MUMT 618. COMPUTATIONAL MODELING OF MUSICAL ACOUSTICS.

Credits: 3

Offered by: Music Research (Graduate Studies)

This course is not offered this catalogue year.

Description

Methods for discrete-time modeling of musical acoustic systems, with an emphasis on digital waveguide techniques. Delay-based audio effects, artificial reverberation, musical instrument models and "physically-informed" approaches to sound synthesis.

- Prerequisite: Permission of the instructor
- Note: Prior experience with differential equations, digital filters, Matlab, and C/C++ is required.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

Launch Visual Schedule Builder