

College Physics (Summer 2010, First Session)

Website: <http://academic.evergreen.edu/curricular/physics10/>

Instructor: David McAvity (Lab1 1024, 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 lab 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 1040
	11:30-1:00	Workshop	Lab1 room 1040
Tuesday	9:00-11:30	Lecture	Lab1 room 1040
	11:30-1:00	Workshop	Lab1 room 1040
Wednesday	9:00-11:30	Lecture	Lab1 room 1040
	12:30-3:30	Lab	CAL
Thursday	9:00-11:30	Lecture	Lab1 room 1040
	11:30-1:00	Workshop	Lab1 room 1040

Textbook:

College Physics, 6th Edition, by Wilson and Buffa, Prentice Hall, ISBN 0131-49579-8 (available cheaper online. Look on www.campusi.com or www.addall.com for a list of sellers).