



DEPARTMENT OF FINE ARTS

COURSE OUTLINE – DD 2081

Music Technology II

INSTRUCTOR: Chris McIntyre **PHONE:** 780-539-2904
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OFFICE
HOURS: Varies

PREREQUISITE(S)/COREQUISITE: DD 1081

REQUIRED TEXT/RESOURCE MATERIALS: Text: Modern Recording Techniques, 6th or 7th edition. Miles David Huber. Students will need stereo headphones with 1/4 inch phono plug adapters. Students will also need blank CDRs for storing and transferring data.

It is recommended that students purchase their own external hard drives for saving projects. Multi-track audio projects use large amounts of hard drive space, and students then need not worry about projects being accidentally erased. (100GB or larger would be ideal)

CALENDAR DESCRIPTION: This is a continuation of DD1081 with more emphasis on composition and production techniques. The technical systems, recording, processing, editing, and mastering of digital audio are the subjects of this course. The application of these concepts for live sound reproduction and remote recording will be explored. Students will learn more advanced features of DAW software including automated mixing, time and pitch correction, and DSP plug-ins.

CREDIT/CONTACT HOURS: 3 (2-0-1) 45 hours

DELIVERY MODE(S): Lecture and Lab

OBJECTIVES: This course is intended to give students more experience with multitrack digital recording, including miking, digital editing, and mixing. Deeper DAW function of both Pro Tools and Digital Performer will be explored including DAW automation, DSP plugins, and pitch and time correction. Students will also learn more advanced MIDI sequencing techniques such as changes in velocity, pitch, tempo changes, etc. Students learn the art of sound reinforcement and capture used in live musical performances.

TRANSFERABILITY: UT

**** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.**

GRADING CRITERIA: The student's will complete two substantial projects graded both on technical merit and artistic merit and will write a final exam. The student will also be required to participate in the set-up for a live performance. The projects are listed below:

- a) A recording project demanding multiple microphone placements, and simultaneous multi-track digital recording. (30%)
- b) Demonstration of a working knowledge of miking, mixing, fold-back (monitoring), and amplification as used in good live sound reinforcement. (10%)
- c) An audio CD containing a minimum of 3 works demonstrating the student's greatest skill level with regards to the use of sequencing and digital audio. The first multi-track recording project may not be used.

These works must exhibit proper multi-track digital recording techniques, good editing, good panning and mixing. They should incorporate good use of DSP and EQ, DAW automation for MIDI and audio tracks (30%)

All projects must be done with the consultation and approval of the instructor

- d) Final written exam based on topics and practical concepts covered in class (30%)

EXAMINATIONS: Final Exam in April

STUDENT RESPONSIBILITIES: More than 20% absenteeism may constitute a failure except for medical or extenuating circumstances in which case a doctor's letter may be required.

Arranging for and acquiring back-up performers for recordings is an element of this course, and is the student's responsibility.

Regarding Studio and gear use: Studio times to be signed out Fine Arts studio manger.

Students who do not observe rules set forth by the studio manager may be prohibited from working in the music computer lab/recording studio and will be required to withdraw from the course.

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Students should expect to get to work on their projects early in the semester. Leaving projects until the end of the semester will result in everyone trying to book studio time at the same time. Extensions will not be granted for poor use of studio time and poor scheduling of sessions by the student.

Project due dates:

Project A – February 29

Live Sound - TBA

Project C - April 9