

CMSC 498W – Introduction to Virtual and Augmented Reality

Spring 2016 Lectures: Tuesdays, Thursdays 12:30pm – 1:45pm CSI 2120

Course Page: <http://www.cs.umd.edu/~varshney/498W/>

Professors:

Amitabh Varshney, 2119 AVW, (301)405-6722, varshney@cs.umd.edu Office hours: 10am – 11am Fridays, or by appointment.

Derek Juba, 2107 AVW, (301)405-2321, juba@umiacs.umd.edu. Office hours: 11am – 12noon, Thursdays.

Teaching Assistant: Youcef Moumena, 1121 PLS, ymoumena@umd.edu . Office hours: 10:30am – 11:30am Wednesdays and Fridays.

Texts: There is no textbook for this class. We will post copies of the lectures to the course page.

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	20%
Project	30%
Mid-term Exam	20%
Final Exam	30%

Deliverables: All submissions will be due at the beginning of the class on Thursdays at 12:30pm. You can submit late by Monday 12:30pm for a 20% penalty. To keep the course running on schedule, you may not submit the deliverable after that. Everyone gets one free late in the semester without penalty (i.e. you can submit your deliverable once by Monday at 12:30pm after the deadline instead of by the Thursday deadline without losing 20% of your grade). Machine failures will not delay due-dates unless there is a massive catastrophe, announced by us as such. Assume that machine failures will happen and that contention for machines will occur. Start early.

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

Final Exam: Final Exam will be 1:30pm – 3:30pm on Tuesday, May 17, 2016.

Academic Conduct: We expect high standards of professional conduct and ethics. All work that you submit in this course must be your own. Please familiarize yourself and strictly follow our university's Code of Academic Integrity available at: <http://www.shc.umd.edu/SHC/default.aspx> Violations of these policies will be dealt with harshly, and typically result in the assignment of a failing XF grade for the course.

Students with Disabilities: If you have a disability for which you require assistance please let us know during the first week of class so that we may make appropriate arrangements.