



Hello World!

Welcome to the *Across the Fungiverse* zine!

As the oligarchs take over the world we are actively looking for opportunities to spend less time on the tech bro platforms and instead find reasons to invite people to join us in our own spaces online. This is our first attempt to create a zine dedicated to one online class, and even though we're a little late to the game (this course begins tomorrow!), we thought this course and the lovely human who will be teaching it, Catherine Euale, still deserve a place in our zine history timeline!

Inside you'll find a short interview with Catherine, some of her artwork, images, and a word find puzzle with over 25 words themed along the lines of her upcoming course! Enjoy!

In Solidarity,

Rachel Uwa,

Creative educator, human, and artist at School of Machines, Making & Make-Believe

Catherine Euale

Multimedia Bio-artist



Catherine Euale is a Venezuelan- Canadian multimedia bio-artist, citizen scientist, community enthusiast and storyteller with a background in film and fashion. Her work centers around deepening our relationships with the more than human worlds. In her practice, she challenges the need to use materials and methods that are non-compatible with living systems.

Catherine completed a biomaterials and digital fabrication thesis at Fabricademy Barcelona at the Institute of Advanced Architecture Catalunya in 2019. She completed a certificate with the Buckminster Fuller Futures Design School in 2020. Catherine has been a mentor for the Biodesign Challenge, has taught biomaterial classes at InterAccess, Textile Center in Iceland and the Contemporary Textile Studio in Toronto. She was a resident with the Fungi Academy and a masterclass teacher on mycelium based materials on their Ecology online course.

Her work has been exhibited in Milan Design week, the MIT BioSummit, Future Fabrics Expo in London and Climate and Art festival Dear2050 in Switzerland. She has won grants from the EU Worth Partnership Project for international collaboration in design, mentorships from NASA Minds, Letting and Vogue business. She is a co-founder of S-Biotica biology art space in Barcelona with Jessica Días and Lara Campos. She is currently working on an online learning platform for myco-materials with long time collaborator Jessica Días and publishing a detailed guidebook on the subject.

[@slimy_futures](#)

[@fungal.matters](#)

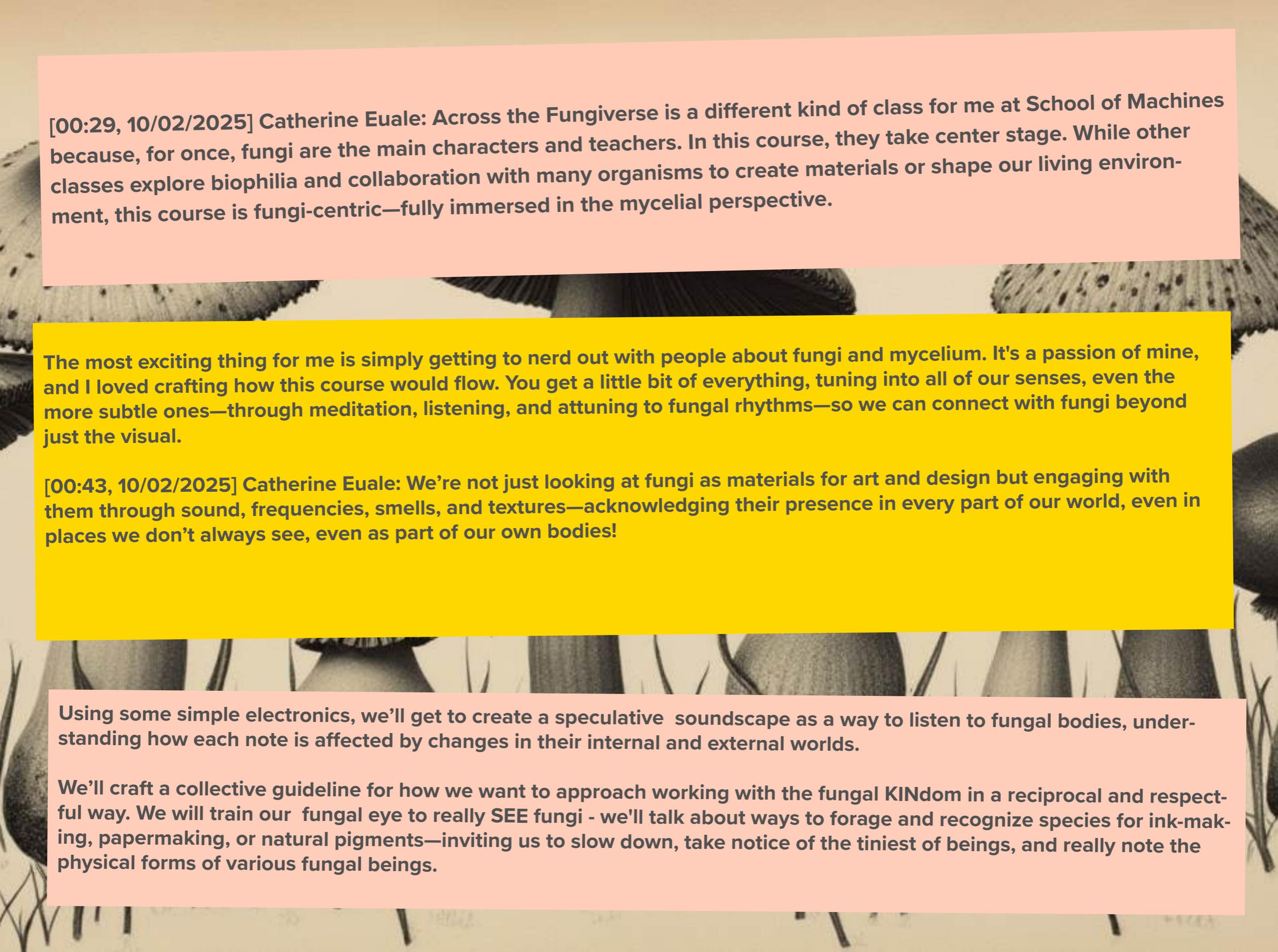
[@electric.skin](#)

