

COURSE SYLLABUS

Course Title: *3d Animation*

Course Number: MAA 228

Course Description:

Students are introduced to basic 3D animation techniques. Topics to be covered include hierarchical linking, keyframing, function curves, animated modifiers, basic morphing, animated cameras, and an introduction to character animation.

Prerequisite(s): *3D Modeling*

Corequisite(s): N/A

Instructional Contact Hours/Credits:

Class Meetings:	Mondays & Wednesdays
Session/Year:	Fall 2014
Instructor Name:	Allen Tieri
Email Address:	atieri@aii.edu
Instructor Availability Outside of Class:	upon request
Course Length:	11 Weeks
Contact Hours:	66 Hours
Lecture:	33 Hours
Lab:	33 Hours
Credit Values:	4.0 Credits

Quarter Credit Hour Definition

A quarter credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

- (1) One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for 10-12 weeks, or the equivalent amount of work over a different amount of time; or
- (2) At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Learning Objectives:

Upon successful completion of the course, the student should be able to:

Apply traditional animation concepts and techniques within a 3D environment

- Use storyboard techniques to plan animation

- Integrate traditional animation concepts into 3D animation as they apply to character performance

Apply real world observations to animation

- Observe and re-create the motion of organic and inorganic subject matter
- Apply reference material to animation

Create 3D animation

- Use the animation tools in a 3D software package
- Depict emotion and characterization through the utilization of effective animation techniques
- Stage an animation with objects and characters that are appropriate in scale

Apply storyboard techniques

- Employ staging and composition

Produce appropriate audio effects and transitions in computer animation

- Examine sound and apply to animation

Instructional Materials and References

Textbook(s): *Digital Character Animation 3 (No. 3)*. George Maestri. Publisher: New Riders Press; Updated edition, ISBN-10: 0321376005

Technology Needed: Standard lecture lab with presentation system including software and projector and students should have access to a computer lab.

Attendance Policy:

Students are expected to attend class and to arrive on time. Late arrival disrupts the classroom and being late to class also accrues time towards absence. Advance notice of an absence **MUST BE** provided to the instructor via email.

The accumulated time of three (3) absences will result in reduction of your grade by a FULL letter grade. For example, an A- would degrade to a B-.

Seven (7) or more absences will result in an Attendance Failure.

Additionally, registrar office personnel and/or academic advisors will be consulted for any questionable absences and/or absence-related issues.

A student must sign his/her own name on the attendance sheet on each day present. If a student is absent and a student who is present signs in the absent student's name, both students will be penalized.

Doors will close 15 minutes after the start of class and will not open again until mid-class break point. During breaks you will be expected to manage your time and take advantage of food/beverages and bathroom use. Students are to remain seated during class until the break or instructor dismissal. In case of an emergency you must notify your instructor before leaving the classroom.

In-Class Behavior:

You are expected to be respectful and courteous to your fellow students and instructor. The following behaviors will not be tolerated in the classroom and you may be asked to leave if you do not comply:

- Disrupting classmates i.e. talking loudly, foul language, being over talkative
- Using computers for entertainment i.e. Watching movies, playing video games, listening to music without headphones
- Cell phone/ unauthorized personal device usage
- Sleeping
- Working on assignments for other classes.

During lab hours students must work on the current class assignment to continue their education through applied practice. (If a current class project is completed before the assignment's due date the student will use the class time to further develop the project.

Disability Services

The Illinois Institute of Art-Tinley Park provides accommodations to qualified students with disabilities. The Disability Services office assists qualified students with disabilities in acquiring reasonable and appropriate accommodations and in supporting equal access to services, programs and activities at Illinois Institute of Art-Tinley Park.

Students who seek reasonable accommodations should notify the Disabilities Services Coordinator Sara Spiegel, Student Support and Disability Services Coordinator, at 312-777-8616 of their specific limitations and, if known, their specific requested accommodations. Students will be asked to supply medical documentation of the need for accommodation. Classroom accommodations are not retroactive, but are effective only upon the student sharing approved accommodations with the instructor. Therefore, students are encouraged to request accommodations as early as feasible with the Disability Services Coordinator to allow for time to gather necessary documentation. If you have a concern or complaint in this regard, please contact the Dean of Student Affairs in Room 249 or call 708- 781-4031. Complaints will be handled in accordance with the school's Internal Grievance Procedure for Complaints of Discrimination and Harassment.

