COURSES

PDF PHYSICS

PHYS180L Physics for Scientists and Engineers Lab I 1 Credit

Prerequisites: MATH181; Corequisites: PHYS180 Explores vectors, rectilinear motion, particle dynamics, work and energy, momentum, rotational mechanics, oscillations, gravitation, fluids, wave properties and sound. Students must co-enroll in both lecture and lab to receive credit.

PHYS181L Physics for Science and Engineers Lab II 1 Credit

Prerequisites: MATH182 & PHYS180; Corequisites: PHYS181 Explores electric fields, potential, current, dielectrics, circuits, magnetic fields, electromagnetic oscillations, thermodynamics and kinetic theory of gases. Students must co-enroll in both lecture and lab to receive credit.

PHYS182L Physics for Scientists and Engineers Lab III 1 Credit

Prerequisites: MATH182 & PHYS181; Corequisites: PHYS182 Explores light, optical systems, relativity, wave aspects of particles, quantum mechanics, statistical mechanics, semiconductors, radioactivity, nuclear physics and particles. Students must co-enroll in both lecture and lab to receive credit.

PHYS100 Introductory Physics 3 Credits

Prerequisites: MATH120,MATH126 or higher Introduces students to a broad range of concepts in physics from basic classical mechanics to modern physics. Students will conduct at least four experiments with many demonstrations performed throughout the course.

PHYS151 General Physics I 4 Credits Prerequisites: MATH126 & MATH127,MATH128 or equivalent Provides a course in physics for students in arts and science, medicine and dentistry, and agriculture. Emphasis is on mechanics, heat, and sound.

PHYS152 General Physics II 4 Credits

Prerequisites: PHYS151 Emphasizes light, electricity, magnetism and nuclear physics.

PHYS180 Physics for Scientists and Engineers I 3 Credits

Prerequisite: MATH 181. Corequisite: PHYS 180L. Explores vectors, rectilinear motion, particle dynamics, work and energy, momentum, rotational mechanics, oscillations, gravitation, fluids, wave properties and sound. Students must co-enroll in both lecture and lab to receive credit.

PHYS181 Physics for Scientists and Engineers II 3 Credits

Prerequisites: MATH 182 AND PHYS 180. Corequisite: PHYS 181L. Explores electric fields, potential, current, dielectrics, circuits, magnetic fields, electromagnetic oscillations, thermodynamics and kinetic theory of gases. Students must co-enroll in both lecture and lab to receive credit.

PHYS182		Physics for Scientists and				
		Er	nginee	rs III	3 CI	redits
Prerequis	site:	PHYS	181.	Corequi	site:	PHYS
182L.	Explo	ores	light,	optical	sy	stems,

relativity, wave aspects of particles, quantum mechanics, statistical mechanics, semiconductors, radioactivity, nuclear physics and particles. Students must co-enroll in both lecture and lab to receive credit.

PHYS293 Directed Study 1 Credit Prerequisites: PHYS151 or PHYS180 Provides individual study conducted under the direction of a faculty member. May be repeated for up to six credits.