Revised by: Joyce Kronberg
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WEST VIRGINIA UNIVERSITY AT PARKERSBURG
UNIFORM COURSE SYLLABUS

Name of Course: **Anatomy & Physiology 2** Course No. **Biology 108**

Department: **Biology** Division: **Natural Sciences/Mathematics**

I. Course Objectives

1. Present study of normal functioning of respiratory, circulatory, lymphatic, urinary, endocrine, digestive, and reproductive systems.

2. Understand consequences of system disorders by emphasis on normal physiology.

3. To promote critical thinking and reasoning in biology.

II. Topics to Be Studied
How will course objectives be met?

This course considers all systems not covered in Biology 107. Areas considered include internal/external transport of gases to the cells and from the cells, circulation with emphasis on heart action, blood chemistry and morphology, vessel actions and lymphatic return of fluids, renal function in fluid and ionic balance, chemical and mechanical aspects of digestion and absorption, hormone action and disorders, and lastly the reproduction system with emphasis on meiosis, system anatomy and physiology and development of the fetus.

III. Special Projects to Be Included in Course

Research papers	**Reports**
Surveys	**Annotated bibliographies**
Other	Service Work (some years)

1. Computer review of some systems (optional to student).
2. Study of specimens in learning center (optional, but highly recommended).
3. Labs on physiology of respiration, circulation, urine composition, digestion.
   Labs on anatomy (pig dissection) of all systems.
   Microscopic labs on organs - lungs, heart, GI, kidney, reproductive organs.
   Mathematical calculations for respiratory, circulatory action.
4. Lab analysis for physiology experiments.

IV. Methods of Student Evaluation

Tests (how many? how often? what type?)
Quizzes
Oral Presentations
Written Papers
Laboratory Activities
Clinical Experiences

1. Tests - 4 every 4 weeks.
   Types -= multiple choice, essays, math calculation, fill-in-the-blanks, critical thinking multiple choice problems in clinical situations to be solved.
2. 3 lab practicals - identification and test analysis and calculations.
3. Comprehensive final over all lecture and lab materials.
4. Labs - dissections, physiology experiments and interpretations.

V. Assessment of Outcomes

What measurements will be used to demonstrate that outcomes have been reached? (Refers to class as a whole, not individual students.)

Lecture work - 75% of grade
Lab work - 25% of grade
Grade Scale - 90-100% = A
80- 89% = B
70- 79% = C
60- 69% = D
Below 60% = F

VI. Other Information

What additional information will help to clarify the course?

This course is a continuation of Biology 107 and will complete the consideration of the body of the human. Normal functions and anatomy is emphasized as in Biology 107. This course is designed to be a precedent for clinical consideration in all allied health programs.