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, rotation and mechanics, oscillations, gravitation, fluids, wave properties and sound Students must complete all laboratory and lecture and final to receive credit

PHYS181L Physics for Science and Engineers Lab II 1 Credit

Prerequisites: MATH18 PHYS180 ; Corequisites: PHYS181 ; Explores electric fields, potential, current, dielectrics, circuits, magnetic fields, electromagnetic oscillations, thermodynamics and kinetic theory of gases Students must complete all laboratory and lecture and final to receive credit

PHYS182L Physics for Scientists and Engineers Lab III 1 Credit

Prerequisites: MATH18 PHYS181 ; Corequisites: PHYS18 Explores light, optical systems, relativity, wave aspects of particles, quantum mechanics, statistical mechanics, semiconductors, radioactivity, nuclear physics and particles Students must complete all laboratory and lecture and final to receive credit

PHYS100 Introductory Physics , 3 Credits ,

Prerequisites: MATH10 ,MATH1 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: MATH1 MATH1 ,MATH18 or equivalent Provides a course in physics for students in arts and sciences, medicine and dentistry, and agriculture Emphasis is on mechanics, heat, and sound

PHYS152 , General Physics II 4 Credits ;

Prerequisites: PHYS1 Emphasizes light, electricity, magnetism and nuclear physics ;

PHYS180 Physics for Scientists and Engineers I 3 Credits

Prerequisite: MATH 181 Corequisite: PHYS 180 Explores vectors, rectilinear motion, particle dynamics, work and energy, momentum, rotation and mechanics, oscillations, gravitation, fluids, wave properties and sound Students must complete all laboratory and lecture and final to receive credit

PHYS181 Physics for Scientists and Engineers II 3 Credits

Prerequisites: MATH 18 A PHYS 180 Corequisite: PHYS 181 ; Explores electric fields, potential, current, dielectrics, circuits, magnetic fields, electromagnetic oscillations, thermodynamics and kinetic theory of gases Students must complete all laboratory and lecture and final to receive credit

PHYS182 Physics for Scientists and Engineers III 3 Credits

Prerequisite: PHYS 181 Corequisite: PHYS 18 Explores light, optical systems, relativity, wave aspects of particles, quantum mechanics, statistical mechanics, semiconductors, radioactivity, nuclear physics and particles Students must complete all laboratory and lecture and final to receive credit

PHYS293 Directed Study 1-3 Credits

Prerequisites: PHYS1 or PHYS180 Provides individual study conducted under the direction of a faculty member May be repeated for up to six credits