

Course:	DD1081 Music Technology I
Session:	Fall 2006
Credit/Hours:	3(2-0-1) Delivery: Lecture and Lab
Transfer:	UA, UC, CU, KUC, Other
Pre/corequisite:	Audit Restriction May Apply
Instructor:	Chris McIntyre L125 539-2904 cmcintyre@gprc.ab.ca
Calendar Description:	The elements, technical systems, and architecture of music in the recording arts with emphasis on practical experience with MIDI, and hard disc recording.
Course Content:	This course will introduce students to the concepts of sound and hearing and cover elements of sound reproduction, hard disc recording using microphones, mixing consoles, outboard processing, DSP, and DAW software including Garage Band, Pro Tools and Digital Performer on the Mac platform. MIDI sequencing with virtual instruments along side digital audio will also be covered. As well, the creation/manipulation of audio loops used in conjunction with MIDI and audio tracks will be explored.
Evaluation:	The student's will complete four assigned projects and a final exam. The projects are listed below: <ul style="list-style-type: none"> a) A sequencing project demonstrating the ability to record and save a MIDI sequence. (10%) c) A multi-track sequence using virtual instruments mixed and bounced down into an audio file. This project will be graded for technical proficiency and aesthetic appeal. (20%) b) A project requiring MIDI tracks and audio loops bounced down to and audio file. (20%) d) A product requiring MIDI sequencing and digital recording of real-time audio with the option of additional audio loops. This must be mixed bounced down and exported as an audio file. (30%) e) Final written exam based on topics and practical concepts covered in class. (20%)
Timeline:	
Required Materials:	Students will need stereo headphones with $\frac{1}{4}$ 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.
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. Lab Rules: Students are prohibited from installing additional software on the computers in the music lab. Likewise, they are prohibited from changing any of the parameters of the keyboards or sound modules. Students who do not observe these rules may be prohibited from working in the music computer lab 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:	