

**HOWARD UNIVERSITY
DEPARTMENT OF ART/DIVISION OF FINE ARTS
COLLEGE OF ARTS & SCIENCES**

**2D ANIMATION I:
Introduction to Digital Animation & Motion Graphics (3 Credits)**

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Lecturer, Electronic Studio

ARTE 083 01 (CRN 80990 UNDERGRAD)
ARTE 288 01 (CRN 85840 GRAD)

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FALL 2008
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Sites:

<http://www.soulsuite.com/Animation1and2Homepage.html>
<http://www.coas.howard.edu/art/>

Course Description

Welcome to the wonderful world of animation & motion graphics. This class will explore the art of animation, primarily that of traditional, and experimental two-dimensional animation. The course will briefly explore contemporary animation techniques and genres. This exploration will also cover basics of storyboarding, pre and post-production, and sound. The course also focuses on 2D animation software; however we will use and integrate other multimedia or imaging software. The history of animation and the influence of current technologies and trends will be introduced as well. *Note: This course is a requirement for Electronic Studio majors and minors.*

Prerequisites:

COURSE GOALS:

1. Students will learn techniques and applications for basic digital animation and production.
2. Students will create a portfolio (CD-R or DVD-R) of small video animation projects and one final digital animation project.
3. Through a series of group and individual projects, students will incorporate 2D digital animation with digital imaging/video concepts.

4. Through active learning strategies such as lessons, tutorials, and critiques, students will be able to produce basic animation and motion graphics.

5. To engage students in research and discussion of work by professional film/video makers, designers, visual artists, web artists, animators, and others who use animation and motion graphics and technologies in their work.

6. Also, for students to understand animation timing, frames, dialogue, sound synchronization, working with narratives/scripts & concepts; character development and character animation.

COURSE OBJECTIVES:

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

- Use cell and path animation techniques.
- Use animation software to create animation using motion/shape tweening & morphing
- Use sound processing software.
- Use the principles of animation in projects and lessons
- Appropriately use vocabulary of animation terms and techniques.
- Write scripts & storyboards; develop concepts and narratives for animation
- Use a variety of hardware peripherals used in computer graphics.
- Assemble an entry-level portfolio of short animation projects and examples
- Use the basic 2D, motion graphic and animation tools

Instructional Methods:

A variety of tutorials, exercises and projects will be provided using several software applications. Current information pertaining to digital animation will be included in an effort to remain abreast of trends and technology. Case studies and examples from a variety of related industries will be provided. The methods listed are to fulfill the objectives of the course. Students will engage in the research and practice of basic animation, motion graphics & production techniques; written and practical assignments that demonstrate success in application of animation techniques, creative experimentation and problem solving. You will learn by participating in a wide range of activities, including those listed below:

1. Portfolio: Based on small animation projects, lessons, exercises and a final 30-second to 1-minute final video project. A Compilation of all projects into professional DVD, CD-R and website.
2. Journal/Sketchbook for Written Assignments: Copying, taking notes; writing treatments, scripts, production schedules, etc; research, as well as screenings inside and outside of class. Drawings, sketches and other visual brainstorming and planning of projects.

3. Tutorials: Practical usage of animation software, hardware
4. Animation/Motion Graphics Exercises: Creating visual solutions solve a specific animation problem, or demonstrate animation concepts and principles.
5. Critiques: Typed critiques of projects, films/videos and class trips to see view animated films, exhibitions.
6. Class Participation & Collaboration: Collaborating with classmates to produce animation projects and for participate in the animation production process.

Required Texts:

Flash MX Design for TV and Video (Paperback), by Janet Galore, Todd Kelsey, Published by Wiley, # ISBN-10: 0764536818 # ISBN-13: 978-0764536816

Macromedia Flash 8 Revealed, Deluxe Education Edition (Revealed): Books: James E. Shuman by James E. Shuman, Course Technology, ISBN-10: 1418843091

Animation: The Mechanics of Motion, by Chris Webster, Focal Press, ISBN 0 240 51666 4.

Recommended Texts:

Animation and Effects w/Macromedia Flash MX 2004, by Jen Dehaan. Publisher: Macromedia Press, ISBN 032130344-X

The Visual Quickstart Guide to Macromedia Flash MX for Windows and Macintosh, by Katherine Ulrich, Published by Peachpit Press, ISBN 0-201-79481-0.

Beginner's Final Cut Pro: Learn to Edit Digital Video, by Michael Rubin, published by Peachpit Press, ISBN 0-321-11802-2.

Motion Graphic Design and Fine Art Animation: Principles and Practice, by Jon Krasner, Focal Press; Bk & DVD edition (June 30, 2005), ISBN: 0240804821

Grading Factors:

* Projects = 15%

* Lessons = 10 %

Critiques, Field trips to see films/exhibitions (TBA) = 5% (written)

Participation/Studio/Journal = 5%

Events (5), Art show, exhibition or other activity as approved) = 5%

Attendance = 5%

Midterm Exam = 10%

Other Practical Tests/Quizzes = 5%,

Final Exam/Critique = 10%

* Final Project = 20%

* Final Animation Portfolio DVD= 5%

** Submission to Show/Exhibition/Website (TBA) = 5%

*must be submitted in various file formats, and on videotape, DVD, CD-R, and prepared for streaming from Department of Art/Electronic Studio and class website.

