**ANI 230-601 3D Design & Modeling**

**Spring 2020**

**Meeting Time:** Mondays and Wednesdays 1:30 pm-3:00 pm

March 30, 2020- June 10, 2020

**Instructor:** Jacqueline Smessaert Brennan

**OFFICE HOURS:**

**Since these are virtual office hours, I am obviously very flexible but I will be online and available specifically at the following times:**

Tuesdays 12-2

Fridays 12-3

**We can set up a zoom meeting or google hangout. You can either ask questions or send me your Maya file ahead of time so I can look at it.**

**email:** [jbrennan@cdm.depaul.edu](mailto:jbrennan@cdm.depaul.edu)

**Important Dates:**

Friday April 3,2020 Last day to Add classes

April 10-12 University Closed—Easter Weekend

April 13, 2020 Last Day to Drop Classes without Penalty

April 14, 2020 Last day to select pass/fail option

Course Summary:

Students will use computer modeling to explore the principles of 3-dimensional design. Projects involving object, character and architectural modeling will emphasize the aesthetic concepts of spatial proportion (scale, angle and position), silhouette, negative space, rhythm, balance, light/shadow and texture. Students will emerge with the ability to create well designed 3D models, and be familiar with the basics of polygonal modeling, texturing, lighting and rendering for animation, computer games and cinema.

Course Objectives: After completing this course, students will have:

1. Gained basic concepts and understanding of tools related to 3D production.
2. Become comfortable with basics of modeling, lighting, texturing and rendering.
3. Understand the fundamentals of strong 3D design.

**MEETINGS AND ONLINE MATERIALS:**

This is the first tie this class will be offered completely online. I’m going to outline class protocol as I see it now. This may change as we progress in order to best meet the needs of all students and give everyone the best experience possible. As of now, here is the plan:

* We will have a **combination of synchronous and asynchronous learning** meaning that:
  + **we will meet during the first portion scheduled class time** to check in, have discussions, critiques and allow me to answer questions. I will send a zoom meeting link and you should plan to log in on Mondays and Wednesdays at the beginning of class time.
  + I will make a series of short (10ish minutes for the most part) videos to take you through exercises and tutorials for assignments. I may ask you to submit exercises or post to discussion for class participation points (5 per week).
  + I will be available for office hours on Tuesdays (12-2) and Fridays (12-3) to answer questions or give feedback on files.

**HARDWARE and SOFTWARE REQUIREMENTS for ANI 230, 231, 300, and 378**

**Maya:** Students can download Maya for free from the Autodesk website. In keeping with DePaul labs, we are using Maya 2019

<https://www.autodesk.com/education/free-software/maya>

**PC (or Mac equivalent)**

CPU: Intel i7 processor or newer (or AMD equivalent)

RAM: 16 GB of RAM.  32 GB recommended for 3D Animation

VIDEO CARD: Gaming Card with minimum 4 GB of VRAM.  8 GB Recommended.

Monitor with 1920 x 1080 resolution or greater

30GB hard disk space for software installation

3 button mouse

**Assignments:**

All assignments and grades will be managed on D2L. Unless I tell you otherwise, assigned work must be completed and submitted on D2L BEFORE class starts. Don’t wait until the last minute to attempt to submit your assignment. Turning in something unfinished is always better than nothing at all.

**ONE-TIME LATE PASS:** You may be late with 1 (ONE) assignment. Late assignments will be due on/around week 8 (exact date will be given as we approach the final weeks.) Late assignments will be graded without penalty but will not necessarily receive critique. Late assignments will generally not be critiqued in class.

**AFTER YOU HAVE USED THE LATE PASS:** 10 points will be deducted per day for each late assignment unless you have already worked out an arrangement with me IN ADVANCE.

Students who use class time to finish assignments on the day they are due will forfeit the right to turn in that assignment. Class time is for working with the material at hand, not finishing late assignments.

Assignments must be in the following format: LastnameFirstname\_projectnameNumber.extension

example: BrennanJ\_AwesomeProject01.mb

* Special Accommodations: If you have any special considerations please see the instructor.

* BACK UP YOUR WORK: Failure of computer software and or hardware will not be accepted as an extenuating circumstance for late projects or incomplete grades so back up your work daily.

