

**Summer 2015**

**PHYS 231-M01 PHYSICS/BIOPHYSICS I 3.0 hrs.**

**MTWRF 8:00 AM – 9:40 PM**

**TCCW 251**

Pre-requisite: Algebra and Trigonometry; Co-requisite: PHYS232 (Lab)

Office Hours: Tu W 9:40 – 10:40AM and by Appointment

Textbook: PHYSICS, 7<sup>th</sup> Edition, Giancoli

**Course Description:** This is a general education science class with a lab. The first half of a basic course for students of the life sciences, covering the topics of mechanics, heat and thermodynamics, properties of matter, waves and sound. Emphasis is on an understanding of the physical principles operative in biological systems and on the application of physical methods in biology and medicine.

**Course Outline** (Sample topics shown, changes may be made if necessary and will be announced as soon as possible)

5/18: Course Introduction

5/19: Chapter 1

5/20: Chapter 2

5/21: Chapter 3

5/22: Chapter 4

**5/25: No Class: University Closed**

5/26: Review Chapters 1-4

**5/27: TEST #1**

5/28: Chapter 5

5/29: Chapter 6

6/1: Chapter 7

6/2: Chapter 8

6/3: Review Chapters 5-8

**6/4: Test #2**

6/5: Chapter 9

6/8: Chapter 10

6/9: Chapter 11

6/10: Chapter 12

6/11: Review Chapters 9-12

**6/12: Test #3**

6/15: Chapter 13

6/16: Chapter 14

6/17: Chapter 15

6/18: Course Review

6/19: **FINAL EXAM: 8:00AM – 10:00AM in TCCW 251**

**Assignments, Testing, and Attendance:** Homework and Quizzes must be completed online by each due date. Late homework/quizzes will not be accepted and assigned a grade of zero. Attendance is expected, and consistent with WKU policy you are responsible for the content of conduct of each class. Any excessive unexcused absences may be grounds for failing the class. **Quizzes, Tests, and Final Exam:** There will be 3 (three) Tests, and 1 (one) Comprehensive Final Examination. A grade of zero will be assigned for any missed Quiz, Test, or the Final Exam unless exceptional circumstances are proven.

**Grading: A:  $\geq 90$ ; B: 80 – 89; C: 70-79; D: 60-69; F:  $\leq 59$**

Overall grades will be determined as follows: **Final Exam (20%), Tests (20% for each Test: 60% total), Homework (10%), Quiz (10%).** All grades in each category are the average score of all grades, rounded the nearest whole number.

**Course Note:** You will be required to complete your homework using Mastering. **The most cost effective way to access Mastering is to purchase the textbook package in the bookstore.** If you do purchase a used book, you must purchase a Mastering Standalone Access Code from the bookstore or you can purchase access directly online from Pearson. **Do not attempt to purchase Mastering at Amazon, AbeBooks, CHEGG etc. as these sites are known to sell used codes and the publisher of Mastering is not able to help or give you a refund.**

**Students with disabilities: Student Disability Services**

In compliance with university policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Office for Student Disability Services in Downing University Center, A-200. The phone number is 270-745-5004. Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

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