DIG3313C 2D Digital Animation Techniques

Instructor
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Email
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Office Location
NRG 119

Office Hours
TBD

Course Number
DIG3313C

Semester/Year
Fall 2019

Course Credits
3 credits

Course Location
NRG 0120 (OORC)

Course Meeting Times
M | Period 4 (10:40 AM - 11:30 AM)
W | Period 4 - 5 (10:40 AM - 12:35 PM)

Course Description

This course is designed to instill an understanding of animation principles and produce quality 2D Digital animations implementing these principles and exploring various techniques. During the course of the semester the students will be assigned 8 weekly projects and two group-based projects focused on principles that utilize key aspects of the required software. For the final project each student will create an animated film, 15-20 seconds in length, through which they will learn the production process of animation including writing a treatment, storyboarding, timing through animatics and final rendered animations.

Pre-Requisites
- DAS major or instructor permission

Objectives: By the end of this course, students will be able to:
- Identify and apply the 12 Animation Principles
- Have an understanding of timing and motion through key-frames, holds and in-betweens
- Relate knowledge of various animation history and techniques
- Describe characteristics of well-designed and executed animation
- Demonstrate skills in the use of industry standard tools

Required Materials
- Richard Williams, "The Animator's Survival Kit"
- Lynda.com (FREE access to UF students)
- Toon Boom Harmony (essentials, or premium)
- Adobe CC 5. Two-Monitor setup for software instruction (ONLINE students)
- Laptop Computer

Recommended Materials
- 1. Eadweard Muybridge, "The Human Figure in Motion"
- Intuos Pen tablet (or similar) Title

Course Schedule

This schedule is only a guide and is subject to change. Unless otherwise indicated, assignments and readings are due the day they are listed on the syllabus, not the following day.

Week	Subject	Assignment/Quizzes	Assignments Due
Week 1	Course overview: software and supplies, computer lab hours, resubmit policy, assignment and date review	Assign 1- Fish Tank Read pg. 11-34	JAN 10TH
Week 2	Principles of Animation 1: - Timing and Spacing Charts - Squash and Stretch Software intro: interface and major tools	Assign 2: Bouncing Balls Read pg. 35-69, 256-27	JAN 24TH
Week 3	Principles of Animation 2: - Slow In, Slow Out - Squash and Stretch - Timing - Anticipation	Assign 3: Bringing Shapes to Life (shape with personality) *Start puppet design* Read pg. 84-101	JAN 31ST
Week 4	Principles of animation cont. Software tools / in class demo	Assign. 4: walk cycle Read pg. 102-163	FEB 7TH
Week 5	Character Sketch Exercise What Makes a Character? Principles of Animation - Staging - Solid Drawing - Appeal Character Design: Optimization for Puppet - Reference - Personality - Visual Contrast - Replacement Parts	Assign. 5: puppet design Read pg. 164-216	FEB 14TH
Week 6	Review of Character Designs Concepts of Design - Composition of a scene - Color Design - Value - FG, MG, BG elements - Shot Composition Principles	Assign. 6: walk cycle w/ personality Read pg. 217-255	FEB 21ST
Week 7	Review: Character Encountering Obstacle Intro: Animation in professional fields Replacement Animation - Lip Sync - Stop Motion	Assign. 7: walk cycle Read pg. 297-326	FEB 28TH

Week	Subject	Assignment/Quizzes	Assignments Due
Week 8	Poetry, Music and Animation - Creating a mood - Visual Abstraction - Overview of Text	Assign. 8: walk cycle *Treatment due same day* Read pg. 273-296	MARCH 13TH
Week 9	Review: Animation Expressing Mood/Emotion Writing a Treatment Story vs Theme Visual Techniques for Theme/Story Creating a mood: Color, Texture, Composition	Treatment Read pg. 327-339	MARCH 13TH
Week 10	Review: Treatment Storyboarding Shot Composition Directing the Audience Transitions -PS: Demonstration of storyboard setup in Photoshop -AE: Setting up a Simple 3D Environment, Precomping (character), Animating the Camera, Cutting Between Cameras Work on Storyboards	Animatic Read pg. 70-83	March 27th
Week 11	Review: Storyboards (In-class presentation) Creating an Animatic AE: Show how to import storyboards and edit an animatic (sequencing and trimming layers)	PASS 1	APRIL 3RD
Week 12	Additional demos: advanced animation In-class work sessions	Cont. final project	--
Week 13	Review progress and critique. In-class work sessions	PASS 2	APRIL 10TH
Week 14	In- class work sessions	FINAL DUE	APRIL 17TH
Week 15	Final Presentation	PRESENTATION	APRIL 20TH-22ND
Week 16	*No exam*		

Evaluation of Grades

Assignment	Total Points	% of Grade
Group projects – Completing the group project tasks in a cooperative and collaborative manner. Even distribution of work between group members.	100	15%
Assignments – Each assignment is completed, turned in on time, and followed the assignment guidelines respectively.	100	30%
Attendance- Student arrive to class on time, and stay in class during lecture and work periods.	100	10%
Participation – Students are expected to actively participate in class discussions, both in class as well as in course online forums and outside class Group meetings.	100	10%