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| **Assignment** | **Points** | **Percentage** | **Due Date** |
| Simple Fan | 50 | 5 | 4/8 |
| Abstracted Animals | 100 | 10 | 4/15 |
| Low Poly Shoe | 100 | 10 | 4/22 |
| Low Poly Object | 100 | 10 | 4/29 |
| Eerie Architecture: Research and Concept Art | 100 | 10 | 5/6 |
| Eerie Architecture:Rough Model | 50 | 5 | 5/13 |
| Eerie Architecture:Final | 150 | 15 | 5/20 |
| Chimera Research, Concept and Sketches | 50 | 5 | 5/27 |
| Chimera Rough Draft | 50 | 5 | 6/3 |
| Final Presentation | 200 | 20 | 6/10  8:30 am |
| Class Participation | 50 | 5 |  |
| Total | 1000 | 100 |  |

Grading:

95% Assignments

5% Participation/Attendance

1. = Excellent
2. = Very Good
3. = Good
4. = Acceptable

F = Unacceptable

A = 100-93, A- = 92-90, B+ = 89-88, B = 87-83, B- = 82-80, C+ = 79-78, C = 77-73, C- = 72-70, D+ = 69-68, D = 67-63, D- = 62-60, F = 59-0.

Academic Integrity:

Work done for this course must adhere to the DePaul University Academic Integrity Policy, which you can review in the Student Handbook or by visiting http://academicintegrity.depaul.edu/

DO NOT SHARE DIGITAL FILES OR PASS THEM BACK AND FORTH UNDER ANY CIRCUMSTANCES. This is strictly forbidden. All digital assignments must have been generated completely by you, unless I expressly tell you otherwise. If you need help you must seek out help in person and UNDER NO CIRCUMSTANCES are you to email or otherwise transfer your own working files to anyone except the instructor.

Materials and Supplies:

We will be using Maya for the duration of the class. It is recommended that you install the latest version of Maya at home if you are so able. You may not be able to access the provided files with older versions of Maya. It’s your responsibility to troubleshoot any installation issues directly with Autodesk.

You need to join Autodesk Education Community to access their free software.

Class Materials:

Maya software (use lab computers and/or free license installed on home system, Win or Mac) <http://www.autodesk.com/education/free-software/maya>

Flash drive or removable external

Reference Websites:

Tutorials through LinkedIn Learning <https://offices.depaul.edu/information-services/services/technology-training/Pages/online-training.aspx>

Maya tutorials: <https://www.highend3d.com/>

Weekly Schedule (subject to change):

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| Week 1: 3/30-4/1 | Intro to 3D Space, Coordinate System, Simple Transforms, Navigation  3D Design; Modeling w/ Primitives; Groups & Layers  Simple Fan |
| Week2: 4/6-4/8 | Abstracted Animals  Cameras & Rendering  Polygonal Modeling: Edge Loops  Simple Fan Due |
| Week 3: 4/13-4/15 | Polygonal Low-Poly Shoe Model  Extrusion  Normals  Abstract Animal due |
| Week 4: 4/20-4/22 | Creating Low Poly Objects  Polygonal Modeling: Multicut Tool; Cleanup  COLOR! Introduction to Materials  Low Poly Shoe Due |
| Week 5: 4/27-4/29 | Intro to Eerie Architecture Project  Modeling and Texturing  Eerie Architecture (Modeling and Texturing) – continued  Introduction to UVs  Low Poly Object of Choice due |
| Week 6: 5/4-5/6 | Eerie Architecture cont’d  UVs & Texturing  Environment Modeling  Fun in the Content Browser  Eerie Architecture (Texturing & Environment Modeling) – continued  Eerie Architecture Research Due |
| Week 7: 5/11-5/13 | Lighting and Rendering  Character Design and Organic Modeling: Intro to Chimera  Eerie Architecture Rough Draft Due |
| Week 8: 5/18-5/20 | Chimera low-poly model – continued  Eerie Architecture Final |
| Week 9: 5/25-5/27 | Character Design: UVs and Textures  Chimera UVs and textures  UV Mapping exercises in class  Chimera Research Due |
| Week 10: 6/1-6/3 | Chimera Rough Draft Due  In class critiques/advice |
| March 19th  Final Presentation | **Chimera Final Presentation will be**  **on 6/10 11:30a,-1:45 pm** |

