



3D MOTION DESIGN

COURSE SYLLABUS

Fort Hays State University
College of Arts, Humanities, and Social Sciences
Department of Art and Design
Thomas Giebler

01

COURSE INFORMATION

ART 652 - 3D Motion Design

Credit Hours // 3.0

Semester & Year // Spring 2026

Course Prerequisites // ART 349 - Introduction to Animation

Location of Class // AD 202 (*Schmidt Foundation Center for Art and Design, Room 202*)

Class Time // Monday/Wednesday/Friday - 3:30 PM – 5:20 PM

02

INSTRUCTOR INFORMATION

Thomas Giebler

Assistant Professor of Motion Design & Animation

Office: Schmidt Foundation Center for Art and Design, Room 211

Office Hours: By appointment; calendly.com/tjgiebler2

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tahemus.com - view for education and professional experience details

GRADUATE TEACHING ASSISTANT

David Guzman

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ART & DESIGN DEPARTMENT OFFICE

Lauren Sargent

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3D MOTION DESIGN

COURSE SYLLABUS

03

TEXTBOOK AND COURSE MATERIALS

Technology Requirement:

All students enrolled at Fort Hays State University are expected to have a computer* for use in a variety of university learning experiences. ***On-campus students are expected to have a personal external hard drive** (SSD preferred).

TigerTech only provides assistance with accessing and using FHSU hosted systems and University-owned equipment. FHSU does not sell computers and does not provide computer repair for student devices.

Hardware:

To meet basic security, networking, and upgrade requirements, your computer should be running Windows 7 (or newer) or Mac OS X (or newer). Ideally, your computer's warranty should be supported by the manufacturer throughout your college career. Chromebooks and iPads are not recommended for use as your primary device due to limited functionality. Ask your instructor or academic department to learn about any specific technology requirements that may apply for each course in which you are enrolled.

Software:

Enrolled students at FHSU can take advantage of a variety of options to get FREE and/or discounted software for use on personal devices at www.fhsu.edu/tigertech/software/. If you have any technical issues, contact FHSU TigerTech 785-628-3478, notify to the instructor.

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Motion design and animation requires some horsepower when it comes to hardware and software. The computers in either design department laboratories are sufficiently updated and should be utilized as much as possible for student projects.

04

COURSE DESCRIPTION

This course is an introduction to the industry-leading 3D software by Maxon: Cinema 4D. Students will learn the complete 3D workflow, from modeling, texturing, and lighting to node-based materials, animation, and rendering. 3D Motion Design outlines how to utilize 3D in print and packaging design and then extends to demonstrate some of its vast motion graphics and animation capabilities. The course also emphasizes creative thinking and design skills that challenge students to tell compelling stories within the new medium of 3D design.



3D MOTION DESIGN

COURSE SYLLABUS

05

COURSE LEARNING OUTCOMES

After completing this course, students will be able to

- Apply design thinking to a 3D workflow
- Model, texture, light, and render original content in Cinema4D + Redshift
- Understand how to implement 3D content into 2D designs
- Tell engaging concept based stories with 3D content
- Deploy basic animation and rendering skills to motion design projects

Prerequisites:

Digital Media II is an intermediate level course, and students should have some experience with design techniques, concepts, and primary software, including Adobe Illustrator and Photoshop. The course is an introduction to 3D design, and no previous modeling skills are required. The following courses should be complete: ART 349 - Introduction to Animation

Course Expectations:

To be successful in this course, students will be expected to:

- Deliver projects with a cohesive idea or design concept
- Meets the requirements of the given assignment
- Appropriately justify story and design concepts in their own work - Compare and contrast personal ideas with the work of others
- Apply critical thinking and judgment in order to solve problems
- Manage time, plan for projects, and be present for class activities.

06

TEACHING, LEARNING METHODS, & COURSE STRUCTURE

Blackboard

This tool is a university standard and will serve as the central hub for this class. Here you will find announcements, project information, links to video content, and more. Blackboard is also where you will turn in assignments. So, for this class, it will often require uploading a video within the relevant project module. Blackboard is good about sending alerts, but it *is always good to check the course page early and often.*



3D MOTION DESIGN

COURSE SYLLABUS

Panopto

Used in connection with Blackboard, Panopto is a video service that will host example videos, reels of relevant work, or any other video necessary for the course. Short tutorials and other video content will also be served with Panopto.

Instructional Approach & Course Structure:

The instruction in this course centers around advancing animation and design skills through advanced techniques. The Lessons will rotate between lectures on design and methods to best practices, workshop-based software instruction, and stories from real-world experiences. The following is a breakdown of how the course is structured.

- The structure of the course revolves around (4) core projects and (1) final assignment.
- Projects are posted in the Learning Modules section on Blackboard, including requirements and deadlines.
- Once complete, students are required to upload projects within the appropriate assignment module before the deadline. - Students will present work for critique in a classroom setting.
- Scheduled class sessions consist of lectures and software demonstrations delivered in-person.
- Recorded class sessions will post for study and reference.
- Additional curriculum includes hands-on equipment demonstrations, workshops, and guest speakers.
- Maxon Cinema 4D is the primary software program taught in this course.