** Submission to Gallery of Art Student Art show, Student Competition or other approved film/video competition, contest and/or website, by specified deadlines and/or the end of semester (SEE PROF. FOR DETAILS). **Attendance to all Art/ Department of Art/Electronic Studio related events is mandatory.**

Grading of tutorials, creative projects:

A= Excellent, scores of 90 to 100 reserved for aesthetically sound, well designed artwork that could be included in a portfolio. This is also given for adherence to the instructions for the project as well as meeting deadlines.

B= scores 80 to 89, satisfactory completion of most of the projects' instructions, a moderately successful project turned in on time.

C= 70 to 79, work was turned in on time but may be lacking some elements as dictated by the instructions.

D= 60-69, Poor work; directions not followed, or poor usage of elements and principles of animation and art, software or other design methods; criteria for assignment not met.

F= 50-59, Extremely poor work and directions not followed.

The instructor will make an effort to assist students with general principles of animation, art/design and composition. Points may be taken off for late projects. Total Possible Points for Projects: 100%, unless otherwise stated.

Requirement Materials

** A journal, or "book of notice" and a small sketchbook is required for working out ideas and for keeping notes, readings, critiques, handouts, etc. that will be given. A 3 ring binder w/dividers is recommended to keep this information.

- ** USB Flash (or Jump) Drive. This should be a 250 MB or larger USB Jump Drive. This will replace the usage of zip disks, and will allow you to go from MAC to PC and from computer to computer.

- A pack of about 5-10 (or more) blank CD ROMs (CD-R) for submitting files.

- Access to a computer, printer and the internet (for some class assignments, email and critiques) and A DVD-R recordable disk for saving files for submission of final completed projects/portfolio at the end of the course.

- Art supplies for storyboards (such as black illustration boards, pencils, pens, colored pencils, etc.)

- (Recommended) An external Firewire drive such as the Lacie 20 or 40 GB Firewire & USB-2 Pocket-Drive - 4.2K or another portable Firewire and USB Drive, or another external high-speed hard drive.

**** These MUST be brought to class each day.**

Graduate Students (only):

Grad students will be required to meet at least 4 times throughout the semester with Instructor (usually after class) for discussion of research, thesis, and readings.

During this time the instructor and students will look for ways to incorporate effective animation/motion graphics skills into thesis research and/or exhibition. All graduate students must complete all projects relating to proposals, treatments, scripts, storyboard, animatic, character/background study (preproduction) and a minimum of two (2) animated projects as specified on this syllabus, unless discussed and approved by Instructor.

By Midterm, all graduate students should have begun to create a 10-15 minute proposal and class presentation. This project should include 1) an abstract or synopsis of graduate research (as available), an artist statement/bio, links to research, etc.

You may choose to create an animated project that relates to and addresses an

issue that you propose, or issues related to a topic around the art, technology, design, new media, digital art, contemporary art, theory, criticism and/or culture.

This proposal must be typed w/a cover page, bibliography, sources and visual examples and should be posted on a blog and/or website for public view (if available, or create one related to thesis/research). Include additional info such as a sketches, storyboards, references, articles/readings and must outline one final project to be completed outside of the assignments and presented to the class at the end of the semester. All graduate students will be responsible in presenting the proposal and animated project/research (including all of the information above) before the last class meeting.

Classroom/Studio Policies

No food, candy, gum, drink, etc., hats or cel phones are allowed in the computer graphics lab or during class/studio time. Also, during class and studio time, there is no "surfing the net", checking email or using unauthorized software. Class assignments and/or projects and lesson(s) will be due the following based on the required deadlines, unless otherwise stated.

Attendance

Attendance will be factored into your overall grade. Please see university's policy) as **poor attendance, leaving early/unexcused tardiness to class can lower your overall grade and/or be grounds for failure; the lack of attendance and failure to submit all projects and lessons will result in a lowered grade and student will be in jeopardy of failing this course.**

Snow/Inclement weather: Class does not automatically close when the public schools close. School closings are announced on TV channels 4, 5, 8, and 9 and radio stations, WAL, WPGC, WPFW, WOL, WRC, WTOP, WMAL, WHUR, & WKYS. Also check the web for internet news organizations that list local school closings.

Class Participation

I assign frequent and unannounced classwork to guide group activities, monitor students' learning, obtain feedback on my teaching, and reward thoughtful and consistent class participation. Therefore, since students cannot make up exams or classwork (see below), students who are absent or tardy will miss not only valuable instruction but also credit.

Events

Attendance at four (4) **Department of Art/Electronic Studio** related activities and events. Students will choose activities from **Department of Art/Electronic Studio**, music and theater experiences, and approval from Instructor. Some will be required and off campus at a movie theatre (film), gallery. Museum and/or artist talk. Some events will be on campus as well. A minimum of 3 off-campus events is required. Typed Critiques/Reviews are to be submitted after each event. Failure to meet this requirement will deduct from your final grade.

Extra Credit

I will offer extra credit only during the term and only to the class as a whole (especially through extended or more advanced projects and animation/graphic design or film/video competitions). Therefore, you cannot improve your grades at the last minute by requesting additional work. Also, if you earn a borderline course average (i.e., 59, 69, 79, 89), you will not receive an additional point to capture the higher grade—unless you earn that grade (or higher) on your final portfolio.

Example: If a student with a 79 course average earns a “B” or better on the final project/portfolio, that student will qualify for a “B” on the final grade report. Please note, though, that this policy applies only to course averages ending with “9.”

Incomplete Grades and Withdrawals

A grade of Incomplete (I) is given only if an emergency prevents you from submitting the final portfolio. Such an emergency must be documented (a written note from a doctor) by your dean or advisor. However, if you wish to withdraw from the course, please see me before the Registrar’s deadline.

