



Course Information

Meeting Time & Location: Tue 5PM-7:30PM @ Lab #1, Rock Hall

Instructor: Dr. Joo Won Park

Email: jpark@temple.edu

Phone: 215-751- 8296

Office Hours: Tue 4-5PM @ Lab #2

Teaching Assistant: Cicada Brokaw <cicada@temple.edu>

Overview

This course will explore various aspects of computer music using SuperCollider. Students will learn how to represent/create music in numbers and codes by completing composition and research projects. By the end of the semester, students will acquire knowledge in live processing, algorithmic composition, and audio synthesis. Another goal in this class is to develop an “ear” for electronic music. Students will listen, discuss, and learn representative works from electroacoustic/ electronic music literature.

The requirements, emphasis, and timing of this course may be changed or adjusted due to the pace of technological advancement or to meet the specific needs of the class as determined by the instructor.

Required Materials

- **SuperCollider** : free download from www.audiosynth.com Mac & PC versions are available.
- **Data Storage Device**: It is strongly suggested that you acquire a USB flash drive with at least a 512MB capacity.
- **Headphones**

Expectations

- Come to every classes and labs on time and be ready to talk about the subject matter. Participation is a portion of your final grade. If you miss a significant amount of class/lab time without proper excuses, I reserve the right to drop you from the class. If you know you can't make it to class or if some emergency keeps you from coming, please let me know. We'll make the needed arrangements. You are responsible for all material covered in class regardless of your attendance record.
- Do your assignment and learn the ideas it presents. Late assignments are not accepted.
- Be honest in the work that you do. Plagiarism means presenting someone else's work (be it ideas, words, or music) as your own. This and all other forms of cheating are absolutely forbidden. Consequences for academic dishonesty may include earning a failing grade for the course or even expulsion from the college.
- Check your email and the class website regularly. I will email schedule/assignment changes. The class website will contain files needed for homework and projects.



Grading

The final grading formula for the class is as follows:

- Homework 50%
- Research Paper 15%
- Projects (2) 30%
- Class Participation 5%

A = 90-100% B = 80-89% C = 70-79% D = 60-69% F = 0-59%

* Only 2 projects (out of 3) will count towards your grade.

Accommodations for Students with Disabilities

Any student who has a need for accommodation based on the impact of a disability should contact me privately to discuss the specific situation as soon as possible. Contact Disability Resources and Services at 215- 204-1280 in 100 Ritter Annex to coordinate reasonable accommodations for students with documented disabilities.

Student and Faculty Academic Rights and Responsibilities Policy

Freedom to teach and freedom to learn are inseparable facets of academic freedom. The University has a policy on Student and Faculty and Academic Rights and Responsibilities (Policy #03.70.02) which can be accessed through the following link:
http://policies.temple.edu/getdoc.asp?policy_no=03.70.02.

Semester Schedule

Week 1 (8/31)	Introduction Overview of Signal Flow
Week 2 (9/07)	Introduction to SuperCollider Basic Operation (objects, functions, arrays)
Week 3 (9/14)	Control Signals & Envelopes Project 1 : One-Note Composition
Week 4 (9/21)	Modular Synthesis I : generators
Week 5 (9/28)	Modular Synthesis II : filters



Week 6 (10/5)	Modular Synthesis III: sampler & effect processors Research Paper
Week 7 (10/12)	Listening Session Project 1 is due
Week 8 (10/19)	Routine Project 2: Algorithmic Composition
Week 9 (10/26)	Sequencer
Week 10 (11/02)	if then do while
Week 11 (11/9)	Listening Session Project 2 is Due
Week 12 (11/16)	GUI Project 3: Live Processing Piece
Week 13 (11/23)	Signal Flow Research Paper is Due
Week 14 (11/30)	Collaboration
Week 16 (12/7)	Review & Catch up
Final Exam	Project 3 is Due