Music 490I Independent Study (Electronic Music)
Fall-Spring 2012-2013 Day/Time TBA. 2 credits.

Instructor
Dr. Christopher Hopkins
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Prerequisites
• Permission of instructor
• Proficiency in programming: Max/MSP 6, XML and/or Python.
• Coursework in sound synthesis (Music 346 and 446, or equivalents)

Description
A seminar-style independent study course in intermediate 3D graphics/haptics scene design and computer music programming. For 2012-13 the focus will be on developing applications of VE-SoundControl and connected systems to musical performance and composition. Follows on studies and projects from 2011-2012 using controllers designed in virtual reality, notably development of controller mapping from a force-feedback stylus and game controllers to an audio signal-processing graph constructed in the Max/MSP programming environment.

Students should plan to commit to register for both the Fall and Spring terms.

Grading
The course grade is determined according to the quality and degree of completion of assigned projects and papers.