Lateness

I cannot accept late journal entries, projects or homework. However, if you cannot submit the work on time because of an emergency, you should submit a memo in which you document the emergency and ask to be excused from the assignment. (For instance, submit a doctor’s note with your memo.) If you experience computer-related problems, you should request a note from a technical assistant and/or you must IMMEDIATELY send an e-mail to: tmelchishua@hotmail.com to document your problem and bring in a hard-copy of this information within one (1) day of the absence, or return to class.

Missed Exams, Crits or Classwork

There will be no make-up quizzes, projects or make-up classwork. However, if you miss a crit or other classwork because of a documented and acceptable emergency, you should submit a documented excuse as explained above.

Academic Integrity

Please read the “Academic Code of Conduct,” which is published in the Student Handbook or Directory of Classes. If you are suspected of cheating, you must submit your sources and/or make up the assignment in my office. If you are caught cheating, you will receive a “0” for the assignment. To support a community committed to academic achievement and scholarship, the University advances the principle of honest representation in the work that is produced by students seeking to engage fully in the learning process. Be original and honest and use/create (100%) YOUR OWN digital-based classwork.

This includes avoiding copyright/trademark infringement, illegally using, scanning or downloading images, music, software or using images, words, videos, prerecorded music etc. that do not belong to you, or were not created by you. Obey the laws in terms of intellectual property and respect copyright and even if you are not sure if author/work has a copyright. **IF YOU’RE NOT SURE ...YOU CAN’T USE IT!**

American Disabilities Act (ADA)

In accordance with the ADA policy, students who need accommodations because of a disability should contact the Disability Support Services Office immediately, and as soon as possible after admission to the University or at the beginning of each semester.

If you need a special accommodation required by the American Disabilities Act, please document and discuss your disability with me during the FIRST TWO WEEKS of classes. Any student with a documented disability (including learning disabilities) that the student feels may affect classroom performance should discuss the matter privately with the instructor at the beginning of the semester so that reasonable accommodations can be made.

It is also recommended that the student make contact with the appropriate office for Academic/Student Services for additional assistance with classes and campus activities.

Production Time & Lessons

Production time is considered to be done both outside of our normal class schedule, and when possible during class times. Students will be encouraged to brainstorm and generate the creative spark that problem-solving possible for artistic endeavors using digital media. Active learning strategies include extensive use of lessons, tutorials, and on-line help, exercises and other companion materials.

Please complete the tutorials and lessons and practice as much as you possibly can outside of the class time. These are critical to your success on the projects. Please be advised that animation and motion graphics can be a time consuming process and it is expected that you spend a minimum of 1-3 hours per week/project. You will need to manage your time and find additional time to work in the lab on projects. Plan ahead in terms of your projects, lessons and especially your final project.

Labs and Equipment

A student must be a registered member of a computer graphics or advertising class in order to use the Computer Graphics lab at non-class times. A valid Howard University ID (with Electronic Studio sticker) must be shown at all times to enter and use labs. For the use of video and/or computer equipment you must leave a valid HU ID, drivers' license and complete a checkout and request form.

All digital cameras, cables, and other equipment can only be checked out by your Instructor and for a 3-hour maximum period per day, unless otherwise stated. All equipment must be returned and checked by an Instructor. You will need to supply a student ID, and a Driver's License to borrow equipment. Late fees will be assessed for \$5.00 per day, and you will be charged the full price of the replacement of any equipment that is either unreturned, damaged, missing equipment (this includes cables, charges, cords, manuals, cords, etc.)

PLEASE NOTE

Special equipment, project needs, printing/mounting, exporting various file formats is the student's responsibility. Lost, unsaved or damaged files are no excuse to complete and submit assignments on time. Backing up of coursework is the students' responsibility. Students must back up all files including lessons to additional storage medium (i.e. the computer, CD-R, or DVD-R). Test your files before submitting for grade and **BACK THEM UP!** Be sure to print two copies, one for you portfolio and one for submission for a grade. Back up keep all work files (example: YourName_Projectname.psd) until you have turned in the project and received a grade.

Note: *Instructor withholds the right to substitute projects, alter/delete projects, or introduce alternative/special projects for the overall improvement of the learning experience. Students shall be given this information in advance and in writing.*

Important Dates

- August 1, 2008, Friday First deferred payment due for Fall 2008
- August 16, Saturday Residence Halls open for check-in of new residents
August 16, Saturday to
- August 19, Tuesday Payment of tuition/fees for new students, transfer and Former Students
Returning (FSR).
- August 18, Monday to
August 20, Wednesday Orientation, Academic Advisement, Course Selection
for new students, transfers and Former Students Returning (FSR).
- August 21, Thursday Residence Halls open for continuing students
- August 21, Thursday to
- August 29, Friday LATE REGISTRATION for all students
- August 25, Monday FORMAL CLASSES BEGIN
- August 25, Monday Initial Financial Aid disbursement for Fall 2008 (undergraduate and
graduate students). NOTE: Student Financial Services will begin check processing in 7 to 10
days following the disbursement of Financial Aid.
- August 25, Monday to
August 29, Friday CHANGE OF PROGRAM PERIOD
(Add or drop a course without a grade of "W," change from one section to another, change from
credit to audit or audit to credit)
- August 25, Monday to
September 5, Friday Consortium Registration
- August 30, Saturday COURSE WITHDRAWAL FEE EFFECTIVE*
- August 31, Sunday Deadline for 100% refund of tuition/fees*
- September 1, Monday LABOR DAY - LEGAL HOLIDAY
- September 1, Monday Deadline for receipt of Application for Admission for Spring 2009*
- September 12, Friday Deadline for receipt of SU 2008 Graduation Recommendations in Office
of the Secretary of the University - 5:00 P.M.
- September 15, Monday Financial Aid files closed for determination of credit hours for Fall 2008
aid disbursements

September 26, Friday OPENING CONVOCATION
Cramton Auditorium, 11:00 A.M. (Classes suspended 10:00 A.M. - 1:00 P.M.)

