Physics 236: General Relativity

Fall 2002, Course Information

Lectures: Tuesday/Friday, 14:30 – 16:00 at 269 Lauritsen.

Instructor: Professor Hirosi Ooguri; 444 Lauritsen, ooguri@theory.caltech.edu
(Do not use ooguri@caltech.edu since I do not check emails there.)

Graders: Peter Lee and Jong-Won Park; peter, jongwon@theory.caltech.edu

Homework:

Problem sets will be normally handed out on Friday and be due the following Friday to the grader. Extensions may be granted on an individual basis by prior agreement of the grader. You may discuss the problems with other students, but you should write up your solutions independently.

The problem sets will also be available at http://www.theory.caltech.edu/ ooguri

There will be no exams.

Grades:

Students will receive pass/fail grades. For the pass grade, I expect that students would have solved more than 50% of homework correctly.

Office hours:

I am available to answer your questions in my office. You can try to catch me whenever you like, or make an appointment if you prefer. Questions that are specific to homework solutions should be discussed with the graders first.

Textbook

Robert M. Wald, "General Relativity,"
(University of Chicago Press, 1984, ISBN 0-226-87033-2),
available at Caltech Bookstore.

Recommended Readings

S.W. Hawking and G.F.R. Ellis, "The Large Scale Structure of Space-Time,"

C.W. Minsner, K.S. Thorne and J.A. Wheeler, "Gravitation," (Freeman, 1973).
(Cambridge University Press, 1973)

S. Weinberg, "Gravitation and Cosmology," (Wiley, 1972).

Lecture Notes on the Web, http://pancake.uchicago.edu/ carroll/notes/