

	Architecture Animation Using Lumion
Credits:	3 / SecitonA
Type of Course:	Online Course
Prerequisites:	None
Section /Instructor:	Mi Tsung Chang
Semester:	Summer

Course Overview :

In this class, you will be learning how to create architecture rendering and animation. You will make a movie with sound at the end of this course. Lumion empowers architects to transform their CAD designs into attractive renders within seconds. Whether modeling in SketchUp, Revit, 3ds Max, Rhino or many others, Lumion instantly breathes life into designs with realistic trees, stylish effects, and thousands of objects and materials from its content library. No training required, and after just 15 minutes, you will be able to learn how to create images, videos and 360 panoramas with lightning-fast speeds.

Emphasizing integrated use of the computer for design, production, and presentation, this course will expose students to drawing, modeling, rendering, and animation techniques. Technical instruction and individualized online workshops will facilitate research into presentation technique, material and temporal dimensions of digital design in architecture.

Fast rendering speeds, compatibility with most design software, photorealistic and conceptual results, large objects and materials library, enables quick updates to anyone by sending them a link through email.

About The Course:

You are required to watch video and read the content of each session, and there will be quiz at each section or at some lessons. Your quiz score will be counted in your grade.

QUIZ:

In order to encourage you to thoroughly read the online course content. Your first four attempts will be recorded, but diminish 25% after each attempt.

Q: I read the grading policy, and underneath the Quiz section, you said the fourth attempt will be recorded. So does that mean that I will need to attempt the quiz 4 times? I already took the quiz for What is Rendering four times and got 100 on all. I was just confused about the attempts needed and you said "minus every attempt you try before the fourth attempts."

A: No! You will have 4 attempts to PASS the quiz, and your quiz score will be recorded- diminish every attempt you try (like 25% less of the total score). After fourth attempt, your score will NOT be recorded. You will receive ZERO score after the fourth attempt. This system is encouraged you to NOT guess the quiz, but rather than thoroughly read through your materials. You should always try your best and pass the quiz in the first time to obtain the highest score. You will get about 10% of overall grade from your quizzes.

Example:

First Attempt: 80 (you PASS, and your 80 will be recorded 100%)
Second Attempt: 100 (you PASS, and 75 will be recorded)
Third Attempt: 90 (you PASS, and 45 will be recorded)
Fourth Attempt: 100 (you PASS, and 25 will be recorded)
Fifth Attempt: 90 (you PASS, and 0 will be recorded)

Learning Objectives:

This course will introduce digital production techniques used in architecture profession. In addition, the class' objectives are:

Help the students develop the ability to selectively appropriate digital representational media, including 2D, 3D, time-based and interactive media, to convey essential formal elements at each stage of the design process.

Student work should demonstrate an understanding of the fundamentals of visual perception and the principles and systems of order that inform two- and three-dimensional design and architectural composition.

While this course provides a vocabulary of techniques intended to develop students' technical abilities, this course seeks to challenge students' abilities to productively execute and conceptualize software functions. **As a production driven class, students will develop a web-ready presentation with an animation component and still images of the virtual and physical manifestation of their course work.**

This course meets the following NAAB student performance criteria:

3. Graphics Skills: Ability to use appropriate representational media, including freehand drawing and computer technology, to convey essential formal elements at each stage of the programming and design process.
5. Formal Ordering Systems: Understanding of the fundamentals of visual perception and the principles and systems of order that inform two- and three-dimensional design, architectural composition, and urban design.

Course Requirements:

1. Participation at online materials and assignments are mandatory.
2. Completion all online tutorials and assignments as assigned.
3. Completion all lesson's online quizzes.
4. Development and completion of an edited animation in the final project.

Course material will be introduced through a series of online lectures and direct engagement with software during workshops. Assignments will require the production of a combination of models, renderings, and animations, to be determined on an individual basis and in conjunction with the instructors. All products will be evaluated on the basis of their relevance to the line of research chosen and their coherence and clarity within the presentation

Assignments: Participate online assignments. Demonstrate understanding and facility with regard to propose each session's techniques. The final assignment is a final project.

Deliverable: animation videos, a series of images and original Lumion files.

The Last Minute Final Project Submission Warning!!!

Please be aware the day for you final project submission. This is the last day to submit your final project, but this is NOT an ideal day to submit your final project. This is a warning for anyone who "struggles" till the last minute to submit your final project part2. Bear the consequences, if you submit your final project in the last minute.

1. 20 points deduction on your final project part2 submission of the last day to submit your final project.
2. You might fail this class due to incomplete submission. You forget to submit one of the required sheets.
3. You accidentally "lock" your folder without releasing your permission. Your submission will be graded ZERO.
4. You miss one of the critical components for your final project. You will receive a reduced grade.
5. Something happens with the web server that prevents you to submit. Your submission "might" be graded ZERO without any proof.
6. Your computer crashes. Your submission will be graded ZERO.

I will recommend everyone to submit earlier, so there will be time for me to check at your submission. Waiting till the last moment often will hurt your grade.

Late Final Projects will not be accepted barring from medical emergencies. You are always encouraged to submit your final project early.

Methods of Assessment:

Please see your Grading Policy for this course.

Software:

Version Used in This Course: Lumion 11 Pro is FREE for students to download:

Student version is NOT able to be opened on commercial version, or vice versa. Please check the requirement of Lumion on Lumion's website. You may choose a new version for this course, but please understand this course is prepared for Lumion 11 Pro. You will be responsible for the new features of the new version.

Minimum System Requirements for Lumion 11:

Check Lumion's website for requirements.

Disclaimer:

It is entirely students' responsibility to setup their own computer with software tools to complete the assigned work due to online nature of this course. It is student's responsibility to obtain software for this class' use. You also need a capable computer to do our class activities. We are NOT responsible of setting up your computer, or tech support your software. Since this class is conducted entirely online, and we are NOT conducting this course in the cadLAB, so do NOT rely on school to provide you with software or hardware.

You will need access to a Windows PC with a current version of software to complete the course requirements. You must have, before taking this course, a good understanding of how to use Microsoft Windows computers and basic Windows software such as internet browsers, email clients, and image viewers. You must have access to the Internet to complete this course, as well. If you are not comfortable with typical Windows hardware and software or Internet usage, you should take a remedial course in basic PC use before undertaking this one. This course is a totally online course. It does NOT require your presence, but you need to finish course activities before every deadlines. You have to be sensitive to the time restriction, or you might fail the course due to lacking discipline to keep up with this course.