What are the courses about?

What are the requirements?

Who should take it and why?

AP PHYSICS 1 + AP PHYSICS C

This Course is About . . .

AP PHYSICS 1

- Classical Mechanics and Circuits
 - How do single objects move by themselves and interact with others?
 - How do objects spin?
 - How do we send signals?
- Experimental Design
 - What questions are worth asking?
 - How can you plan an experiment that will answer your question?
 - How will you know that your data have satisfactorily answered your question?
- Scientific Argumentation
 - Form your own ideas **around** evidence.
 - Use that evidence in presenting your ideas.
 - Use logical arguments to point out flaws in your own ideas an the ideas of others.

AP PHYSICS C

- Classical Mechanics, Circuits, and Electromagnetism (With Calculus)
 - How does the shape of an object affect how it moves by itself and interacts with others?
 - Why are some materials magnetic and how is electricity *related* to magnetism?
- Experimental Design
 - What questions are worth asking?
 - How can you plan an experiment that will answer your question?
 - How will you know that your data have satisfactorily answered your question?
- Scientific Argumentation
 - Form your own ideas **around** evidence.
 - Use that evidence in presenting your ideas.
 - Use logical arguments to point out flaws in your own ideas an the ideas of others.

This Course is About . . .

AP PHYSICS 1

- Classical Mechanics and Circuits
 - How do single objects move by themselves and interact with others?

AP PHYSICS C

- Classical Mechanics, Circuits, and Electromagnetism
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You should consider taking these courses if . . .

- You plan to major in any type of engineering (including computer) or physical science.
- You are planning on a career in the biological or medical sciences.
- You've ever wondered . . .
 - why water doesn't fall out of a straw when you stick your thumb on top.
 - how musical instruments are designed to get the notes right.
 - what would happen if you drilled a hole through the center of the earth and dropped a soccer ball into the hole.
 - Why Isaac Newton invented Calculus in the first place.

Potential Students should . . .

AP PHYSICS 1

- Have successfully completed Geometry by the start of the next school year.
- Have successfully completed or be enrolled in Algebra II by the fall semester of next year.
- Be willing to become creative and risk-taking problem-solvers.

AP PHYSICS C

- Have successfully completed Physics P or AP Physics 1 by the start of the next school year.
- Have completed or be enrolled in AP Calculus AB or AP Calculus BC by the fall semester of next year.
- Be willing to become creative and risk-taking problem-solvers.