ARTV 2345 3D Modeling II
CRN 53446 – Spring 2018
West Loop Campus - Room W134 | 6:00 - 9:50 am | Wednesday
3 hours' lecture / course / 96 hours per semester/ 16 weeks

Instructor: Reggie Leathers

Instructor Contact Information: 713-718-5728 | reginald.leathers@hccs.edu |

Office location and hours

Please feel free to contact me concerning any problems that you are experiencing in this course. You do not need to wait until you have received a poor grade before asking for my assistance. Your performance in my class is very important to me. I am available to hear your concerns and just to discuss course topics. Feel free to come by my office anytime during these hours.

Course Level: Advanced

Course Description:
A studio course focused on advanced 3-D modeling and rendering techniques using industry standard software: spline modeling, patch modeling, and other hard surface modeling techniques; learn advanced use of camera settings, lighting, and surfacing to create detailed environments.

End -of-Course Outcomes: Build seamless organic models; rig models for animation; and develop complex environments with detailed surfaces and advanced lighting techniques.

Prerequisites
- ARTC 1302
- ARTV 1345/GAME1336

Frequent Requisites
- MATH 0306 (Basic Math Pre-Algebra)
- GUST 0341 (7th -9th Grade Reading)
- ENGL 0300 or 0347

Course Goals & Student Learning Outcomes
1. Demonstrate ability to select and apply industry standard software.
2. Design and demonstrate use of software and techniques in practical applications
3. Develop a portfolio of work that demonstrates proficiency in skills for employment proficiency in skills for employment
4. Present a portfolio of work that demonstrates proficiency in skills for employment

Learning Objectives
Lectures, tutorials and projects will include
- Build, texture and render hard surface models
- Develop complex environments with detailed surface and lighting techniques.

SCANS or Core Curriculum Statement and Other Standards
- Managing Resources: Manage materials; Manage time
- Working with Information: Acquire/evaluate data; Organize/Maintain information; Interpret/Communicate data; Process information with computers
- Exhibiting Interpersonal Skills: Teach others; Work with different cultures
- Applying System Knowledge: Understand systems
- Using Technology: Select equipment and tools; Apply technology to specific tasks; Maintain/troubleshoot technologies
- Demonstrating Basic Skills: Reading; Writing; Speaking; Listening
- Demonstrating Thinking Skills: Creative thinking; Decision making; Seeing with the mind's eye
- Exhibiting Personal Qualities: Individual responsibility; Sociability; Integrity; Self-esteem; Self-management

SCHEDULE OF CLASSES:

Following is a tentative outline of discussion topics and class assignments for the semester. This schedule is subject to change. The instructor reserves the right to change the assignments, projects and dates as deemed necessary. You will be informed of any changes. Updated information will be posted online on Eagle Online

1		**Introduction**: Syllabus, **Lecture and Exercise**: Viking ship **Assignment**: Begin modeling Viking ship
2		**Lecture and exercise:** Continue building and UVing Viking ship **Assignment:** modeling and UVing Viking ship
3		**Lecture and Exercise**: Continue building Viking ship **Assignment:** Continue building Viking ship.
4		**Lecture and Exercise:** Finish all modeling and UVing of Viking ship **Assignment:** finish Viking ship

5		**Lecture and Exercise**: Non-linear vs linear color space **Assignment:** Start linear lighting exercise
6		**Lecture and Exercise**: Finish non-linear/linear color space exercise. Start desert project **Assignment:** Finish Linear exercise. Begin Desert project
7		**Lecture and Exercise:** Desert Project **Assignment:** Desert project
8		**Lecture and Exercise**: desert project: problems with physical sun/sky and fixing them. Introduce Nparticles **Assignment:** Desert Project
9		**Lecture:** Rendering NParticles, compositing, finish desert project **Assignment:** Finish desert project
10		**Lecture:** Introduction to Nurbs modeling and "hybrid" modeling. Car project (final project) **Assignment:** begin car project
11		**Lecture**: NURBS modeling and hybrid modeling continued **Assignment:** car project
12		**Lecture:** NURBS to UVs problems and dealing with them **Assignment:** car project
13		**Lecture:** Materials and textures for car project **Assignment**: as above
14		**Lecture:** lighting and compositing car project **Assignment:** as above
15		**Lecture:**, Rendering with Arnold, Rendering heavy scenes **Assignment:** as above
16		**Lecture:** Final project due **Assignment:** finish final

