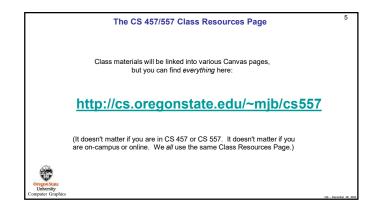
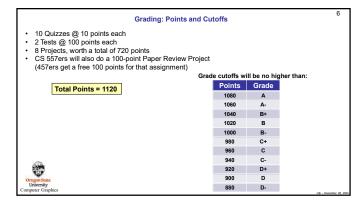


|                   | Course Topics   | 4                 |
|-------------------|---|-------------------|
|                   | 1. GLSL Vertex shaders  |                   |
|                   | 2. GLSL Fragment shaders  |                   |
|                   | 3. GLSL Geometry shaders  |                   |
|                   | <ol> <li>GLSL Tessellation shaders</li> </ol>                     |                   |
|                   | 5. GLSL Compute shaders   |                   |
|                   | 6. A more advanced look at the graphics pipeline                  |                   |
|                   | 7. Homogeneous coordinates  |                   |
|                   | 8. The OpenGL Shading Language (GLSL)                             |                   |
|                   | 9. The GLSL API   |                   |
|                   | 10. A more advanced look at transformations, including non-linear |                   |
|                   | 11. Mixing and Morphing   |                   |
|                   | 12. Lighting<br>13. Bump-mapping                                  |                   |
|                   | 14. Cube-mapping  |                   |
|                   | 15. GLM   |                   |
|                   | 16 Shadows  |                   |
|                   | 17. Positional and gradient noise                                 |                   |
|                   | 18. Fractional Brownian Motion (FBM, 1/f, octave) noise           |                   |
| (50)              | 19. Spectral effects  |                   |
| 8112              | 20.Lenses   |                   |
| Oregon State      | 21. Using shaders in visualization                                |                   |
| University        | 22. Vulkan GLSL shaders   |                   |
| Computer Graphics | mp-1  | lecember 28, 2024 |





## Quizzes

- · Quizzes will go live every Friday at 12:01 AM Pacific Time.
- · Quizzes are due at 23:59 Pacific Time Sunday evening
- · Part of what is being quizzed is the time management skills necessary to remember to take the quizzes. Thus, if you forget to take the quiz, there is no make-up.
- · I really recommend that you take the quiz before the end of Friday!

## More Information, I:

Link to the Code of Student Conduct: https://beav.es/codeofconduc

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More Information, II:

#### Students With Disabilities

Accommodations for students with disabilities are determined and approved by Disability Accoms Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4086 or at disability.services@oregonstate.edu 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.



students with individual, relationship, and group counseling. I have met some of these people, and they are *really* good. If you are in any type of emotional difficulty, don't hesitate to contact them. If it makes it easier for you, I will walk over with you.

More Information, III: Counseling and Psychological Services Oregon State University's <u>Counseling and Psychological Services (CAPS)</u> provides OSU

It ITrackes it easier not you, twill waik over with you. CAPS can be reached by: Waiking in the door: 5th Floor Sneil Hall (2150 SW Jefferson Way) Email: <u>caps@oregonsite\_edu</u> Phone: 541-737-2131 Fax: 541-737-218

MySSP: Mental Health Support for Students MySSP @ OSU is an app that gives all OSU students, including Ecampus students, 24/7 access by text or phone with a licensed mental health counselor (MySSP stands for My Student Support Program). The app makes it easy to schedule short-term counseling appointments with the same ongoing counselor and provides educational materials covering mental health topics. Students can communicate with a counselor in five different languages (Mandarin, Cantonese, French, Spanish or English); additional language options are availabl upon request. Download this app by looking up "TELUS Health Student Support" on the available

Google Play Store (Android) or the Apple App Store (iPhone).

### More Information, IV:

## 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 <a href="http://oregonstate.edu/ReachOut">http://oregonstate.edu/ReachOut</a>. 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)



# More Information. V:

### Basic Needs

Basic Neeos 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>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 <u>food</u> pantry but there are other resources connected to groceries and affording food often available and staff who can help you work through housing stressors

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

Furthermore, if you are comfortable doing so, please talk with me. I will do everything I can to help you



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