

PHYSICS 533 - Spring 2023

Professor:	Dr. Mark G. Kuzyk
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Office hours:	After class or by appointment

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Required Text:	H. B. Callen, <i>Thermodynamics, 2nd edition.</i>
Dictionaries:	An English dictionary or dictionaries that translate between a foreign language and English may be used by any student at any time.
Homework:	Assigned every one to two weeks. Check Web Site for due dates No late homework accepted,
Exams:	Rules to be determined

Grading:

<u>Midterm Exam:</u>	35%
<u>Homework:</u>	20% (The lowest two homework scores will be dropped.)
<u>Final Exam:</u>	45%

Note that there are no make-up exams.

Class Overview

The ideal way to learn Physics is to come to class well prepared, so every student should read the material and start the homework problems **before** that material is covered in lecture. We will cover the textbook mostly in a linear fashion, but with extra material inserted when needed to expand on a topic.

Homework Assignments

Homework problems will be assigned before the material is covered in class. You have from a few days to two weeks to do each assignment. Any homework that is submitted after the start of class on the due date will be considered late and you will get a zero, no exceptions (I drop the two lowest grades). I may choose to grade only parts of the assigned homework.

Exams and homework: All work should be neat and all steps clearly explained. Any solutions that are illegible will get a zero.

Academic Honesty: It is considered cheating to use past homework solutions, solutions that you find on the web or solution manuals. Sources that you may use include the textbook, class notes and your own intellect. Furthermore, while you can discuss approaches to solving homework problems with others, it is unethical to copy or paraphrase any portion of a classmate's homework. Similarly, exams must be your own work. Any student caught cheating will be punished to the maximum extent allowed within university guidelines - which can include failing the class, loss of teaching assistantship, or expulsion from WSU. Each of you are responsible for knowing what constitutes ethical behavior by visiting the WSU website. Saying that you were not aware that a particular infraction was dishonest is not an excuse.

Note that it is acceptable to use *Mathematica* (or similar programs) or an integral table to evaluate an integral. However, you must reference the source of your integral. **I will NOT accept *Mathematica* output.** You must write out all homework solutions by hand, or in LaTeX. However, you may reference *Mathematica* if you used it to do an integral without having to write out the details.

Grading: I will grade on a scale of 0-4. This scale corresponds approximately to a letter grade on a four-point scale. Once I have determined each student's average score at the end of the semester (weighted as described above), I will use the class distribution to determine the final grades. A grade of 3 corresponds to the minimum competence expected of a graduate student and is not an indication that you correctly completed 75% of the work.

COURSE SYLLABUS

Please check the web for updated reading materials, homework assignments, and announcements. The link to the web site can be found at http://www.physics.wsu.edu/academics/grad_courses.htm

Midterm: Tentatively scheduled for April 7th, in class.

Final Exam: Thursday May 4th, 1:10 pm - 4:00pm.