

Physics 211 Electricity and Magnetism Second Semester 2018-2019

- **Instructor information:** Wafic Sabra, ws00@aub.edu.lb, Emile Bustani, Rm. 317, Ext. 4293.
- **Office hours:** Tuesdays, Thursdays, 9am-11am, or by appointment.
- **Course evaluation:** Evaluation of performance will be based on two quizzes, homework, and a final examination. The first quiz is on Monday, the 4th of March (20%), the second one is on Wednesday, the 3rd of April (20%), Homework (10%) and a Final exam (50%). Each quiz covers the material introduced up to that date. The final is a comprehensive examination over the whole material.
- **Topics:** The topics to be covered in this course are: Electrostatics, current, Electric Fields, Gauss Law, Electric Potential, Capacitance and Dielectrics, Current and Resistance, Direct Current Circuits, Magnetic Fields, Sources of the Magnetic Field, Faraday's Law, Inductance, Alternating Current Circuits, Maxwell Equations.

These topics are covered in chapters: 21-32 of Principles of Physics, tenth edition by Walker, Halliday and Resnick. Same Chapters if you are using an earlier edition of the book (such as the 9th Edition, Fundamentals of Physics).

The course will consist of two general lectures per week followed by a recitation session for problem solving.

UNIVERSITY POLICIES

Academic Integrity:

Please refer to AUB Student Code of Conduct:

<http://www.aub.edu.lb/pnp/generaluniversitypolicies/Documents/StudentCodeConduct/StudentCodeConduct.pdf> , in particular section 1.1, which concerns academic misconduct including cheating, plagiarism, in-class disruption, and dishonesty. Please be aware that misconduct is vigorously prosecuted and that AUB has a zero tolerance policy. Course policy is that credible evidence of cheating will result in course failure. Recommended Accessibility Statement to Acknowledge the Unique Learning Needs of

Students with Disabilities:

AUB strives to make learning experiences as accessible as possible. If you anticipate or experience academic barriers due to a disability (including mental health, chronic or temporary medical conditions), please inform me immediately so that we can privately discuss options. In order to help establish reasonable accommodations and facilitate a smooth accommodations process, you are encouraged to contact the Accessible Education Office: accessibility@aub.edu.lb; +961-1- 350000, x3246; West Hall, 314.

Non-Discrimination

AUB is committed to facilitating a campus free of all forms of discrimination including sex/gender-based harassment prohibited by Title IX. The University's non-discrimination policy applies to, and protects, all students, faculty, and staff. If you think you have experienced discrimination or harassment, including sexual misconduct, we encourage you to tell someone promptly. If you speak to a faculty or staff member about an issue such as harassment, sexual violence, or discrimination, the information will be kept as private as possible, however, faculty and designated staff are required to bring it to the attention of the University's Title IX Coordinator. Faculty can refer you to fully confidential resources, and you can find information and contacts at www.aub.edu.lb/titleix . To report an incident, contact the University's Title IX Coordinator at 01-350000 ext. 2514, or titleix@aub.edu.lb . An anonymous report may be submitted online via EthicsPoint at www.aub.ethicspoint.com.