Instructional Methods
Web-enhanced (49% or less)
Face to Face
Lecture in the form of text and video handouts

Instructor's teaching philosophy & Instructional Methods
The process of life-long learning, sharing of knowledge and skills is one of my deepest passions in the teaching and training field. I enjoy teaching both onsite and online utilizing traditional methods along with current computer technology combined with effective teaching strategies and approaches which engages students and learners in a motivating and enriching learning experience.

In relation to teaching any subject area, I strongly believe that students should be taught the basics or fundamentals, and then guided and encouraged to apply and share concepts learned to various scenarios related to the subject area. They must also be allowed to be creative, explore and experiment with new ideas, as well as make and learn from their mistakes. With higher cognitive applications, students must be able to learn how to solve and overcome problem tasks, as well as apply critical thinking and supported with justified solutions. The end product of successful teaching is when the learner or student is able to utilize and apply the fundamentals of what have been taught to higher levels of learning, while achieving their maximum and fullest potential lifelong learning goals.

Student Assignments
Please note that since this is a 16 week hands on (required practice) intensive course. As you learn new concepts and application, you will apply the knowledge to your Final Project. (See Final Project Requirements attached).

NOTE: Working on assignments/project is an integral part for the course. Any missed assignments will be considered as missed lab/class time and hence will be counted as

==ABSENCE. (1 unexcused missed, late or incomplete assignments = 1 ABSENT Session)==
All assignments/projects are due on the day noted unless otherwise announced in class. Assignments may be completed in class or lab. Those having their own computer and pertinent software may work on assignments at home as well. However, class participation is still required, and students are advised to attend class regularly. The assignments must be completed on software programs used in class. Do not make substitutions.

Student Assessments
Your work will be evaluated according to the following criteria:
Adherence to the assignment guidelines: Do not rearrange the assignment
guidelines. Complete the right assignment. If the assignment is not clear to you, it is your responsibility to ask for clarifications before doing it.
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guidelines. Complete the right assignment. If the assignment is not clear to you, it is your responsibility to ask for clarifications before doing it.
Appropriateness: Follow course policies, attitude—check on how you handle
projects and challenges along with working with others in class. Do not have someone do the project or assignment for you. Submit & present projects on time. **Techniques and Concepts:** Application of concepts and techniques.
Quality of Execution: Content information. Strive for excellence. All work should
be an attempt at portfolio quality.

DIGITAL COMMUNICATION LATE ASSIGNMENT POLICY

Every assignment has a due date and students are expected to submit their assignments by the assigned due date. It is the student's responsibility to read and adhere to all assignment due dates listed on the assignment handouts. The purpose of this policy is to help students with time management and ensure optimum academic success in the classroom.

ALL Assignments are due midnight on the due dates indicated. Technical issues are not valid excuses for late work.

Any assignment posted or turned in after the indicated due dates will be subjected to the following:
1 – 24 hours late loses 25% off the total earned grade.
24 – 48 hours additional 25% off (50% off the total earned grade.)
48 – 72 hours additional 25% off (75% off the total earned grade.)
72 – 96 hours additional 25% off (100% off the total earned grade.)
Assignments will NOT be accepted after the fourth day of the due date.

