9:  Oct 27 & 29      Muscles I (Ch 12)
         Muscles II (Ch 12)

Week 10: Nov **3** & 5    Cardiovascular Physiology I (Ch 14)
         **Quiz #3 (Tue, Nov. 3rd; Ch 11 & 12)**
         Cardiovascular Physiology II (Ch 14)

Week 11: Nov 10 & 12      Blood (Chapter 16)
         Respiratory System (Ch 17)

Week 12: Nov 17 & **19**  Kidneys (Ch 19)
Exam #3 (Thu, Nov. 19th; Ch 12, 14, 16 & 17)

Week 13: Nov 24 & 26  Kidneys (Ch 19)
Thanksgiving - Holiday

Week 14: Dec 1 & 3  Digestive System (Ch 21)

Week 15: Dec 8 & 10  Reproduction and Development (Ch 26)
Quiz #5 (Thu, Dec 9th; Review Quiz)

Cumulative Final: Tue, Dec. 15, 2015, 10:30 AM – 12:30 PM
- Questions covering chapters 19, 21, 24 & 26 – 50 points
- Questions based on rest of the course – 50 points

*ALL DATES AND ASSIGNMENTS ARE TENTATIVE AND SUBJECT TO CHANGE*