

## Music 200 Screening Questionnaire

Music 200 is an introductory music technology course. It will cover sound reproduction systems, microphones, tape recorders, editing tapes, the physical properties of sound, and an introduction to analog synthesizers and computer music. It will also serve to introduce entering students to the technical facilities of the UCSD music department. The broad range of materials covered necessitates that the course operate on a very fundamental level. The purpose of this questionnaire is to determine the students' level of experience with music technology. Advanced students will be allowed to work independently on projects of their own choosing, meeting only a few times per quarter.

On a separate sheet of paper, please answer the following:

1. Name and area of concentration (performance, composition, etc.).
2. Performance instrument.
3. List all courses you have taken in or related to music technology (tape recording, electronic music, etc.). Give a brief statement for each course concerning its content and level.
4. List all non-academic experiences related to music technology.
5. Have you ever made a tape recording? If yes, please describe the equipment and situation.
6. Have you ever edited a tape? If yes, please describe.
7. What are the four basic physical properties of sound?
8. What is the difference between a cardioid and an omnidirectional microphone?
9. What is your own evaluation of your level regarding music technology: beginning or advanced?

Bruce Rittenbach

September, 1978

## MUSIC 200/MUSIC TECHNOLOGY/RITTENBACH

Prospectus

The class will be divided into advanced and beginning students according to the results of the screening questionnaire.

Advanced Students: For students with previous experience in music technology, this course will serve as an introduction to UCSD Music Department facilities. Students will be checked out in the B108 and B124 studios during the first class session and will work independently during the quarter. Work consists of 1 research project, 1 research paper, scheduled conferences, and a presentation of the project during the last week of class.

Project: The project may result in either a tape or a live performance. It may be in the form of a piece, or of a study in a particular area of electronic music, recording, or music concreté. The project must emphasize maximum use of the facilities; i.e. the point is to learn the studios.

Paper: The paper is a 10-15 page typed library research paper on some aspect of electronic/acoustic music technology of interest to the student. It should be focused in depth, allowing detailed explorations of one area. Possibilities include developments of synthesizer technology, control devices, computer music, synthesis techniques, compositional process, etc.

Beginning Students: Beginning students will attend all class sessions for lectures, discussion sessions, class projects, and demonstrations. The class will cover the physical properties of sound, sound reproduction systems, microphones, tape recorders, acoustics of physical spaces, editing tapes, and an introduction to analog synthesizers and computer music.

Out-of-class work will consist of reading assignments and 1 term paper. The paper is to be a 10-15 page typed library research paper on some aspect of music technology. It should be a broadly based survey paper that allows the student to cover one major area.

Syllabus

- W1 Introduction, policy, keys, studio checkout
- W2 Classroom playback systems (G. Ritcher), splicing demo, splicing project

MUSIC 200  
Syllabus continued

- W3 Splicing project continued, lecture on physical properties of sound
- W4 Lecture on microphones and tape recorders, recording project I (mono)
- W5 Lecture on properties of acoustic spaces and stereo recording, recording project II (stereo)
- W6 Lecture on voltage control and basic synthesizer modules, Moog demo (B108)
- W7 Lecture on control voltage sources and processing, Buchla demo (B124)
- W8 Lecture on computer music, demo of C.M.E. facilities (408 M.C.)
- W9 No class
- W10 Presentation of projects (B108)

Grading is on basis of paper, project and participation in class or individual consultation. Attendance of class (consultation) is mandatory and lack of attendance without contacting me will result in a lower grade.

Bruce Rittenbach

BR:11