[@future.wardrobe.project](#)



What is the context of *Across the Fungiverse*? How is this topic relevant to art, technology, and design, and to the present day?:

Fungal matters is really part of a "growing design" movement that transcends the conventional boundaries of design by creating living materials grown through a collaboration with biological organisms. These materials—bacterial, gooey, interspecies, fungal, algal, lichenized structures—are part of an emerging vocabulary that muddy, disrupt and dismantle boundaries between the organic and constructed, the animate and the inanimate. In *Fungal Matters* we use biology, electronics, and chemistry to understand the fungal kingdom through various lenses, becoming more attuned to the subtle forces that express themselves through the corporalities of our living planet - color, texture, sound and smell.



[00:29, 10/02/2025] Catherine Euale: Across the Fungiverse is a different kind of class for me at School of Machines because, for once, fungi are the main characters and teachers. In this course, they take center stage. While other classes explore biophilia and collaboration with many organisms to create materials or shape our living environment, this course is fungi-centric—fully immersed in the mycelial perspective.

The most exciting thing for me is simply getting to nerd out with people about fungi and mycelium. It's a passion of mine, and I loved crafting how this course would flow. You get a little bit of everything, tuning into all of our senses, even the more subtle ones—through meditation, listening, and attuning to fungal rhythms—so we can connect with fungi beyond just the visual.

[00:43, 10/02/2025] Catherine Euale: We're not just looking at fungi as materials for art and design but engaging with them through sound, frequencies, smells, and textures—acknowledging their presence in every part of our world, even in places we don't always see, even as part of our own bodies!

Using some simple electronics, we'll get to create a speculative soundscape as a way to listen to fungal bodies, understanding how each note is affected by changes in their internal and external worlds.

We'll craft a collective guideline for how we want to approach working with the fungal KINdom in a reciprocal and respectful way. We will train our fungal eye to really SEE fungi - we'll talk about ways to forage and recognize species for ink-making, papermaking, or natural pigments—inviting us to slow down, take notice of the tiniest of beings, and really note the physical forms of various fungal beings.



The amazing thing about fungi is that they are always surprising us! They are absolutely everywhere, in every imaginable form, and each one has a different sensory signature.

