

PHYSICS (PH)

PH-231 Algebra-Based Physics I (4 credits)

The student is introduced to the principles of classical mechanics. She learns to apply these principles, in conjunction with her knowledge of algebra and trigonometry, to solve practical and idealized problems dealing with the behavior of material objects. The development of problem solving and analytical skills is stressed throughout this course.

Prerequisite(s): MT-123 & 124 or MP-2 or higher completed.

PH-232 Algebra-Based Physics 2 (4 credits)

The student is introduced to the principles of electromagnetic fields, circuit analysis, optics and light and color. She learns to apply these principles, in conjunction with her knowledge of algebra and trigonometry, to solve practical and idealized problems concerning these principles. As with PH-231, the development of problem solving and analytical skills is stressed throughout this course.

Prerequisite(s): PH-231 completed. For Algebra-Based students only.

PH-241 Calculus-Based Physics 1 (4 credits)

The student is introduced to the principles of classical mechanics. She learns to apply these principles, in conjunction with her knowledge of algebra, trigonometry and calculus, to solve practical and idealized problems dealing with the behavior of material objects. The development of problem solving and analytical skills is stressed throughout this course.

Prerequisite(s): MT-152 completed or concurrent registration.

PH-242 Calculus-Based Physics 2 (4 credits)

Offered Spring Term Only. The student is introduced to the principles of electromagnetic fields, circuit analysis, optics and light and color. She learns to apply these principles, in conjunction with her knowledge of algebra, trigonometry and calculus, to solve practical and idealized problems concerning these principles. As with PH-241, the development of problem solving and analytical skills is stressed throughout this course.

Prerequisite(s): QL-156 or MP-1 completed. For Calculus-Based students only., MT-253 completed or concurrent registration.

PH-397 Independent Study (0 credits)

Under the approval and direction of a faculty member, independent study is available to students.

PH-497 Independent Study (3 credits)

Under the approval and direction of a faculty member, independent study is available to students.