San José State University
College of Humanities and the Arts/Animation and Illustration
41686, Digital Modeling I, 01, Fall, 2018

Course and Contact Information

Instructor:	Dave Gustlin
Office Location:	Art 225
Telephone:	(408) 924-4661
Email:	Use CANVAS to email
Office Hours:	MoWe 11:30 AM - 12:00 PM.
Class Days/Time:	MoWe 12:00 PM - 2:50 PM
Classroom:	Art 222

Program Updates:

http://www.shmgoogle.com/

Course Description

We will continue to improve the foundation modeling and texturing skills we learned in 51A. We will shift our focus from non-organic objects to modeling organic objects, with all the inherent challenges implicit in those shapes.

We will "fold" in to this pipeline, the use of ZBrush. ZBrush is a robust, sculpting package that is an industry standard. It's potential uses are manyfold, and can be applied to visual development, as well as modeling.

We will continue to use Maya as a "hub" program, and Substance Painter as our go to texturing program. It is expected that you will have a working knowledge of these two programs.

Course Learning Outcomes (CLO) (Required)

Upon successful completion of this course, students will be able to:

CLO1 - Model organic objects

CLO2 - Character modeling pipeline as practiced in the video game industry

CLO3 - ZBrush

CLO4 - Advanced UV Mapping, including "pelt mapping"

CLO5 - Digital sculpting

CLO6 - Re-topology

CLO7 - Maya to ZBrush pipeline

CLO8 - Edge looping for deformation

CLO9 - Basic rigging, weight painting, and corrective shapes

Required Texts/Readings (Required)

Textbook
No TEXT for this class.

Other technology requirements / equipment / material

It is recommended that you have some sort of portable hard drive to backup your files.

You need to get a Cintiq pen (shown below) ASAP! Not all Wacom pens are usable with the Cintiq!

Course Requirements and Assignments

"Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally 3 hours per unit per week with 1 of the hours used for lecture) for instruction or preparation/studying or course related activities including but not limited to internships, labs, clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus."

Regular attendance for this class is critical! Almost all of the material pertinent to the completion of assignments is presented in lecture format. Recordings of these lectures will be available for reference, **BUT should not be used as a substitute for regular attendance!**

Additionally, as the semester progresses, the assignments will be more cumulative in nature. Failing to attend and falling behind will make it very difficult to make up. Of course, exception and accommodation will be made for underlined illness, family emergencies, etc.

It is very important to come and listen, take notes, and participate in class discussions and critiques. There is lots to be learned both formally and informally.

The Shrunken Head Man Club puts on a number of events during the semester. Students are encouraged to attend all events and be as active as they can be with SHM. A big part of your college experience will come from these events.

There are at least 2-3 events a semester, that involve artists and leading industry companies coming to campus. These events will be highlighted and their importance made known well in advance! Every encouragement will be made that students attend these events. If I feel it helpful, I will adjust due dates, etc. to encourage attendance.

Final Examination or Evaluation

The Final in this class will consist of, the final submission of our last project.

Grading Information

At my <u>discretion</u>, every assignment will have a rubric associated with it, that will break down the grading, and give a detailed explanation for each portion that is being assessed. It will also assign a point total for each part, giving the student a clear idea of the weighting. An **example** is shown below.

DSTT03_NURBsBase			
Criteria	**Ratings**		**Pts**
On Time	10.0 pts Full Marks	0.0 pts No Marks	10.0 pts
Followed Directions	10.0 pts Full Marks	0.0 pts No Marks	10.0 pts
Use of NURBs to create pipes Did you use NURBs to create the pipes, and generate polygonal mesh?	40.0 pts Full Marks	0.0 pts No Marks	40.0 pts
Creation of clean base. Did you use the Boolean operation to combine all the pieces of the base and then clean it up?	40.0 pts Full Marks	0.0 pts No Marks	40.0 pts
			Total Points: 100.0

 Penalty for late or missed work: Work is considered late if it is not posted on CANVAS and/or the server before class starts! Always turn in what you have no matter how atrocious! Not turning in anything is an automatic F!!

