Human Physiology (BISC 3142) Laboratory Syllabus

Summer 2020 Session I

Instructor: Usha Sankar, Ph.D.

Class Schedule:
Lab: Tuesday 1PM - 4 PM
     Wednesday 1PM - 4 PM
     Thursday 1PM - 4 PM
     Freeman Hall 310

Office Hours: Mondays 12PM to 2PM, or by appointment (Please email before coming)
Email: usankar@fordham.edu
Rose Hill Office: Keating Hall 302

Grading:
Lab Course:
  Research/Poster project  80 points
  Midterm Exam            100 points
  Final Exam              100 points
  Lab Homework            60 points
  Lab Report              20 points
  Quizzes                 20 points
  Participation           20 points
  TOTAL                   400 points

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 be two midterms). There may be some concepts from the first half of the course that may be seen on the final exam (i.e. homeostasis).

Students absent during exams without prior approval from the instructor will get a score of zero for the exam. There will be no make ups for the lab exams. It is your responsibility to be aware of all expectations. Please go over the syllabus thoroughly so you know what the expectations are.

Research Project/Poster Project: There will be an in-class presentation where you will be able to present your research projects. The research projects will either be a research project based on a disease of interest. You will be given detailed instructions as well as a rubric on Blackboard.

Journal Club/Participation: You will be given research papers to read in the beginning of the semester. You will also be given questions about the paper that you must 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. Throughout the semester you are expected to participate in lab exercises as well as the pre-lab lecture.

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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<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Laboratory</th>
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<tbody>
<tr>
<td>05/26</td>
<td>Tues</td>
<td>Lab I &amp; Intro POGIL</td>
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<td>05/27</td>
<td>Wed</td>
<td>Journal Club &amp; Membrane Transport</td>
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<td>05/28</td>
<td>Thu</td>
<td>Endocrine Lab</td>
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<td>06/02</td>
<td>Tues</td>
<td>EEG Lab</td>
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<td>06/03</td>
<td>Wed</td>
<td>BioPac GSR &amp; Reaction Time</td>
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<td>06/09</td>
<td>Thu</td>
<td>Biopac EMG</td>
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<td>06/10</td>
<td>Tues</td>
<td>Biopac EKG &amp; BP</td>
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<td>06/11</td>
<td>Wed</td>
<td>LAB EXAM I</td>
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<tr>
<td>06/12</td>
<td>Thu</td>
<td>Respiration</td>
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<td>06/16</td>
<td>Tues</td>
<td>Urinalysis</td>
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<td>06/17</td>
<td>Wed</td>
<td>Immune System Lab &amp; Rat Dissection</td>
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<td>06/18</td>
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<td>06/23</td>
<td>Tues</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 integrity (http://www.fordham.edu/academics/handbooks_publicati/undergraduate_academ/undergraduate_ai_pol/the_ai_statement_72294.asp).