PHY — Physics

PHY 118 Medical Imaging Science **3-0-3**

This course is the study of the fundamental physics associated with the field of medical imaging sciences. The areas of study include concepts of radiation production as it relates to x rays and nuclear medicine studies and acoustical properties related to sonographic exams.

PHY 201 Physics I **3-3-4**

This is the first in a sequence of physics courses. Topics include mechanics, wave motion, sound, heat, electromagnetism, optics, and modern physics.

PHY 202 Physics II **3-3-4**

Prerequisites: *PHY 201*

This course covers physics topics, including mechanics, wave motion, sound, heat, electromagnetism, optics, and modern physics.

PHY 221 University Physics I **3-3-4**

Prerequisites: *MAT 130 or MAT 140*

This is the first of a sequence of courses. The course includes a calculus based treatment of the following topics: vectors, laws of motion, rotation, vibratory, and wave motion.

PHY 222 University Physics II **3-3-4**

Prerequisites: *PHY 221*

This course is a continuation of calculus based treatment of the following topics: thermodynamics, kinetic theory of gases, electricity and magnetism, including electrostatics, dielectrics, electric circuits, magnetic fields, and induction phenomena.