September 29, Monday Deadline for students checking out of Residence Halls to receive 50% refund of housing charges

October 3, Friday Preliminary Enrollment Census Date

October 3, Friday Deadline for 50% refund of tuition/fees

October 13, Monday COLUMBUS DAY OBSERVED - LEGAL HOLIDAY

October 13, Monday Deadline for prospective May 2009 graduates to submit application for graduation to respective deans*

October 19, Sunday Deadline for students checking out of Residence Halls to receive 25% refund of housing charges*

October 21, Tuesday Deadline for instructors to submit Mid-Term Status Reports via the web to Enrollment Management/Records

October 21, Tuesday Deadline for faculty to submit Unofficial Withdrawal (UW) and Never Reported (NR) grades via the Web to Enrollment Management/Records for Fall 2008

October 23, Thursday Final Enrollment Census Date

October 23, Thursday Deadline for 25% refund of tuition/fees (Last day for refunds)

October 28, Tuesday Second deferred payment due for Fall 2008

November 1, Saturday Deadline for receipt of approved applications for Intra-University Transfers for Spring 2009 in Enrollment Management/Records*

November 1, Saturday Early Action deadline for receipt of Applications for Admission for Fall 2009*

November 1, Saturday Senior Comprehensive Examination in major fields for College of Arts and Sciences prospective December 2008 and May and Summer 2009 graduates

November 3, Monday to
November 14, Friday GENERAL REGISTRATION (GR) for Spring 2009

November 11, Tuesday VETERAN'S DAY - LEGAL HOLIDAY

November 14, Friday LAST DAY TO WITHDRAW FROM A COURSE

November 14, Friday LAST DAY TO COMPLETE A TOTAL WITHDRAWAL FROM THE UNIVERSITY

November 27, Thursday to
November 30, Sunday THANKSGIVING RECESS

December 2, Tuesday to
December 3, Wednesday FINAL EXAMINATIONS FOR PROSPECTIVE DECEMBER 2008 GRADUATES

December 4, Thursday DEADLINE FOR INSTRUCTORS TO SUBMIT FINAL GRADES FOR

PROSPECTIVE DECEMBER 2008 GRADUATES - 3:00 P.M.

December 4, Thursday Deadline for students to clear Spring 2008 incomplete grades with instructors

December 4, Thursday FORMAL CLASSES END

December 5, Friday to
December 7, Sunday READING PERIOD
December 8, Monday to

December 9, Tuesday DEPARTMENTAL EXAMINATIONS
(Deadline for instructors to submit final grades via the web is 5 calendar days after the scheduled final examination)

December 10, Wednesday to
December 17, Wednesday FINAL EXAMINATIONS
(Deadline for instructors to submit final grades via the web is 5 calendar days after the scheduled final examination)

December 15, Monday First deferred payment due for Spring 2009

December 17, Wednesday FIRST SEMESTER ENDS

December 17, Wednesday Deadline for academic deans to submit Special Grade Reports to Enrollment Management/Records for removal of incomplete grades for Spring 2008

December 18, Thursday Residence Halls close at 5:00 P.M.

2D Digital Animation I Fall 2008 Course Outline

Module 1: Introductions, Overview of Course & Animation

- I. Introduction to Animation (2D & Digital); Flash Interface
- II. Introduction to Flash Basics

Module 2: Developing Concepts, Scripts & Treatments for Animation

- III. Pitching a Project, Developing Scripts for animation; Screenplay Format
- IV. Creating Storyboards & Animatics

Module 3: The Principles of Animation

- V. Animation Principles; Squash & Stretch, Recoil
- VI. Hesitation, Acceleration, Interpolation & Other Concepts

Module 4: The Flash Interface

- VII. The Flash Interface, Timeline & Stage; Graphics & Layers
- VIII. Drawing for Animation; Symbols in Flash;
- IX. Scenes in Flash & The Property Inspector
- X. Tweening in Flash

Module 5: Images & Sound/Audio for Animation

- XI. Animation basics; Importing Images
- XII. Sound, Music & Digital Audio

Module 6: Introductions to Motion Graphics, Special Effects & DVD's

- XIII. Motion Graphics, Titles & Transitions
- XIV. Creating DVD's, Basic authoring for DVD
- XV. Special Effects & Advanced Techniques; Exporting formats

Module 7: Production & Publishing the Final Animation

- XVI. Finishing & Publishing: FINAL ANIMATION PRODUCTION TIME.
- XVII. FINAL SCREENING/CRIT

PROJECTS/ASSIGNMENTS	DUE DATES
PR 1: INTRO ACTIVITY: Bison Character Study (run cycle)	11/21/08
PR 2: 1 Typed Proposal & 3 Pitches (1-2 Pages)	9/5/08
PR 2A: Treatment (TYPED)	9/12/08
PR 2B: 1st Draft Of Script (TYPED) & Sketches	9/19/08
PR 2C: 2 nd Draft of Script, Rough Storyboards	10/3/08
PR 3: Animatic/Pencil Test (one scene) 15-30 seconds	10/17/08
MIDTERM EXAM/CRIT/REVIEW –Projects 1-3; lessons due	10/17/08
PR 4: Final Production Storyboards (color/mounted/labeled)	10/24/08
PR 5: Character Study & Backgrounds (Printed/Mounted)	10/31/08
PR 6: Final Script & Prod. Schedule (in a production binder)	11/7/08
PR 7: Typography Animation project (music/sound) 10sec.	12/2/08
Final Animated Project: Commercial, PSA, ad/spot (30 seconds to 1 minute) Final must demonstrate two (2) animation principles from book/class final lesson(s), DVD and journal also due.	* 12/5/08 for 2008 Grads 12/12/08
Final Critique Class Screening & Exam	* 12/5/08 for 2008 Grads 12/12/08

* Prospective graduates, exams and projects due

Module 1: Introductions, Overview of Course & Animation

- I. Introduction to Animation (2D & Digital); Flash Interface
- II. Introduction to Flash Basics

Time to Completion: 3 weeks

At a Glance: Take the time to go through the course description, required text and materials and complete the ELECTRONIC STUDIO student survey.

Learning Objectives:

At the completion of this unit, you will:

- Review the syllabus
- Review and be able to identify the basic principles of animation
- Complete an introductory animation project/lesson (HU Bison animation sequence)
- Discuss and define animation
- Learn the basic tools, menus and interface in Flash
- Divide into groups to create a proposal, treatment and sketches for the final animation project: a 30 second, animated Commercial, PSA or ad/spot

Assigned Readings:

- 2D ANIMATION I syllabus, course expectations, required materials, texts, etc.
- *ANIMATION: THE MECHANICS OF MOTION; Chapter 1. pp. 3-35*
- *FLASH 8 REVEALED Introduction and Chapter 1-4*
- *FLASH MX DESIGN FOR TV AND VIDEO Chap 1.*

Exercises & Activities:

- **ACTIVE LEARNING 1:**
- *FLASH 8 REVEALED, Chap. 1-4.* Complete LESSONS & SKILLS REVIEW.
- Begin sketches for **Project 1 The Animated Bison Production (15 seconds).**
- **Project 2: Proposals, Sketches, Treatments for Final** Get into groups and type up a proposal (3 different concepts) and develop into a treatment.
- Complete Student Survey.

Assigned Writing:

- Journal writing on ideas for Intro Activity (Proj 1) Bison Animation
- Brainstorm with group for final animation
- Proposal (& Sketches) for final

For Further Study:

www.writingtreatments.com
<http://www.scriptbuddy.com>

Module 2: Developing Concepts, Scripts & Treatments for Animation

III. Pitching a Project, Developing Scripts for animation; Screenplay Format

IV. Creating Storyboards & Animatics

Time to Completion: 3 weeks

At a Glance: Develop scripts based on screenplay format; Create storyboard and animatic for final video.

Learning Objectives:

At the completion of this unit, you will:

- Learn how to develop a screenplay and use the screenplay format, cinematic terms and concepts
- Continue study of basic principles of animation
- Learn how to storyboard and create an animatic for final
- Continue (HU Bison animation sequence)
- Discuss and define animation
- Learn the basic tools, menus and interface in Flash
- Divide into groups to create script, storyboard and animatic for an animated Commercial, PSA or ad/spot
- Submit Treatment

Assigned Readings:

- *HANDOUTS ON TREATMENTS/SCREENWRITING*
- *ANIMATION: THE MECHANICS OF MOTION; Chapter 1. pp.35-66; Chapter 2, pp. 69-103 and Chapter 5; pp. 131-141 (Look at examples/references on CD-ROM)*
- *FLASH 8 REVEALED Chapters/lessons 1-5*
- *FLASH MX DESIGN FOR TV AND VIDEO Chaps. 2,3 & 5*

Exercises & Activities:

- **ACTIVE LEARNING 2:** *FLASH 8 REVEALED, Chap. 5, 7-8. Complete LESSONS & SKILLS REVIEW.*
- Begin/Continue **Project 1 The Animated Bison/Title Sequence & Production (15 seconds).**
- **Project 2A: Treatments for Final**

Assigned Writing:

- Treatment

For Further Study:

Storyboarding, developing "visual stories":

http://education.apple.com/education/ilife/howto/imovie_tips.

For a great site and examples of treatments please visit:

<http://www.writingtreatments.com>

For treatments/scripts:

<http://simplyscripts.com/treatments.html>

Using the online script writing software Scriptbuddy. You will need to register join and sign-in for the free version Scriptbuddy 4.0.

<http://scriptbuddy.com>

The following sites have examples of treatments & scripts in the correct format, which may vary from site to site but the essence of the script format is still the same:

<http://scriptcrawler.net>

<http://simplyscripts.com>

http://moviepage.com/movie_scripts.htm

http://education.apple.com/education/ilife/howto/imovie_tips

<http://www.writingtreatments.com> and look at treatments/scripts.

<http://simplyscripts.com/treatments.html>.

You can also use Windows based computer to use Scriptmaker (it is not free, but shareware) go to:

<http://www3.sympatico.ca/mbelli/sm.htm> and use the script format template.

Download to a jump drive and reopen/use w/Microsoft Word on an IBM computer, BUT I will still need a PDF/WORD version (saved to a disk and readable on a MAC).

Module 3: The Principles of Animation

V. Animation Principles; Squash & Stretch, Recoil

VI. Hesitation, Acceleration, Interpolation & Other Concepts

Time to Completion: 2 weeks

At a Glance: Practice using Flash to apply principles of animation. Learn frame-by-frame vs. tween animation.

Learning Objectives:

At the completion of this unit, you will:

- Learn how to develop use symbols, the property inspector and keyframes
- Continue study of basic principles of animation
- Learn how to animate both through frame-by-frame vs. tween animation.
- Continue (HU Bison animation sequence)
- Learn the basic tools, menus and interface in Flash
- Submit 1st Draft of script.

Assigned Readings:

- *HANDOUTS ON TREATMENTS/SCREENWRITING*
- *ANIMATION: THE MECHANICS OF MOTION; Chapter 3.*
(Look at examples/references on CD-ROM)
- *FLASH 8 REVEALED Chapter 6*
- *FLASH MX DESIGN FOR TV AND VIDEO Chaps. 7-8*

Exercises & Activities:

- **ACTIVE LEARNING 3:** *FLASH 8 REVEALED, Chap. 6.* Complete LESSONS & SKILLS REVIEW.
- Continue **Project 1 The Animated Bison Title Sequence & Production (15 seconds).**
- **Project 2B: 1st Draft Script (TYPED in screenplay format) with refined sketches (Treatment must be submitted BEFORE script).**

Assigned Writing:

- 1st Draft Script

For Further Study: Search for sites on “principles of animation”

Module 4: The Flash Interface

VII. The Flash Interface, Timeline & Stage; Graphics & Layers

VIII. Drawing for Animation; Symbols in Flash;

IX. Scenes in Flash & The Property Inspector

X. Tweening in Flash

Time to Completion: 2 weeks

At a Glance: Practice using flash for animation and properties and interpolation.

Learning Objectives:

At the completion of this unit, you will:

- Learn how to develop draw and import images into flash; use the timeline, layers and scenes
- Learn character design and create sets/backgrounds
- Continue study of basic principles of animation
- Continue (HU Bison animation sequence)
- Learn the basic tools, menus and interface in Flash
- Submit 1st Draft of script.

Assigned Readings:

- *HANDOUTS ON TREATMENTS/SCREENWRITING*
- *ANIMATION: THE MECHANICS OF MOTION; Chapter 6. Chapter 7 pp. 223-236 (Look at examples/references on Layout/Backgrounds/Production Notebook)*
- *FLASH MX DESIGN FOR TV AND VIDEO Chaps. 9-11*

Exercises & Activities:

- **ACTIVE LEARNING 4:**
- Continue **Project 1 The Animated Bison/Title Sequence & Production (15 seconds).**
- **Project 2C: 2nd Draft Script & Rough Storyboards (TYPED in screenplay format)**
- **Project 3: Animatic/Pencil Test**

Assigned Writing: 2nd Draft Script; Production Schedule (All typed in binder)

Module 5: Images & Sound/Audio for Animation

XI. Animation basics; Importing Images

XII. Sound, Music & Digital Audio

Time to Completion: 3 weeks

At a Glance: Audio, sound in flash submission of production materials (script, animatic and storyboards). **MIDTERM EXAMINATION/REVIEW.**

Learning Objectives:

At the completion of this unit, you will:

- Learn how to create/edit audio for Flash and final animation
- Continue study of basic principles of animation
- Working with various digital audio file formats

- Continue (HU Bison animation sequence)
- Review//Study and take Midterm Exam
- Submit all Active Learning/Lessons
- Submit Character Design & Backgrounds (due by Midterm)

Assigned Readings:

- *ANIMATION: THE MECHANICS OF MOTION; Chapter 5 & 6. (Look at examples/references on CD-ROM); Chapter 7 pp. 223-236*
- *FLASH MX DESIGN FOR TV AND VIDEO Chap 6.*

Exercises & Activities:

ACTIVE LEARNING 5:

- *FLASH 8 REVEALED, Chap. 10-11. Complete LESSONS & SKILLS REVIEW.*
- Continue **Project 1 The Animated Bison Title Sequence & Production (15 seconds).**
- **Project 4 Final Production Storyboards** (color/mounted/labeled)
- **Project 5 Character Study & Backgrounds** (Printed/Mounted)
- Study/Review for Midterm Exam/Review
- **Project 6 Final Script & Production Materials** (in Binder/Portfolio)

Assigned Writing: Project 6 Final Script & Production Materials

Module 6: Introductions to Motion Graphics, Special Effects & DVD's
 XIII. Motion Graphics, Titles & Transitions
 XIV. Creating DVD's, Basic authoring for DVD
 XV. Special Effects & Advanced Techniques; exporting formats

Time to Completion: 3.5 weeks

At a Glance: Creating titles, motion graphics and credits for final commercial; how to create DVD's and exporting movies from Flash. An introduction to After Effects, Motion and Final Cut.

Learning Objectives:

At the completion of this unit, you will:

- Learn how to create titles, motion graphics for commercial
- Continue study of basic principles of animation
- Working with various digital video (for web/DVD) file formats
- Continue (HU Bison animation sequence)

- Complete and submit soundtrack for final
- Create an opening title sequence and closing credit sequence in Flash, and/or After Effects or Motion.
- Submit Soundtrack

Assigned Readings:

- *HANDOUTS ON AFTER EFFECTS/MOTION*
- *ANIMATION: THE MECHANICS OF MOTION; Chapter 5 & 6.*
(Look at examples/references on CD-ROM)
- *FLASH MX DESIGN FOR TV AND VIDEO Chaps. 12-15*

ACTIVE LEARNING 6:

FLASH 8 REVEALED, Chapter 12. Complete LESSONS & SKILLS REVIEW.

