

HSS 307L

HUMAN PHYSIOLOGY LABORATORY

Fall 2012

Section 01: Thursday 10:30 – 11:45

Section 02: Thursday 12:00 – 1:15



□ Lydia Caldwell

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- Office Hours:
 - Open Door Policy and by Appointment

About the Course

- Brand New Course for HSS
 - ▣ Designed to make students competitive applicants for professional programs (PT, PA, medical school)
- Laboratory Simulation
 - ▣ Lecture
 - ▣ Computer work
 - ▣ Some supplemental hands on activities

Required Materials:

- PhysioEx 8.0 for Human Physiology
 - ▣ Every student must have their own copy!
 - ▣ Available at the bookstore (\$34)
- Laptops **REQUIRED**
 - ▣ It is your responsibility to make sure that you have a working computer for class

Course Content

Topics to be Covered:

- ❑ Cell Transport and Membrane Permeability
- ❑ Skeletal Muscle Physiology
- ❑ Neurophysiology of Nerve Impulses
- ❑ Cardiovascular Physiology
- ❑ Respiratory System Mechanics
- ❑ Renal System Physiology

Time Permitting:

- ❑ Chemical and Physical Processes of Digestion
- ❑ Endocrine System Physiology
- ❑ Blood Analysis
- ❑ Acid/Base Balance

Attendance

- Attendance to all labs is **MANDATORY**
- Missing a lab will result in a grade of 0
- Students missing more than 2 laboratory sessions will receive an **F** and be dismissed from the class

- If you know you will be missing a lab due to interviews, etc. see instructor in advance

Final Grades

- Midterm and Final 40%
- Weekly Laboratory Performance 60%
 - Pre-lab quizzes (5%)
 - Quizzes (20%)
 - Assignments/Reports (30%)
 - Participation (5%)
- Academic Honesty

Pre-lab Quizzes

- ❑ Found on Isidore under Tests and Quizzes
- ❑ To be completed no later than 11:59 pm the night before lab.
 - ❑ Tuesday lab → 11:59 Monday evening
 - ❑ Thursday lab → 11:59 Wednesday evening
- ❑ Answers to pre-lab quizzes can be found in the PhysioEx manual
 - ❑ Read lab than answer questions
- ❑ You will have 2 attempts at each quiz and the highest score will be recorded.
- ❑ NO late quizzes will be accepted.

Tentative Schedule

TUESDAY		THURSDAY
Jan 17	Syllabus and Setting up PhysioEx 8.0 + Cell Transport Introduction	Jan 19
Jan 24	Ex 1	Jan 26
Jan 31	Ex 2	Feb 2
Feb 7	Ex 3	Feb 9
Feb 14	Reaction Time Exp	Feb 16
Feb 21	Ex 5	Feb 23
Feb 28	MIDTERM REVIEW	----
Mar 6	MIDTERM EXAM	Mar 8
Mar 13	Ex 6	Mar 15
Mar 20	Blood Pressure Exp	Mar 22
Mar 27	Ex 7	Mar 29
Apr 10	Ex 8	Apr 12
Apr 17	Ex 9	Apr 19
Apr 24	FINAL	Apr 26

Register Your Text

- www.physioex.com
- Identification Code is on first page of manual or can be purchased online at the PhysioEx website
- Log into Isidore:
 - Complete the practice pre-lab quiz