For example we can focus on their smell and be quite surprised that some mushrooms smell like cucumbers, some like cherries, others are pungent and decayed. Smell is another portal into their world, and we'll use it in meditation and hands-on practices when working with myco-materials. Once you start to attune yourself to various fungal smells, especially through foraging, lab work and fermentation processes you can easily discern what fungal characters are present in your space - without even having to use your eyes!

We'll be working with mycelium—the living organism of the fungus itself—to grow biomaterials, shaping objects in collaboration with fungi. We'll co-create with mycelium, setting design parameters and making the right conditions for our mycelium babies to thrive as they expand, weave, and shape themselves into solid, living artifacts.

This is a radically different way of thinking about our built environments. Exploring how our minds can become more mycelial by creating our spaces in ways that sustain life.

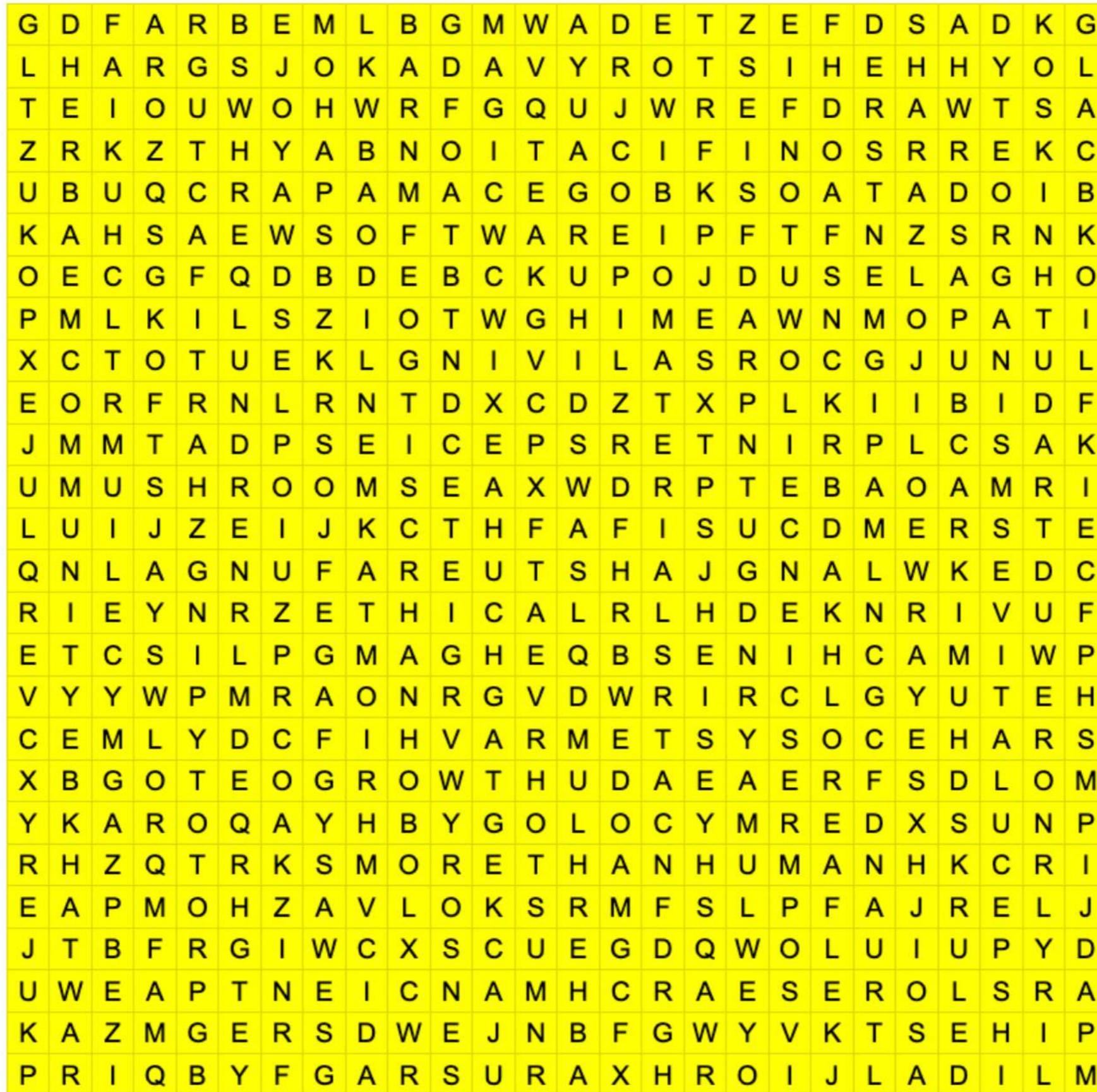
What matters most to you when teaching a subject? Why are you interested in teaching?

