LSU | **College of Art + Design**
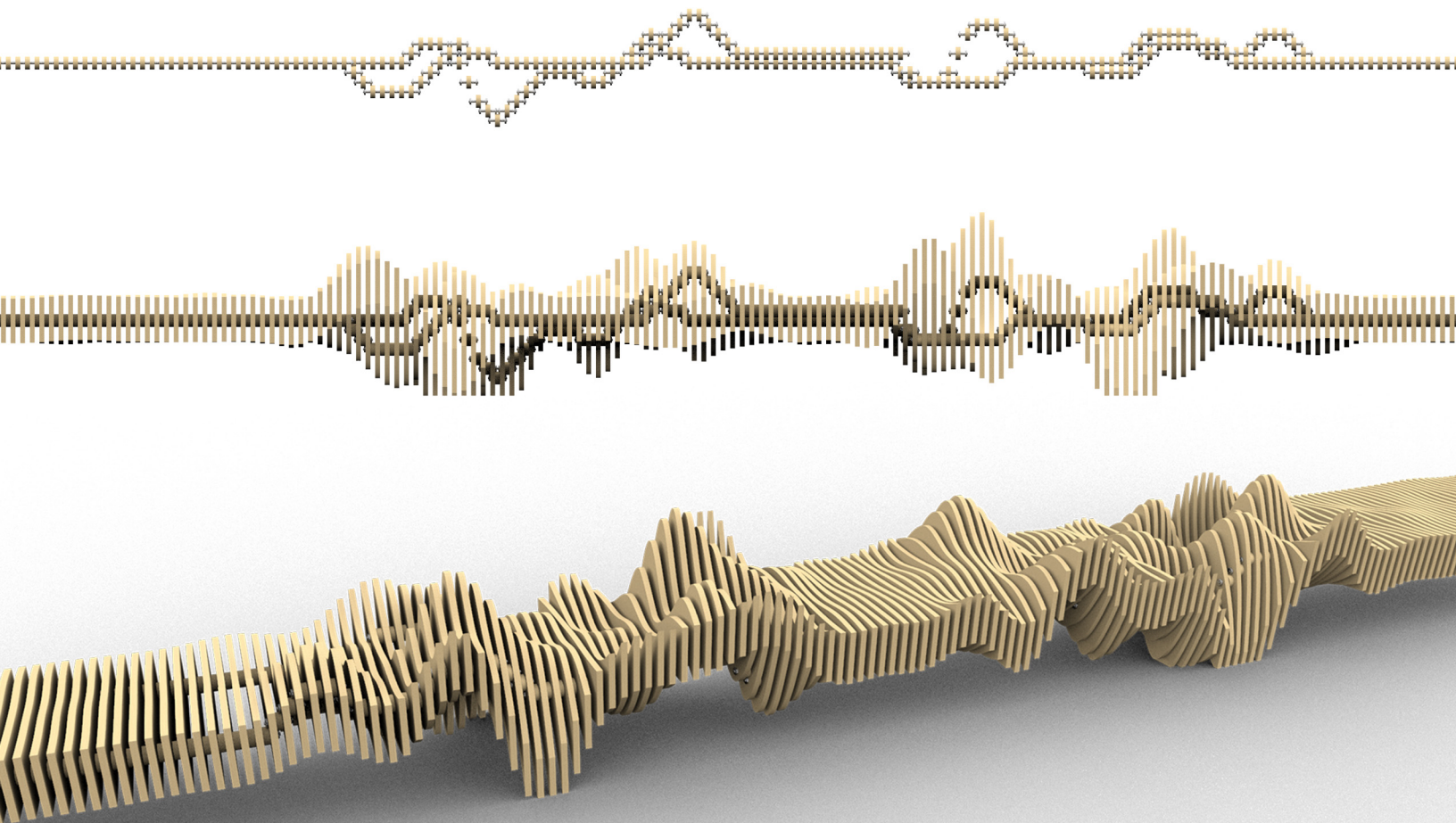
LA 2101 & 7012 | **Digital Landscapes**

Brendan Harmon
baharmon@lsu.edu

Spring 2021 .
Monday, Wednesday, & Friday 9:30am–11:50am.

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Course Description

This course is an introduction to the digital modeling of landscapes. In this course
you will learn the basics of 3D modeling, 3D rendering, 3D printing, and visual
programming. Topics will include how to model topography, furniture, landscape
elements, and planting.

Schedule

1	Introduction	6	Surfaces III	11	Planting I
2	Basics	7	Elements I	12	Planting II
3	Solids	8	Elements II	13	Landscapes I
4	Surfaces I	9	3D Printing	14	Landscapes II
5	Surfaces II	10	Topography	15	Landscapes III

Online

This class will be taught online. All course content including tutorials, lectures,
and models will be published on the course website at: `https://baharmon.github.io/`
`digital-landscapes`. We will meet for class on our Discord server at `https://discord.`
`gg/JXXtgdM4jP` for live streamed lectures, discussions, student presentations, and
troubleshooting. Before each class please complete the assigned tutorial. Post
your tutorial and project work on your channel on the Discord server. Each tuto-
rial will have a page on the course website and a video on both Youtube and Vimeo.

