Remarque
Inscription faite par la section

Résumé
L’atelier examinera le rôle de l’architecture et de la technologie dans une région respectueuse de l’environnement, propre à la production et riche sur le plan culturel, tel que Lavaux, où les étudiants envisageront des installations pour étudier et jouer la guitare.

Contenu
If the FAR LESS atelier in Semester 1 dealt with the procurement and use of scarce building resources in the poor rural environments of sub-saharian Africa, the atelier FAR MORE in Semester 2 is set to reflect on the role of architecture and technology in an environmentally sensitive and economically specialized rich setting. The place selected for this investigation is Lavaux, the terraced vineyards stony landscape east of Lausanne that stretches along the south-facing northern shores of Lac Leman. Exploiting a system of land use dating back over one-thousand years, Lavaux was inscribed in the UNESCO list of world heritage sites in 2007, and is now protected from development. But what does development mean in this instance?
Should one exempt, for example, infrastructural interventions aimed at improving the capacity of the wine-producing district to respond to its already defined cultural and musical vocation whilst maximizing the physical use of the land? In the belief that answering a question such as this is critical at the more general level of the relationship between heritage sites and living communities, the atelier will concentrate on a design proposition for accommodation, rehearsal, and performing facilities for visiting guitar musicians within the Lavaux terraces. This will also provide an opportunity for investigating the many possible design links between spatial boundaries and spatial acoustics in architecture. Given the potentially fruitful parallels between Lavaux and the social history of similar topographies in Andalusia, the guitar musical and cultural scene in Granada will provide an initial backdrop for ‘environmental’ research and will be the focus of a field trip to Spain.

Mots-clés
Lavaux, temporary facilities, building systems engineering, environmental performance, acoustics, guitar-making, critical regionalism.

Compétences requises
Concepts importants à maîtriser
relationship between architecture and engineering
relationship between design and culture
relationship between culture and environment
relationship between environment and sound
Acquis de formation
A la fin de ce cours l’étudiant doit être capable de:

• Analyser systèmes d’assemblage complexes.
• Contextualiser les choix faits.
• Argumenter sur la validité de plans d’action spécifiques.
• Elaborer des solutions environnementales complexes pour des espaces géométriques simples.
• Juger la qualité des résultats de propre travail.

Compétences transversales

• Communiquer efficacement et être compris y compris par des personnes de languages et cultures différentes.
• Evaluer sa propre performance dans le groupe, recevoir du feedback et y répondre de manière appropriée.
• Utiliser une méthodologie de travail appropriée, organiser un/son travail.
• Faire preuve d’esprit critique
• Gérer ses priorités.
• Accéder aux sources d’informations appropriées et les évaluer.
• Fixer des objectifs et concevoir un plan d’action pour les atteindre.
• Planifier des actions et les mener à bien de façon à faire un usage optimal du temps et des ressources à disposition.

Travail attendu
As a group, students will start with a study of guitar’s material and structural engineering challenges as well as program spatial performance requirements. They will then analyse, empirically, the relationship between sound, performance and physical boundaries as it applies to different architectural environments. Students will then work in small teams of up to 3 to develop building proposals addressing the technical and environmental challenges identified in the analysis whilst envisioning the architectural terms of the sought integration between existing infrastructure, cultural activities and local economy.

Soundproof Lavaux will travel to Granada in March-April 2020, for students to engage directly with the local guitar-making community and the architecture community at the local Escuela Tecnica Superior de Arquitectura.

Méthode d’évaluation
Evaluation of student-produced work at set deadlines across the semester, with varying weightings applied to the work.

Encadrement
Assistants Oui

Ressources
Bibliographie
Documentation of site, musical instruments’ technical information, and architectural references will be provided by FAR.