

ART 285 3D Modeling and Animation 35312 Syllabus

Glendale Community College Main - **Spring 2022**

Instructor Information

- **Instructor:** Dr. Casey Farina
- **Virtual Office Hours** are held virtually through Google Meet. The meeting link is on the front page of Canvas. <https://meet.google.com/xyt-hgqe-sgk>
 - A virtual meeting can be arranged by emailing
- **In Person Office Hours**
 - M W 3:30 - 4:30 in HT1 134 (classroom) or LS 238
- Email: casey.farina@gccaz.edu
- Format: Online
 - All lectures will be recorded and available online
 - In person attendance is not required

Course Information

- **Course Format:** Online
- **Credit hours:** 3
- **Contact hours:** 6 periods
- **Course Start Day:** 1/19/2022
- **Course End Day:** 5/9/2022 - **no work will be accepted after this date**
- **Final Portfolio Due:** 5/9/2022 - **no work will be accepted after this date**
- **Final Portfolio Review:** 5/9/2022 - Live online or in person
- 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 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

1. Select textures to be used on surfaces of backgrounds and 3D models. (I)
2. Apply material to surfaces and 3D models using various painting and mapping techniques. (I)
3. Determine illumination effects on a 3D model. (II)
4. Apply various deformation principles for animation and special effects. (II)
5. Produce a 3D character study. (III-V)
6. Use forward and inverse kinematics to animate a character. (IV)
7. Apply animation principles to objects and environments. (IV)
8. Construct a character applying appropriate tools, materials and textures. (V)

Textbooks

There is no required textbook for this class. The lectures on Youtube and other 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.*
- Primarily online students will need a **computer with a dedicated graphics card**. If you do not own a computer with a dedicated graphics card (NOT an Integrated graphics card) then I would recommend applying for a [loaner laptop from GCC](#).
- Primarily in person students can use their own laptop that adheres to the requirements listed above and **use the computers in the Digital Media Arts Animation Lab (HT1 134)**.

Course Policies

- The work in this class is project based. We construct a series of 3D modeling projects over the course of the semester.
- Late work will be accepted at the discretion of the instructor. **The focus of this class is creating a high quality portfolio. Students who submit late work have less time to refine their portfolio work. Successful students in this class focus on creating strong portfolio work rather than merely “completing assignments.”**
- Students are subject to, and must comply with college policies found in the current College Catalog and Student Handbook.
- Failure to turn in **any work for two weeks with no communication** will result in being dropped from the course. If you are experiencing difficulties please contact the instructor via email ASAP.

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.



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.
- **Miro**
 - <https://miro.com/signup/>
- **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>

Software

- **Cinema 4D from MAXON**
 - Software for 3D Design and Rendering
 - <https://www.maxon.net/en/educational-licenses>
- **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.
- **Blender**
 - <https://www.blender.org/download/>
 - Computer Graphics software
- **Github**
 - Online Software development and backup
 - <https://education.github.com/students>
- **Open Broadcast Software**
 - <https://obsproject.com/>
 - Software for screen recording

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>
- **Blender**
 - Terms of Service <https://www.blender.org/about/license/>
 - Privacy Policy <https://www.blender.org/about/license/>
- **Unity**



- Terms of Service <https://unity3d.com/legal/terms-of-service>
- Privacy Policy <https://unity3d.com/legal/privacy-policy>
- **Miro**
 - Terms of Service <https://miro.com/legal/terms-of-service/>
 - Privacy Policy <https://miro.com/legal/privacy-policy/>

Grading Standards

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

- A
 - < 100%
 - >= 90%
- B
 - < 90%
 - >= 80%
- C
 - < 80%
 - >= 70%
- D
 - < 70%
 - >= 60%
- F
 - < 60%

Course Outline

- Mini-Projects 75%
- Final Portfolio 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 may 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 MCCCDC. It is the policy and practice of the MCCCDC 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 MCCCDC 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, MCCCDC employees, and visitors to campus.

The policy of the MCCCDC 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. MCCCDC will provide on its [Title IX and Preventing Sexual Harassment](#) webpage a link to all [Title IX Coordinators](#) at the MCCCDC. Reports may be filed anonymously at: <https://district.maricopa.edu/consumer-information/reporting>.

Sexual Harassment Statement

Sexual harassment is any unwelcome, verbal or physical conduct of a sexual nature that is sufficiently severe, persistent or pervasive that it alters working conditions and creates a hostile environment or reasonably interferes with, limits, or deprives a student of the ability to participate in or benefit from any educational program or activity.

Sexual harassment and discrimination in any college education program or activity are prohibited. Sexual Harassment may include hostile environment harassment, sexual assault, inducing incapacitation for sexual purposes, sexual exploitation or dating violence and stalking.

Students should report any discrimination and/or harassment they experience and/or observe to the [GCC Office of Student Life](#) in the Student Union. Phone (623) 845-3525 or use the form provided at Maricopa.edu.



To view the full Sexual Harassment Policy refer to the Student Handbook, [Sexual Harassment Policy for Students \(AR 2.4.4\) \(see also 5.1.8\)](#).

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.

Emergency Situations

In the event of an emergency, it may be necessary for GCC to suspend normal operations. GCC may opt to continue delivery of instruction through alternative methods including online tools, Canvas, email, and/or an alternate schedule. It's the responsibility of the student to contact professors and monitor the Canvas site for course specific communication, and the main GCC website, emails, and RAVE messages for important general information. Campus support services may also be suspended or delivered in an alternative format.



COVID-19 Student and Faculty Illness

In the event of student illness, students should contact the faculty member as soon as possible to see if alternative arrangements can be made. Attendance policies will follow the syllabus for each course. Additionally, please be sure to report your Coronavirus (COVID-19) Diagnoses to help us manage the risk within our community. In the event of faculty illness, the faculty member or representative of the GCC department will contact students with the next steps for continuing the course.

GCC is taking the following steps to keep the entire GCC community safe

- Stay home if you feel sick.
- Perform hand hygiene frequently.
- We strongly encourage at least 3 feet social distancing from other people..
- **Face coverings are required when indoors and in large gatherings**

Face Coverings On-Campus

District policy requires all individuals on campus to wear a face covering or mask while indoors. This policy protects the health and safety of the students, faculty and staff in the college/District community during the COVID-19 pandemic. If you need an accommodation from wearing a face covering for a health-related reason or an existing disability, please call the Disability Resource Services (DRS) office to begin the process for requesting an accommodation. Students who have a religious reason for not wearing a face covering should file a request for a religious accommodation with the Dean of Student Life Office. Their request will be evaluated according to the Religious Accommodation Procedure.

Until such time as you receive an accommodation, you must either wear a face covering or leave class. Note that faculty have the discretion to excuse the absence and do not have to modify their attendance requirements unless an official accommodation is granted to the student.

Students who refuse to wear a face covering to class (while the face covering requirement is in place) and who have no accommodation in place (due to religious, health-related reasons or an existing disability) and have not worked with their faculty member or school administration



regarding moving to an online class may be referred for a code of conduct violation (failure to follow college policy/directives). Refusal to leave class after being told to leave by the instructor (due to refusal to wear the face covering) should be treated as are other classroom disruption cases, including calling Public Safety if necessary.

Student Responsibility for Information in the Syllabus

- [The GCC Common Syllabus Elements](#) are regarded as part of this syllabus
- Students will be notified by the instructor of any changes in course requirements or policies.
- Students must agree to the Syllabus information and requirements in the **Syllabus Acknowledgement Quiz** on Canvas.