COURSE NUMBER: DIG3526C  
INSTRUCTOR: CHELSEA CANTRELL

SEMESTER/YEAR: SPRING 2019  
OFFICE LOCATION/HOURS: TBA

CREDIT HOURS: 3.0  
CONTACT EMAIL: CANVAS

CLASS LOCATION: NRG 0120  
CONTACT PHONE: (352) 294-2000

CLASS MEETING TIME(S): T 4, TR 4 – 5  
COURSE WEBSITE: elearning.ufl.edu

COURSE DESCRIPTION
This course is designed to develop advanced industry-standard practices in digital 2D animation. Within a collaborative environment, students will create a 30 second film in order to learn the production pipeline, time management, and task allocation while demonstrating advanced animation techniques.

PREREQUISITE KNOWLEDGE AND SKILLS
- DIG3313C – Principles of 2D Animation Techniques

PURPOSE OF COURSE
To introduce students to the animation as an art form; implementing a firm understanding of timing, animation principles and the scope of techniques animation can cover. The students will learn industry standard practices in applied creativity.

COURSE GOALS AND/OR OBJECTIVES: *By the end of this course, students will be able to:*
1. Employ the 12 principles of animation through various exercises and assignments
2. Demonstrate advanced character animation techniques with character acting, staging, and actions
3. Recognize workflow in production, including layout design and rigging
4. Use and expand knowledge on industry-standard software and tools

COURSE SCHEDULE:
The final exam time scheduled for this course will be announced in advance of each semester by the University of Florida Registrar’s Office at [http://www.registrar.ufl.edu/soc/](http://www.registrar.ufl.edu/soc/)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Assignments</th>
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</thead>
</table>
| 1    | Intro/ refresh Software tools  
- Overview of advanced techniques | Download all essential software and tools |
| 2    | Software interface overview  
Discuss advanced tools + locations | Assignment 1 A: Design a layout |
| 3    | Environment Design |  |
| 4 | **Character animation introduction** | Assignment 1B: Animated Environments |
| - |  - Animated cameras  
  - Creating parallaxes | |
| - |  - Puppets, paperless, and 2D character acting  
  - IK/FK rigging | |
| 5 | **Character Animation** | Assignment 1 Cont. – critique designs before submission |
| - |  - Character turns  
  - Character acting  
  - Understanding timing and appeal | |
| 6 | **Transformation Sequences** | Assignment 1 due: Critique |
| - |  - What is a transformation sequence?  
  - Animatics | Assignment 2: Run and Jump |
| 7 | **Assets** | Assignment 2 due: Critique |
| - |  - How to create assets  
  - Asset libraries  
  - Intro to turning rigs | Assignment 3: Transformation |
| 8 | **Assembling character rigs** | Assignment 3 due: Critique |
| - |  - Benefits of character rigs  
  - Complexities  
  - Replacement drawings | Assignment 4 A: Character build. Design character assets |
| 9 | **Dialogue** | Assignment 4 A due: Critique |
| - |  - Mouth shapes and mouth rigs  
  - Acting without words- pantomime | Assignment 4 B: Character build. Assemble your assets. |
| 10 | **Props** | Assignment 4 B due: critique |
| - |  - Designing props: concept art  
  - Animating props  
  - character interaction with props | Assignment 5: Dialogue |
|  |  | Assignment 5 due: Critique |
|  |  | Assignment 6: props |
### Assignment Parameters and Workflow
- Assignment parameters and workflow
- Submission guidelines
- Examples

### Final Overview
- Assignment 6 due: critique
  - Final – begin part A concept dev.

### Lighting
- Effects + shaders
- Scripts
- Plug ins

### Studio Workflow
- Asset libraries
- Production pipelines
- Positions in production

### Industry Standards
- Crafting the demo reel
- Do’s and don’ts
- Branding

### Markets and Festivals
- Festival intro
- Examples of festival worthy
- Do’s and don’ts

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### REQUIRED TEXTBOOKS AND SOFTWARE:

1. Richard Williams, *The Animator’s Survival Kit*
2. Lynda.com (FREE access to UF students)
3. Adobe After Effects CC
4. Adobe Photoshop CC
5. Adobe Illustrator CC
6. Two-Monitor setup for software instruction (ONLINE students only)

### RECOMMENDED MATERIALS:

1. Eadweard Muybridge, *The Human Figure in Motion*
2. Intuos Pen tablet (or similar)

### COURSE FEES:
Course fees are assessed for certain courses to offset the cost of materials or supply items consumed in the course of instruction. A list of approved courses and fees is published in the Schedule of Courses each semester. (UF-3.0374 Regulations of the University of Florida).

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/).

### EVALUATION OF GRADES

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Total Points</th>
<th>Percentage of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASSIGNMENTS</strong> – 6 animated assignments corresponding to the weekly demos and techniques</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td><strong>PARTICIPATION</strong> – Attendance and participation during critique and review of assignments</td>
<td>20%</td>
<td></td>
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<tr>
<td><strong>FINAL PROJECT</strong> – It is expected that in this final project, students employ the principles and techniques they have learned during the semester.</td>
<td>30%</td>
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### GRADING SCALE:

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

More information on grades and grading policies is here: https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

### COURSE POLICIES:
PARTICIPATION / ATTENDANCE
We value participation more than mere attendance. Each 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.

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/ugrad/current/regulations/info/attendance.aspx

MAKE-UP POLICY
a. At the sole discretion of the instructor, Exams may or may not be taken late. Documented Emergencies or medical situations may be the only accepted reasons for an excused absence on the day of an exam.
b. Any assignment turned in past the due date may lose up to 10% of the total point value of the assignment for each class day it is late.

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/ugrad/current/regulations/info/attendance.aspx

COURSE TECHNOLOGY
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. Students are required to access electronic forms of information, submit assignments and communicate with other students and faculty electronically. DW requires each student’s mobile computer to meet certain minimum specs for heavy graphics use, the requirements documented below must be met.

DW Computer Requirements

COURSE COMMUNICATIONS
Students can communicate directly with the Instructor regarding the course material through UF e-Learning. http://elearning.ufl.edu/

COURSE TECHNOLOGY SUPPORT:
The Technology Support Center provides computer support for Digital Worlds students who access Visimeet, lecture recordings, student equipment, facilities and other technology-based resources.
http://digitalworlds.ufl.edu/support
DIG3526C – ADVANCED 2D ANIMATION TECHNIQUES

For computer assistance related to Visimeet, 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 Computer 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 that 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 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) 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

ONLINE COURSE EVALUATIONS
Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations. Evaluations are typically open during the last two or three weeks of the semester,
but students will be given specific times when they are open. Summary results of these assessments are available to students at [evaluation results](#).

## CAMPUS RESOURCES

### HEALTH AND WELLNESS

**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/Default.aspx](http://www.counseling.ufl.edu/cwc/Default.aspx), 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, 392-1111 (or 9-1-1 for emergencies).

### ACADEMIC RESOURCES

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. [https://lss.at.ufl.edu/help.shtml](https://lss.at.ufl.edu/help.shtml).

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling.

[http://www.crc.ufl.edu/](http://www.crc.ufl.edu/)

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

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

[http://teachingcenter.ufl.edu/](http://teachingcenter.ufl.edu/)

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers.

[http://writing.ufl.edu/writing-studio/](http://writing.ufl.edu/writing-studio/)

Student Complaints Campus:


On-Line Students Complaints:

[http://www.distance.ufl.edu/student-complaint-process](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.