Teaching about biology in design is so enriching for me, because I personally find the living planet so incredible and I realize that a lot of folks don't have a chance to interact with living organisms as often as I do. And perhaps that little glimpse into other than human realities can fill some hearts with wonder, with hope, with detachment from the troubles that sometimes arise from the human condition.. and a sense of kinship that is innate in all living beings.

Across the Fungiverse is an invitation to change our human-centered mindset and stepping into a mycelial way of thinking. How can we create like fungi? How can we find new ways to collaborate, and adapt in a rapidly evolving planet? How can we find a new relationship to change and impermanence, to letting things, ideas and systems rot? We will look to fungi as guides—learning to think, feel, and create like a fungus, through our sensory bodies.

—Catherine Euale

WORD FIND! Find 25+ *Across the Fungiverse* related words. Ooh aah. Lol.



But seriously, [email us](#) if you get all of them. :)





Across the Fungiverse: Fungal Ecologies, Materials and Soundscapes

- 11. February - 11. March
- Online!
- Five-weeks, Tuesdays, 6-8PM CET
- Small class of participants
- Instructor Catherine Euale



COURSE DESCRIPTION

In this course, we will explore the mysterious and magical world of fungi, combining mycology, history, material science, and sensory experience. We will learn about the origins of fungal biomaterials, from ancient technologies that our planet has been refining and that land-based communities have been using for centuries to modern applications in material science and art.

Throughout the series, we use our bodies as sensory tools to get entangled with the fungal underground. We will start each session by grounding through meditations to connect with the 'mycelial state of mind' and explore the poetic and philosophical aspects of fungi through excerpts from texts like Let's Become Fungal, Entangled Life, The Mushroom People, and Myth & Mycelium. We'll discuss themes such as the ephemeral nature of fungi, their roles in ecosystems, and their symbolic associations with death and rebirth.

Before we get into the hands-on work, we'll co-create a framework for engaging with fungi in an ethical, respectful way. We'll set some ground rules and intentions for our practice, making sure we're approaching our more-than-human collaborators with the care they deserve.

The course will cover the language and knowledge specific to fungi, understanding the specialized terms and perspectives within the mycological community. We will cover foraging and material gathering, where participants will learn about various fungi suitable for creating mushroom paper, pigments, and inks. We will also introduce the basic methods of creating mycelium-based materials using GIY kits and guide participants in creating simple forms such as candle holders or plant pots using accessible molds from recycled containers and making sculptural mixes for free-form fabrication. Lastly, we will learn to translate biological frequencies emitted by fungi into soundscapes using tools like Ableton or simple synth software.

WHAT YOU WILL LEARN?

Theory

- Mycological jargon.
- Historical and modern uses of fungi in biofabrication.
- Ecologies and relationships of fungi with other organisms.
- Fungal poetics through literature and philosophy.
- Mycelial minds meditations.
- Speculative means of engaging with interspecies modes of communication between humans and fungi.

Practicum

- Basic foraging skills to identify and gather local fungi, processing and storage for material use..
- Create mycopaper from foraged mushrooms.
- Make inks from mushrooms for printmaking and watercolors..
- Introduction to mycelium-based objects like candle holders or plant pots using molds or sculpting techniques.
- Use software to turn fungal frequencies into soundscapes with biodata sonification device.
- Collaborative framework for ethical engagement with fungal collaborators.

WHO IS THIS COURSE FOR?

This course is introductory level, it will set anyone without prior experience off with a set of tools and resources for deepening their practice in any of the methodologies covered. It's perfect for budding mycophiles, artists, designers, makers, writers, crafters, scientists, sound artists, and bio-curious folk. It is especially suited for those keen on experimenting with fungi in different materialities.

FOR MORE INFO AND TO REGISTER, CLICK [HERE](#).

