

ENEE 408E OPTICAL SYSTEM DESIGN

FIRST WEEK ASSIGNMENTS

Engineering Ethics

On Thursday, September 2, Steven Norton will be teaching a required engineering ethics class to the students in ENEE 408E, which is a part of all Capstone courses. Attendance at this class and performing the necessary assignments is mandatory. Steve will take attendance at the ethics class. If you miss the class, you will either lose 5% points off your final score in the class, or have the option of writing a 20 page paper on an engineering ethics topic.

ENEE 408E Software Assignment

In the class we will be using the optical design software Code V. The version currently on the Glue network is version 9.21. The first class assignment is to begin to get familiar with this software. On the Glue network you can find the software under "Applications." You must tap codev_9_21. A window labeled "codev" will open up. Type "codev" to start the software. This software is icon based, and there is an online manual as well as an online "Testdrive." You should carry out the "Testdrive," which leads you through various features of the program. The online reference manual is accessed through the "help" menu item. When the online reference manual opens up with Acrobat you will see the "Testdrive" listed. Use the online help to get started in understanding the software, and go through the sequence of actions described in the Testdrive. The Testdrive requires you to open certain existing "lens" files, which are found on the Glue system as follows.

Code V lens files are on the Glue system at:

`/afs/glue.umd.edu/department/enee/software/codev_9_21/lens.`

Saving your work

I recommend that you create a file named "codev" in your file area on Glue to store work that you do, and files you produce. Make sure that you save your files in a file area that is writeable by you. Otherwise your work may go to a temporary file and will not be saved.

Printing your output results

Got to File/Print/Properties menu and set to print to file: this should be in generic postscript. Give the file a name, for example mylens.ps. After doing this, there will be a file named "mylens.ps" in your file area on the glue system. Print on the Glue system using: `qpr -q <printer name> mylens.ps`