Extended Syllabus
(2016 Summer)

Course Title	Spatial Dynamics	**Course Number**	ANT2016
Credit	3	**Enrollment Eligibility**	(1), 2, 3, 4
Class Time	Mon to Fri 13:00 ~ 15:45	**Classroom**	X515

Instructor's Photo	Name: HyunKyung (Haru) Ji	**Homepage:** **http: //jiharu.github.io/2016ant2016/**
	E-mail: Ji, H <haruoneday@gmail.com>	**Telephone:**
	Office: X 407 Office Hours: Mon to Fri 16:00~17:00 by appointment	

I. Course Overview

1. Description

Spatial dynamics is an art studio class which explores objects in space, and spaces of objects, in terms of formations based on its functions and structure, and temporal relations. Students will learn through lectures, hands-on practice, and group critique, developing an understanding of material capacities and core principles in the construction of form and space. Working as individuals or in groups, while taking an interdisciplinary stance bridging roles of artist, designer, and engineer, students will define theoretical and creative challenges found in art and nature to produce three-dimensional spatial exploration integrating object and space, time and space, and form and function.

2. Prerequisites

None.

3. Course Format (%)

Lecture	Critique	Practicum	Field study	Exhibition	Other
30 %	30 %	40 %	%	%	%

4. Evaluation (%)

Mid-term Project	Final Project	Work Portfolio	Participation
30 %	30 %	30 %	10 %

II. Course Objectives

Students will learn, practice, and express:

- To build a framework of skills and knowledge, an understanding of processes, and terminology of spatial formation methods and materials.
- To increase artistic senses through practice experience and experimentation.
- To articulate their ideas and develop artistic problem-solving methods of interdisciplinary research, and by incremental refinement find the challenges and possibilities inherent in the construction process of a given material.
- To approach to understand and express spatial dynamics in variety contexts such as space & object, space & time (processes and scale), form & function (force), and nature & culture.
- To explore independent artistic expression through experimentation.
- To awareness of contemporary art issues through various examples.

III. Course Format

(* In detail)

In order to cultivate critical thinking and creative innovation related to artistic problem-solving processes, the class format is consisted with lectures, demonstrations, group critiques, student presentations, and most importantly, hands-on practices:

- Class time is devoted to studio work along with lectures and demonstrations by the instructor, group or individual critiques, and occasional student presentations.
- Lecture presentations throughout the term introduce students to examples of artworks and artists working with materials, construction techniques, issues and themes relevant to the assigned projects and to contemporary art practice.
- Demonstrations focus on constructional processes and materials relevant to the projects and provide information on structural integrity and effective craftsmanship.
- Individual or group critiques along with ongoing instructor feedback provide a context for analysis and discussion.
- Occasional student presentations will help to differentiate and elaborate their artistic interests and to inspire each other's further growth.
- Hands-on practices are the essential means by which students will investigate spatial formation problem solving abilities.

Periodically there will be in class work periods, but it is expected that the majority of the assignments will be completed outside of class time.

Students will build their work progress portfolio throughout the class.

IV. Course Requirements and Grading Criteria

1) Mid-term: Constructing spatial cell to prepare biomorphic or geometric unit form 30%

2) Final-term: Installation of biomorphic or geometric form 30%

3) Work Portfolio: records of ongoing progress, practices, and a final result. 30%

4) Class and critique participation 10%

Evaluation/Grading Criteria:

- Engagement of the student in their research studies, as well as their curiosity and motivation to learn and

achieve.

- Quality of the work produced, including the student's sensitivity to materials, originality (responding your identity, philosophy, and world), and novelty (which shows your understanding of the field).

- Creativity and concept development: skills applied to problem solving processes.

- Ability to handle materials and understand process.

- Commitment (includes attendance, participation, completing work on time, ambitiousness of project).

- Work habits: planning, preparation, follow through, timely completion of work.

V. Course Policies

1) Using the art studio; there will be strict rules for using the art studio for safety and public usability, which will be announced during the first week of the semester.

