

GENERAL PHYSIOLOGY (BIO 3413)

Fall 08; Sec 901, CRN 12691

TR 11:00 – 12:15

Instructor: Helen Cronenberger, Ph.D.
hcronenberger@satx.rr.com
Office Hours: (FS 4.444; TR 1:00-2:00; Tel: 458-2573) (1604 - SB 3.01.39K; Tel: 458-6297)

Textbook: Principals of Anatomy & Physiology, 12TH Ed., Tortora & Derrickson, Wiley.

Prerequisite: BIO 1113 (Biology I), 1122(Lab) and 1123(Biology II) and CHE 1303 (General Chemistry II).
BIO 1143 recommended. Concurrent enrollment in BIO 3422 recommended.

Course Description: Fundamental properties and processes in the human body

Course Objectives:

- To gain an overall understanding of the various systems of the human body and their interactions.
- To relate the chemical and physiological mechanisms of these various systems in maintenance of homeostasis.
- To relate disturbances of homeostasis of body systems to disease and death.
- To gain a general understanding of the physiological basis for laboratory and medical procedures in diagnosis and intervention in order to maintain healthy life.

Grading:

4 Major exams (drop lowest, average high 3)	60%
Weekly quizzes (lowest one dropped; average remainder)	20%
1 Final (cumulative)	20%

Letter grades will be assigned according to the following:

A = 90 - 100
B = 80 - 89
C = 70 - 79
D = 60 - 69
F = < 60

All grades will be posted on WebTV. Students are responsible for informing the instructor of any questions regarding grading of the exams. **Posted grades will be considered final one week after posting on WebCT. Thereafter no changes will be considered.**

You will need ParSCORE forms for all quizzes and exams. (See attachment)

For weekly quizzes: 20 answers "*ParSCORE™ QUIZ FORM*".

For major exams: 50 answers each side "*Compatible with Scantron 48/TSM scanners only*".

Quizzes and exams will not be graded if answers not turned in on proper forms or if form not properly filled out (*e.g.*, name, **ID [drop the @ and use remaining 8 digits]**, number 2 pencil and completely-filled boxes—lines through boxes sometimes are not seen by scanner).

GRADES WILL BE ASSIGNED ACCORDING TO THAT EARNED. A 79 AVERAGE WILL BE A GRADE OF C. MISSED EXAMS/QUIZZES: ANYONE MISSING AN EXAM OR QUIZ WILL COUNT THAT AS THE ONE GRADE TO BE DROPPED. THERE WILL BE NO MAKE UP EXAMINATIONS AND NO CURVE. DO NOT ASK !! NO RESCHEDULING (LATE OR EARLY) OF ANY QUIZZES OR EXAMS. DO NOT ASK !!

CLASS SYLLABUS

All material in text will not be covered.

<u>WEEK OF</u>	<u>TOPIC</u>	<u>Chapter</u>
Aug 25	Introduction to Human Body, Chemical Organization	1, 2
Sept 1	Cellular, Tissue Levels; Integumentary System	3, 4, 5
Sept 8	Skeletal System, Joints	6 - 9
Sept 15	Muscular System	10, 11
Sept 22	EXAM I Nervous System	12-15
Sept 29	Nervous System, cont. Senses	16, 17
Oct 6	Senses cont. EXAM II	
Oct 13	Endocrine System	18
Oct 20	Cardiovascular System Cardiovascular System cont & Lymphatic System	19- 20 21, 22
Oct 27	Cardiovascular System cont & Lymphatic System	
Nov 3	EXAM III Respiratory System	23
Nov 10	Digestive System	24
Nov 17	Digestive EXAM IV	26
Nov 24	Urinary System. HOLIDAY NOVEMBER 27	
Dec 1	Fluids & Electrolytes	27

FINAL EXAMINATION: Tue, Dec 16, 10:30 – 1:00

HINTS FOR STUDYING

1. Keep up with the assignments per class period. This course will cover much material, and it will be very difficult to catch up after missing even a single class assignment.

STUDY EACH DAY !!

2. **Plan to spend at least 3 hours (most likely more) studying for every in-class hour.**

3. Look at study questions after reading and learning material. Study questions should be used to evaluate your knowledge of the materials. Be sure to understand the philosophy behind answers to the questions. Many exam questions will be based upon the study questions.

4. Read chapters before class, take notes in class, rewrite and review notes after each class.

5. After reading the chapter and after the lecture, make an outline of each chapter to help organize the material.

I. Macromolecules

A. Nucleic Acids

1. Bases

2. Sugars

3. Phosphate

4. Major reactions

B. Proteins

6. If a particular topic is not thoroughly understood, read that material in a different text and/or a web source (<http://www.google.com>). Reading the same topic from a different author's perspective helps understanding.

7. If something is still unclear after doing the above, then immediately consult instructor. Reading different sources and trying to work through difficulties for understanding enhances learning.

GRADING CRITERIA ARE ESTABLISHED. DO NOT ASK FOR EXTRA CREDIT, STUDY THE MATERIAL EACH DAY. NO CURVES, DO NOT ASK. CONSULT INSTRUCTOR IF SUBJECT AREAS OR QUESTIONS ARE NOT UNDERSTOOD

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DIRECTIONS

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