

PHYS 216 Course Outline, September 2022

Professor: Geoff Steeves, gsteeves@uvic.ca

Office Hours: Elliott 116 M-F 9:30-10:15 am

Lectures: Tue, Wed and Fri from 11:30-12:20, Elliott 060

Tutorials: Tuesdays 1:30 - 2:20 pm ECS 124

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Brightspace : Used to distribute course materials.

Textbook:

University Physics Volume 2:

<https://openstax.org/details/books/university-physics-volume-2>

Chapter 5: Electric Charges and Fields

Chapter 6: Gauss's Law

Chapter 7: Electric Potential

Chapter 8: Capacitance

Chapter 9: Current and Resistance

Chapter 10: Direct-Current Circuits

Chapter 11: Magnetic Forces and Fields

Chapter 12: Sources of Magnetic Fields

Chapter 13: Electromagnetic Induction

Chapter 14: Inductance

Chapter 15: Alternating-Current Circuits

Chapter 16: Electromagnetic Waves

Assignments:

Weekly from the textbook

Marks will be assigned as follows:

Laboratory work 25%

Assignments 25%

Midterm (tentative date Oct 24) 20%

Final Exam 30%

Note: You must pass the lab section of the course in order to pass the course.

UVic Equity and Diversity :

UVic is committed to upholding the values of equity, diversity, and inclusion in our living, learning and work environments. We know that diversity underpins excellence, and that we all share responsibility for creating an equitable, diverse and inclusive community. We recognize that many of the identities of members of groups with historical and/or current barriers to equity intersect and that therefore, equity, diversity and inclusion can be complex. We value the contributions that each person brings, and are committed to ensuring full and equal participation for all in our community.

<https://www.uvic.ca/science/home/equity-and-diversity/index.php>

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Academic integrity is built on honesty, respect and fairness. Students, faculty and staff at UVic are members of an intellectual community. As such, it is expected that we will adhere to ethical values in all our learning, teaching and research. We have many resources on academic integrity. One of the best ways to get information is to talk to your instructors and TAs. They can help you understand and follow the complex rules of academic integrity.

<https://www.uvic.ca/students/academics/academic-integrity/index.php>