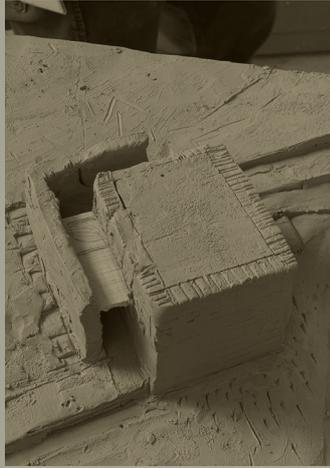


CRAFT & STRUCTURE UNIT

# INDEPENDENT STUDIES



# CONSTRUCTION PREPARATION

**Tutors: Cornelia Faisst, Martin Mackowitz**

The Construction Preparation module serves as a vital bridge between the research-driven modules and the hands-on realization of the Lehmraum Liechtenstein project and the earthHUB. The students engage in interlinked areas essential for successful project delivery.

The participants develop a comprehensive project plan and schedule, defining milestones, sequencing logistics, coordinating material sourcing, and aligning on-site conditions with construction phases and seasonal constraints. This sets the structure for a clear, realistic build process. Next, in close collaboration with partners such as Lehm Ton Erde and Lenum, the group organizes material logistics—handling excavated soil, rammed-earth formwork, timber components, and lab testing. Students plan sampling strategies and lab tests (e.g., moisture, grain size, compressive strength), ensuring soil meets structural and durability criteria before construction begins.

The module focuses on stakeholder coordination and documentation. The students rehearse communicating with industry partners and future users. They prepare annotated site plans, material inventories, and draft facilitation materials for meetings.

By module end, the students deliver a fully articulated project plan with timeline, material logistics and testing protocols, and documentation materials. These deliverables not only operationalize the scientific and design questions posed in the Lehmraum Liechtenstein project but also arm students with essential real-world skills in project management, quality assurance, interdisciplinary collaboration, and sustainable building logistics—crucial foundations for the ecological earth build that follows.

2-4 ECTS

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