Near the end of the semester students can be given the opportunity to make up missed assignments, and/or zeros (0) through extra credit. **This will be given at the instructor's discretion.**

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Since this is a Web Enhanced Course your hours online will be monitored through your **Blackboard Classroom activity & participation.**

Instructor Requirements
As your Instructor, it is my responsibility to**:**
- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through class activities, discussions, and lectures
- Description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness and make up
- Provide the course outline and class calendar which will include a description of any special projects or assignments
- Arrange to meet with individual students before and after class as required

To be successful in this class, it is your (the student's) responsibility to**:**
- Attend class and participate in class discussions and activities
- Read and comprehend the handouts and help files where applicable
- Complete the required assignments and evaluations
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts and all assignments
- Complete all assignments/activities with a 70% passing score

- Adhere to HCC, department and instructor policies

Classroom Policies
1. Students are responsible for adhering to all guidelines, procedures and requirements indicated in assignments and project handouts for the course.
2. Information covered in class will not be repeated for students who are tardy or absent. Students are responsible on getting lectures and assignments missed from other students. No make-up tests or classroom exercises will be given.
3. All assignments and projects must be completed by the student. Any work completed with the help of external sources such as lab technicians or past students/relatives etc. will result in a zero grade. Details will be given in each project or assignment.
4. Assignment/Project content or theme must **NOT** contain any inappropriate or offensive material (language, text, images, or Digital Media) that relates to any **sexual, religious or political** orientation.
5. References and credits (such as images, text information, media files, etc) used must be documented in each assignment/project where applicable.
6. Work turned in past the dateline will receive a lowered letter grade or possibly an F.
7. Assignments are to be saved on External disks. You may leave your files on the server or class computers, the department will not be responsible for any deleted files.
8. Student must either call or EMAIL the instructor if they cannot make it for onsite class.
9. Plagiarism is inexcusable and will result in an F for the assignment and possible expulsion from the class.
10. No software, hardware, or manuals may be removed from the lab. Software and manuals may not be copied. Lab rules are to be strictly followed. Failure to comply with these rules will mean expulsion from both class and lab.
11. ALL pagers, beepers and cell phones to be switched to silent mode.
12. Students are to apply for Web Site space via HCCS or own their own by the first week of classes. All completed assignments are to be uploaded to their web space by given deadlines.
13. Students are responsible for dropping classes on the given withdrawal date.
    IMPORTANT NOTE! You will be administratively given an F automatically if you do not officially drop/withdraw from the course.
14. Everyone is highly advised to get the latest updated virus scanners on their computers.

Special request during Lab Meetings Onsite (where applicable), not mandatory but will be very much appreciated – Instructor is allergic to perfumes & strong fragrances. Please minimize usage if possible. (Thank you for your understanding)

Program/Discipline Requirements: If applicable
- Complete and comprehend the objectives and technologies involved in all graded assignments.
- Demonstrate the ability to apply creative thinking and problem solving to all class projects and assignments.
- Complete all reading assignments pertaining to the subject matter of the course.
- Attend class regularly, missing no more than 12.5% of instruction and lab time (12 hours)
- Arrive at class promptly and be prepared with necessary books, storage media, assignments, and anything else required.
- Exhibit safe and courteous lab habits.
- Develop and share knowledge and information with fellow students.
- Participate in keeping labs clean and organized; shutting down computers when finished; abiding by lab rules; showing respect for instructors, fellow students and lab assistants.
- Participate in class discussions and critiques.

- Demonstrate the ability to communicate in a clear, coherent manner.
- Turn in all assignment on time and in the manner required by the instructor.
- Demonstrate the ability to use computer---based technology and software applications as it applies to be given class.
- Understand and be proficient in computer file management, including saving and retrieving files.
- When possible, demonstrate the ability to use and understand both Macintosh and Window operating systems.
- Demonstrate knowledge and the ability to use applicable peripherals and storage devices.
- Develop a portfolio that illustrates concepts, techniques, and programs used in solving class assignment, including a written statement describing project concepts and processes.
- Demonstrate ability and creativity in using computer---based technology in communicating, solving problems and acquiring information.
- Accept responsibility for personal understanding of course requirements and degree plan.

