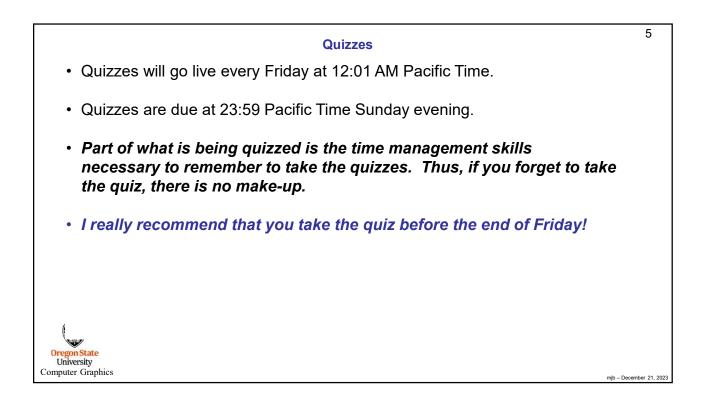
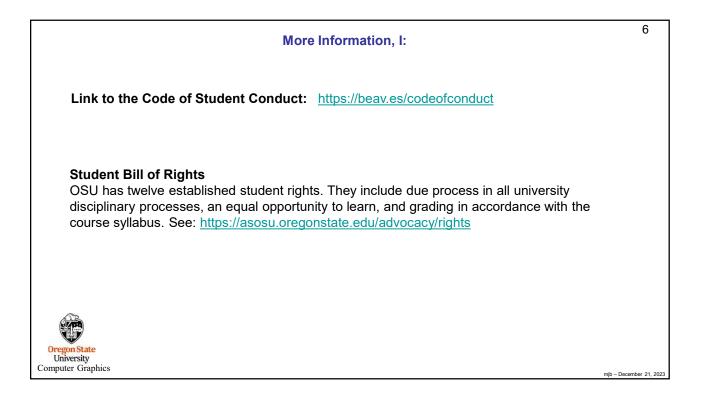


	Course Topics	3
	1. GLSL Vertex shaders	
	2. GLSL Fragment shaders	
	3. GLSL Geometry shaders	
	4. GLSL Tessellation shaders	
	5. GLSL Compute shaders	
	6. A more advanced look at the graphics pipeline	
	7. Homogeneous coordinates	
	8. The OpenGL Shading Language (GLSL)	
	9. The GLSLAPI	
	10. A more advanced look at transformations, including non-linear	
	11. Mixing and Morphing	
	12. Lighting 13. Bump-mapping	
	14. Cube-mapping	
	15. GLM	
	16. Shadows	
	17.Positional and gradient noise	
	18. Fractional Brownian Motion (FBM, 1/f, octave) noise	
() B	19. Spectral effects	
	20. Lenses	
Oregon State	21. Using shaders in visualization	
Oregon State University	22. Vulkan GLSL shaders	
Computer Graphics		mjb - December 21, 2023

Grading: Points and Cutoffs					
 10 Quizzes @ 10 points each 2 Tests @ 100 points each 8 Projects, worth a total of 720 points CS 557ers will also do a 100-point Paper Review Project (457ers get a free 100 points for that assignment) 					
Grade cutoffs will be no higher than:					
Total Points = 1120	Points	Grade			
	1080	Α			
	1060	A-			
	1040	B+			
	1020	В			
	1000	B-			
	980	C+			
	960	С			
	940	C-			
	920	D+			
Oregon State	900	D			
University	880	 D-			
Computer Graphics		_	mjb -	- December 21, 2023	





More Information, II:

Students With Disabilities

Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at http://ds.oregonstate.edu. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

Religious Holidays

Oregon State University strives to respect all religious practices. If you have religious holidays that are in conflict with any of the requirements of this class, please see me immediately so that we can make alternative arrangements.



More Information, III:

Life Events

As {John Lennon? Allen Saunders?} has said: "Life is what happens to you while you're busy making other plans". I care about you as a person. When life happens to you, send me an email and come see me. I might be able to help, I might not. But I surely can listen. You are not alone.

Reach Out for Success

University students encounter setbacks from time to time. If you encounter difficulties and need assistance, it's important to reach out. Consider discussing the situation with me or an academic advisor. Learn about resources that assist with wellness and academic success at http://oregonstate.edu/ReachOut. If you are in immediate crisis, please contact the Crisis Text Line by texting OREGON to 741-741 or call the National Suicide Prevention Lifeline at 1-800-273-TALK (8255)



mjb – December 21, 2023

7

mjb - December 21, 2023

8

More Information, IV:

Basic Needs

Success at OSU means knowing and using your resources. One helpful resource is the community of staff available at the Basic Needs Center (BNC) for support (<u>http://bnc@oregonstate.edu</u>, 541-737-3747). Students can drop in during open hours and talk with a BNC student leader for resources, ideas and strategies connected to basic needs challenges. The BNC is often known for its food pantry but there are other resources connected to groceries and affording food and staff who can help you work through housing stressors.

Undergraduate students, living in Oregon, are especially encouraged to explore SNAP as a resource. Domestic undergraduate students living in Oregon are likely to be eligible for SNAP. BNC staff are skilled with helping students navigate this process.

Additionally, the BNC Textbook Lending Program offers students the opportunity to check out required textbooks for the academic term.

Furthermore, if you are comfortable doing so, please talk with Professor Bailey. He will do everything he can to help you.



