



ART 285 3D Modeling for Animation II 39920 Syllabus

Glendale Community College Main - Fall 2020

Instructor Information

- **Instructor:** Dr. Casey Farina
- **Virtual Office Hours:** M W 10:30 AM - 2:30 PM for virtual meetings preferably using google meet, meetings during other times can be arranged via email
- **Email:** casey.farina@gccaz.edu

Course Information

- **Course Format:** Online Asynchronous
- **Credit hours:** 3
- **Course Start Day:** August 22, 2020
- **Course End Day:** December 13, 2020
- **Final Portfolio Due:** December 17th, 2020
- **Instructional Contact Hours & Out-of-Class Student Work:** For this 3 credit hour course, you should plan to spend 10- 20 hours per week on this course.
- There is no final exam for this course, rather there is a submission of your animation portfolio at the end of the course.

Course Description

Advanced techniques for 3D modeling and computer animation. Creating and applying 2D background and 3D model textures, creating and applying special effects to models and animation, designing, modeling, and animating a digital 3D character from a character study.

Course Competencies

- Select textures to be used on surfaces of backgrounds and 3D models.
- Apply material to surfaces and 3D models using various painting and mapping techniques.
- Determine illumination effects on a 3D model.
- Apply various deformation principles for animation and special effects.



- Produce a 3D character study.
- Use forward and inverse kinematics to animate a character.
- Apply animation principles to objects and environments.
- Construct a character applying appropriate tools, materials and textures.

Textbooks

There is no required textbook for this class. The lectures on Youtube other linked resources serve as the reference material.

Required Materials

- **Notebook** - I *recommend* a notebook that can easily be backed up to the cloud. [How to back up a physical notebook to your google drive cloud storage](#). You may take notes in a digital format if you prefer.
- **External Hard Drive** - I recommend using an external hard drive (Please do not use a USB thumb drive) that has at least 1 TB of space and a USB 3.0 interface. I recommend Seagate. Do not spend more than \$100.00 on this hard drive. *You may use the hard drive for other classes simultaneously.*
- **Computer** with a **dedicated graphics card**. If you do not own a computer with a dedicated graphics card (NOT Intel Iris Graphics) then I would recommend applying for a [loaner laptop from GCC](#).



Course Technology Information

Basic technology and skills needed:

You should have regular access to a computer with an Internet connection. Additionally, you should be comfortable using the Internet and word processing tools. Firefox and Chrome are the recommended web browsers for accessing course materials. To download these browsers visit:

- Firefox: <https://mozilla.org/firefox>
- Chrome: <https://www.google.com/chrome/>

Basic Computer Equipment / Access Needed

You will need a working email address, a Canvas account, and access to the Internet. Internet access can be from school, home, or work. Please review your syllabus for specific technology needs. You may be required to have specific hardware or software, a webcam, etc.

Email Accounts for Students

Maricopa Community Colleges provides all students with an email address. It is the official way to receive communication from the college and district. Look up your email account at <https://google.maricopa.edu/>.

Using Canvas

Students will be using the following in addition to any other tools that are course-specific:

Canvas

Use your Maricopa Enterprise ID (MEID) and associated password to log in to the Canvas Learning Management System at <https://learn.maricopa.edu>.

Check out the Canvas Student Guide at <https://community.canvaslms.com/t5/Student-Guide/tkb-p/student> or call 1-888-994-4433 for 24/7 support.



Visit the Maricopa 24/7 help site at

<https://my.maricopa.edu/help/canvas-support/submit-canvas-helpdesk-ticket> for a live chat with a support team member.

Technology Help at GCC

For help with course technology, you can contact the GCC Helpdesk in the following ways:

- In-person: High Tech 1 (HT1)
- Phone: (623) 845-3555 option 3
- Email: helpdesk@gccaz.edu

For more information visit GCC's Technology Help site at

<https://www.gccaz.edu/technology-help>.

