Overcoming the anthropocentric bias ingrained in the way we sense and view the city is an essential precondition for designing urban futures that care for all life forms. Given that cities are increasingly being represented and designed through data, how can designers employ open-source visualization tools to radically remap the built environment from a multispecies perspective? What does it mean to intelligently mediate human-non-human habitation through design?

**Urban Wilds, Envisioning the Multispecies City** explores these questions within the context of Greater Lausanne. The studio adopts a critical approach to multispecies design, beginning with the analysis of Lausanne’s ecological network proposed to restore habitat for fauna under threat of extinction. Students will decode the ecological entanglements between these animals and the built environment (tensions and opportunities) along habitat corridors and will formulate clear design problems and sites accordingly. The semester will be devoted to developing a network of interventions that integrate wildlife and human habitat at the architectural scale.

The course will consist of a combination of lectures, discussions, site visits, and design exercises. Students will engage in independent research, group work, and design projects to deepen their understanding of urban ecology. Guest lectures by experts in the field will provide students with unique insights into real-world challenges and opportunities related to wildlife coexistence in urban settings.

The design process will emphasize research, analysis, and conceptual development through the use of mapping and representational tools devised for the studio to enhance the presentation and communication of design proposals. This will incorporate innovative visual representation using animation, geodata, and on-site investigations combined through multi-layered drawings.

The results from this studio are planned to be shared with the city of Lausanne to provide insight into innovative ways to design for multispecies, as well as be part of a future exhibition on multispecies architecture & urban design.
The studio will use advanced digital tools, such as software, scripts and plugins for mapping and geodata analysis (Rhino & Grasshopper, QGIS), as well as offer the possibility of using AI tools and varied techniques of digital representation (such as Midjourney, Stable Diffusion, Blender, etc.)

No prior programming or software knowledge is required, however, there should be curiosity and desire to learn.
Mychael Barratt
London Bestiary, 2020
Yosuke Kashiwakura
The Art of Recycling, 2020
Arshdeep Singh
Pipe Owls, 2018
Antoine Lafay
Petit blaireau, 2023
Pete Stuart
Rivington Pigeon Tower, 2022
Guichet Cartographique de la Ville de Lausanne
Réseau écologique, 2023
Sarah Gunawan
Synanthropic Suburbia, 2017
Ines Dantas
Architectural Engagements with Urban Trees, 2023
Ines Dantas
Architectural Engagements with Urban Trees, 2023
Host and nectar plants (climbers and bushes) positioned on the building and related butterfly species.

The garden building is an attractor of Cali’s butterflies, containing information on the environmental quality of the region and its biodiversity. At the same time, the GBHNPCB serves Tallar Croquis as an indirect marketing strategy that is part of the spatial exploration of the multifarious Calleño identity for the business, given the challenge that its global expansion entails.

*In areas of the garden with less sunlight exposure than that required for host and nectar plants, other local species are planted, especially forms and different types of philodromus, which require less sunlight.

Husos Arquitectos

Bioclimatic Prototype of a Host and Nectar Garden Building, 2012
Husos Arquitectos

Bioclimatic Prototype of a Host and Nectar Garden Building, 2012
Husos Arquitectos

Bioclimatic Prototype of a Host and Nectar Garden Building, 2012
Animali Domestici

Hardware Stories: the Floor, 2022
Oscar Niemeyer
The Dovecote, 1961
Studio Ossidiana
Variations on a Birdcage, 2021
Feral Partnerships

Still from the film “Satoyama” by Masumi Mizunuma, Jeremy Evans, Satako Nakahara, 2004
Feral Partnerships
A house for ornithologists, 2019
ARQUITECTURAS ANIMALES
Especies entomófagas con hábitos trogloditas

Pijaros de la zona:
- Haristella ruficeps, ciphius corunna,encedula capaces, orla, abedillo, aplicanos, troglodito acuc, pinus temen, empentado, gerrion asoro, cabraje, poro guapeo, petapo cecropi, apta asporta, formas negros.

Mariposas de la zona:
- Mariposa grande de her nuôi, mariposa mediodera de her nuôi, mariposa centro de her nuôi, mariposa centro grande, mariposa centro pecho, mariposa centro o maru, mariposa de Cabra, cajado dorado, cajado gato.

CICLO DE LA PROCESIONARIA
Control biológico y arquitecturas animales asociadas

Husos Arquitectos
Multispecies Refuge, 2015
Husos Arquitectos
Multispecies Refuge, 2015
Important Dates
Fall 2023

Studio Introduction
Sep 19

Phase I: Wild Guilds (3 weeks)
Sep 19-Oct 2

Phase II: Multispecies Devices (3 weeks)
Oct 3-Oct 30

Phase III: Design Simulation (3 weeks)
Oct 31-Nov 20

Phase IV: Representation (3 weeks)
Nov 21-Dec 18

Final Review
Dec 18

The Studio theme spans the entire academic year of 2023/24. Accordingly, there will be continuity between the fall and spring semester, but each semester can be followed independently.

Dates are subject to change.

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