

Bio-fabric workshop

**ECTS** : 3

**Description du contenu de l'enseignement :**

This workshop aims to broaden the territory of traditional textile design and introduce participants to new processes and textile manipulation techniques through experimentation with mycelium, the root structure of fungi. This week-long creative research workshop is based on a combination of theoretical knowledge, practical exercises, and creative works. Students learn about mycelium, its role in natural ecosystems, and its use in design.

Guided by Aléa's methodology, students explore diverse approaches to working with mycelium and textiles. Navigating an iterative process through trial and error, observation, and documentation, they uncover new material properties. They propose design applications that integrate ecosystemic thinking and ethical considerations.

This course provides an experimental and supportive environment that fosters interdisciplinary collaboration, idea sharing, learning by doing, and embracing the failures in the process. An emphasis on documentation allows students to reflect and carry their observations and tools to be applied in their future practices.

The workshop combines theoretical knowledge and practical exercises on three main themes:

1. Mycelium & myco-fabrication
2. Mycelium textile applications
3. Biodesign ethics

**Compétence à acquérir :**

- Experiment and analyze the various techniques of working with mycelium and textiles, understanding the advantages and the constraints of their implementation.
- Question our relationship with the living world.
- Understand the interconnectedness between environmental, social, and economic sustainability.
- Demonstrate awareness of ethical issues related to biodesign and capacity to integrate a critical perspective into the work.

**Mode de contrôle des connaissances :**

Attendance and group project

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