Online Technologies

You are required to use the following online technologies. Some of these have paid tiers; **you do not have to pay for any of them**. We will be using the free, student, or personal versions.

- Maricopa Student Email - <https://www.gccaz.edu/technology-help/student-email>
 - Email and Canvas messaging are the officially sanctioned method of communication in this class. You will need to use your GCC **student email** to correspond with the instructor and check it on a regular basis. Please do not send messages from personal email accounts.
- Google Drive
 - The google drive accounts associated with the student email has **unlimited** storage space.
 - Use this drive as a backup location for all classwork.
 - Log into your Maricopa Email first then <https://drive.google.com/drive>
- Maricopa Canvas - <http://www.learn.maricopa.edu>
 - You will access the course content via the Maricopa Instructure Canvas CMS (Class Management System.)
 - Your username and password are your MEID. If you don't know your MEID, find it here: <https://eims.maricopa.edu/MAW/S0lookupid.pl>
 - Canvas FAQ: <https://my.maricopa.edu/canvas-faq>
- Youtube - <http://www.youtube.com/c/CaseyFarinaGCC>
 - I post all of the class lectures as screen recordings on Youtube.
- LinkedIn Learning - <https://www.linkedin.com/learning/login-ent>



- GCC provides a LinkedIn Learning account to all the students in the class. It is unnecessary to purchase a personal account.
- [Vimeo.com](https://vimeo.com) - All of the final portfolio projects will be posted on vimeo.
- Cineversity - <https://www.cineversity.com>
 - This is a tutorial resource for Cinema 4D.
 - You can log into Cineversity once you receive your student license from Maxon.

Software

- Cinema 4D from MAXON
 - Software for 3D design and Rendering
 - <https://www.maxon.net/en-us/training/educational-solutions/educational-solutions/students/>
- Adobe Creative Cloud
 - You will log onto the Adobe CC through your MEID at GCC.
 - If you want to use the Adobe CC at home you will need to purchase a student subscription. <https://www.adobe.com/creativecloud/buy/students.html>
 - This class uses Illustrator, Photoshop, After Effects, Animator Character Animator, Audition, InDesign and Media Encoder.
- Open Broadcast Software
 - <https://obsproject.com/>
 - Software for screen recording
- Unity
 - <https://store.unity.com/academic/unity-student>
 - Realtime Computer Graphics software
- Github
 - Online Software development and backup
 - <https://education.github.com/students>

Terms of Service, Privacy and Accessibility Statements for Services and Software

- Canvas
 - Terms of Use: <https://www.canvaslms.com/policies/terms-of-use-canvas>
 - Privacy Policy: <https://www.canvaslms.com/policies/privacy>
 - Accessibility statement: <https://www.canvaslms.com/accessibility>
- Slack



- Terms of Service <https://slack.com/terms-of-service>
 - Privacy Policy <https://slack.com/privacy-policy>
- Google: Gmail, Meets, Drive, Docs, Sheets, etc
 - Terms of Service <https://policies.google.com/terms?hl=en-US>
 - <https://policies.google.com/privacy?hl=en-US>
- Adobe
 - Terms of Service <https://www.adobe.com/legal/terms.html>
 - Privacy Policy
- Maxon (Cinema 4D)
 - Terms of Service
<https://www.maxon.net/en-us/header-meta-navigation/about-maxon/legal/terms-of-use/>
 - Privacy Policy
<https://www.maxon.net/en-us/header-meta-navigation/about-maxon/legal/privacy-policy/>
- Open Broadcaster Software
 - Terms of Service <https://obsproject.com/help>
 - Privacy Policy <https://obsproject.com/help>
- Youtube
 - Terms of Service <https://www.youtube.com/static?template=terms>
 - Privacy Policy
<https://www.youtube.com/howyoutubeworks/policies/community-guidelines/>
- Vimeo
 - Terms of Service <https://vimeo.com/terms>
 - Privacy Policy <https://vimeo.com/privacy>
- Unity
 - Terms of Service <https://unity3d.com/legal/terms-of-service>
 - Privacy Policy <https://unity3d.com/legal/privacy-policy>
- Github
 - Terms of Service
<https://docs.github.com/en/github/site-policy/github-terms-of-service>
 - Privacy Policy
<https://docs.github.com/en/github/site-policy/github-privacy-statement>