2) Attendance rule; this class will follow the general Sogang attendance rule, if you are not sure please check it from the Sogang website or from a class TA.

3) Support for the disabled: seat support/ Extensions on homework's and project submissions/ TA support etc.

VI. Materials and References

Class website: http: //jiharu.github.io/2016ant2016/

Material List

- Work clothes
- Paper cutting knife and extra blades
- Cutting mat
- Metal ruler minimum 12"
- Sketchbook, pencils etc
- More will be announced in the class

If we use a laser-cutter or a 3D print, students need to follow strict protocols which will be announced later.

References (not mandatory to purchase)

- Lecture materials, notices, and more references will be updated to the course website (http:// jiharu.github.io/ant2016/) for students to check and download.
- Sculpture Now by Anna Moszynska, 2013
- Artists Reclaim the Commons edited by Glenn Harper and Twylene Moyer, 2013
- Soft Shells: porous and deployable architectural screens by Sophia Vyzoviti, 2011
- Hylozoiic Ground: liminal responsive architecture, Contributors: Philip Beesley, Rob Gorbet, Pernilla Ohrstedt, 2010
- Architectural Model Making 2nd edition by Nick Dunn, 2014
- Industrial Design Techniques and Materials, Contributors: Raymond Guidot, 2006
- Art Forms in Nature by Ernst Haeckel, 1998, reprinted in 2013
- The Self-Made Tapestry: pattern formation in nature by Philip Ball, 1999, reprinted in 200
- And more will be addressed in the class

VII. Course Schedule

(* Subject to change)

1. Jun 20 Mon	**Learning Objectives**	Introduction of class and art studio
	Topics	Overview the course, term projects (& studio), the principal subjects.
	Class Work (Methods)	Lecture/Discussion/Hands-on practice
	Materials (Required Readings)	Course website
	Assignments	Sketch
2. Jun 21 Tue	**Learning Objectives**	Understanding & expressing
	Topics	Form & Structure
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
3. Jun 22 Wen	**Learning Objectives**	Understanding & expressing
	Topics	Biomorphic form
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
4. Jun 23 Thu	**Learning Objectives**	Understanding & expressing
	Topics	Geometric form
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice

	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
5. Jun 24 Fri	**Learning Objectives**	Understanding & expressing
	Topics	Constructing methods
	Class Work (Methods)	Lecture/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Submit portfolio
6. Jun 27 Mon	**Learning Objectives**	Understanding & expressing
	Topics	Spatial cell & unit form
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
7. Jun 28 Tue	**Learning Objectives**	Understanding & expressing
	Topics	Constructing methods
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
	Learning Objectives	Understanding & expressing

8. Jun 29 Wen	**Topics**	Form & space
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
9. Jun 30 Thu	**Learning Objectives**	Understanding & expressing
	Topics	Form & Function
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
10. Jul 1 Fri	**Learning Objectives**	Understanding & expressing
	Topics	Space & time
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Submit mid-term project: constructing spatial cell to prepare biomorphic or geometric unit form.
11. Jul 4 Mon	**Learning Objectives**	Understanding & expressing
	Topics	Installation I
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials

	Assignments	Sketch/research/constructing/recording
12. Jul 5 Tue	**Learning Objectives**	Understanding & expressing
	Topics	Installation II
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
13. Jul 6 Wen	**Learning Objectives**	Understanding & expressing
	Topics	Biomorphic & geometric form I
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
14. Jul 7 Thr	**Learning Objectives**	Understanding & expressing
	Topics	Biomorphic & geometric form II
	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Sketch/research/constructing/recording
15. Jul 8 Fri	**Learning Objectives**	Understanding & expressing
	Topics	Biomorphic & geometric form III

	Class Work (Methods)	Lecture/Discussion/Feedback/Hands-on practice
	Materials (Required Readings)	Course website/constructing materials
	Assignments	Submission of final-term project: installation of biomorphic or geometric form and final portfolio.

VIII. Special Accommodations
