

## Physics 213 Section 2

### Course Information:

Tu Th 4:00 – 5:15 pm Brevard 134

### Textbook:

Physics Principles with Applications Volume 1, 7<sup>th</sup> Ed. / Douglas C. Giancoli/ ISBN-13: 9780321762429/ ISBN-10: 0321762428

### Instructor:

Dr. Bin Xiao ([bxiao@olemiss.edu](mailto:bxiao@olemiss.edu))

Office: 121A Lewis Hall

Office Hours: Tu Th 2:30 – 3: 45 pm and by appointment

Phone: 6629153887

### Description of the Course:

This is the first semester of a two-semester sequence in an introductory level general physics course. We use “flip classroom” pedagogy in this class. You are expected to read textbook before coming to the class and participate the in-class activities. On average, you should expect to spend 8 hours/week outside the classroom to do reading, homework and other assignments.

### Required Items:

Classroom Response System: TopHat. Students must purchase access to TopHat and enroll this class in TopHat. This app can be used on your phone, labtop, desktop, ipad, etc.

Scientific calculator. Any calculator with trigonometric functions, exponential functions and scientific notation. You need to bring it to the class for in-class activities.

### Grading Scale

- $92\% \leq \mathbf{A} \leq 100\%$
- $88\% \leq \mathbf{A-} < 92\%$
- $84\% \leq \mathbf{B+} < 88\%$
- $80\% \leq \mathbf{B} < 84\%$
- $76\% \leq \mathbf{B-} < 80$
- $72\% \leq \mathbf{C+} < 76\%$
- $68\% \leq \mathbf{C} < 72\%$
- $64\% \leq \mathbf{C-} < 68\%$
- $50\% \leq \mathbf{D} < 64\%$
- $\mathbf{F} < 50\%$

**Evaluation:**

Tests: (45%)

3 closed-book tests: 15% each

Homework: (20%)

Homework is assigned each day in the class. You need to turn in written homework solutions on paper by beginning of the class of the same day in the following week. A penalty of 20% per day of delay is added to late homework submission. Turning in on the same day after the class counts as 1 day of delay.

Attendance: (5%)

Attendance of the class is collected by participation of TopHat responses.

Correctness of the answer is not required for attendance.

Class attendance will be verified for University purposes during the first two weeks of class.

Final Exam: (30%)

Final exam is comprehensive, closed book.

Total: 100%

**Tests and Final Exam:**

Test dates and topics are subject to change. The final exam date is fixed and cannot be changed.

Test 1: 9/21 Chapter 1-5

Test 2: 10/17 Chapter 6-8

Test 3: 11/9 Chapter 9-12

Final exam: Wednesday, Dec. 6, 4-7 pm

**The Exam Fixer Bonus:**

There are *individual* bonuses for you to collect in class or after class. At the end of the semester, you can exchange your bonuses for up to 30% (exchange rate will be posted before Final Exam, highest level will get 30% and lower level of bonuses will get lower percentage) of the points you lost in the final exam.

**Policies:**Academic Integrity

Every student of the University of Mississippi, by virtue of choosing to be part of the university community agrees to abide by the University of Mississippi Creed and the [UM Academic Integrity Policy](#) which covers academic integrity. Please consult the M-Book, Academic Integrity document for details on university policy and the academic creed.

Cheating is forbidden and will result in a zero grade on the assignment. If a second case of cheating occurs, this will result in an F for the entire course.

### *UM Creed*

The University of Mississippi is a community of learning dedicated to nurturing excellence in intellectual inquiry and personal character in an open and diverse environment. As a voluntary member of this community:

- I believe in respect for the dignity of each person
- I believe in fairness and civility
- I believe in personal and professional integrity
- I believe in academic honesty
- I believe in academic freedom
- I believe in good stewardship of our resources
- I pledge to uphold these values and encourage others to follow my example

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### University of Mississippi Access and Inclusion

The University of Mississippi is committed to the creation of inclusive learning environments for all students. If there are aspects of the instruction or design of this course that result in barriers to your full inclusion and participation or to accurate assessment of your achievement, please contact the course instructor as soon as possible. Barriers may include, but are not necessarily limited to, timed exams and in-class assignments, difficulty with the acquisition of lecture content, inaccessible web content or the use of non-captioned or non-transcribed video and audio files. Students must also contact Student Disability Services at 662-915-7128 so that office can 1) provide you with an Instructor Notification form, 2) facilitate the removal of barriers and 3) ensure you have equal access to the same opportunities for success that are available to all students.

### Audio and video recording

Audio and/or video recording of class lectures is not allowed unless explicit permission is given by the instructor. Permission will only be given if the student has a Student Disability Services request. In such cases, recordings may only be used by the student to whom permission is given and all recordings must be deleted at the end of the semester. Recordings may not be distributed online or elsewhere.