Equal Education Opportunity Policy

The Illinois Institute of Art-Tinley Park does not discriminate or harass on the basis of race, color, national origin, sex, gender, sexual orientation, disability, age, religion, genetic marker, or any other characteristic protected by state, local or federal law, in our programs and activities. The following person has been designated to handle inquiries and coordinate the school's compliance efforts regarding the non-discrimination policy: Dean of Student Affairs at 708.781.4031.

Tutoring:

Tutoring is available, free of charge, by calling 708-781-4080 or adewey@aii.edu to setup an appointment.

Instructional Methods:

Class Participation - is affected by attendance but also credited by contributing to in-class discussions, presentations, critiques and critiquing.

Assignments - included in this grading block are: homework assignments, lab-work, quizzes, group projects, and presentations.

Mid-Quarter Exam/Project & Final Exam/Project - Both Mid-Quarter and at the end of the quarter you will have either an exam, project or combination of both depending on what is appropriate.

Student Evaluation/Grading Policies:

The evaluation process is described below and—like this syllabus—is subject to change by the instructor discretion. Any changes will be announced in class. Students are encouraged to consult the instructor on any/all explanation(s) of each project/exam grade acquired.

Details on all assignments, projects, quizzes and exams will be made available in your eCompanion as well as discussed in class. Students are encouraged to consult the instructor on any/all explanation(s) of each assignment or project grade acquired. If you are absent from a class, it is your responsibility to secure missing notes and/or assignments, and it is highly recommended that you develop a buddy system for contacting fellow classmates regarding missing material(s).

ALL projects will have a DEADLINE and PROJECTS MUST BE HANDED IN ON TIME OR YOU WILL RECEIVE NO CREDIT. LATE WORK WILL NOT BE ACCEPTED. You cannot miss a deadline in the real world, and you will not be allowed to extend a deadline in class. Attaching any project to e-mail will not be accepted unless given permission by the instructor.

All work in this course must reflect your own efforts. While group collaboration is encouraged a student must clearly demonstrate personal competence and individual expression in all assignments.

Plagiarism Policy

Plagiarism is the act of obtaining credit for work by dishonest, deceptive, or fraudulent means. It is the act of taking ideas, words, images or specific substance of another and offering these as one's own.

The Tinley Park campus has a strict policy against plagiarism:

Academic Failure: the student may receive an “F” for the course for a second offense of plagiarism.

Suspension or Dismissal: the student may be suspended or dismissed from the college for a third offense against the plagiarism policy.

The use of copyrighted materials including the use of celebrities and athletes is strictly prohibited.

Assessment Criteria and Methods of Evaluating Students

Class Participation	10%
Quizzes	10%
Projects	50%
Term Paper	5%
Presentation	5%
Final Exam	<u>20%</u>
	100%

Grading Scale

A	100-93
A-	92-90
B+	89-87
B	86-83
B-	82-80
C+	79-77
C	76-73
C-	72-70
D+	69-67
D	66-65
F	64 or below

WEEKLY OUTLINE

WEEK 1

Monday

Course Intro
Paper: Pitch animated sequence

Wednesday

Demo: the Animation Time Line
Project: Bouncing Ball

Week 2

Monday

Demo: Motion Paths

Project: Bouncing Ball on a motion path

Wednesday

Field Trip (Museum of Mexican Art)

Week 3

Monday

Weight in animation. Animating / Blocking of the walk cycle in 3D.

Project: Character Modeling

Research - 10 examples

Thumbnails - 20 sketches

Three 1/2 Comps

Wednesday

Lab: Character Modeling

Week 4

Monday

Demo: Maya's Human IK system

Wednesday

Demo: Walk Cycle

Week 5

Monday

Lab: walk cycle

Wednesday

Field Trip (Artmation)

Week 6

Monday

No Class (Field Trip observation)

Mid-Quarter grading - All projects due

Wednesday

Critiques: Walk Cycle

Week 7

Monday

Demo: Run Cycle

Wednesday

Lab: RunCycle

Week 8

Monday

Modeling: Environment

Demo: Animated Environments

Wednesday

Lab: Environment

Week 9

Project: Animated sequence

Demo: Rendering

Week 10

Project: Animated sequence

Week 11

Monday

Critiques: Animated Sequence
Final Project- all Projects Due
Wednesday
Student Meetings

Date Syllabus Was Last Reviewed: 10/5/2014

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I, _____

hereby acknowledge that I have received, reviewed and understand the syllabus and the expectations and requirements of MAA 228 - 3D Animation

Signature: _____

Date: _____