

Course Syllabus

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The Architectonics of Music

Iannis Xenakis : Scale

(Studio in 3 Parts)

Part 1. Music /Architecture

The studio begins with experimental models working with materials, light and time. In this 6 week exercise, until Midterm, students will be challenged to make a physical model according to a piece of music by composer Iannis Xenakis.

Part 2. Site/ Research

Patra is the third largest city in Greece. It is located on the northern side of Peloponnese and its port is considered the gateway of Greece to Europe. The site is positioned between the [marina \(Links to an external site.\)](#) and [harborside \(Links to an external site.\)](#). The students will analyze the site in conjunction with the urban development of the city during the Kinne trip in Greece.

Part 3. Center for Contemporary Music Research

A 2,000 m² new facility will be designed to house the Center for Contemporary Music Research, which was originally established by the composer Iannis Xenakis in 1979. This new facility will re-energize the role of the foundation within the cultural life of Greece and support multi-disciplinary research on the cultural, social and scientific aspects of musical expression.

Reading List

- 1) Stravinsky, Igor. Poetics of Music, in the Form of Six Lessons. Cambridge, Massachusetts and London, England: Harvard University Press, fourteenth printing, 2000.
- 2) Treib, Marc. Space Calculated in Seconds. Princeton University Press, 1996.
- 3) Griffiths, Paul. Modern Music: The Avant Garde Since 1945. George Braziller, 1981.
- 4) Griffiths, Paul. Modern Music: A Concise History. Thames & Hudson, 1994.
- 5) Toshiko, Mori. Immaterial/Ultramaterial. George Braziller, 2002.
- 6) Books in any edition by Merleau Ponty a) Phenomenology of Perception b) The Visible and the Invisible c) The Eye and the Mind. (These should all be available via Northwestern University Press).
- 7) Holl, Steven. Parallax, Princeton Architectural Press, 2000.
- 8) Holl, Steven. Scale, Lars Miller, 2011.
- 9) Safont-tria, Jordi; Kwinter, Sanford; Holl, Steven. Steven Holl - Color, Light, Time. Lars Miller, 2012.
- 10) Xenakis, Iannis. Formalized Music: Thought and Mathematics in Composition (Harmonologia Series, No 6). Pendragon Press, 1992.
- 11) Xenakis, Iannis. Music and Architecture, trans. by Kanach, Sharon. New York: Pendragon Press,

2008.

12) Cage, John. Silence. Wesleyan, 1st edition, 1961.

Architecture is teamwork. Students will work in teams of 2.

The studio will hold desk crits on Mondays and pin ups every Thursday.

Midterm review: Thursday, March 2 2017

Final review: Monday, May 1 2017