



DEPARTMENT OF FINE ARTS

COURSE OUTLINE – Winter 2016

DD2281 (A3): Music Technology III – 3(2-0-1) 45 Hours 15 Weeks

INSTRUCTOR: Dr. Shawn Pinchbeck **PHONE:** 780-539-2074
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OFFICE HOURS: Wednesday 9 – 10 am, 5 – 6 pm or by appointment

CALENDAR DESCRIPTION:

This course examines the technology used in modern sound reinforcement for musical applications. Students are introduced to the essential equipment used in the sound reinforcement industry, and develop the skills and abilities necessary to set up and operate a basic PA system in a live concert setting. Mixing for FOH and foldback will be explored. In addition, students will learn how to integrate a DAW system with the live sound system to capture a live recording of an event.

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

REQUIRED TEXT/RESOURCE MATERIALS:

Text: Modern Recording Techniques 8th edition. Miles David Huber
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)

DELIVERY MODE(S): Lecture and Lab

COURSE OBJECTIVES:

Students will become more proficient with digital 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, editing, and sampling for sound design or other use in their projects.

LEARNING OUTCOMES:

Competency in the recording arts at a moderate level with a good understanding of the functions and use of the hardware and software available in the GPRC studios.

TRANSFERABILITY:

(List of Institutions to which this specific course transfers)

Please consult the Alberta Transfer Guide for more information (www.transferralberta.com)

**** 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**

EVALUATIONS:

Students will be graded on three major projects and a final exam:

- a) A project requiring the recording and sonic exploration of a non-musical object. The recorded sounds of this object should then be mastered and processed using plugins and digital signal processing to create raw materials to be multi-tracked into an electroacoustic music composition of 3 minutes. (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%)

GRADING CRITERIA: (The following criteria may be changed to suite the particular course/instructor)

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**. This means **DO NOT GET LESS THAN “C-” IF YOU ARE PLANNING TO TRANSFER TO A UNIVERSITY.**

Alpha Grade	4-point Equivalent	Percentage Guidelines		Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100		C+	2.3	67-69
A	4.0	85-89		C	2.0	63-66
A-	3.7	80-84		C-	1.7	60-62

B+	3.3	77-79		D+	1.3	55-59
B	3.0	73-76		D	1.0	50-54
B-	2.7	70-72		F	0.0	00-49

COURSE SCHEDULE/TENTATIVE TIMELINE:

Project A: Feb 24th
 Project B: March 16th
 Project C: April 13th

STUDENT RESPONSIBILITIES:

Booking studio time, and musicians for recording sessions is up to the responsibility of the student. Some class time will be given for course work (projects) but it is up to the student to complete projects in the studio outside of class time. You should become familiar with pages 34-46 of the GPRC 2015-2016 Calendar.

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

**Note: all Academic and Administrative policies are available on the same page.

Additional Information (Optional):