

Course:	DD2281 Music Technology III
Session:	Fall 2006
Credit/Hours:	3(3-0-0) 45 Hours
Transfer:	Delivery Mode: Lecture
Pre/corequisite:	Prerequisite: DD2281
Instructor:	Dr. Paul H. Rathke L116 539-2015 prathke@ 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 in 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. The emphasis will be on the completion of a well-mastered audio CD or an interactive DVD. This course will also offer further in depth study and hands on experience with live sound reproduction.
Evaluation:	The student’s will be graded on three major projects and a final exam: <ul style="list-style-type: none"> a) 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%) b) A multi-track live acoustic performance using multi mic setup.. (25%) c) A multi-track recording of a band in live performance with after-performance editing including over-dubbing, inserts, and processing. (25%) d) Final written exam based on topics and concepts covered in class. (25%)
Timeline:	
Required Materials:	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.
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:	