



## DEPARTMENT OF FINE ARTS

### COURSE OUTLINE – DD2281 MUSIC TECHNOLOGY III

**INSTRUCTOR:** Chris McIntyre      **PHONE:** 780-539-2904  
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**OFFICE HOURS:** Varies due to studio schedule

**PREREQUISITE(S)/COREQUISITE:** DD2081. Audit restrictions may apply.

#### **REQUIRED TEXT/RESOURCE MATERIALS:**

Text: Modern Recording Techniques 7<sup>th</sup> edition. Miles David Huber  
Students will need stereo headphones with 1/4 inch phono plug adapters. Students will not be able nor will they be allowed to work in the computer lab without headphones. Students will also need blank CD-Rs for storing and transferring data.  
It is recommended that students purchase their own external hard drives for saving projects. Multi-track audio projects can 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:** Students will be expected to further develop their skills and work towards developing a higher level of production, both in recording and live sound. Students will become more proficient at hard drive recording, focusing on advanced post-production techniques such as digital editing of sound files and advanced signal processing. Students will gain more experience tracking and mixing. The art of audio mastering and the final delivery of audio for duplication will be more thoroughly explored. Arranging for and acquiring back-up performers for recordings is also an element of this courses. Emphasis will be placed on the completion of a collection of well produced and mastered recordings.

**CREDIT/CONTACT HOURS: 45 hours**

## **DELIVERY MODE(S):**Lecture and Practical

**OBJECTIVES:** Students will become more proficient with hard drive recording, focusing on advanced post-production techniques such as digital editing of sound files, and advanced signal processing (EQ, compression, expansion and gating, filtering, de-essing, delay, flanging, reverb, etc.). Students will gain experience tracking, mixing and mastering “in and out of the box.” The art of audio mastering and the final delivery of audio for duplication will be more thoroughly explored. Arranging for and acquiring back-up performers (horn players, strings, back-up singers, added percussion, etc.) is also an element of this course. This course will offer further in depth study and hands on experience with live sound reproduction and capture. Students will also experiment with field recording and capturing sounds for processing and editing for sound design or other use in their projects.

## **TRANSFERABILITY:**

**\*\* 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 be graded on three major projects and a final exam:

- a) A project requiring capture of sound samples with the field recorder or in the studio. These samples will then be edited and mastered for use for foley/audio projects and added to GPRC sound library for use by students and faculty. These samples are also to be used to create a new virtual instrument in Kontakt 4. (Sampling a complete musical instrument is an alternative option) (25%)
- b) A multi-track studio recording employing a drum kit, vocals and instruments, and MIDI reinforcement if necessary. This project must be well mixed, and well processed. (25%)
- c) A multi-track live performance capture using multi mic setup. Project is to be mixed and mastered (25%)
- d) Final written exam based on topics and concepts covered in class. (25%)

## **EXAMINATIONS:** Final written exam

**STUDENT RESPONSIBILITIES:** Booking studio time, and musicians for recording sessions is up to the responsibility of the student.

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

**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:**