Course website | `https://baharmon.github.io/digital-landscapes`
Discord | `https://discord.gg/JXXtgdM4jP`
Youtube | `https://www.youtube.com/c/BrendanHarmon`
Vimeo | `https://vimeo.com/showcase/7366624`

Projects

3D Printed Sculpture 3D model and print a scale model of sculpture. *Due:* 04/23/2021

3D Printed Terrain Download a digital elevation model, generate a terrain mesh, and 3D print a scale model. *Due:* 04/23/2021

3D Rendered Landscape Design, model, and render a landscape with topography, planting, paving, seating, and other elements. Layout a board with your 3D renderings. *Due:* 04/23/2021

Course Portfolio Collect your work in a course portfolio for the school's accreditation archive. *Due:* 05/05/2021

Grading

3D Printed Sculpture	10%	3D Printed Terrain	10%
3D Rendered Landscape	25%	Tutorials	50%
Course Portfolio	5%		

Software

Rhinoceros | https://www.rhino3d.com/	Enscape | https://enscape3d.com/
Thea Render | www.thearender.com/	Adobe CC | https://www.adobe.com/
Lumion | https://lumion.com	

Network drives

Windows for undergrads: \\desn-knox.lsu.edu\Landscape-Classes\LA2101-S2020
Windows for grads: \\desn-knox.lsu.edu\Landscape-Classes\LA7102-S2020

Mac for undergrads: smb://desn-knox.lsu.edu/Landscape-Classes/LA2101-S2020
Mac for grads: smb://desn-knox.lsu.edu/Landscape-Classes/LA7102-S2020

Policies

Communication Intensive This is a certified Communication-Intensive (C-I) course, which meets all of the requirements set forth by LSU's Communication across the Curriculum program, including instruction and assignments emphasizing informal and formal visual and technological communication, teaching of discipline-specific communication techniques, use of feedback loops for learning, 40% of the course grade rooted in communication-based work, and practice of ethical and professional work standards. Students interested in pursuing the LSU Distinguished Communicators certification may use this C-I course for credit. For more information about this student recognition program visit: www.cxc.lsu.edu.

Accreditation Expectations As an accredited Landscape Architecture program LSU's Robert Reich School of Landscape Architecture (RRSLA) must meet the accreditation requirements as stated by the Landscape Architectural Accreditation Board (LAAB) to ensure RRSLA is meeting the expectations of the field. The LAAB requires programs to provide digital copies of student work as part of this process. Students in this course will be expected to comply with the following requirements as 5% of their course grade: (1) Students must provide a course portfolio with work samples specified by the instructor before the end of the grading period. (2) Each student's course portfolio must be saved as a single, high resolution PDF file with multiple pages. (3) Files must follow the naming convention established by the school: department-coursenumber-semesteryear-username.pdf. Example: LA2101-S2021-baharmon.pdf.

Time Commitment Expectations LSU's general policy states that for each credit hour, you (the student) should plan to spend at least two hours working on course related activities outside of class. Since this course is for three credit hours, you should expect to spend a minimum of six hours outside of class each week working on assignments for this course. For more information see: http://catalog.lsu.edu/content.php?catoid=12&navoid=822.

LSU Student Code of Conduct The LSU student code of conduct explains student rights, excused absences, and what is expected of student behavior. Students are expected to understand this code: http://students.lsu.edu/saa/students/code.

Disability Code The University is committed to making reasonable efforts to assist individuals with disabilities in their efforts to avail themselves of services and programs offered by the University. To this end, Louisiana State University will provide reasonable accommodations for persons with documented qualifying disabilities. If you have a disability and feel you need accommodations in this course, you must present a letter to me from Disability Services in 115 Johnston Hall, indicating the existence of a disability and the suggested accommodations.

Academic Integrity According to section 10.1 of the LSU Code of Student Conduct, "A student may be charged with Academic Misconduct" for a variety of offenses, including: unauthorized copying, collusion, or collaboration; "falsifying" data or citations; "assisting someone in the commission or attempted commission of an offense"; and plagiarism, which is defined in section 10.1.H as a "lack of appropriate citation, or the unacknowledged inclusion of someone else's words, structure, ideas, or data; failure to identify a source, or the submission of essentially the same work for two assignments without permission of the instructor."

Plagiarism and Citation Method Plagiarism is the "lack of appropriate citation, or the unacknowledged inclusion of someone else's words, structure, ideas, or data; failure to identify a source, or the submission of essentially the same work for two assignments without permission of the instructor(s)" (Sec. 10.1.H of the LSU Code of Student Conduct). As a student at LSU, it is your responsibility to refrain from plagiarizing the academic property of another and to utilize appropriate citation method for all coursework. In this class, it is recommended that you use Chicago Style author-date citations. Ignorance of the citation method is not an excuse for academic misconduct.