

BIPN 102

HUMAN PHYSIOLOGY II

Spring 2016

MWF 4:00-4:50 pm,

SOLIS 107

INSTRUCTOR: P. A. George Fortes

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TEXTS: Human Physiology, 7<sup>th</sup> or 6<sup>th</sup> ed. by Silverthorn. On reserve @ Biomed Library

Respiratory Physiology, by John B. West, 9<sup>th</sup> or 10<sup>th</sup> ed. for the respiratory section. Also on reserve.

### COURSE SCHEDULE

| Week: | Topic:   | Reading:   |
|-------|--|--|
|       |  | Silverthorn:                      West:                  |
|       |  | 6 <sup>th</sup> ed.:              7 <sup>th</sup> ed.:   |
| 1     | Respiration: Ventilation                         | Ch. 17.              Ch. 17.              Ch. 1,2,7      |
| 2     | Respiration: Gas Exchange, Diffusion, Blood Flow | pp. 569-593      564-571              Ch. 3,4,5          |
| 3     | Respiration: Gas Transport                       | pp. 600-615      571-580              Ch. 6              |
| 4     | Respiration: Regulation                          | pp. 615-621      580-585              Ch. 8              |
|       | <b>FRIDAY, APRIL 22</b>                          | <b>1st MIDTERM EXAM      4:00 - 4:50 pm</b>              |
| 5     | Acid-Base Balance                                | pp. 681-690      641-649              pp. 86-90          |
| 5-8   | Digestive System                                 | Ch. 21              Ch.21                                |
| 8-9   | Energy Balance and Metabolism                    | pp. 737-765      693-720<br>& 776-789      730-742       |
|       | <b>FRIDAY, MAY 20</b>                            | <b>2nd MIDTERM EXAM      4:00 - 4:50 pm</b>              |
| 9     | Temperature Regulation & Exercise                | pp. 765-770      720-724<br>& Ch. 25              Ch. 25 |
| 10    | Reproduction & Development                       | pp. 851-874      800-823                                 |
| 10    | Sexual Physiology                                | pp. 874-878      824-829                                 |
|       | <b>THURSDAY, JUNE 9</b>                          | <b>FINAL EXAM                      3 - 6 pm</b>          |

### EXAMS AND GRADES:

The grade for the course will be computed from each midterm exam (20%) and the comprehensive final exam (60%). The exams will consist of short-answer or multiple-choice questions and problems and will cover material from lectures and from the assigned readings. **The Midterm exams ARE NOT optional. No rescheduling of the Midterm or Final Exams will be allowed. No calculators allowed in exams.**

### OFFICE HOURS:

Dr. Fortes will meet with students individually or in small groups immediately after class, in or outside Solis 107, or by appointment.

### SECTIONS:

Discussion sections are as in the schedule of classes. Attendance to section is optional. Choose the section that fits best in your schedule, or shop around for the section you like best. The sections will start the 2<sup>nd</sup> week of the quarter and will present problems and questions to review and clarify lecture material.

### WEBSITE:

A website for the course is available. The URL is: [TritonED.ucsd.edu](http://TritonED.ucsd.edu). Registered students may login using your ucsd e-mail login and password. The site contains important links, old exams, IA notes, graphs, etc.

### ACADEMIC DISHONESTY.

Cheating will not be tolerated. If you obtain or provide information in an exam or submit an altered exam for regrading you will be reported to the Office of Academic Integrity. If found guilty it will go on your record, which may affect negatively your academic future, and you will be given a grade of F in the course.

PODCASTS: Lectures are available at [podcast.ucsd.edu](http://podcast.ucsd.edu). This should not substitute attending lecture.