Late work will be graded down 10 points out of a 100. You have until the following class session to turn in late work.

Re-dos and extra Credit: There will be no re-dos and no extra credit, with the exception of the "Final" submissions for each assignment. I will accept re-dos for these assignments, up until the end of the semester. However. it will be on the student to make me aware of and re-sub and adjustment of the grade as appropriate.

Family Emergencies and other Crisis's: All family emergencies or other life crisis's will require a doctor's note for verification. I will work with any student to adjust the curriculum to take into account any authenticated emergency. If possible, all efforts should be made to notify in advance.

It is expected that some form of communication in a timely fashion will be received by me regarding any difficulties. Do not drop out for weeks at a time and then expect to return to class without some notice of your difficulties.

Also, if you are feeling overwhelmed with school, please let me know and or seek out help at Student Services. I am happy to try and work something out, but you have to let me know! You are here to learn, not to suffer!

Incompletes: I will only give out an incomplete if you have or are experiencing a **compelling** family emergency and/or life crisis. You have to complete the work on your own and have one year to submit all final materials for consideration or your grade reverts to an F.

Grades: I will make every effort to have your grades updated daily/weekly on CANVAS, allowing you to stay up to date.

Grade Weighting:

Attendance/Participation	10%
Regular Assignments*	50%
The FNL versions**	40%

* - The last turn in of an assignment will always be double weighted.

** - Any assignment name _FNL will be lumped into the 40% pool.

Classroom Protocol

I expect you to be on time and ready to work when class starts. All work due that day should be posted on CANVAS and on the server. Please do not wait until the last minute.

When I am lecturing I expect complete attention! I want all eyes on me. Using your cell phone at this time or accessing the internet on your computer is prohibited! During breaks and during lab time, it is acceptable to use social media as long as it does not interrupt class.

Do not use lecture/crit time in class to hide in the back of the class and try to finish your work. This is a poor use of your time.

The taking of attendance will commence at the start time of class. I will call out your name several times and look for you in the classroom. If you are present raise your hand and say in a loud voice, "here!" If I receive no response, and I am unable to locate you visually, I will mark you absent. If you come in late, I will adjust the absent to a late. There will be no revisions of this record, period.

University Policies

General Expectations, Rights and Responsibilities of the Student

As members of the academic community, students accept both the rights and responsibilities incumbent upon all members of the institution. Students are encouraged to familiarize themselves with SJSU's policies and practices pertaining to the procedures to follow if and when questions or concerns about a class arises. See University Policy S90–5 at http://www.sjsu.edu/senate/docs/S90-5.pdf. More detailed information on a variety of related topics is available in the SJSU catalog, at http://info.sjsu.edu/web-dbgen/narr/catalog/rec-12234.12506.html. In general, it is recommended that students begin by seeking clarification or discussing concerns with their instructor. If such conversation is not possible, or if it does not serve to address the issue, it is recommended that the student contact the Department Chair as a next step.

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's Catalog Policies section at http://info.sjsu.edu/static/catalog/policies.html. Add/drop deadlines can be found on the current academic year calendars document on the Academic Calendars webpage at http://www.sjsu.edu/provost/services/academic_calendars/. The Late Drop Policy is available at http://www.sjsu.edu/aars/policies/latedrops/policy/. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the Advising Hub at http://www.sjsu.edu/advising/.

Consent for Recording of Class and Public Sharing of Instructor Material

University Policy S12-7, http://www.sjsu.edu/senate/docs/S12-7.pdf, requires students to obtain instructor's permission to record the course and the following items to be included in the syllabus:

· "Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material."

Do not record the class without my consent! Class recordings will be provided for use to supplement lecture notes. These should not be shared outside of class. See below.

· "Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent."

