Classical Mechanics
P 521

Course Syllabus, Fall 2014
Indiana University, Bloomington
Course: Classical Mechanics
Physics 521, Fall 2014
M,W,F: 10:10 - 11:00, Swain West 218

Instructor: Radovan Dermisek
email: dermisek@indiana.edu
office: Swain West 225
office hours: after lectures, when I am in, and by appointment
phone: (812) 856 6918
website: http://www.physics.indiana.edu/~dermisek/
Text: A.L. Fetter and J.D. Walecka, Theoretical Mechanics of Particles and Continua

Chapters: 1-6 in detail; others time permitting

Other useful books:

L.D. Landau and E.M. Lifshitz, Mechanics
H. Goldstein, C.P. Poole and J.L. Safko, Classical Mechanics
J.R. Taylor, Classical Mechanics (undergrad level)
Notes: available on my website.

Homework: there will be assignments about every week. Unless specified otherwise, they will be due exactly one week after they are assigned (typically on Wednesdays).

Late Assignments: Start work early on the assignment. No late homework will be accepted without my prior consent.

Grader: Wenchao Dai

office: Swain West 340

email: daiw@indiana.edu
Exams: there will be two exams: a midterm exam and a final exam. The final exam will cover all material presented in lecture, discussed in the text, or included in the homework problems.

Grades: the course grade will be weighted as follows:

- homework = 40%,
- midterm exam = 30%,
- final exam = 30%.

Letter grades will not be assigned to the exams or the homework.
Advice: work hard from the first day; study till you can derive every single formula; think about the meaning of equations you are deriving; think about applications; solve as many problems as possible.

Attendance: optional but highly recommended.

Academic honesty: I encourage you to discuss physics with your colleagues. It is an excellent way to learn. You can also discuss homework assignments with others in the class. However you are expected to write your own solutions!

Have Fun!!!