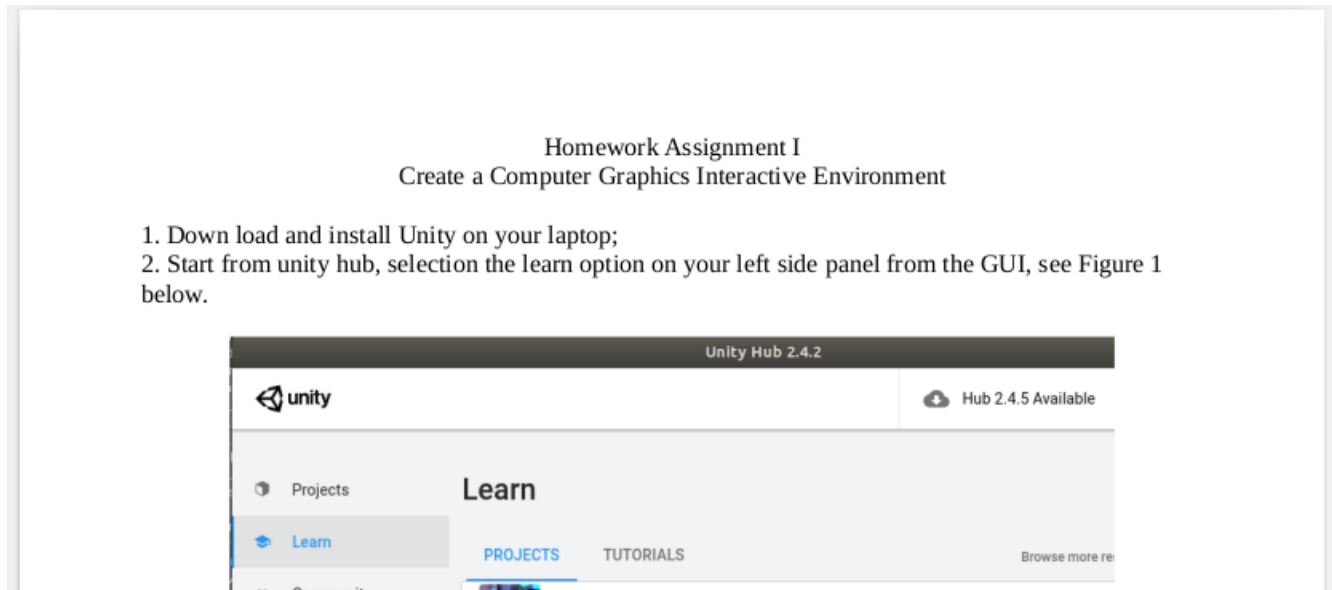


Review on Homework Assignment
Computer Graphics and Augmented Reality
CMPE 163

1. Homework 1. 2021F-4-homework1-unity-2021-9-2.pdf (posted on github).



2.a Homework (no submission needed) Installation of OpenGL. assigned date and/or due date:
August, 26, 2021, pp. 6, lecture notes.

Homework: Install OpenGL on your machine, By Next Lecture, So we will use it for Rotating Spheres implementation

2b. Homework (no submission needed) Installation of OpenGL. assigned date and/or due date:
August, 26, 2021, pp. 6, lecture notes.

Homework: GL-LINES
 Modify the Sample code
 to draw a line with
 $P_1(x_1, y_1) = P_1(x_1, y_1) = (50, 50)$
 $P_{i+1}(x_{i+1}, y_{i+1}) = P_2(x_2, y_2) = (60, 100)$

3. Homework (submission required). Rotating squares, assigned date and/or due date: Sept 9, 2021, pp. 9, lecture notes, 2021F-2-lecture-note-2021-10-14.pdf (the time stamp on this lecture note will be updated for each new lecture, so look for the document ID: 2021F-2-lecture-note ...)

Homework: Implementation of
Rotating Squares Based on
Equation (2b), on pp 8.

3. Homework (submission required). Rotating squares, assigned date and/or due date: Sept 9, 2021, pp. 9, lecture notes, 2021F-2-lecture-note-2021-10-14.pdf (the time stamp on this lecture note will be updated for each new lecture, so look for the document ID: 2021F-2-lecture-note ...)

4. Semester long project proposal (50 words, submission is open till 3D graphics is covered in lecture, e.g., can be submitted before Thanksgiving), Team 1 to Team 3, assigned date and/or due date: Sept 9, 2021, pp. 13, see lecture notes.

A Paragraph, 50 words, proposal.

Tech. Elements :

1. 3D Graphics
2. Interactive
3. Presentation mode — Script Features
4. Integrate Real/Live Video from File(s) And/or from a Camera

Guidelines for Topics Selection

Enhance/Improve Productive
Promote/Present Better Communication

5. Homework (submission required). Rotating squares, assigned date and/or due date: Sept 16, 2021, pp. 13, lecture notes, 2021F-2-lecture-note-2021-10-14.pdf (the time stamp on this lecture note will be updated for each new lecture, so look for the document ID: 2021F-2-lecture-note ...)

Note: this assignment carries 2 points, this assignment is the continuation of assignment 3 on Sept 9, it is given again after class demo found some students implementation has some issues. You can submit rotating squares again here if there was some issues in your previous implementation.

Homework (Un-Official)

Rotating Squares Original

Reference: On git

github/luwalili/utencu/

computer ~ / F2018 / ~

2021F-6-... Homework.

6. Homework (submission required). Composition of 2D transformations, assigned date and/or due date: Sept 23, 2021, pp. 15, lecture notes, 2021F-2-lecture-note-2021-10-14.pdf (the time stamp on this lecture note will be updated for each new lecture, so look for the document ID: 2021F-2-lecture-note ...)

Sept. 23rd Composition.
Topic: Trees & 2D Transformation
Homework (Due A week)
Composition of 2D Transforms

Note: this assignment was re-assigned in the class on Sept 30th, after the in-class discussion and to give more time to those who did not submit the homework, see below from pp. 17, lecture notes.

Sept. 30 (Thu)
Today's Topics
1° Unity. 2° 3D Computer Graphics.
Note:
1° New Homework Due A week from Today

7. Homework (submission required, 1 pt). Plot x_w - y_w - z_w world coordinate, assigned date and/or due date: Oct 7, 2021, pp. 21, lecture notes, 2021F-2-lecture-note-2021-10-14.pdf (the time stamp on this lecture note will be updated for each new lecture, so look for the document ID: 2021F-2-lecture-note ...)

Oct. 7 (Th)
Topics: 1° 3D Transformation Pipeline
2° Homework 5 Key's Presentation of Homework 5.
Homework 6 (1pt) Due 1 week
Submission on-line (CANVAS)
(3D X_w - Y_w - Z_w Axis Display)

8. Homework (submission required). Review and collect all homework and put them into one zip file, assigned date and/or due date: Oct 44, 2021, pp. 15, lecture notes, 2021F-2-lecture-note-2021-10-14.pdf (the time stamp on this lecture note will be updated for each new lecture, so look for the document ID: 2021F-2-lecture-note ...)

Oct. 14 (Th)

Note: 1^o Homework Submission

Migrate All Submissions to
CANVAS.

(1) Put a list of all the homeworks
publish it on CANVAS;

(2) Submit All your homework
in one zip. to CANVAS

Due 1 week from Today.

Oct 21st.

Midterm Exam: In 2 weeks

Oct. 28th.

(END)