# BIOL 2420
# Human Physiology
# Fall 2005

Professor: Dr. Paul Pillitteri
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Office Hours: 9:00 – 11:00 MWF

Class time and place:
MWF 8:00-8:50 SC 114

**Course Description:**

The purpose of BIO 2420 is to give you a basic knowledge of the functions of the human body. Special emphasis will be given to particular systems such as neuromuscular, cardiovascular, respiratory, nervous, and etc. The course will offer a description of all important physiological systems and will utilize control and regulatory mechanisms specific to each system to explain its function. In summary, you will be learning how the human body works.

Most students will find this course quite challenging. The sheer volume of material is just the beginning. The level of comprehension required for this material may be a good challenge for you. There's some memorization, some association, but most of all it's UNDERSTANDING (that's the tough part). That's what I'm here for. I won't just give you the information and expect you to deal with it. I'll try to EXPLAIN how it work's and help you to understand, but learning it is still UP TO YOU.

**Course Objectives:**

- gain a basic understanding of the functions of each of the body's systems
- understand the homeostatic mechanisms working in each system
- understand how the various systems function together to sustain life
- develop a basic understanding of scientific terminology as it relates to human physiology

**Required Text:**

Human Anatomy & Physiology, 6th ed., by Elaine N. Marieb

**Co-requisite:**

BIOL 2425 Human Physiology Lab

**Attendance:**

We'll cover a lot of material every day, and as I said, it's not just memorization, it's understanding. You can't get that from someone else's notes. If you want a decent grade, be in class.

quizzes will be given in class and **cannot be made up** except in the case of an excused absence. The only type of excused absence is one sanctioned by university activities such as sports or academic field trips. Excused absences require a letter from a coach/instructor **prior** to the absence.

**Grading:**

EXAMS: 5 exams will be given over the course of the semester worth 100 pts each. Test dates will be posted well in advance.

FINAL EXAM: The final examination will comprehensive and is worth 200 pts

QUIZZES: One Quiz will be given between each of the exams. Quizzes are worth 10 pts. Quizzes will be announced at least one class period in advance and cannot be made up.

LAB: The lab grade will be separate from the lecture grade.

The grading scale is as follows: (no curve)

100-97% = A+, 96-93% = A, 92-90% = A-
89-87% = B+, 86-83% = B, 82-80% = B-
79-77% = C+, 76-73% = C, 72-70% = C-
69-67% = D+, 66-63% = D, 62-60% = D-
59% and below = F

**Student Responsibilities:**

**Be courteous.** Show up to class on time and turn off cell phones, pagers etc. during class.

**Academic Dishonesty is not tolerated.** Academic dishonesty will be prosecuted to the full extent. It is your responsibility to have read and understand the university's policies on academic dishonesty as outlined in the student handbook.

**American Disabilities Act Statement:**

Students with medical, psychological, learning, or other disabilities desiring academic adjustments, accommodations, or auxiliary aids will need to contact the Southern Utah University Coordinator of Services for Students with Disabilities (SSD) in Room 206F of the Sharwan Smith Center, phone (435) 865-8022. SSD determines eligibility for and authorizes the provision of services.

## Bio 2420: Tentative Class Schedule

Class dates and exams are approximate.

| Date | **Lecture Topic** | **Readings** |
|---|---|---|
| **Aug.** 29 | Body Orientation | pp. 2-12 |
| 31 | Organic Compounds | pp. 44-58 |
| **Sept.** 2 | Cells | pp. 64-81, 85-97 |
| 7 | " | |
| 9 | " | |
| 12 | Skeletal Tissue | pp. 176-193 |
| 14 | | |
| 16 | EXAM | |
| 19 | Nervous Tissue | pp. 389-414 |
| 21 | | |
| 23 | Nervous System | |
| 26 | Peripheral Nervous System | pp. 490-497, 520-526 |
| 28 | | |
| 30 | Autonomic Nervous System | Cht 14 |
| **Oct.** 3 | Senses | pp. 570-581, 585-598 |
| 5 | | |
| 7 | EXAM | |
| 10 | Muscle Tissue | Cht 9 |
| 12 | | |
| 14 | | |
| 17 | Endocrine System | Cht 16 |
| 19 | | |
| 21 | EXAM | |
| 26 | Blood | pp. 661-670 |
| 28 | Cardiovascular System | pp. 687-702 |
| 31 | | pp. 721-738 |
| **Nov.** 2 | Immune System | Cht 21 |
| 4 | | |
| 7 | Respiratory | pp. 844-867 |
| 9 | | |
| 11 | EXAM | |
| 14 | Digestion | 925- 931 |
| 16 | | |
| 18 | Nutrition | Cht 24 |
| 21 | | |
| 28 | Urinary | pp. 1006-1027 |
| 30 | | |
| **Dec.** 2 | | |
| 5 | Reproductive | pp. 1070-1079 |
| 7 | | pp. 1088-1102 |
| 9 | EXAM | |
| **14** | **FINAL EXAM 7-8:50am** | |