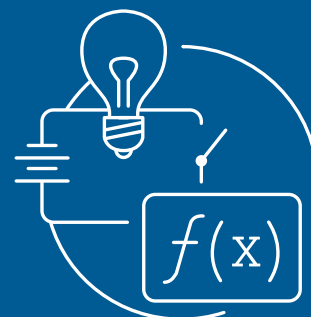


## AP PHYSICS C: ELECTRICITY AND MAGNETISM

AP<sup>®</sup> Daily: Live Review

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**AP Teachers:** Marsha Hobbs & Dee Dee Messer



The [AP Physics C: Electricity and Magnetism Course and Exam Description](#) is the core document for an AP course. It clearly lays out course content and skills and describes the exam and AP Program in general.



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Session	Session Title	Session Description	Topics	Skills
<b>1</b> MONDAY 4/19/2021	<a href="#">Electric Forces and Fields</a>	In this video, we will review the properties of electric charge, electric force (Coulomb's law) and electric fields, including Gauss's law.	1.1 1.2 1.4	1.D 6.B 5.B 6.C 5.E 7.A 6.A
<b>2</b> TUESDAY 4/20/2021	<a href="#">Electric Potential Energy and Electric Potential</a>	In this video, we will review the concepts of electric potential energy and electric potential using equations and field maps.	1.2 1.3 1.5	1.A 5.E 1.D 6.C 3.D
<b>3</b> WEDNESDAY 4/21/2021	<a href="#">Conductors, Capacitors, and Dielectrics</a>	In this video, we will review electrostatic equilibrium for conductors, and the charge, potential difference, power and field for parallel plate, cylindrical and spherical capacitors, with and without dielectrics.	2.1 2.2 2.3	1.D 5.B 2.B 5.E 4.C 6.C 4.D 7.A 5.A

Session	Session Title	Session Description	Topics	Skills
<b>4</b> THURSDAY 4/22/2021	<a href="#">DC Circuits, Also Circuits with Resistors &amp; Capacitors</a>	In this video, we will review the components of steady-state DC circuits and circuits that contain capacitors and resistors.	<b>3.1 3.3</b> <b>3.2 3.4</b>	<b>3.C 5.E</b> <b>5.C 6.C</b>
<b>5</b> MONDAY 4/26/2021	<a href="#">Understanding Magnetic Fields and Forces</a>	In this video, we will review the magnetic fields produced from moving charges and a current-carrying wire. We will also review how to calculate the magnetic force acting on a moving charge and a current-carrying wire.	<b>4.1 4.3</b> <b>4.2 4.4</b>	<b>1.D 5.A</b> <b>3.D 5.E</b>
<b>6</b> TUESDAY 4/27/2021	<a href="#">Everything You Need to Know about Electromagnetic Induction</a>	In this video, we will review Faraday's and Lenz's laws and look at some common examples.	<b>5.1</b>	<b>2.B 6.C</b> <b>4.A 7.A</b>
<b>7</b> WEDNESDAY 4/28/2021	<a href="#">Understanding Inductance and Maxwell's Equations</a>	In this video, we will review the properties and behavior of inductors and Maxwell's equations.	<b>5.2</b> <b>5.3</b>	<b>1.C 7.D</b> <b>6.A</b>
<b>8</b> THURSDAY 4/29/2021	<a href="#">Test-Taking Tips and Strategies</a>	In this video, we will review common test-taking strategies useful for the AP Physics C: E&M Exam.	<b>N/A</b>	<b>1.D 4.E</b> <b>3.A 5.E</b> <b>3.C 6.B</b> <b>3.D 6.C</b> <b>4.C</b>



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