

## Physics 120

Introductory Physics

Class Number: 3154 North Dakota State University

Fall 2006

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**Description:** Physics 120 is an introduction to the fundamentals of physics: space, time, motion, matter, energy, work, power, electric and magnetic fields. We will study the states and properties of matter, gravity, temperature, heat, waves, sound, electricity, magnetism and electromagnetic waves. Algebra is utilized and developing and ability to logically apply these basic laws of physics to many different situations is essential. We will discuss the scientific method and its application as well as how science has affected society and history.

**Text:** Physics Concepts & Connections, 4th edition, by Art Hobson.

**Lectures:** Meet at 3:30 – 4:45 TuTh in Stevens Aud.

**Assignments:** The homework assignments can be found on the LON CAPA system. The homework sets are due on the date specified. Late homework will not be accepted. The LON CAPA homework problems are the minimum number of problems that you should work out. If you are having difficulty in understanding the material, then you should do additional problems on your own. The best way to learn physics is to do as many different types of problems as you can.

**PRS:** The Personal Response System (worth 5% of the final grade) will be used during class time.

**Extra Help:** If you find you would like some extra help I recommend that you make use of the tutor room. This is located on the 3rd floor in South Engineering. A schedule of the tutor availability will be posted. In addition there are Super Tutors. The Super Tutor schedule for various courses can be found at

[http://www.ndsu.edu/student\\_success/super\\_tutor/schedule.shtml](http://www.ndsu.edu/student_success/super_tutor/schedule.shtml)

**Midterm Exams:** During the semester, two one-hour exams will be given, and at the end of the semester there will be a comprehensive final exam. The in class exams will be given on Tuesday Sept. 26 and on Thursday Nov. 2.

**Final Exam:** The final exam is Tuesday December 12 from 10:30am to 12:30pm. Do not miss an exam there will be no makeup exams.

**Office Hours:** If you are having difficulty with LON CAPA problems or problems from the text you should first visit the tutor room on the third floor of South Engineering. If you have other concerns I will be in my office Mon, Tues, and Wed 10:00am or you can schedule (by email or phone) an appointment.

**Grades:** Your final grade in physics 120 will be determined on the following basis:

Exams		Letter Grading
Homework & PRS	30%	89.5 to 100% = A
Exam I	20%	79.5 to 89.4% = B
Exam II	20%	69.5 to 79.4% = C
Final Exam	30%	59.5 to 69.4% = D

Depending on the class average, curving may be applied to grades.

**Special Considerations:** Students with disabilities or other special needs, who need special accommodations in this course, are invited to share these concerns or requests with the instructor as soon as possible. Extra time on exams must be requested by formal letter from the NDSU department of disability services and administered through that department. Students claiming disability without legitimate documentation will not be granted special privileges and advantages over their classmates.

**Privacy laws under FERPA:** Privacy rights under the Family Educational Rights & Privacy Act (FERPA) apply to student educational records. If you would like information on your rights under this and other legal acts please consult the office of the Federal Counsel, Rick Johnson, Old Main 202.

**Academic Responsibility:** All work in this course must be completed in a manner consistent with NDSU University Senate Policy, section 335: Code of Academic Responsibility and Conduct (<http://www.ndsu.nodak.edu/policy/335.htm>)