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| A free student version of Autodesk Maya can be downloaded here:  <http://students.autodesk.com/?nd=download_center>  **COURSE MANAGEMENT SYSTEM:**  D2l is where all course information can be found and assignments will be turned in:  [https://**d2l**.**depaul**.edu/](https://d2l.depaul.edu/)   |  |  | | --- | --- | | **Course Policies**  **Changes to Syllabus**  This syllabus is subject to change as necessary during the quarter.  If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.  **Online Course Evaluations**  Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student’s identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in [CampusConnect](https://campusconnect.depaul.edu/). Email Email is the primary means of communication between faculty and students enrolled in this course outside of class time. Students should be sure their email listed under "demographic information" at [CampusConnect](http://campusconnect.depaul.edu/) is correct. Academic Integrity and Plagiarism This course will be subject to the academic integrity policy passed by faculty. More information can be found at <http://academicintegrity.depaul.edu/>.  The university and school policy on plagiarism can be summarized as follows: Students in this course should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work any assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor. Withdrawal Students who withdraw from the course do so by using the Campus Connection system ([http://campusconnect.depaul.edu](http://campusconnect.depaul.edu/)). Withdrawals processed via this system are effective the day on which they are made. Simply ceasing to attend, or notifying the instructor, or nonpayment of tuition, does not constitute an official withdrawal from class and will result in academic as well as financial penalty. Retroactive Withdrawal This policy exists to assist students for whom extenuating circumstances prevented them from meeting the withdrawal deadline. During their college career students may be allowed one medical/personal administrative withdrawal and one college office administrative withdrawal, each for one or more courses in a single term. Repeated requests will not be considered. Submitting an appeal for retroactive withdrawal does not guarantee approval.  College office appeals for CDM students must be submitted online via MyCDM. The deadlines for submitting appeals are as follows:   * Autumn Quarter: Last day of the last final exam of the subsequent winter quarter * Winter Quarter: Last day of the last final exam of the subsequent spring quarter * Spring Quarter: Last day of the last final exam of the subsequent autumn quarter * Summer Terms: Last day of the last final exam of the subsequent autumn quarter  Excused Absence In order to petition for an excused absence, students who miss class due to illness or significant personal circumstances should complete the Absence Notification process through the Dean of Students office. The form can be accessed at <http://studentaffairs.depaul.edu/dos/forms.html>. Students must submit supporting documentation alongside the form. The professor reserves the sole right whether to offer an excused absence and/or academic accommodations for an excused absence. Incomplete An incomplete grade is a special, temporary grade that may be assigned by an instructor when unforeseeable circumstances prevent a student from completing course requirements by the end of the term and when otherwise the student had a record of satisfactory progress in the course. CDM policy requires the student to initiate the request for incomplete grade before the end of the term in which the course is taken. Prior to submitting the incomplete request, the student must discuss the circumstances with the instructor. Students may initiate the incomplete request process in [MyCDM](https://my.cdm.depaul.edu/myCDM).   * All incomplete requests must be approved by the instructor of the course and a CDM Associate Dean. Only exceptions cases will receive such approval. * If approved, students are required to complete all remaining course requirement independently in consultation with the instructor by the deadline indicated on the incomplete request form. * By default, an incomplete grade will automatically change to a grade of F after two quarters have elapsed (excluding summer) unless another grade is recorded by the instructor. * An incomplete grade does NOT grant the student permission to attend the same course in a future quarter. |  | |  |  | |  |  |   **Emergency Plan.**An emergency can occur at any time, suddenly and without warning. Proper planning is essential to minimize the impact of any emergency on the university community, operations and facilities.  The following link provides detailed information on Emergency Evacuation and Fire Alarm safety:  <https://resources.depaul.edu/emergency-plan/emergency-evacuation/Pages/Evacuation.aspx>.  The University will use the DPU Alert to announce school closing or other emergencies.  In the event of an emergency evacuation, the primary outdoor assembly area for CDM will be Grant Park (Southeast corner of Jackson and Michigan Ave).    **Preferred Name & Gender Pronouns.**Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender, gender variance, and nationalities. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the quarter so that I may make appropriate changes to my records. Please also note that students may choose to identify within the University community with a preferred first name that differs from their legal name and may also update their gender. The preferred first name will appear in University related systems and documents except where the use of the legal name is necessitated or required by University business or legal need.  For more information and instructions on how to do so, please see the Student Preferred Name and Gender Policy at <http://policies.depaul.edu/policy/policy.aspx?pid=332> |