Assignment	Total Points	% of Grade
Final– The semester long project package is turned in on time, and meets all assignment guidelines.	100	35%

Grading Scale

Letter Grade	% Equivalency	GPA Equivalency
A	94 – 100%	4.0
A-	90 – 93%	3.67
B+	87 – 89%	3.33
B	84 – 86%	3.00
B-	80 – 83%	2.67
C+	77 – 79%	2.33
C	74 – 76%	2.00
C-	70 – 73%	1.67
D+	67 – 69%	1.33
D	64 – 66%	1.00
D-	60 – 63%	.67
E, I, NG, S-U, WF	0 – 59%	0.00

More information on grades and grading policies is here:
https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/

Materials and Supply Fees
Material and supply and equipment use fee information is available from the academic departments or from the schedule of courses (Florida Statutes 1009.24). The total course fee for this class is $0.00.

The total course fee for each course is listed on the UF Schedule of Courses. (https://registrar.ufl.edu/soc/).

Course Polices

Attendance Policy, Class Expectations, and Make-Up Policy
We value participation more than mere attendance. The instructor is responsible for communicating the specific details of what percentage of your grade (if any) will be assigned to participation, and how class participation will be measured and graded. Interaction with your peers and the instructor will empower you to greater achievement.

Attendance is taken in class. Students are allowed 4 absences. After the 5th absence, their overall attendance grade drops 10 points. Days are only excused in the case of emergency, and making up lost work and time will be discussed with the instructor at a case-by-case basis. Provide doctor's notes and proper documentation that applies to a potential situation that would require a student to be out. *It is the student's responsibility to communicate with the instructor if there is an emergency, and how to address missing work once the student has returned.*

This course allows re-submits for weekly assignments only. The re submit policy is as follows:

- **Re-submits open for 1 week from the day your grade is posted.** Even if you are not in the critique schedule for that specific week, you will receive individualized feedback. Feedback can be given more thoroughly if the student seeks out the course assistant or instructor. *It is the student's responsibility* to seek out additional feedback for one-on-one sessions. Utilize class time and office hours for this purpose.
- **Re submits can only be completed if the assignment was completed and turned in prior**. If you received a 0 for the first submission due to no submission, you are not permitted to re submit.
- **Each student receives 3 additional points for re submitting.** If you go through the process of re submitting your weekly projects, you will see a positive reflection in your grade.
- **Do not email re submits.** Emailed projects will not be counted.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/

Course Technology
The students will be required to have access to and use a personal computer with the access to the Internet. Word editing software will be required for written assignments.

The University of Florida and Digital Worlds requires that students have access to and on-going use of a laptop/mobile computer for DIG courses in order to be able to function in the current learning environment. Digital Worlds requires each student's laptop computer to meet certain minimum specs for heavy graphics use, the requirements documented below must be met.

DW Technology Requirements: https://digitalworlds.ufl.edu/programs/ba-in-digital-arts-sciences/technology-requirements/

Course Communications
Students can communicate directly with the instructor regarding the course material through the course management system (CANVAS) using "Canvas Mail".

Course Technology Support

The Technology Support Center provides computer support for Digital Worlds students who access Zoom, lecture recordings, student equipment, facilities and other technology-based resources. http://digitalworlds.ufl.edu/support

For computer assistance related to Zoon, lecture recordings, student equipment, and facilities request please Submit a Help Ticket or email support@digitalworlds.ufl.edu.

For support related to account services, technical consulting, mobile device services, software services, administrative support, application support center, and learning support services, please contact the UF Computing Help Desk available 24 hours a day, 7 days a week at 352-392-4357 or helpdesk@ufl.edu.

UF Policies

University Honesty Policy
UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Class Demeanor
Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor and to fellow students. Please avoid the use of cell phones and restrict eating to outside of the classroom. Opinions held by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

Students Requiring Accommodations
Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, https://www.dso.ufl.edu/drc) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Netiquette Communication Courtesy
All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats, more information can be found at: http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf

Software Use
All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Student Privacy
There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see:
http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html

Course Evaluation
Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a

professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

Campus Resources

U Matter, We Care:
If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center: http://www.counseling.ufl.edu/cwc, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS)
Student Health Care Center, 392-1161.

University Police Department at 392-1111 (or 9-1-1 for emergencies), or http://www.police.ufl.edu/.

E-learning Technical Support
352-392-4357 (select option 2) or e-mail to Learning- learning-support@ufl.edu

Career Connections Center
Reitz Union, 392-1601. Career assistance and counseling. https://career.ufl.edu

Library Support
Various ways to receive assistance with respect to using the libraries or finding resources.
http://cms.uflib.ufl.edu/ask

Teaching Center
Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. http://teachingcenter.ufl.edu/

Writing Studio
2215 Turlington Hall, 846-1138. Help brainstorming, formatting, and writing papers.
http://writing.ufl.edu/writing-studio/

Student Complaints Campus
http://regulations.ufl.edu/wp-content/uploads/2012/09/1.0063.pdf

Online Students Complaints
http://www.distance.ufl.edu/student-complaint-process

Disclaimer: This syllabus represents the instructor's current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.