CS 315+733 – COMPUTER GRAPHICS
2024 FALL

Territorial acknowledgement: The University of Regina is situated on the territories of the nêhiyawak, Anihšināpēk, Dakota, Lakota, and Nakoda, and the homeland of the Métis/Michif Nation. The Regina campus is on Treaty 4 lands, and Saskatoon classes are on Treaty 6 lands.

Course Instructor: Dr. Daryl Hepting
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Office: CW 308.22
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Lectures: The class will be delivered in-person Mondays and Wednesdays, 14:30-15:45 in CL 112, September 4 until December 4 inclusive.

Website: https://urcourses.uregina.ca/course/view.php?id=33616

Office hours: Tuesdays and Thursdays 10:30am – noon. If these times don't fit your schedule, please email me (daryl.hepting@uregina.ca) to set up an appointment.

CS-315 Calendar Description:

Introduction to graphics hardware and software. Two-dimensional graphics rendering algorithms. Basic three-dimensional modelling, transformations, viewing geometry, lighting, shading, hidden surface removal, and texture mapping.

CS-733 Calendar Description:

Techniques and software for generating computer graphics and animations. Topics include geometric and mathematical modelling, image rendering and synthesis, principles of animation, and graphics and animation frameworks.

Textbook: Interactive Computer Graphics, A Top-Down Approach with WebGL, 8th edition, by Edward Angel and Dave Shreiner (online only, but earlier editions may be available in print)
https://www.interactivecomputergraphics.com
Additional material to be posted and made available on UR Courses.

Grading

Responses to Meetings	7%
Quizzes before Meetings	7%
Labs (CS-315)	12% * only for CS-315 students
Presentation (CS-733)	12% * only for CS-733 students
Assignments	25%
Participation	4%
Midterm exam	15%
Final exam	30% * you must pass the final to pass the course
Research Credit (CS-315)	2% (bonus) *may not be available, only for CS-315 students

Exam modality

The midterm and final exams will be in-person, written exams.

Lecture syllabus

Please find details on UR Courses

Late assignments/missed exam policy: Late assignments will be penalized by a percentage of the assigned grade. If the midterm test is missed, extra weight will be placed on the final. If you miss the final exam, you will receive an NP.

Attendance policy: Attendance at lectures is expected. Students can record their own attendance in UR Courses.

Academic integrity: Academic integrity requires students be honest. Assignments and exams are to help students learn; grades show how fully this goal is attained. Thus, all work and grades should result from a student's own understanding and effort. Acts of academic misconduct violate academic integrity, and are considered serious offences by the University. Examples include, but are not limited to, cheating on tests or exams, plagiarizing, copying from others, and submitting the work of others as your own. Instances of academic misconduct will be reported to the Associate Dean in your faculty. Any use of generative AI in the completion of coursework should be cited appropriately, including the identification of any tools that were used, how the tools were employed, and how the AI-generated content was integrated into the submitted coursework.

Accommodations: Students in this course who may have need for specialized accommodations, should contact the Centre for Student Accessibility (Riddell Centre 229, 585-4631), and must discuss their accommodation letter with their instructor before any accommodations will be granted.