Using the above criteria, your work will be assessed on six levels:

90–100%	A	Exceptionally fine work; superior in presentation, visual observation, comprehension and participation
80–89%	B	Above average work; superior in one or two areas
70–79%	C	Average work; good, unexceptional participation
60–69%	D	Below average work; noticeably weak with minimal participation
Below 60%	F	Clearly deficient in presentation, style and content with a lack of participation
Misc	W	Excessive absence (more than 12.5% semester absence)

Students who wish to appeal a grade penalty should notify the instructional supervisor within 30 working days of the incident. A standing committee appointed by the College Dean of Instruction (Academic or Workforce) will convene to sustain, reduce, or reverse the grade penalty. The committee will be composed of two students, two faculty members, and one instructional administrator. A majority vote will decide the grade appeal and is final.

HCC Grading Scale

A = 100- 90	4 points per semester hour
B = 89 - 80:	3 points per semester hour
C = 79 - 70:	2 points per semester hour
D = 69 - 60:	1 point per semester hour
59 and below = F	0 points per semester hour
IP (In Progress)	0 points per semester hour
W(Withdrawn)	0 points per semester hour
I (Incomplete)	0 points per semester hour
AUD (Audit)	0 points per semester hour

Instructional Materials

- REQUIRED TEXTBOOK – SEE BELOW
- External USB/FW Hard drives
- Office Stationery – Pen, Pencil, Paper, Blank CD/DVD etc **(NOTE THAT THE DEPARTMENT IS NOT AN OFFICE SUPPLY RESOURCE!)**
- **Software:** Maya 2016 (New Students) – http://www.autodesk.com/education/free-software/maya
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Textbook – Introducing Autodesk Maya 2016: Autodesk Official Press 1st Edition,

By Dariush Derakhshani, Textbook ISBN-13: 978-1119059639
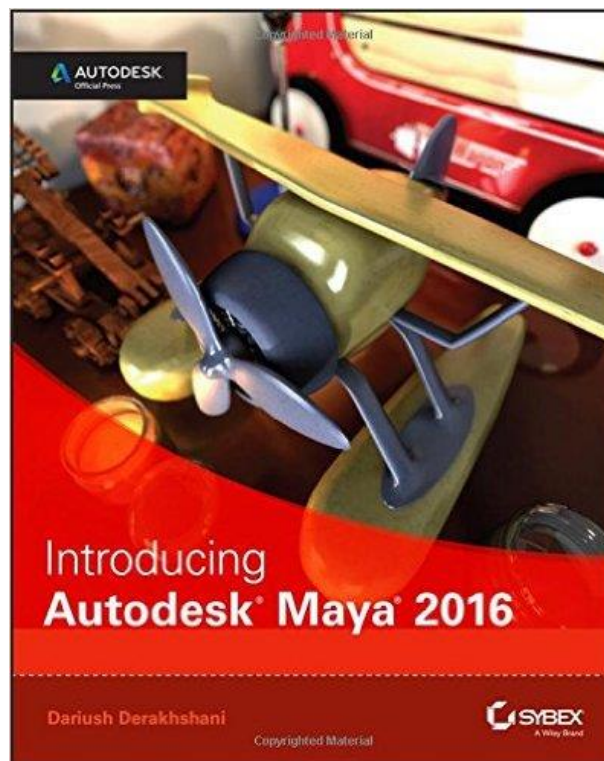
HCC Policy Statement:
Attendance
The 2014-15 HCCS Catalog (Page 27) states the following:
Students are expected to attend classes regularly. Students are responsible for material covered during their absences, and it is the student's responsibility to consult with instructors for makeup assignments. Instructors will check class attendance daily. Although it is the responsibility of the student to drop a course for nonattendance, the instructor has the authority to drop a student for excessive absences.

