Nebraska Wesleyan University

PHYS 242 Classical Mechanics II

Catalog

2012-2013

Course Description

A continuation of PHYS 241 Classical Mechanics I 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 Classical Mechanics I and computer programming skills or permission of the instructor.

Course Hours

3 hours

Departments

1. Physics