Classical Mechanics  
P 521

Course Syllabus, Fall 2013  
Indiana University, Bloomington

Instructor: Radovan Dermisek  
email: dermisek@indiana.edu  
office: Swain West 225  
office hours: 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: I-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)
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.

Grades: the course grade will be weighted as follows:
- homework = 50%
- midterm exam = 25%
- final exam = 25%

Letter grades will not be assigned to the exams or the homework.

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.

Notes: available on my website.

Grader: TBD

office: Swain West TBD

email: tbd@indiana.edu
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!!!