A student may be dropped from a course for absenteeism after the student has accumulated absences in excess of 12.5 percent of the hours of instruction (**including lecture and laboratory time**). For example:
1. For a three credit-hour lecture class meeting three hours per week (48 hours of instruction), a student may be dropped after six hours of absences.
2. For a four credit-hour lecture/lab course meeting six hours per week (96 hours of instruction), a student may be dropped after 12 hours of absences"

ONSITE CLASS - Attendance is taken within the **first 10 minutes** of the class session. **You will be marked absent for unexcused lateness**. Your attendance is also considered part of the class participation, and as such can affect your grade. Please note that you will be administratively dropped if you exceed the 12.5% of instruction hours (2-four hour sessions for classes that meet once a week, OR 4-two hour sessions for classes that meet twice a week).
ONLINE CLASS – Attendance is monitored by online discussions and assignment submissions.

Withdrawal Policy
The State of Texas has begun to impose penalties on students who drop courses excessively. That is, if you repeat the same course more than twice, you have to pay extra tuition. In addition, as of SUMMER 2008, students are limited to no more than SIX total course withdrawals throughout their educational career at a Texas public college or university.

To help students avoid having to drop/withdraw from any class, HCC has instituted an Early Alert process by which your professor will "alert" you and counselors that you might fail a class because of excessive absences and/or poor academic performance. Contact your Professor or a Counselor to learn about what, if any, HCC interventions might be available to assist you – online tutoring, child care, financial aid, job placement, etc. – to stay in class and improve your academic performance.

In order to withdraw from your class, you MUST contact a Counselor or your Professor and this must be done PRIOR to the withdrawal deadline to receive a "W" on your transcript. If you do not withdraw before the deadline, you will receive the grade that you have earned by the end of the semester. Zeros averaged in for required assignments/tests not submitted will lower your semester average significantly, most likely resulting in a failing grade ("F"). Please do **not** contact both a Counselor and your Professor to request a withdrawal; either one is sufficient.

AGAIN NOTE: IT IS THE RESPONSIBILITY OF THE STUDENT TO WITHDRAW OFFICIALLY FROM A COURSE. **Administrative drops are at the discretion of the instructor.** Failure of a student to withdraw officially **could result** in the student receiving a grade of "F" in the course.

The final withdrawal deadline for regular term and second start classes is listed in the course calendar section. However, classes of other duration (mini-term, flex-entry, 8-weeks, etc.) have different final withdrawal deadlines. Please visit the online registration calendars, HCC schedule of classes and catalog, any HCC Registration Office, or any HCC counselor to determine class withdrawal deadlines. *Remember to allow a 24-hour response time when communicating via email or telephone with a Professor and/or counselor. Do not submit a request to discuss withdrawal options less than a day before the deadline.*

Academic Honesty & Plagiarism Policy

A student who is academically dishonest is, by definition, not showing that the coursework has been learned, and that student is claiming an advantage not available to other students. The instructor is responsible for measuring each student's individual achievements and also for ensuring that all students compete on a level playing field. Thus, in our system, the instructor has teaching, grading, and enforcement roles. You are expected to be familiar with the University's Policy on Academic Honesty, found in the catalog. What that means is: If you are charged with an offense, pleading ignorance of the rules will not help you. Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty. "Scholastic dishonesty": includes, but is not limited to, cheating on a test, plagiarism, and collusion.
Cheating on a test includes:

- Copying from another students' test paper;
- Using materials not authorized by the person giving the test;
- Collaborating with another student during a test without authorization;
- Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of a test that has not been administered;
- Bribing another person to obtain a test that is to be administered.

Plagiarism means the appropriation of another's work and the unacknowledged incorporation of that work in one's own written work offered for credit.
Collusion mean the unauthorized collaboration with another person in preparing written work offered for credit.
Violations - Possible punishments for academic dishonesty may include a grade of "0" or "F" on the particular assignment, failure in the course, and/or recommendation for probation or dismissal from the College System. A recommendation for suspension or expulsion will be referred to the College Dean of Student Development for disciplinary disposition.

