

AR-597

Superstudio

Tombesi Paolo

Cursus	Sem.	Type
Architecture	MA1, MA3	Obl.

Langue d'enseignement	français / anglais
Crédits	13
Session	Hiver
Semestre	Automne
Examen	Pendant le semestre
Charge	390h
Semaines	12
Heures	6 hebdo
Cours	2 hebdo
Projet	4 hebdo
Nombre de places	

Remarque

seulement au MA3

Résumé

Superstudio offre une opportunité de travail sur un projet multidisciplinaire très riche en données. Les participants apprendront comment relier les connaissances spécialisées à un contexte particulier, et comment intégrer de nombreuses dimensions techniques dans un ensemble complexe.

Contenu

Rapa Nui, the remote legendary island in the middle of the Pacific Ocean, home to the Moai sculptures and also known as Easter Island, provides the physical context for this exercise, which is being developed in accordance with a three-year study program, from 2018 to 2020, tackling different scales of intervention: systemic / policy planning (2018); environmental / typological definition (2019); infrastructural / building design (2020). As per plan, Superstudio 2018 (*System Rapa Nui*) carried out an eco-systemic analysis of the island, which generated multiple visions for a regional policy, capable to consider and integrate all the issues affecting Rapa Nui's future sustenance at macro level. This year, with *Space Rapa Nui*, the focus will be on the typological definition of environmental building models and the selection of technologies that can facilitate the performance imagined at territorial level by such regional development proposals. Superstudio will run over two full days of instruction and investigation a week. it will comprise a four week-long series of lectures dealing with specific technological topics and two periods of student-led studio-based activities. The semester is divided into four parts: 1) Normalization and translation of the information produced by *System Rapa Nui* in 2018 (3 weeks); 2) Lecture cycle addressing relevant environmental topics and technological challenges for the building fabric in the island (4 weeks); 3) Typological investigation of relevant building programs integrating the findings of the two previous phases (5 weeks); 4) Final debate over the results of the activity (1 week). A selected group of students will travel to Rapa Nui in March 2020 to present and discuss with island representatives the details of the work carried out in Lausanne.

Mots-clés

territory, sustainability, autonomy, system, complexity, typology, environmental design, technology

Acquis de formation

A la fin de ce cours l'étudiant doit être capable de:

- Interpréter contextes socio-techniques
- Evaluer applicabilité technologique
- Intégrer dimensions analytiques
- Etablir hiérarchies de problèmes

- Formuler plans stratégiques
- Evaluer faisabilité des propositions

Compétences transversales

- Planifier des actions et les mener à bien de façon à faire un usage optimal du temps et des ressources à disposition.
- Communiquer efficacement et être compris y compris par des personnes de langues et cultures différentes.
- Dialoguer avec des professionnels d'autres disciplines.
- Faire preuve d'esprit critique
- Accéder aux sources d'informations appropriées et les évaluer.
- Recueillir des données.
- Résumer un article ou un rapport technique.

Méthode d'enseignement

Lectures ex-cathedra, seminars, studio-based interaction.

Travail attendu

- 1) Normalization and translation of the information produced by *System Rapa Nui* in 2018.
- 2) Research and selection of case studies reflecting the technological issues discussed in the lecture cycle.
- 3) Development of typological proposals for specific building programs in the island.
- 4) Public debate on the results of the work.

Méthode d'évaluation

Assessment of the following tasks:

- a) graphic re-interpretation of Superstudio 2018 proposals - 10%
- b) proposals' content translation into a new format as determined by Superstudio coordination - 15%
- c) research, selection, formatting of best/worst case examples of specific technological applications - 20%
- d) development of two typological proposals for given building programs - 50%
- e) public defense of their strengths - 5%

Encadrement

Office hours	Non
Assistants	Oui
Forum électronique	Non

Ressources

Bibliographie

Provided throughout the semester.