Course Policies

- The class will consist of a combination of
 - lecture/demonstration (lectures will be posted on a video streaming service) and
 - weekly virtual meetings with the instructor.
- The work in this class is project based. During the first half of the semester we will make a series of mini projects that will be assembled into a reel. During the second half of the semester we will make longer form projects
- Students are subject to, and must comply with college policies found in the current College Catalog and Student Handbook.
- All of the class work will be officially turned in on Canvas. I will ask students to also post their work in the GCC Animation Slack for feedback from other members of the course.
- The instructor will virtually meet with students in small groups virtually once a week, **except for the first week of classes.**

Attendance Requirements

If you miss more than two weekly meetings with the instructor and fail to turn in any assignments for more than two weeks you will be automatically dropped from the class. I try to be as reasonable as possible. If you are experiencing difficulties please communicate that via email. I am much more understanding when students promptly communicate their difficulties with the course content.

Participating in class with a positive attitude is essential for your learning, and the learning process of those around you. **Your input is valuable**, please share it with the class. Your participation in critique and class will be graded.

Grading Standards

Your final grade will be based on the percentage of points you earn as follows:

- A
 - < 100%
 - >= 90%
- B
 - < 90%



- $\geq 80\%$
- C
 - $< 80\%$
 - $\geq 70\%$
- D
 - $< 70\%$
 - $\geq 60\%$
- F
 - $< 60\%$

Course Outline

- Mini-Projects 50%
- Large Project One 25%
- Large Project Two 25%

The course outline calendar is listed in the Module section of Canvas.

Late Work

Work submitted after the due date will be accepted at the discretion of the instructor.

Academic Integrity

Integrity is a necessary characteristic of any healthy, flourishing society or community. As such, academic integrity is foundational to learning at Glendale Community College. Students are required to demonstrate the highest levels of honesty in their work and interactions with others. Further, students are responsible for understanding and following the college's standards, as described in Section 2.3.11, "Academic Misconduct," of the GCC Student Handbook at <https://district.maricopa.edu/regulations/admin-regs/section-2/2-3#11>.

Students are expected to demonstrate academic integrity by:

- Producing his/her own original work;
- Keeping course materials (e.g., tests, quizzes, assignments, video conferencing links) confidential;
- Knowing that plagiarism is unacceptable and will not be tolerated



Statement Concerning Plagiarism

There will be content not authored by the student used in this class. Any content included in a project that the student did not directly author should be attributed with a hyperlink and a credit at the end of the work.

Projects shared with class and online

As a member of this class, **you will be required to share the projects with other students** and the instructor in the class. This will involve posting a project online and any project posted online may be password protected by the student. portfolio projects will be critiqued by the instructor and fellow classmates. A critique will consist of constructive feedback, please ignore the negative connotation of the term *critique*. Critiques will occur online.

Canvas Course Cross-listing

I have combined multiple sections of this course on Canvas. You may be interacting online with students from another class. If you have questions, please contact me.

Controversial Content

This class may present artwork that addresses subjects that some students may consider controversial or offensive. The views represented in these artworks do not represent the views of the professor or Glendale Community College. If a student thinks that a particular artwork is especially challenging or unsettling, they can exit the classroom or not view the work. If a student leaves or misses class, they are still responsible for the class content.

Student Rights & Responsibilities

You are expected to know and comply with all current published policies, rules and regulations as printed in the college [Academic Catalog](#), Syllabus, and/or [Student Handbook](#).

