

GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF FINE ARTS

Course Outline

DD1081 UT 3(2-0-1) 2000-2001

Introduction to Music Technology

DEC 18 2000

Instructor: Dr. Paul Rathke

1. **Course Description:** An introduction to MIDI, computers, and recording technologies.

2. **The Context in PC Experience:** The purpose of this course is to introduce the compositional and educational practices of MIDI software, samplers, various types of synthesis and the use of analog/digital recorders with an emphasis on providing hands-on experience with current music technology.

3. **Assignments:** Regular assignments will require the student to demonstrate a theoretical and working knowledge of various components in the recording studio. All projects must be created on a Mac platform with the software used in the IDD studios.

4. **Labs:** Every student *must attend* a supervised lab for at least one hour per week. Failure to do so will result in a lowering of the final grade.

5. **Grading:** The student's grade will be determined by the following weighting:

- A. 45% for regular class assignments.
 - Soundscape
 - Drum Track (synthetic duplication of drum track on commercial CD).
 - Real (acoustic) audio mixed with sequenced synthesized sounds.
- B. 20% for term project. This project must include a number of media and techniques learned in the course.
Note Well: Collaborative projects will not be accepted. Only one student will receive a grade for a project.
- C. 15% for attendance and production in Labs.
- C. 20% for final examination.

5. **Topics:** MAC Basics, MIDI, sequencing, direct to hard drive recording, mixing, digital mastering and related music technologies.

6. **Supplies:** approximately \$50 for tapes and computer disc costs. All students must provide their own earphones. Earphones must be used if others are working in the studio.

7. **Suggested Readings:** (on reserve)

Bartlett, Bruce. *Introduction to Professional Recording Techniques*. Indiana: Howard W. Sams & Company, 1987.

Boon, Michael. *Music Through MIDI*. Washington: Microsoft Corporation, 1987.

Miller, Fred. *Studio Recording for Musicians*. New York: Consolidated Music Publishers, 1981.

Rona, Jeff. *MIDI: the Ins, Outs and Thrus*. Milwaukee, Wisconsin: Hal Leonard Publishing 1989.