

Goals of Physics 141, 142: (1) To provide the student with a clear and logical presentation of the basic concepts and principles of physics; (2) To strengthen an understanding of these concepts and principles through a broad range of applications to the real world; (3) To demonstrate these concepts and principles through laboratory exercises.

Physics 142

Spring Semester, 2002

Prerequisite: Math 111 and Physics 141 or 151

Text: Cutnell and Johnson, Physics, Fifth Edition

Instructor: Dr. William Baird, Pierce 207

Course Content: There will be three tests and a final exam. Also thirteen quizzes, the best ten of them to be counted as a fourth test grade. The tests can be made-up only with advance notice and circumstances of illness or death. The quizzes cannot be made-up; absence from a quiz results in a zero for that quiz.

Electricity, Magnetism, Optics and Modern Physics

Chapters 18, 19, 20

Test 1 (February 14, 2002, 8-9:30 am)

Chapters 21, 22, 23, 24

Test 2 (March 21, 2002, 8-9:30 am)

Chapters 25, 26, 27

Test 3 (April 18, 2002, 8-9:30 am)

Chapters 29, 30

Final Exam (cumulative)

Weighting: Tests and quizzes 60%, Labs 20%, Final Exam 20%

Grading: Grades given for this course will be a subset of A, A-, B+, B, B-, C+, C, C-, D+, D, F. See Catalog, page 83.

Attendance: Not required, but encouraged.

The Oxford College Honor Code applies to all written work in this course.