

Nebraska Wesleyan University

Catalog 2011-2012

PHYS 242 Classical Mechanics II

3 hours

Majors, Minors & Degrees:

Majors

Physics (B.S.)

Departments/Programs:

Physics

A continuation of PHYS-241 involving the use of LaGrangian and Hamiltonian formalisms. Matrix methods are used in the study of rigid body motion, oscillation theory, and the theory of relativity. The mechanics of continuous media are also investigated.

Three lectures per week.

Prerequisite(s): PHYS-241 and computer programming skills or permission of the instructor.