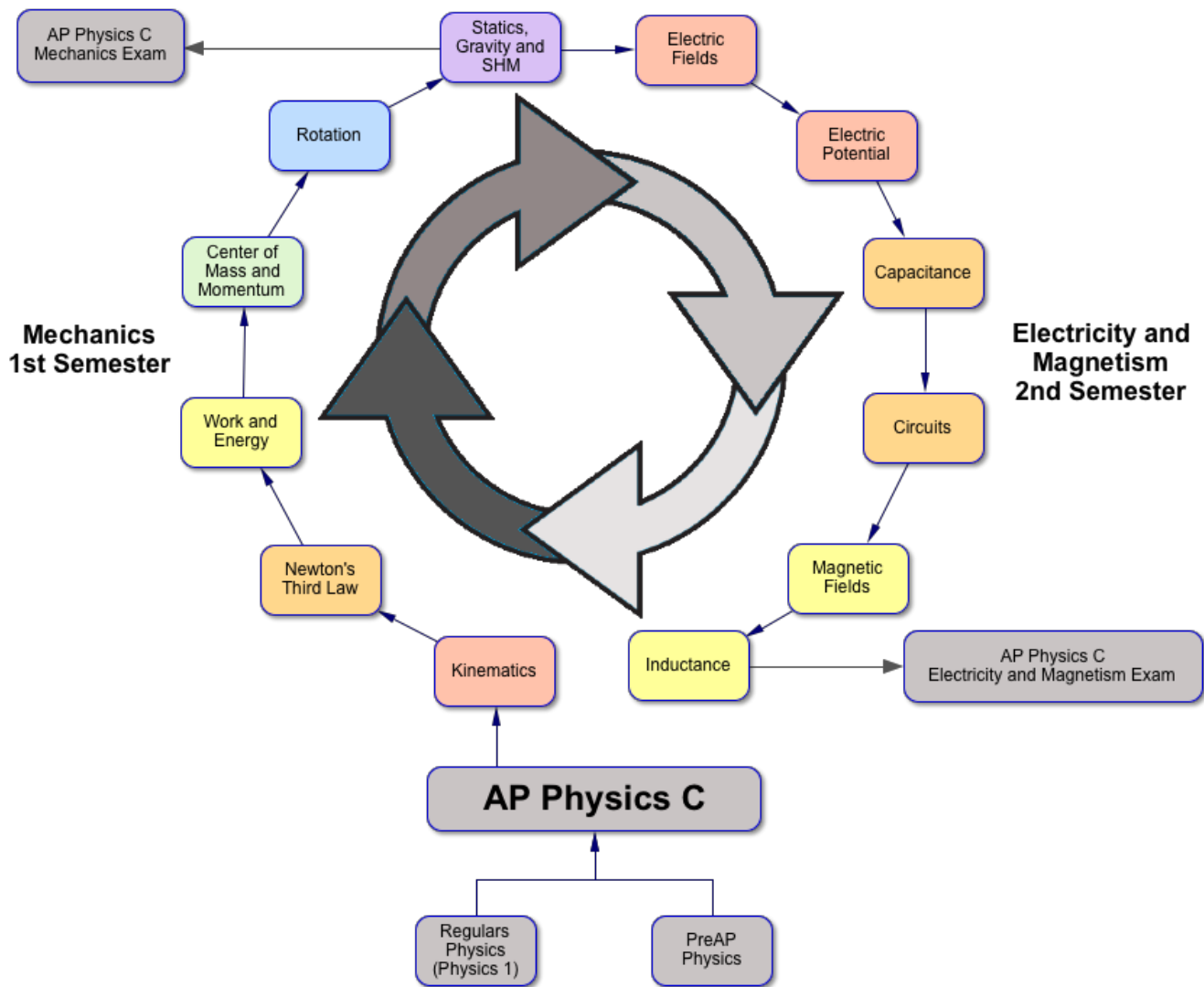


AP Physics C Concept Map



This course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Students need to either have taken Calculus or be concurrently enrolled. The sequence is more intensive and analytic than that in the AP Physics 1-2 course. In addition to developing conceptual understanding, strong emphasis is placed on solving a variety of challenging problems. The subject matter of the AP Physics C course is mechanics and electricity & magnetism, with approximately equal emphasis on these two areas. It should be noted that although fewer topics are covered in Physics C than in Physics 1-2, they are covered in greater depth and with greater analytical and mathematical sophistication.

AP Physics C is taught as a continuation of either level of first-year physics.

Students who take credit by exam (CBE) or eSchool to accelerate their study of physics are not adequately prepared for AP Physics. This does not preclude them from taking the course but will typically require more work outside the classroom to achieve the same level of success as students who follow the traditional sequence of a first-year physics course.



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