

Physics 331A – Optics Laboratory

Instructor: Xiaodong Xu

Office: B-437

Office Hour: 4-5 pm Friday

Lecture Time: Room A110, 11:30-12:20 pm, Monday

Labs: Room B260

Lab Time: Section AD: 1:30-4:20, Monday

Section AA: 1:30-4:20, Tuesday

Section AB: 1:30-4:20, Wednesday

Section AC: 1:30-4:20, Friday

Website: <http://courses.washington.edu/phys331/index.php>

Requirements:

Labs: There are 8 options and you must complete 6 of them.

First and Required lab: Speed of Light (SOL).

Lab Reports: You must submit lab reports (according to the format specified in the lecture) for SOL and at least 5 other labs.

SOL is due in one week and the others are due in two weeks after the lab is completed. Specific: Your SOL report is due by 2:00PM one week after you complete the lab. Your other lab reports must be due by 2:00 PM two weeks after you complete the lab.

All late submissions will be penalized @ 5% per late day, with a weekend counting as 1 day.

Last submission day – Monday, (12/01/14). Submissions will not be accepted after 2:00 PM on Monday (12/01/14).

Pre-Lab-Report: Except SOL, you must submit at least five pre-lab-report (according to the format specified in the lecture). This report is due when you come into the lab. Pre-lab-report is a one page write up, including your understanding of the purpose of the experiment, the outline of experimental procedures, the physical quantities you are going to measure directly, the physical quantities you will derive from the measurements. Delay of submission will be penalized as zero points.

Exam: one in-class exam to be given on material covered in lectures (12/01/12). Open notes and open book. Bring a (pocket) calculator. Write solutions on the exam paper.

Grading: Each lab report, graded on 50, is worth 15% of the total grade except SOL worth 10%. Exam is worth 10%. 85% of your final grade will be the submitted lab reports. Pre-lab reports, graded on 10, worth 5% of the total grades. Adjustments will be made for any difference in average scores on a given experiment or exam.

Make-up labs: Nov. 11 is Veterans Day. The make-up lab for that section will be Nov. 24. Nov. 25 will be the day for make-up labs for everybody.

Important: To be eligible for getting final grade for Physics 331a, you must *submit the speed of light report by Friday (Oct. 18), and submit at least three full reports by Friday Nov. 17th.*