



DAVIS UNIVERSITY

COURSE SYLLABUS
PHS124: UNIVERSITY PHYSICS II
SUMMER QUARTER 2024

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COURSE SYLLABUS FOR: PHS124 UNIVERSITY PHYSICS II

CREDIT HOURS: 4 CREDIT

INSTRUCTOR:

INSTRUCTOR EMAIL:

INSTRUCTOR OFFICE HOURS:

COURSE DESCRIPTION: This course contains the study of electricity, magnetism, and topics in modern physics, including the concepts of electric charge and current, electric and magnetic fields, the application of Gauss' Law, electric potential, conductors and insulators, currents, basic circuits, induction, etc.

PREREQUISITES: University Physics I and Analytic Geometry And Calculus I

TEXT: *University Physics with Modern Physics*, 14ed. by Y. Hugh D. Young and Roger A Freedman, Pearson

LATE WORK POLICY: All students are expected to submit homework assignments on time. No late homework will be accepted and the student will receive a "0" (zero) for the homework

assignment. Should the student refuse to complete the assigned work for the class, it could result in the student failing the class. All work assigned is expected to be completed on the date assigned. The instructor reserves the right to alter the schedule as necessary.

PLAGIARISM AND COPYRIGHT INFRINGEMENT POLICY: Work that is found to be plagiarized receives a grade of zero and often causes a student to fail a class. Documentation of plagiarism is added to the student's academic file as a violation of accepted student conduct and is subject to disciplinary action. Plagiarism is the use of another person's exact words, or their ideas written in the student's words without giving the original author credit.

Plagiarism can result from any of the following:

- Quote material directly without using quotation marks.
- Paraphrase the original so that many of the phrases are the same as the original. A good rule is no more than 3 or 4 words in a row should be the same as the original.
- Copy the original sentence pattern, substitution synonyms for key words.
- Neglect to indicate the source of the original material.

ASSESSMENTS:

Content

Participation	10%
Exams	50%
Labs	20%
Quizzes	20%
Total	100%

COURSE GRADE: A = 93%-100%

B = 85%-92%

C = 77%-84%

D = 70%-76%

F = below 70%

TENTATIVE CLASS SCHEDULE:

(Subject to change)

Week: Date	Content Covered	Assignments & Assessment Due
Week 1:	Chapter 21 electric charge and electric field Chapter 22 gauss's law	Lab 1-Friday
Week 2:	Chapter 23 electric potential Chapter 24 capacitance and dielectrics Chapter 25 current, resistance, and electromotive force	Lab 2-Friday
Week 3:	Chapter 26 direct-current circuits Chapter 27 magnetic field and magnetic forces	Lab 3-Friday Midterm Exam-Thursday
Week 4:	Chapter 28 sources of magnetic field Chapter 29 electromagnetic induction Chapter 30 inductance	Lab 4-Friday
Week 5:	Chapter 31 alternating current Chapter 32 electromagnetic waves	Lab 5-Friday Final Exam-Friday