- Academic Catalog: <https://www.gccaz.edu/academics/catalog>
- Student Handbook:
<https://www.gccaz.edu/campus-life/office-student-life/student-handbook>

The information in the syllabus is subject to change based on the discretion of the instructor. You will be notified by the instructor of any changes in course requirements or policies.



As per the GCC Student Handbook, Administrative Regulation 2.5.2 Student Conduct Code at <https://district.maricopa.edu/regulations/admin-regs/section-2/2-5#2>, faculty members have the right to remove a student from the teaching environment for disruptive student behavior. Please note that a faculty member may also submit a conduct report to the Dean of Student Life office to invoke the conduct process.

More information on the Student Conduct Code and additional administrative regulations is available in the GCC Student Handbook.

Classroom Accommodations for Students with Disabilities

In accordance with the Americans with Disabilities Act (ADA), the Maricopa County Community College District (MCCCD) and its associated colleges are committed to providing equitable access to learning opportunities to students with documented disabilities (e.g. mental health, attentional, learning, chronic health, sensory, or physical). Each class/term/semester that a student needs academic adjustments/accommodations, the qualified student is required to work with the Disability Resources and Services Office (DRS) at their individual college(s). College DRS offices may only offer accommodations/academic adjustments for their own college. Contact with the DRS should be made as soon as possible to ensure academic needs are met in a reasonable time. New and returning students must request accommodations each semester through DRS Connect online services. To learn more about this online service process, please contact your local DRS office.

If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations, you are welcome to contact DRS by using the information listed on the following webpage:

<https://district.maricopa.edu/consumer-information/disability-resources/contacts>. The DRS office offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions qualifying for accommodations/academic adjustments. Reasonable accommodations are established through an interactive process between you, your faculty, and DRS; and only those academic adjustments/reasonable accommodations granted by the DRS are recognized by the college and MCCCD. It is the policy and practice of the MCCCD to create inclusive and accessible learning environments consistent with federal and state law.



Addressing Incidents of Sexual Harassment/Assault, Dating/Domestic Violence, and Stalking

In accordance with Title IX of the Education Amendments of 1972, the MCCCCD prohibits unlawful sexual harassment against any participant in its education programs or activities. Sexual harassment includes quid pro quo (this for that) harassment, hostile environment, sexual assault, dating/domestic violence, and stalking. This prohibition against sexual harassment - including sexual violence - applies to students, MCCCCD employees, and visitors to campus.

The policy of the MCCCCD is to provide an educational, employment, and business environment free of sexual violence, unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct or communications constituting sexual harassment as prohibited by state and federal law. Incidents of Sexual Misconduct should be reported to the college Title IX Coordinator, as outlined in policy. MCCCCD will provide on its [Title IX and Preventing Sexual Harassment](#) webpage a link to all [Title IX Coordinators](#) at the MCCCCD. Reports may be filed anonymously at: <https://district.maricopa.edu/consumer-information/reporting>.

Basic Needs

Maricopa Community Colleges is committed to the academic success of our students, and we understand that basic needs have a direct impact on the well-being and success of our students. Basic needs can include food, housing, transportation, wellness, child care and other important areas. Find help with these and other resources:

[Student Basic Needs](#)

The Department of Economic Security is hosting "Support for Success" events on campus to provide information and a connection to resources including nutrition, cash, and medical assistance the first week of the semester.

There is a food pantry located within the Student Union Building in the Student Leadership Center, SU 123 A. You are able to visit the Food Pantry Once per day to collect up to 3 food items, plus toiletries when available, Monday through Friday (fall and spring), Monday through Thursday (summer months) Posted Hours of Operation for the Pantry are Wednesdays from 9 a.m. - Noon. (Other hours are available, please check the Student Leadership Center's hours of operation.)

Student Life

There are many support services that can help you be successful in your goals. There is a tutoring center and specific subject assistance centers as well as counseling and career



assistance. Check out the [Student Life](#) page for links to these and many other resources you should take advantage of in your time at GCC.