Use of Camera & Recording Devices

Use of recording devices, including camera phones and tape recorders, is prohibited in classrooms, laboratories, faculty offices, and other locations where instruction, tutoring, or testing occurs. Students with disabilities who need to use a recording device as a reasonable accommodation should contact the Office for Students with Disabilities for information regarding reasonable accommodations.

ADA Statement

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact Dr. Becky Hauri at 713-718-7910 in the Southwest College Disability Support Services Office at the beginning of each semester. Faculty is authorized to provide only the accommodations requested by the Disability Support Services Office.
To visit the ADA Web site, log on to www.hccs.edu, click Future Students, scroll down the page and click on the words Disability Information.

"The Houston Community College System seeks to provide equal educational opportunities without regard to race, color, religion, national origin, sex, age or handicap. This policy extends to employment, admission, and all programs and activities supported by the college."

"At HCC the safety of our students, staff, and faculty is our first priority. As of August 1, 2017, Houston Community College is subject to the Campus Carry Law (SB11 2015). For more information, visit the HCC Campus Carry web page at http://www.hccs.edu/district/departments/police/campus-carry/."

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status-in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross
Director EEO/Compliance
Office of Institutional Equity & Diversity
3100 Main
(713) 718-8271
Houston, TX 77266-7517 or Houston, TX 77266-7517 or Institutional.Equity@hccs.edu

Access Student Services Policies on their Web site:
http://central.hccs.edu/students/student-handbook/

Access DE Policies on their Web site:
All students are responsible for reading and understanding the DE Student Handbook, which contains policies, information about conduct, and other important information. For the DE Student Handbook click on the link below or go to the DE page on the HCC website.

The **Distance Education Student Handbook** contains policies and procedures unique to the DE student. Students should have reviewed the handbook as part of the mandatory orientation. It is the student's responsibility to be familiar with the handbook's contents. The handbook contains valuable information, answers, and resources, such as DE contacts, policies and procedures (how to drop, attendance requirements, etc.), student services (ADA, financial aid, degree planning, etc.), course information, testing procedures, technical support, and academic calendars. Refer to the DE Student Handbook by visiting this link:
http://de.hccs.edu/media/houston-community-college/distance-education/student-services/DE-Student-Handbook.pdf

Access CE Policies on their Web site:
http://www.hccs.edu/continuing-education/

EGLS3 -- Evaluation for Greater Learning Student Survey System
At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time near the end of the term, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be

made available to your professors and department chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

HCC Spring 2018 Academic Calendar Reg 16-WK

HCC Academic Calendar » Spring 2018 Academic Calendar » Reg 16-Wk

JANUARY 2018

Date	Time	Event	Location
Jan 8		Spring 2018 Reg 16 WK Coleman: Classes Begin	
Jan 12		Spring 2018 Reg 16 WK: Last Day for 100% refund	
Jan 16		Spring 2018 Reg 16-Wk Classes Begin	
Jan 22		Spring 2018 Reg 16 WK Coleman: Official Day of Record	
Jan 24		Spring 2018 Reg 16 WK Coleman: Official Day of Record	

FEBRUARY 2018

Date	Time	Event	Location
Feb 1		Spring 2018 Reg 16 WK: Last Day for 70% refund	
Feb 7		Spring 2018 Reg 16 WK: Last Day for 25% refund	

APRIL 2018

Date	Time	Event	Location
Apr 3		Spring 2018 Reg 16 WK: Last day to withdraw	

MAY 2018

Date	Time	Event	Location
May 13		Spring 2018 Reg 16 WK: Semester Ends	

Student Profile Form
http://swc2.hccs.edu/digicom/pages/profile.php

: ARTV 2345 3D Modeling II: Spring 2018 Course Syllabus ● Reggie Leathers