



DEPARTMENT OF FINE ARTS

COURSE OUTLINE – WINTER 2020

MU2081 (A3): Music Technology II 3 (2-0-1)

45 Hours for 15 Weeks

INSTRUCTOR: Shawn Pinchbeck **PHONE:** 780-539-2783
OFFICE: L114 **E-MAIL:** spinchbeck@gprc.ab.ca
OFFICE HOURS: Wednesday and Thursday 2pm – 3pm

CALENDAR DESCRIPTION:

This course focuses on theoretical and practical considerations for the recording of professional audio in a state of the art recording studio. Through readings, lecture, labs and multitrack recording projects students will learn about the aesthetics of listening, recording studio design, room acoustics, analogue and digital recording techniques. Digital Audio Workstation software, plugins, automation, synchronization, microphone selection and placement techniques, stereo techniques, using outboard effects, editing, mixing, Pre and Post Production, managing recording sessions, cabling and the use of standard studio equipment.

PREREQUISITE(S)/COREQUISITE: MU1081

REQUIRED TEXT/RESOURCE MATERIALS:

Text: Modern Recording Techniques, 9th edition. Miles David Huber. Students will need stereo headphones with 1/4" inch phono plug adapters.

It is recommended that students purchase their own external hard drives for saving and backing up projects.

DELIVERY MODE(S):

Lecture and lab

COURSE OBJECTIVES:

This course is intended to give students more experience with DAW recording and its functions, recording studio hardware, and develop their understanding of how all the parts of the recording studio (acoustics, design, hardware and knowledge) come together to make professional recordings. Students will produce recording projects with live performers and will develop to a moderate level of proficiency.

LEARNING OUTCOMES:

Students will be able to record live performers and create a mixdown of their recording session for various delivery mediums at a moderate proficiency.

TRANSFERABILITY:

Please consult the Alberta Transfer Guide for specific course transfer information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page

<http://www.transferalberta.ca> or use the direct course search at

<http://alis.alberta.ca/ps/tsp/ta/tbi/onlineSearch.html?SearchMode=S&step=2>

Students have the final responsibility for ensuring the transferability of courses taken at Alberta Colleges and Universities.

EVALUATIONS:

Students will complete four substantial projects graded both on technical merit and artistic merit and will write an exam.

These works must exhibit proper multi-track digital recording techniques, good editing, good panning and mixing. They should incorporate good use of DSP and EQ, DAW automation for MIDI and audio tracks

All projects must be done with the consultation and approval of the instructor

- a) Project 1 (15%) – ProTools Assignment
- b) Project 2 (15%) – Recording a vocalist with accompaniment (in conjunction with the vocal class)
- c) Project 3 (20%) – Mastered multitrack recording
- c) Project 4 (30%) – Final Recording Project

Exam based on topics and practical concepts covered in class (20%)

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-**.

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:

a) Project 1 – January 31

b) Project 2 – February 28

c) Project 3 – March 27

c) Project 4 – April 17

Timeline

January 6 + 10 – Course introduction and Advanced DAW - ProTools

January 13 + 17 – DAW advanced - ProTools

January 20 + 24 – DAW advanced - ProTools

January 27 + 31 –aesthetics and listening

February 3 + 7 –Studio design and acoustics

February 10 + 14 – Microphone techniques advanced

February 17 + 21 – Winter Break

February 19 + 21 – Processing and effects

February 24 + 28 –Altiverb – Studio patchbays

March 2 + 6 – Sound synthesis/MIDI editing

March 9 + 13 – Sound synthesis/MIDI editing

March 16 + 20 – Mixing and Mastering for different media

March 23 + March 27 – Managing a recording session, Pre and Post Production

March 30 + April 3 –Timecode and Introduction to Surround Sound

April 6 – Wrap up and review

STUDENT RESPONSIBILITIES:

Arranging for and acquiring performers for recordings is an element of this course, and is the student's responsibility.

Regarding Studio and gear use: Studio times to be signed out by the Recording Studio Manager.

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 Calendar at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at <https://www.gprc.ab.ca/about/administration/policies>

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