UVU UTAH VALLEY UNIVERSITY™

DAGV 1200 Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: *https://catalog.uvu.edu/*

Semester: *Spring*　　　　　　　　　　　　**Year:** 2025
Course Prefix: *DAGV*　　　　　　　　　　**Course and Section #:** *001 and 002*
Course Title: *3D Modeling essentials*　　　**Credits:** *3*

Course Description

This course introduces students to the fundamentals of 3D modeling using industry-standard software. Students will learn techniques for creating and manipulating 3D objects, understanding topology, and preparing models for animation and game development. Emphasis is placed on developing a strong foundation in modeling principles applicable across various digital media platforms.

Course Attributes

☐ Discipline Core Requirements in the Program

Instructor Information

Instructor Name: *Marty Clayton*

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

1. Demonstrate proficiency in using 3D modeling software to create complex models.
2. Apply principles of topology to ensure models are suitable for animation and game development.
3. Critically analyze and improve 3D models based on feedback and self-evaluation.

Course Materials and Texts

Canvas, and Teams

Course Requirements

Course Assignments, Assessments, and Grading Policy
- **Assignments:** Regular modeling projects and exercises (40% of final grade)
- **Quizzes:** Periodic assessments to test theoretical knowledge (20% of final grade)
- **Midterm Project:** Comprehensive modeling project (15% of final grade)
- **Final Project:** Capstone modeling project demonstrating course competencies (25% of final grade)

Required or Recommended Reading Assignments
Nome

General Description of the Subject Matter of Each Lecture or Discussion
- **Week 1:** Introduction to 3D Modeling and Software Interface
- **Week 2:** Basic Modeling Techniques and Tools
- **Week 3:** Understanding Topology and Edge Flow
- **Week 4:** Modeling for Animation vs. Game Development
- **Week 5:** Advanced Modeling Techniques
- **Week 6:** Midterm Project Work
- **Week 7:** UV Mapping and Texturing Basics
- **Week 8:** Introduction to Sculpting
- **Week 9:** Hard Surface Modeling
- **Week 10:** Organic Modeling
- **Week 11:** Retopology Techniques
- **Week 12:** Preparing Models for Export
- **Week 13:** Final Project Work
- **Week 14:** Final Project Presentations
- **Week 15:** Course Review and Feedback

Required Course Syllabus Statements

Generative AI
The use of generative AI tools is permitted for reference and inspiration purposes only. All submitted work must be original and created by the student. Plagiarism, including the uncredited use of AI-generated content, is strictly prohibited and will be addressed according to university policies.

Using Remote Testing Software
☐ This course does not use remote testing software.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU Accessibility Services at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their rights and responsibilities. In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in UVU Policy 541: *Student Code of Conduct*.

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a specially dedicated space for meditation, prayer, reflection, or other forms of religious expression.