

LA 2101 | 7102

# Landscape Representation

The Landscape Machine Lab

Brendan Harmon

[baharmon@lsu.edu](mailto:baharmon@lsu.edu)

Spring 2018. Design 217.

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

## Course Description

## Course Schedule

1. Kinetic art seminar & Ideation I & Workshop I **Project assigned:** Kinetic art
2. Ideation II & 3D modeling I & Workshop II
3. Ideation III & 3D modeling II & Workshop III
4. 3D modeling III & 3D rendering I & Workshop IV
5. 3D modeling IV & 3D rendering II & Review I **Project due:** Kinetic art
6. Robotics seminar & Arduino I **Project assigned:** Animate form
7. 3D printing I, II, & Workshop V
8. Rigging I & Animation I
9. Animation II
10. Animating a machine **Project due:** Fantastic creatures
11. Landscape performance seminar **Project assigned:** Land Machine
12. Terrain modeling and fabrication I, II, & III
13. Ideation IV
14. Landscape as machine **Project due:** Land Machine
15. Exhibition

## Course Schedule

00.00.2018	Seminar	Kinetic art	<b>Project assigned:</b> Kinetic art
00.00.2018	Lab	Ideation I	
00.00.2018	Workshop	...	
00.00.2018	Lab	Ideation II	
00.00.2018	Lab	3D modeling I	
00.00.2018	Workshop	...	
00.00.2018	Lab	Ideation III	
00.00.2018	Lab	3D modeling II	
00.00.2018	Workshop	...	
00.00.2018	Lab	3D modeling III	
00.00.2018	Lab	3D rendering I	
00.00.2018	Workshop	...	
00.00.2018	Lab	3D modeling IV	
00.00.2018	Lab	3D rendering II	
00.00.2018	Review	Kinetic art	<b>Project due:</b> Kinetic art
00.00.2018	Seminar	Robotics	<b>Project assigned:</b> Machines
00.00.2018	Lab	Arduino I	
00.00.2018	Workshop	...	
00.00.2018	Lab	3D printing I	
00.00.2018	Lab	3D printing II	
00.00.2018	Workshop	...	
00.00.2018	Lab	Visual programming I	
00.00.2018	Lab	Visual programming II	
00.00.2018	Workshop	...	
00.00.2018	Lab	Animation I	
00.00.2018	Lab	Animation II	
00.00.2018	Workshop	...	
00.00.2018	Workshop	...	
00.00.2018	Workshop	...	
00.00.2018	Review	Machines	<b>Project due:</b> Machines
00.00.2018	Lab	...	<b>Project assigned:</b> Landscape machines
00.00.2018	Lab	...	
00.00.2018	Workshop	...	
00.00.2018	Lab	...	
00.00.2018	Lab	...	
00.00.2018	Workshop	...	
00.00.2018	Lab	...	
00.00.2018	Lab	...	
00.00.2018	Workshop	...	
00.00.2018	Lab	...	
00.00.2018	Lab	...	
00.00.2018	Workshop	...	
00.00.2018	Lab	...	
00.00.2018	Lab	...	
00.00.2018	Workshop	...	<b>Project due:</b> Landscape machines

## Software

Rhinoceros | <https://www.rhino3d.com/>

RhinoTerrain | <http://www.rhinoterrain.com/>

Iray for Rhino | <http://www.nvidia.com/object/iray-for-rhino.html>

Grasshopper | <http://grasshopper3d.com/>

## Readings

## Policies

**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 the following: 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(s)."

**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.

## Grading

Project   ...	20%
Project   ...	20%
Project   ...	20%
Project   ...	20%
Exhibition	20%