

Course Syllabus

ID 8803 Syllabus

Advance Immersive Experience, 3 Credits, Fall 2026

ID 8803 AIE – 2:00 pm – 3:15 pm,

Instructor Information

Instructor	Email	Office Hours & Location
Timothy G Purdy	tim.purdy@design.gatech.edu	Office hours: Tuesday/Thursday 11 - 12 pm (Please email me to setup a meeting) Office: Room 366 A

To meet students' requirements, needs, and comfort levels, meetings and office hours will be offered in-person, virtually, or outdoors. Please email me to setup a meeting.

General Information

Welcome to the Advance Immersive Experience course!

The Advanced Immersive Experience course will focus on teaching students the skills, techniques and software needed to create immersive 3D experiences. These experiences will range from advanced animations that include characters interacting with products to VR scenes with interactive panels and interfaces.

Assignments will be designed to build on the level of immersion while teaching students the workflow needed to create interactive/realistic products and environments. After taking this course, students will have the knowledge to create immersive experiences for concept development, research and presentations.

Pre- &/or Co-Requisites

None

Course Goals and Learning Outcomes

Upon completion of the course students are expected to demonstrate knowledge, skill and abilities in the following areas:

- Students will learn the workflow to move from CAD tools to immersive software.
- Students will learn how to create more realistic products and environments through materials, textures, and lighting.
- Students will be able to evaluate different immersive software and experiences to determine best fit from

concept development, research or presentations.

Calendar

Please see the Calendar tab for dues dates of assignments and in-class help sessions.

Course Requirements & Grading

Assignment	Date	Weight (Percentage, points, etc)
Assignments 1	See Schedule	12%
Assignments 2	See Schedule	20%
Assignments 3	See Schedule	20%
Assignments 4	See Schedule	27%
In-Class Exercises	See Schedule	21%
Total		100%

Extra Credit and Grade Dispute Policies and Procedures

Extra credit is usually not given during the semester. However, students do have the ability to resubmit an assignment for a re-grade or use this to turn in an assignment late.

Description of Graded Components

Each assignment has its own description and rubrics for grading. When grades are returned through Canvas, comments will be posted for each item in the rubrics. Please make sure to check the rubrics for these comments to help you improve your work and knowledge.

In-class exercises are to practice material covered during the week and to help develop skills, techniques and knowledge for the next assignment. Requirements for each exercise will be defined during class. Students are expected to work on the exercise and submit it by the end of the next day. In-class exercises cannot be made up if the student misses a class unless it is an approved absent prior to the class. A total of 9 in-class exercises will be given during the semester. The top 7 exercises will count.

Grading Scale

Your final grade will be assigned as a letter grade according to the following scale:

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F 0-59%

Course Materials

Course Text

No book is required for this course.

An extensive set of learning tutorials is available online (see Course Resources & Tutorials).

Additional Materials/Resources

LinkedIn Learning - <https://linkedinlearning.gatech.edu>  (<https://linkedinlearning.gatech.edu>)

Course Specific Tutorials - Available through Canvas Modules and Media Gallery tabs

Course Website and Other Classroom Management Tools

Canvas will be used throughout the semester as a way to communicate the syllabus, assignments, homework, grading, course resources, etc. and as a way to turn in assignment and homework files electronically. Students are expected to check their email daily for any class announcements.

Submission Requirements

All assignment files are to be turned in electronically through the Canvas system. File and folders can be comprised and submitted in a zip format for easier submissions. If a PDF is required for submission, submit it separately in Canvas so it can easily be reviewed.

The course folder system in the College of Design can be used as a backup in case the Canvas system is not available. If an assignment has a physical model requirement, a separate due date for the model will be communicated.

Attendance and/or Participation

Students are expected to attend and participate in any discussion & in-class exercises. For in-class demo and presentation sessions, students are expected to be present on the dates indicated. Exception will be granted for medical issues and approved absences.

Collaboration & Group Work

All work is to be student's own work. No group work is allowed for any assignments or in-class assignments. However, asking for help from other students is encouraged since it is a great way for both students to learn.

In addition, students are to create their own content for assignments unless otherwise noted. Students are not allowed to use content from in-class demo files unless specific permission is given.

Extensions, Late Assignments, & Re-Scheduled/Missed Exams

Assignments are due by midnight on the date indicated in Canvas. To help manage the course workload with your other courses, one of the first three assignments can be submitted late or as a regrade assignment. For a late assignment, you do not have to provide any notice. It is assumed that not submitting an assignment means it is the late assignment. If submitting an assignment for a regrade, re-submit all the required files even if they have not been updated.

Course Expectations & Guidelines

Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review [Georgia Tech's Honor Code \(https://catalog.gatech.edu/policies/honor-code/\)](https://catalog.gatech.edu/policies/honor-code/) and the student [Code of Conduct \(https://catalog.gatech.edu/rules/18/\)](https://catalog.gatech.edu/rules/18/).

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, contact the [Office of Disability Services \(http://disabilityservices.gatech.edu/\)](http://disabilityservices.gatech.edu/) at (404) 894-2563, as soon as possible, to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. [The Student-Faculty Expectations \(http://www.catalog.gatech.edu/rules/22/\)](http://www.catalog.gatech.edu/rules/22/) articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

Student-Faculty Expectations

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Student Use of Mobile Devices in the Classroom

Take a break! Please turn off or silence all cell phones while in class.

Additional Course Policies

Got a question? Ask it! I believe it helps make the class more engaging and easier to pay attention. Questions also help me understand if I did not present the material properly or maybe need to go into something deeper.

Campus Resources for Students

There are several course specific tutorials that have been developed:

KeyShot: <http://purdy.gatech.edu/keyshot-tutorials/> (<http://purdy.gatech.edu/keyshot-tutorials/>)

SoID Videos: <https://mediaspace.gatech.edu/category/SoID+Videos/164319331> 
(<https://mediaspace.gatech.edu/category/SoID+Videos/164319331>)

See also the Introduction Module that contain pages on Software and Tutorials.

Rationale for Teaching Techniques

I have tried to structure the content and assignments to help make this class successful for each student. With so many students, it would be hard to keep track of each students situation. I structured the Past Due, ReGrade and Late Assignments as a way for you to manage the course requirements and workload.

To help bring in relevant information to the class, each student is expected to present during the semester. It gives you an opportunity to learn something new and share it with your fellow students and me.

Teaching Philosophy

I have a philosophy that even in failing, you are learning. Students will bring in a lump of plastic because the 3d printer failed. Just because the 3d printer failed, it does not mean you did not learn about the process. Or, your interface prototype works great when testing and developing it, but start acting up during the testing phase. Maybe the user does something unexpected and causes the interface prototype to mess up. That is why you create an interface prototype. You are learning what the user really does, not what you want them to do. I can sum up this course with this phrase “Failing to Learn.” Although grading on just effort would be great, students must submit required assignments to be fair to all students.

Software

Please see the [Software](https://gatech.instructure.com/courses/543296/pages/software) (<https://gatech.instructure.com/courses/543296/pages/software>) (<https://gatech.instructure.com/courses/543296/pages/software>)_page that is available under the Introduction Module or under the Pages tab.