116 Lifesaving (1) (Elective)
Trains individuals to establish and carry out emergency plans for recreational aquatic facilities. Also teaches how to educate the public on its role in promoting safety. May lead to certification. (*according to availability of faculty)

119 Racquetball (1) (Elective)
A co-educational activity class examining the rules of racquetball and developing associated skills. (*according to availability of faculty)

122 Water Safety Instructor (1) (Elective)
Trains instructor candidates to teach American Red Cross water safety classes, while improving the candidate’s skill level and knowledge of swimming and water safety. Successful completion of all aspects of the course qualifies the student to be a certified Red Cross water safety instructor. (*according to availability of faculty)

125 Weight Training (1) (Elective)
A co-educational activity class that covers the necessary skills and techniques to enjoy participation in weight training for health and recreation. (*according to availability of faculty)

### Physics (PHY)

125 Physical Science (3)
Designed for non-science majors. Not open to students who have previously taken a course in college physics or chemistry. Covers the basic concepts of astronomy, electricity, energy and motion. Satisfies general curriculum distribution requirements. Lecture and laboratory. (*dependent on availability of faculty.)

126 Introduction to Astronomy (3)
Prerequisite: MAT 150 or equivalent. Designed for non-science majors. Topics include naked-eye observations, planetary motion, the solar system, and the origin, structure and evolution of stars, galaxies and the universe. Satisfies general curriculum distribution requirements. Lecture only. (*dependent on availability of faculty.)

200 General Physics I (4)
Prerequisite: MAT 170. A non-calculus course intended primarily for CNHS majors. Topics include kinematics, Newton’s laws of motion, linear and angular momentum, work and energy, gravity, oscillations and waves, sound, fluids and thermodynamics. Lecture and laboratory. (*fall semester)

201 General Physics II (4)
Prerequisite: PHY 200. A continuation of General Physics I. Topics include electricity, magnetism, optics, relativity, atomic physics, nuclear physics and particle physics. Lecture and laboratory. (*spring semester)

205 General Physics I (Calculus-based) (4)
Prerequisite: MAT 170 or equivalent. Corequisite: MAT 260. This is the first of a two-course sequence in calculus-based general physics. Topics covered include translational and rotational kinematics, Newton’s laws of motion and gravitation, work and energy, linear and angular momentum, periodic motion and waves, sound, fluids, and thermodynamics. Lecture and laboratory. (*fall semester)

206 General Physics II (Calculus-based) (4)
Prerequisites: PHY 205 and MAT 260. This is the second of a two-course sequence in calculus-based general physics. Topics covered include electricity, magnetism, optics, relativity, and selected topics in modern physics. Lecture and laboratory. (*spring semester)