CHEATING

Don't do it! You are required to create your own content from scratch in this class, it is completely **IMPERMISSABLE** to copy, reference, borrow, or otherwise use another student's work or something you scrounged up on the internet and attempt to pass it off as your own work!!!

Maya has DNA. Everything you create has a fingerprint and if I get wind of anyone cheating, I will immediately, bring action against the transgressor. At the very least you will fail my class and at worst you could possibly be expelled from the university! See below...

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at http://www.sjsu.edu/aec to establish a record of their disability.

Student Technology Resources

Computer labs for student use are available in the Academic Success Center at http://www.sjsu.edu/at/asc/ located on the 1st floor of Clark Hall and in the Associated Students Lab on the 2nd floor of the Student Union. Additional computer labs may be available in your department/college. Computers are also available in the Martin Luther King Library. A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiotape players; sound systems, wireless microphones, projection screens and monitors.

SJSU Peer Connections

Peer Connections, a campus-wide resource for mentoring and tutoring, strives to inspire students to develop their potential as independent learners while they learn to successfully navigate through their university experience. You are encouraged to take advantage of their services which include course-content based tutoring, enhanced study and time management skills, more effective critical thinking strategies, decision making and problem-solving abilities, and campus resource referrals.

In addition to offering small group, individual, and drop-in tutoring for a number of undergraduate courses, consultation with mentors is available on a drop-in or by appointment basis. Workshops are offered on a wide variety of topics including preparing for the Writing Skills Test (WST), improving your learning and memory, alleviating procrastination, surviving your first semester at SJSU, and other related topics. A computer lab and study space are also available for student use in Room 600 of Student Services Center (SSC).

Peer Connections is located in three locations: SSC, Room 600 (10th Street Garage on the corner of 10th and San Fernando Street), at the 1st floor entrance of Clark Hall, and in the Living Learning Center (LLC) in Campus Village Housing Building B. Visit Peer Connections website at http://peerconnections.sjsu.edu for more information.

SJSU Writing Center

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the Writing Center website at http://www.sjsu.edu/writingcenter. For additional resources and updated information, follow the Writing Center on Twitter and become a fan of the SJSU Writing Center on Facebook. (Note: You need to have a QR Reader to scan this code.)

SJSU Counseling Services

The SJSU Counseling Services is located on the corner of 7th Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit Counseling Services website at http://www.sjsu.edu/counseling**.**

41281 / Introduction to 3D Modeling, Fall 2018, Course Schedule

Schedule - SUBJECT TO CHANGE*

Wk.	Mon.		Wed.	
1	8/20	- No Class-	8/22	**First Day**
2	8/27	**Lec: ZBrush Intro**	8/29	**Due: ZBFun**
3	9/3	- No Class-	9/5	**Due: cutrHat_open** **In Class: Orange pipeline**
4	9/10	**Due: cutrHat_crown**	9/12	**Due: cutrHat_dets**
5	9/17	**Due: cutrHat_gameUVs**	9/19	**Due: Due: cutrHat_SP**

6	9/24	Due: Due: cutrHat_FNL	9/26	Due: ZBFun
7	10/1	Due: boot_baseMesh	10/3	
8	10/8	Due: boot_HRwrinkles	10/10	
9	10/15	Due: boot_HRdets	10/17	Due: boot_gameUVs
10	10/22	Due: boot_xNormal	10/24	Due: boot_SP
11	10/29	Due: boot_FNL	10/31	Due: ZBFun
12	11/5	Due: boxTroll_base	11/7	
13	11/12	- No Class-	11/14	Due: boxTroll_body
14	11/19	Due: boxTroll_head	11/21	- No Class-
15	11/26	Due: boxTroll_game	11/28	Due: boxTroll_rig
16	12/3	Due: boxTroll_pose	12/5	Due: boxTroll_SP
17	12/10	Last Day of Class	12/12	- No Class-
18	12/13	FINAL**, 0945-1200, Due: boxTroll_FNL		

* - with fair notice.

**- Please check with me before booking flights, etc. to make sure nothing has changed.