

PHYSICS OF PHOTOGRAPHY LABORATORY SYLLABUS

PHY 121L
FALL SEMESTER, 2002

INTRODUCTION

In science, researchers use two kinds of documentation relating to their work. First they keep a lab book as a record of their activities, and after the experiment/research is complete they "publish" their work - prepare for publication a polished report on their work giving a complete over view of their project - why and how it was done and what results came from their work.

In the "Physics of Photography" laboratory class (PHY 121L) you will also prepare two written records relating to each lab activity - a lab book, and a final report.

LAB BOOK

First you will keep details of your work on the various lab activities in a composition book, entering all the appropriate details of the lab work in this book as the lab work is carried out. The writing for each lab session should be started on a fresh page. The page should be dated, and have a title describing the activity to be carried out (this should be the same as the title that I give in the lab handout for the particular lab.) The title should be followed by an introduction laying out what the activity is intended to achieve. The format of the written work in the lab book can be fairly free form, but should be complete, in that all important details and observations/findings/calculations relating of the lab activity should be entered **AS YOU DO THE LAB ACTIVITY**. The kind of detail that is important includes the exposures used to produce the photos and prints, together with relevant data and comments relating to difficulties encountered, etc. Test strips and trial prints should be mounted on the pages in this book. At the end of the day's activity you should rule a line across the page and show the book to your instructor so that the instructor can sign off your work, and enter the time you finished your work in the lab.

FINAL REPORT

You will prepare also prepare a word-processed document that represents a considered final report on each lab activity. Note that all of the details of the activity should already be in your lab composition book, and you can use this information as a source as you incorporate the relevant details into your final report so that it is a polished, well written presentation.

The form of the report should be as follows:

1. A title - not necessarily the same as that I used in the handouts.
2. An introduction - outlining what the lab activity was about.
3. A results & procedure section - giving the key details, together with the final prints, for example.
4. A conclusion section presenting your closing thoughts about the activity and summarizing the results and findings.

The experiment handout given to you at the beginning of the activity should be appended. Given that this document is attached to your report then you can refer to the details in the handout instead of writing out all the details in your own report. This report is collected a week or so after the lab activity is carried out.

LAB ACTIVITIES PLANNED FOR THIS SEMESTER

The activities during the semester will include mainly photography related activities, but will also include one or two physics labs that relate to the physics of photography course work. Handout sheets will be issued at the beginning of each lab activity that covers the work to be carried out during these activities.

The final project will be a photo-essay on aspects of some particular culture that you are familiar with. The details will be presented in a handout to be issued later in the semester. In this project you will be required to incorporate a half- to one-page introduction, followed by 4 to 6 first-rate 5 x 7" images relating to the culture.

GRADING POLICIES

It is important to understand the grade definitions that guide the awarding of grades at the end of the semester. Grading criteria as stated in the Chaminade undergraduate catalog are as follows:

- A -- Outstanding scholarship and an unusual degree of intellectual initiative.
- B -- Superior work done in a consistent and intellectual manner.
- C -- Average grade indicating a competent grasp of subject matter.
- D -- Inferior work of the lowest passing grade, is not satisfactory for fulfillment of prerequisite coursework.
- F -- Failed to grasp even the minimum subject matter; no credit given.
- I -- Did not complete a small portion of the work or final examination due to circumstances beyond the student's control. The issuance of an "I" grade is not automatic. Prior to reporting of grades a contract must be made between the student and the instructor for the completion of the course.