

Physics 330, Spring 2022, Course Schedule

Instructor: Dr. Matthew M. Waite, SECC369, ext: 2573, mwaite@wcupa.edu

The best way to contact me is via e-mail. But, be aware that **I will only read and respond to e-mails written in proper English, with correct grammar, spelling, and etiquette.** Do not send me any e-mails addressed to “hey” written in text-speak like you’re talking to your roommate about meeting up at Barnaby’s tonight... I might meet up for happy hour, but I won’t answer any questions about class or homework!

It is expected that faculty, staff, and students activate and maintain regular access to University provided e-mail accounts. Official university communications, including those from your instructor, will be sent through your university e-mail account. You are responsible for accessing that mail to be sure to obtain official University communications. Failure to access will not exempt individuals from the responsibilities associated with this course.

Class Meeting: Lecture MW 11-11:50 AM (SECC368); Lab T 9:30 - 11:30 AM (SECC368)

Office Hours: MWF 9-10 AM, F 10-11 AM, T 2-3 PM, or by appointment

(Scan QR code to email me for an appointment request).

Course Web Page: [D2L](#)



Course information can be found here throughout the semester. The syllabus, homework problem solutions, and other interesting stuff can be found here. Check it periodically!!

Text: Electronics for the Undergraduate Physicist, by Matthew M. Waite (Dynamic Publishing)

Lab Text: Physics 330 Lab Manual, by Matthew M. Waite (Dynamic Publishing)

Grading:	3 tests (15% each)	45%
	Cumulative Final	20%
	Homework	15%
	Laboratory	20%

Attendance:

Attendance is mandatory. You are expected to attend every class period, period. Absences due to COVID exposure (needs to be verified) or University-Sanctioned Events are the only exception, and you are to inform your instructor at least one hour BEFORE class to avoid penalty. You are expect to be in class on time as well. Late arrivals will be considered absences.

Excused absences are limited to University-Sanctioned Events (which follow the Excused Absence Policy for University-Sanctioned Events as described in the West Chester University Undergraduate Catalog), and absences due to serious illness or injury (verified by a practicing MD, you must provide me with a phone number), or the death of family members (also to be verified.)

Cell phones and texting are NOT ALLOWED during class. Cell phone use is disruptive to your classmates and to your instructors. Please turn off your phones or put them on **silence**, tuck them away in your bookbag, purse or European carry-all, and forget about them until after class. If I see anyone texting or using their cell phones during class, I will take 5 points off of the nearest exam grade (that’s 5

full points out of 100), and you will be considered “absent” for that day, since you are obviously not mentally present.

Exams:

There will be three exams over the course of the semester. I will try to arrange to administer these at alternative times during the week in order to allow for extra time, but this may prove to be difficult considering the number of students enrolled this semester.

Laboratory:

Just about each week, you will have a laboratory exercise. You will have 2 hours of class period during which you are to get started on the experiment. I will be present during this time to answer any questions you might have and to make sure you get started correctly. If you do not finish the exercise in the allotted time, you are to complete the lab exercise by the following class period. Again, you may come ask me questions during my office hours throughout the week, but you are EXPECTED to stay during your scheduled lab time. If you finish the lab early (which won't happen often) you may spend the rest of the time experimenting with the electronics simulation software. The schedule of labs is included on the schedule posted on D2L.

On days (weeks) we do not have a lab exercise scheduled. You are to use the time to get caught up on reading the text, completing assignments, and studying course material. This should not be regarded as “free time” or a “day off”, but rather time for you to make sure you are up to speed on the course material and prepared for lecture and the next weeks lab assignment.

Homework:

For each chapter, I have posted an assignment of selected problems. These problems will be selected from the current version of the text and will be posted on D2L. The due date is clearly indicated. All homework is due by 8:00 pm on the indicated due date. No homework will be accepted after 8:00 pm on the due date. Solutions will be posted on the web after the due date. Be sure to check the solutions, in most cases I have made every attempt to present the most straightforward solution to a given problem.

At the end of the semester, one homework grade will be dropped, so, if you miss one assignment, it's no big deal. But you don't want to make a habit of it; it could be very damaging to your grade at the end of the semester. Homework is worth 15% of your final grade, as much as any one exam!

I encourage you to discuss the homework problems together, and to work and learn together, but any assignment you turn in for a grade must be **YOUR OWN WORK!!** It is in your best interest to learn how to do the problems yourself.