Exercises & Activities:

- Continue **Project 1 The Animated Bison/Title Sequence & Production (15 seconds) rough version due**
- **Project 7 Soundtrack**
- **Project 8 Animated Opening Title Sequence and Closing Credits for final**

Module 7: Production & Publishing the Final Animation

XVI. Finishing & Publishing: FINAL ANIMATION PRODUCTION TIME.

XVII. FINAL SCREENING/CRIT

Time to Completion: 2.5 weeks

At a Glance: Final Production time. Final Class screenings. Please follow final project criteria.

Learning Objectives:

At the completion of this unit, you will:

- Complete Project 1 Bison animation
- Complete Final Project (Commercial, PSA or ad/spot)
- Export various file formats
- Prepare a final flash or web based portfolio w/all projects
- Present final animation for class critique and as final examination
- Complete final evaluation/assessment
- Complete course evaluation

- Submit DVD of all work

Assigned Readings:

- *HANDOUTS ON AFTER EFFECTS/MOTION*
- *ANIMATION: THE MECHANICS OF MOTION; Chapter 5 & 6.*
(Look at examples/references on CD-ROM)
- *FLASH MX DESIGN FOR TV AND VIDEO Chaps. 16; Appendixes A-E*

Exercises & Activities: Final Project/lessons/DVD.

DEC 5 & 12: Final Project/Exam & Critiques

DEC 17: END OF SEMESTER

**** There may be changes to the course content throughout the semester as determined by the instructor for the improvement of the learning experience. ****

Directions for the Final Project:

This must be TIGHT before you begin production and expect to make some changes and rewrites. The final animation must be a minimum of 30 seconds w/sound, and based on your script, treatments, storyboards and animatic. These **MUST BE BASED** on the concept given to you in class. You also must work in a group of at least 2-3 people, each designating and keeping a log of duties, contributions, etc. No “one-person-does –all –the work” projects!

I. Your “original” concept or story idea and must be animated with Flash and/or After Effects or combination. 80% of it must be actually be frame-by-frame animation/motion graphics...NO SLIDE SHOWS!

II. The music and images must be copyright or royalty free. **NO PRE-RECORDED MUSIC FROM CD’S OF ANY KIND, USE SOUNDTRACK OR GARAGEBAND.**

III. You must also use at least two animation principles (refer to book) in final animation, even if it is on the opening credits or in the actual production. You will submit an early "rough version" or rough edit before the end of the semester as a progress report and for feedback from me.

IV. The final animation must be submitted via the following: (1) DVD-ROM or CD-ROM w/multiple formats, a JPEG still, and on this you must include a web or streamable version that is compressed to show via the web.

V. You will need to back up all media to your external drive and should also retain copies and digital quality. Extra credit will be given to projects that use

advanced effects in After Effects or for highly developed and visually innovative animated productions.

Possible Extra Credit Ideas (Note: These will not substitute for projects, lessons or final)

1) Animated Work of Art. Select a well-known African American, Latino/Hispanic, or American visual artist (must be a traditional artist: sculptor, painter, photographer, etc.). Choose someone that is a well-known and/or documented visual artist. Then choose 1-3 works of art by that person that is interesting to you. The artworks must have the potential to be animated then, create an “animated work of art” animating the different parts of the artwork, or figure(s), colors, lines, shapes, subjects, etc. This animation should also include text, like the title, or name of the artist as part of the animation. You must also include royalty-free audio (music, sound effects, etc.)

2) Rotoscope and Animate a Video/Film. Complete tutorials and lessons in Final Cut Pro or After Effects first! Find a video clip from a film, about 1-3 minutes, and digitize the video clip into Final Cut/After Effects, and save a QuickTime movie. Edit the clip, cutting out unwanted frames, and export as individual frames, or image files and import into Photoshop or Painter for editing.

Choose a filter, or effect on one subject, and a simple movement or action (a walk, a gesture, or dance, dialogue, etc.). Then export into I Movie, or Final Cut Pro, or After Effects and create an animated rotoscoped QuickTime clip. Refer to the film *Waking Life*, *Scanner Darkly* or the *Res Shorts* DVD.

3) Community Based Animation Project or animation. Discuss ideas and submit a proposal for this. It will be due along with your final project at the end of the semester. This should be a completely separate project that you will choose that either takes a local business, organization, issue, and using Flash or After Effects, you create an animation for it. Or you may decide to create more of a commercial advertisement.

This final work can be submitted to the annual student art show, or to: the university’s television station; animation, film/video competition, website for additional points.

The minimum length is 45-60 seconds (with audio) and it should be delivered as a final streamable (web) version. Think and plan ahead also you may choose to complete an animation that serves both as the Final and Community-based animation combined, but this will still need to be at least one minute in length. See final project description and details. You will receive credit for each.

4) Choose a social, cultural or historical issue and create a narrative around it to be animated. Search the newspapers, books or talk to people to see what issue could work as an animated short. Maybe you can address an issue sort of public service announcement, or “mini-infomercial”. Perhaps animate a poem dramatic or comedic skit.