NOTES:



3D MOTION DESIGN

COURSE SYLLABUS

07

COURSE SCHEDULE

This schedule is tentative and might change during the semester.

The content is subject to change depending on students' interest and progress. Students will be notified of the changes through announcements either in the class or at the Blackboard course site.

WEEK/DATES	TOPICS/LESSONS	PROJECTS
WEEK 1 Jan. 19	Objective: Discuss the history and uses for 3D in design, motion graphics, and beyond. Intro to software	Project 1 LETTER OF OBJECTS
WEEK 2 Jan. 26	Objective: : Continue basic concepts and workflows in Cinema 4D and Redshift	
WEEK 3 Feb. 2	Objective: Continue basic concepts and workflows in Cinema 4D (additional modeling techniques)	Project 2 GIFT TREE
WEEK 4 Feb. 9	Objective: Concept and composition reminders, along with continuing to learn Cinema 4D skills	
WEEK 5 Feb. 16	Objective: Expand texturing and material knowledge	
WEEK 6 Feb. 23	Objective: Introduce other tools, including Mograph	Project 3 LOOP-DE-LOOP
WEEK 7 March 2	Objective: Begin to introduce animation and physics	
WEEK 8 March 9	Objective: Continue animation demonstrations	
WEEK 9	SPRING BREAK	Project 4 TBD
WEEK 10 March 23	Objective: Continue to develop animation skills and mastering camera movement + physics	
WEEK 11 March 30	Objective: Pause to focus on content and composition	
WEEK 12 April 6	Objective: Explore volume modeling and discussing finishing and polish options	
WEEK 13 April 13	Objective: Look at rendering and multi-pass	Project 5 FINAL - CONFERENCE TITLES
WEEK 14 April 20	Objective: : Review and discuss final project	
WEEK 15 April 27	Objective: Scene optimization and more lighting options	
WEEK 16 May 4	Objective: Final project work	
WEEK 17 May 11	Objective: Finals Week	



3D MOTION DESIGN

COURSE SYLLABUS

08

ASSESSMENT METHODS AND GRADING SCALE

There are 1000 points for this course. The grade you earn for this course depends on the total number of points you earn throughout the semester. The assessment methods and grading scale are as follows:

Assessment Methods	How Many	Unit Points	Total Unit Points	Percentage
Participation	N/A	N/A	150	15%
Standard Projects	4	150	600	60%
Final Project	1	250	250	25%

= A (90% and above)

= B (80%-89%)

= C (70%-79%)

= D (60%-69%)

= U (below 60%)

09

STUDENT HELP RESOURCES

Students have access to academic services, technical support and student services at Fort Hays State University. You can find the resources online at [FHSU Blackboard Student Tutorials](#). For more information you can contact TigerTech at 785-628-3478 or [FHSU TigerTech](#).

10

COURSE POLICIES

Class Attendance/Participation:

It is your responsibility to attend class on time and consistently. The instructor will post updates on Blackboard, but if you miss class, you will inevitably miss crucial information. In addition, attendance will be regularly recorded and factored into the overall grade.

More than three unexcused absences during the semester will result in A FULL LETTER GRADE down for every additional absence for the final grade. Tardies are equivalent to half an absence.

Assignment Due Date:

Unless prior arrangements are made, all projects are due by start of class on the noted day. For every day late a project is turned in, the equivalent of one letter grade worth of points will be deducted from the total grade. Students arriving late to a critique will critique one-on-one with the instructor, after class.



3D MOTION DESIGN

COURSE SYLLABUS

Procedures for Assignment Submission:

Each project will have an associated Learning Module on Blackboard. Students will be required to upload their finished project in the appropriate place before the due date.

Fees:

This course has no additional art fees.

Other Policies:

Academic integrity is essential. Students are expected to find inspiration, but if you directly copy existing work, severe penalties will be enforced.

Unless using a mobile device for research or taking notes, please keep them silent and out-of-reach.

11

UNIVERSITY POLICIES

- Academic Honesty
- Attendance
- Withdrawal
- Student Accessibility Services
- Health and Wellness Services
- Title IX Policy : FHSU is committed to fostering a safe and productive learning environment. Title IX makes it clear that violence and harassment based on sex, gender, and gender identity are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. This includes all types of gender and relationship violence, sexual harassment, sexual misconduct, domestic and dating violence, and stalking. If you wish to report an incident or have questions about school policies and procedures regarding Title IX issues, please contact Laurie Larrick, University Compliance Officer and the FHSU Title IX Coordinator, at lelarrick@fhsu.edu or (785) 628-4175. The Compliance Officer can help connect you to campus and outside resources, discuss all of your reporting options, and assist with any concerns you may have.
- Career Services
- Technology Services