

025:251 COMPOSITION: ELECTRONIC MEDIA II

Professor Fritts

Spring 1997

Purpose: To learn how to use Kyma, Protools, Max, CSound, analog processing equipment, and voltage-controlled synthesizers as compositional tools. Lectures and assignments will thus emphasize the compositional uses of this hardware and software.

Grading: Final grades will be based on the following criteria:

<u>Class Presentations:</u>	10%
<u>Assignments:</u>	10
<u>Software Development:</u>	10
<u>Final Composition:</u>	
1' due March 5:	10
2' due March 19:	10
4' due April 16:	10
Final version w/score: _____	20
	100

Class Presentations: Students will develop their teaching skills by giving weekly presentations on software, hardware, and other aspects of electronic music composition. Software demonstrations should include handouts with screen snapshots as well as prepared audio examples.

Assignments: The primary purpose of the assignments given throughout the semester will be to generate compositional material for the final composition.

Software Development: Students will create their own Kyma modules and prototypes to be distributed in class.

Final Composition: The final composition should be a piece for live instrument (ensemble, voice, etc.) and stereo digital tape. The duration must be at least 4'. The timetable above gives the dates by which working versions of the piece must be ready. Each working version should consist of a MIDI-sequenced version of the live instrumental part synced with the digital audio tape part. The final version should include a score.

Weekly logs: Students are expected to spend a minimum of 12 hours per week on course work. A weekly log should be written up, printed, and placed in my box by noon each Monday. The log should be one page, one-1/2 spaced, and include detailed information regarding time spent, compositional progress made, description of technical problems and their solutions or workarounds.

Technical Problems: Students will not be penalized for late or incomplete assignments when major technical problems with the new equipment and hardware occur. If such occurs, students are expected to thoroughly document the problem and submit a written report to Kirk and myself detailing the problem from computer startup to the occurrence of the anomaly. Once the problem is documented, the student should move on to other aspects the course work.

Studio Maintenance: The studios must be kept in pristine condition. Failure to do so may result in a lower grade and loss of certain studio privileges such as personal keys and reserved times. No dirt, scraps of paper, food items, or fuzballs should be left on the floor, tables, or equipment. All manuals, disks, tapes, cables, and mics should be stored in their proper location.

Studio 3: The equipment in Studio 3, including the scanner, printer, and CD-recorder are for use of EMS and other composition students and faculty only. Personal laser copies are 10 cents per page. Laser copies for assignments, presentations, EMS, Center, and Composers Workshops are free.

Calendar

Jan. 22 Intro to Kyma
Jan. 27 Kyma filters, mixing. Protools.
Jan. 29 Kyma delays, granular synthesis. Protools.
Feb. 3 Kyma synthesis. Vision digital audio.
Feb. 5 Kyma synthesis. Protools MIDI.
Feb. 10 Kyma synthesis and MIDI.
Feb. 12 Kyma synthesis and MIDI.
Feb. 17 Kyma advanced processing.
Feb. 19 Kyma advanced processing.
Feb. 24 Kyma advanced processing.
Feb. 26 Kyma advanced processing.
Mar. 3 **1' working version of composition.** Max.
Mar. 5 Max.
Mar. 10 Max.
Mar. 12 Max.
Mar. 17 Analog processing.
Mar. 19 **2' working version of composition.** Analog processing.
Mar. 31 CSound.
Apr. 2 CSound.
Apr. 7 CSound.
Apr. 9 CSound.
Apr. 14 Voltage-controlled synthesis.
Apr. 16 Voltage-controlled synthesis.
Apr. 21 **Score and rehearsal version of tape part for performers.** Voltage-controlled synthesis.
Apr. 23 Voltage-controlled synthesis.
Apr. 28 Kyma/CSound/Max programming.
Apr. 30 **Performance version of tape part.** Kyma/CSound/Max programming.
May 4 **Dress rehearsal, Clapp. 6:30-9:30.**
May 5 Kyma/CSound/Max programming.
May 6 **Concert, Clapp. (Dress 6:30-7:45; concert 8:00).**
May 7 Kyma/CSound/Max programming.