Online homework solution “aids”, such as (but not exclusively limited to) Chegg, Cramster, Course Hero, Clutch Prep, etc. are not allowed. Using these sites in this course is considered cheating and is grounds for a WCU Academic Integrity Violation which could result in failure of the course. If you want/need *any* assistance on homework assignments, you should see me, your course instructor. **DO NOT USE ANY ONLINE RESOURCES ON HOMEWORK IN THIS CLASS.**

Miscellaneous:

Please make any restroom visits before the class starts, or wait until it ends, the class is only 50 minutes. It is distracting to both the instructor as well as your fellow students when someone gets up and walks out of the classroom during lecture. Only in very rare circumstances will permanent physical

damage be done by waiting a few more minutes for class to end... In fact, many doctors claim that waiting up to 2-3 hours is no problem (except for a bit of discomfort) at all. Tell you what, if I go off on a tangent and babble on and on for 2-3 hours, I'll let you get up and take a break... promise.

Intellectual Property Statement: The instructor utilizes copyrighted materials under the “Freedom and Innovation Revitalizing United States Entrepreneurship Act of 2007” (Fair Use Act). Apart from such copyright protected materials, all other intellectual property associated with this course is owned and copyrighted by the instructor, including, but not limited to, lectures, course discussions, course notes and supplementary materials posted or provided to students authored by the instructor, assessment instruments such as exams, and presentation slides. No recording, copying, storage in a retrieval system, or dissemination in any form by any means of the intellectual property of the instructor, in whole or in part, is permitted without prior written permission of the instructor. 5 homework points, send me an email with the subject time “Found It” to get 5 extra points on a homework assignment. Do not tell anyone about this if you do find it. When such permission is granted, it must specify the utilization of the intellectual property and all such permissions and waivers shall terminate on the last day of the finals in the semester in which this course is held.

Links and references to on-line resources provided by the instructor may lead to other sites. The instructor does not sponsor, endorse or otherwise approve of any information appearing in those sites, nor is responsible in any way for the content of those sites. The instructor makes no warranty or responsibility for the copyright status of such material. However, should problems with copyright status be brought to the attention of the instructor, reference to offending materials will be removed.

Common University Syllabus Content: (See Document on D2L)

ACADEMIC & PERSONAL INTEGRITY

It is the responsibility of each student to adhere to the university's standards for academic integrity. Violations of academic integrity include any act that violates the rights of another student in academic work, that involves misrepresentation of your own work, or that disrupts the instruction of the course. Other violations include (but are not limited to): cheating on assignments or examinations; plagiarizing, which means copying any part of another's work and/or using ideas of another and presenting them as one's own without giving proper credit to the source; selling, purchasing, or exchanging of term papers; falsifying of information; and using your own work from one class to fulfill the assignment for another class without significant modification. Proof of academic misconduct can result in the automatic failure and removal from this course. For questions regarding Academic Integrity, the No-Grade Policy, Sexual Harassment, or the Student Code of Conduct, students are encouraged to refer to the Department Undergraduate Handbook, the Undergraduate Catalog, the Ram's Eye View, and the University website at www.wcupa.edu.

STUDENTS WITH DISABILITIES

If you have a disability that requires accommodations under the Americans with Disabilities Act (ADA), please present your letter of accommodations and meet with me as soon as possible so that I can support your success in an informed manner. Accommodations cannot be granted retroactively. If you would like to know more about West Chester University's Services for Students with Disabilities (OSSD), please visit them at 223 Lawrence Center. The OSSD hours of Operation are Monday – Friday, 8:30 a.m. – 4:30 p.m. Their phone number is 610-436-2564, their fax number is 610-436-2600, their email address is ossd@wcupa.edu, and their website is at www.wcupa.edu/ussss/ossd.

EXCUSED ABSENCES POLICY

Students are advised to carefully read and comply with the excused absences policy, including absences for university-sanctioned events, contained in the WCU Undergraduate Catalog. In particular, please note that the “responsibility for meeting academic requirements rests with the student,” that this policy does not excuse students from completing required academic work, and that professors can require a “fair alternative” to attendance on those days that students must be absent from class in order to participate in a University-Sanctioned Event.

REPORTING INCIDENTS OF SEXUAL VIOLENCE

West Chester University and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment and to comply with Title IX of the Education Amendments of 1972 and guidance from the Office for Civil Rights, the University requires faculty members to report incidents of sexual violence shared by students to the University's Title IX Coordinator, Ms. Lynn Klingensmith. The only exceptions to the faculty member's reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred to the person designated in the University protection of minors policy. Information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence is set forth at the webpage for the Office of Social Equity at http://www.wcupa.edu/_admin/social.equity/.

EMERGENCY PREPAREDNESS

All students are encouraged to sign up for the University’s free WCU ALERT service, which delivers official WCU emergency text messages directly to your cell phone. For more information, visit www.wcupa.edu/wcualert. To report an emergency, call the Department of Public Safety at 610-436-3311.

ELECTRONIC MAIL POLICY

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