Human Physiology (BISC3232 & BISC 3242) Course Syllabus
Summer 2016 Session I

Instructor: Usha Sankar, PhD

Class Schedule:
Lecture: Monday 6:00PM to 9:00 PM
Tuesday 6:00 PM to 9:00 PM
Wednesday 5:30 PM to 6:45PM
Thursday 5:30 PM to 6:45PM

Lab: Wednesday 7:00 PM-9:30PM
Thursday 7:00 PM-9:30PM

Office Hours: By appointment
Keating 302
Email: usankar@fordham.edu
Office: 718-817-4735


Website: McGraw Hill Connect at http://connect.mheducation.com/class/

Grading:
Lecture Course:

Physiology in the News assignments: 50 points
Quizzes: 100 points
3 exams @ 100 pts each: 300 points
Final exam: 200 points
TOTAL: 650 points

Lab Course:

Midterm Exam: 100 points
Final Exam: 100 points
Lab reports: 30 points
Participation/Journal Discussion: 20 points
TOTAL: 250 points

Lecture exams will cover topics discussed in class. You should utilize the relevant chapters of the text to strengthen your understanding of what we cover in the lectures. You will be assigned reading for every lecture and will be expected to read the relevant chapters before class. There will be preclass quizzes to help you prepare for the lectures. Since this is a very short course and there is a lot of material to cover, you will find that reading the book chapters and following up with questions and discussions in class will help you stay on top of the material. You will find some great self-study resources available at www.masteringaandp.com website. Exams will include multiple choice, short answer AND essay questions which will challenge you to integrate and apply what you have learned in class. Thus reading of the text and any related
outside sources will only enhance your base of knowledge from which you can draw to answer essay questions. The final exam will be cumulative.

Quizzes: I will assign reading for every lecture and completing the reading before the lecture will help you in understanding the concepts we cover in class. You will be given homework on the material to be covered in class. The homework will be on McGraw Hill Connect class website. I also strongly encourage you to bring any questions you might have after reading the chapters to class. Active participation in class will enhance your learning and understanding. It has been shown that the more you participate in class the better your retention and recall of the material.

Physiology in the News: Write a VERY BRIEF (not more than half of a page) critical summary of a recent news article relevant to human physiology, in your own words. The article you choose should be a news article reporting on recent research in human physiology, not simply a review of a topic or a summary of health advice. These will be due on every Monday except when there is an exam. You can post the summaries on the discussion board on Blackboard.

Lab exams: There will be two equally weighted lab exams – a midterm and a final. The final exam will NOT be cumulative (so essentially these will like be two midterms). Students absent during exams without prior approval from the instructor will get a score of zero for the exam.

Journal Club/Discussion: You will be given research papers to read. You will also be given questions about the paper that you have to answer. This will be an exercise in critically reading a scientific paper and its findings. We will then discuss the paper in groups in the lab.

Lab exams: There will be two equally weighted lab exams – a midterm and a final. The final exam will NOT be cumulative (so essentially these will like be two midterms). There will be no make ups for the lab exams.

Attendance

You are required to attend all lectures and laboratory exercises. Ten points will be deducted from the course total for each laboratory period not attended.

If a student is absent from an exam, he/she will receive a grade of 0 for that exam; he/she can take a substitute exam if a letter from a physician is presented stating that he/she was too ill to attend class on the day of the exam.

Laboratory Rules:

1. No eating, drinking or smoking in the laboratory.
2. Any injury must be reported to the instructor.
3. Some laboratory exercises require that the students make measurements on themselves. If you have a medical condition that you feel may be aggravated by the exercise, please inform your instructor. No one will be compelled to perform an exercise if it will adversely affect his/her health.
Schedule

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<tr>
<th>Date</th>
<th>Day</th>
<th>Lec #</th>
<th>Lecture</th>
<th>Laboratory</th>
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<tbody>
<tr>
<td>05/31</td>
<td>Tues</td>
<td>1 &amp; 2</td>
<td>Homeostasis &amp; Membrane Transport</td>
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<tr>
<td>06/01</td>
<td>Wed</td>
<td>3</td>
<td>Signal Transduction</td>
<td>Lab I</td>
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<tr>
<td>06/02</td>
<td>Thurs</td>
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<td>Endocrine System</td>
<td>Endocrine Lab</td>
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<td>06/06</td>
<td>Mon</td>
<td>5 &amp; 6</td>
<td>Nervous System I &amp; II</td>
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<td>06/07</td>
<td>Tues</td>
<td>7 &amp; 8</td>
<td>Nervous System III &amp; IV</td>
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<tr>
<td>06/08</td>
<td>Wed</td>
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<td><strong>EXAM I</strong></td>
<td>EEG &amp; BioPac GSR</td>
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<td>Reaction Time &amp; Biopac EMG</td>
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<td>10 &amp; 11</td>
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<td>Cardiovascular System I &amp; II</td>
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<td><strong>EXAM II</strong></td>
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<td>Blood</td>
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<td>Mon</td>
<td>15 &amp; 16</td>
<td>Respiratory system I &amp; II</td>
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<td>06/21</td>
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<td>Kidneys &amp; Fluid &amp; Electrolyte Balance</td>
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<td><strong>EXAM III</strong></td>
<td>Blood &amp; Immune System Lab</td>
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<td>Digestive System</td>
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<td>06/27</td>
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<td>Metabolism &amp; Energy Balance</td>
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<td>06/28</td>
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<td>Immune System</td>
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<td>06/29</td>
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<td>Metabolism &amp; Rat Dissection</td>
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<td>07/05</td>
<td>Thurs</td>
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<td><strong>FINAL EXAM</strong></td>
<td>LAB FINAL EXAM</td>
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Disability

Under the Americans with Disabilities Act and Section 504 of the Vocational Rehabilitation Act of 1973, all students, with or without disabilities, are entitled to equal access to the programs and activities of Fordham University. If you believe that you have a disabling condition that may interfere with your ability to participate in the activities, coursework, or assessment of the object of this course, you may be entitled to accommodations. Please schedule an appointment to speak with someone at the Office of Disability Services (Rose Hill - O'Hare Hall, Lower Level, x0655).

The Office of Disability Services (ODS), headed up by Carolyn Mooney (mooney@fordham.edu), works with students, faculty, and staff to ensure appropriate services for students with disabilities. Fordham University will make reasonable accommodations, and provide auxiliary aides and services to assist otherwise qualified students who self-identify as having a disability in achieving equal access to its programs, services, and facilities.

It is essential that students who ask for accommodations have registered with the Office of Disability Services. Until a student self-identifies as having a disability and presents an academic accommodation letter written by ODS on ODS letterhead, faculty are not allowed to provide any academic accommodations to that student.

Academic Integrity

All students taking this course are expected to comply with the Fordham University code of conduct which includes but is not limited to the Fordham University Standards of academic