Helpful Websites:

<http://www.soulsuite.com/Links.html>

<http://www.webopedia.com/TERM/g/graphics.html>

<http://www.adobe.com>

<http://www.macromedia.com>

<http://www.flashkit.com>

The following sites are on the animation principles of 1) Squash & Stretch and Recoil and 2) Anticipation/Follow Through:

<http://www.tonywhite.net/desk.htm>

<http://animation.about.com/library/weekly/aa021100a.htm>

http://www.siggraph.org/education/materials/HyperGraph/animation/character_animation/principles/squash_and_stretch.htm

<http://home.comcast.net/~harrymott/principles2-1.html>

<http://www.evl.uic.edu/ralph/508S99/squash.html>

<http://www.awn.com/tooninstitute/lessonplan/bounce2.htm>

http://www.billysalisbury.com/tutorials_principles.htm

<http://www.indiana.edu/~vdim/Animat/5Tips/tip2.htm>

<http://cade.scope.edu/courseware/notes/animation/principle.html>

More websites related to Animation, Effects, Digital Cinema, Film/Video Production, etc:

<http://www.aardman.com/>

<http://www.vinton.com/>

<http://www.urbanentertainment.com>

<http://www.awn.com/index.php3>

<http://hotwired.lycos.com/animation/>

<http://www.nfb.ca/animation/html/en/index.html>

<http://www.asifa.org/animate/chapters.htm>

<http://www.icommag.com/directory-animation-efx.html>

<http://www.animationartist.com>

<http://web.inter.nl.net/users/anima/chronoph/muybridge/links/index.htm>

<http://www.womeninanimation.org/>

<http://stopmotionanimation.com/>

<http://www.gogardner.com/>

<http://members.aol.com/stopmotion/webpage.htm>

<http://www.ilm.com>

<http://www.animwatch.com/Feature05-MORE.shtml>

<http://www.ifilm.com/?sctn=main&pg=shortfilms>

<http://atomfilms.shockwave.com/af/home/>

2D ANIMATION I
NAME:

SEMESTER:
STUDENT ID:

STUDENT PROJECT AND PARTICIPATION SHEET: Use the following to record your grades, points, and comments as necessary. Also keep track of the project descriptions, and take notes for any special grading factors/criteria, dates and possible deadlines. Use points/percentages and add up as you receive grades. Refer to your course syllabus for the grading factors, attendance policy and percentages. All projects must be submitted with proper name such as ex. *Project YOURNAME*, and saved to your storage medium first. Please ask first and be sure your files/work is received. You must keep a copy of all assignments until the end of the semester. Instructor will withhold the right to refuse to accept any late work unless you receive instructions or directions. You are expected to maintain a professional portfolio & presentation of all work.

GRADING RUBRIC:

Time: Project was submitted on time and by the deadline: 20 pts.
Technique: successful execution of concept; elements/principles of art: 20 pts.
Creativity: original idea (s), problem solving, development of sketches; ideas: 20 pts.
Complete: Project is completed, finished as assigned; all criteria met: 20 pts.
Presentation: Project submitted in correct file formats; mounted/printed/CD/DVD: 20 pts.
 neatness as well overall presentation for critique & grading.

PROJECTS = 15%:

Project Points Earned	GRADE	Comments/Critique Feedback	Due Date
1. Intro Act	_____	_____	_____
2.	_____	_____	_____
2A	_____	_____	_____
2B.	_____	_____	_____
2C	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
FINAL	_____	_____	_____
FINAL CRIT	_____	_____	_____

ACTIVE LEARNING/LESSONS = 10% MIDTERM = _____ FINAL = _____
CRITS = 5% CRIT 1: _____ CRIT 2: _____ CRIT 3: _____ CRIT 4: _____ FILM CRIT: _____

PARTICIPATION = 10 % Studio time, readings, journal, class critiques & discussions:
 MIDTERM = _____ EVENT(7): _____ FINAL = _____

ATTENDANCE= 5% MIDTERM = _____ FINAL = _____
 - # OF LATE: _____ - # OF LATE: _____
 - # OF ABSENCES: _____ - # OF ABSENCES: _____

MIDTERM EXAM = 10 %: MIDTERM EXAM = _____
QUIZZES OTHER EXAMS = 5% MIDTERM = _____ FINAL = _____
FINAL EXAM CRIT = 10% Y/N
FINAL CD-R OR DVD & PORTFOLIO =5% DVD: Y/N MiniDV: Y/N
JPEG: Y/N VARIOUS FORMATS: Y/N PROJECTS: Y/N

FINAL PROJECT = 20 % FINAL = _____
SUBMISSION TO SHOW/EXHIBITION OR OTHER = 5%: Y/N
TOTAL MIDTERM = _____ TOTAL FINAL = _____

Electronic Studio Student Survey
PLEASE PRINT LEGIBLY!! Return to Instructor

Date: This Course Title:.....

Course Number: Section:

Student ID:

Your Name: Semester:

Address (local, campus):.....

Address 2:

City: State: Zip:

Email: Emergency Contact & #:

Emergency Contact/Cel Phone #:

Phone #: Additional Phone/Cel.....

Your status (senior, junior, etc.): Expected graduation date/year:

Your Major: Minor.....

Your Advisor: Department:.....

Ph: School:

I have taken these prerequisite(s) and/or related courses:

.....
Describe your learning style (the way you learn, ex. Lecture, hand-on, etc.)
.....

Describe any experience using computers & software:

.....
.....
.....

Reasons for taking this class and your overall expectations, goals or objectives:

.....
.....

Other Activities, interests, hobbies, campus or community activities:

.....
.....

Please write a brief biographical statement:

.....
.....

I have read the syllabus for this course, course requirements; as well as grading factors, computer lab and attendance policy and agree to the terms set therein:

NAME (SIGNATURE)
