

Goals of Physics 151, 152: (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; (4) To employ the student's full mathematical background, including calculus, in problem-solving.

## Physics 151

Fall Semester, 2001

Prerequisite: Math 111 or equivalent      Corequisite: Math 112

Text: Serway, Physics for Scientists and Engineers with Modern Physics, Fourth Edition

Instructor: Dr. William Baird, Pierce 207

Course Content: There will be three tests and a final exam. Also at least 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.

### Mechanics, Wave Motion, and Thermodynamics

Chapters 1, 2, 3, 4, 5, 6

Test 1 (September 25, 2001, 8-9:30 am)

Chapters 7, 8, 9, 10, 11, 12

Test 2 (October 23, 2001, 8-9:30 am)

Chapters 13, 15, 16, 17, 18

Test 3 (November 20, 2001, 8-9:30 am)

Chapters 19, 20, 21, 22

Final Exam (December 14, 2001, 9am-12noon)  
(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.