

Course: **DD2281 Music Technology III**

Session: **Fall 2009**

Credit/Hours: 3(3-0-0) 45 Hours

Delivery Mode: Lecture and Lab

Transfer:

Pre/corequisite: Prerequisite: DD2281

Instructor: Chris McIntyre L125 780-539-2904 cmcintyre@gprc.ab.ca

Calendar Description: Advanced Techniques Employing Music Technology. This course is a continuation of Music Technology II. Students will be expected to further develop their skills and work towards developing a higher level of production skills. Emphasis will be given to a hands-on approach and personal creative expression. It expands the use of MIDI and hard-disc recording technology and their use in various digital design environments.

Course Content: 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” on the on the Sound Craft 6000 and SSL AWS 900+ consoles. 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. Finally, students will also experiment with field recording and capturing sounds for processing and editing for sound design or other use in their projects.

Evaluation: 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. These samples will then be edited and mastered for use for foley and added to GPRC sound library for use by students and faculty. (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%)

Timeline:

Required Materials: Text: Modern Recording Techniques, 6<sup>th</sup> or 7<sup>th</sup> edition. Miles David Huber  
Stereo Headphones and CDRs

Additional Costs: 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)

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

Regarding Studio and gear use: Studio times to be signed out Fine Arts studio manger. Gear such as the digital field recorder must also be signed out from studio manager.

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.

Plagiarism: Plagiarism is cheating. The instructor reserves the right to use electronic plagiarism detection services. See P. 33-43 of the Calendar for more details, and for explanation of many other policies and regulations.

Reviewed: