CMSC 740 – Computer Graphics
Spring 2002 Lectures: Tuesdays and Thursdays 12:30 – 1:45pm CSS 1113

Professor: Amitabh Varshney, 4407 AVW, (301)405-6761, varshney@cs.umd.edu. Office hours: Tuesdays and Thursdays 2:00 – 3:00pm, or by appointment. For an appointment, just drop by my office, or call me, or send me an email and we can fix up a time.

Teaching Assistant: Haibin Ling, hbling@cs.umd.edu. Office hours: Mondays and Wednesdays 1:30 – 2:30pm, in 1151 AVW.

Texts: Our main textbooks will be:


In addition, you may also find the following textbook useful:


A copy of all of the above books is on reserve in the CS departmental library (AVW 3164).

Prerequisites: MATH 240 (linear algebra) and CMSC 420 (data structures). Good knowledge of C/C++ programming. You should be able to independently design, code, and debug moderately sophisticated programs. You should also feel comfortable about concepts related to vectors (spaces and products) and matrices (inversion, products, transformations).

Grading

- Assignments 45%
- Mid-term Exam 20%
- Final Exam 35%

Assignments: All submissions will be due on Thursdays at the beginning of the class. Checkpoints: Thursdays 12:30pm and Mondays 12:30pm. Late submission policy: 20% off for each checkpoint passed, except the first missed checkpoint in the semester is without penalty. Machine failures will not delay due-dates unless there is a massive catastrophe, announced by me as such. Assume that machine failures will happen and that contention for machines will occur. Start early. Grading for all assignments will be done on one of the following platforms: Sun workstations in CSD (junkfood) labs, or on a PC in the Microsoft Lab. You can code and debug your assignments on any platform but you should give yourself enough time to recompile and possibly debug/reconcile your programs with one of the above platforms/environments so that they correctly execute on them.

Video Shows: From 12:25pm – 12:30pm, before each class I plan to show a video illustrating computer graphics. This is cultural: attendance is optional, and you will not be held responsible for knowing what is presented.

Final Exam: Final Exam will be 10:30am – 12:30pm on Monday, May 20, 2002.

Academic Conduct: I expect high standards of professional conduct and ethics. All work that you submit in this course must be your own or approved in advance by the instructor.