

## College Physics (Summer 2006, First Session)

Website: [http://academic.evergreen.edu/curricular/College\\_Physics\\_2006](http://academic.evergreen.edu/curricular/College_Physics_2006)

Instructor: David McAvity (Lab1 1016, [mcavityd@evergreen.edu](mailto:mcavityd@evergreen.edu))

### Description:

This is an intensive 5-week college level physics course that will offer an introduction to fundamental topics in physics, including kinematics, dynamics, electricity and magnetism. There will be an emphasis on understanding the concepts, but problem-solving skills will also be developed. There will be one laboratory exploration a week, so that students will also gain some hands on experience in experimental physics. The course will provide a good foundation for those wishing to pursue careers in medicine, engineering or the physical sciences. Those students who need a full year of college physics will be able to do so in the second session through contracts.

### Syllabus Outline:

Week 1	Kinematics and Dynamics
Week 2	Energy and Momentum
Week 3	Circular Motion and Gravitation
Week 4	Electricity
Week 5	Magnetism

### Schedule:

Monday	9:00-11:30	Lecture	Lab1 room 1037
	11:30-1:00	Workshop	Lab1 room 1037
Tuesday	9:00-11:30	Lecture	Lab1 room 1037
	11:30-1:00	Workshop	Lab1 room 1237
Wednesday	9:00-11:30	Lecture	Lab1 room 1037
	12:30-3:30	Lab	CAL
Thursday	9:00-11:30	Lecture	Lab1 room 1037
	11:30-1:00	Workshop	Lab1 room 1037

### Textbook:

College Physics, 4th Edition, by Wilson and Buffa, Prentice Hall, ISBN 0-13-082444-5 (available only online. Look on [www.addall.com](http://www.addall.com) for a list of sellers).