

2016-17 COURSE OUTLINE

COURSE TITLE:	Technology for Performers 2		
COURSE NUMBER:	646-007		
INSTRUCTOR:	Mike Ardagh	RCM #: 111992	
INSTRUCTOR EMAIL:	mike.ardagh@rcmusic.ca	TELEPHONE:	

This course will be offered:	Fall term	Spring term ☒	Full Year (both terms)
This course will be offered:	Every Year ☒	Alternate Years	
Course structure: 12 weeks, 90 mins once a week, plus exam.	Academic ☒	Performance	Independent study
Pre-requisites:	Technology for Performers I (646-006)		
Co-requisites:	None		

COURSE DESCRIPTION:

Students will acquire proficiency in those media and music production tools useful for a career as a professional musician. Topics covered will include: the music production process (preproduction, recording, post-production and mastering), room acoustics, effects processors, critical listening, Digital Audio Workstations (with an emphasis on Avid's Pro Tools software), basic video editing (with an emphasis on Final Cut Pro X), basic video theory and the delivery of audio and video projects in a professional manner. Students will be expected to apply lessons learned in the course toward the completion of assignments outside of class time. Pre-requisite: Technology for Performers 1 (646-006)

LEARNING OUTCOMES/OBJECTIVES:

KNOWLEDGE (the key elements that a student is expected to know upon completion of the course)

1. Understanding of the music production process and its technical workflow
2. Basic understanding of audio effects processors, room acoustics, and basic video theory
3. Basic understanding of a Digital Audio Workstation (Pro Tools) and video editing software (Final Cut Pro X)

SKILL (the key behaviours that a student is expected to be able to perform upon completion of the course)

1. Ability to interact professionally with producers, engineers, and other musicians in a production environment
2. Ability to recognize and critically evaluate the sonic factors that contribute to an audio recording
3. Ability to record, edit and deliver audio and video projects in a professional manner

COMPOSITION OF FINAL MARK:

40%	Course work (assignments, presentations)	# of assignments per term	4
0%	Performance	# of performances per term	
10%	Participation		
15%	Midterm test	# of tests per term	2
25%	Final examination	Type of Exam (please check one):	
10%	Quizzes	Written	☒
100%		Oral or Performance	☒

REQUIRED COURSE MATERIALS:

Textbook (title and publisher)	N/A
Music sheets/scores	N/A
Music (recorded)	N/A
Other (please specify)	Personal hard drive for coursework (specifications to be distributed during first class)

SUGGESTED ADDITIONAL READINGS:

1.	The Science of Sound , Third Edition by <i>Rossing, Moore and Wheeler</i> (ISBN-13: 978-0805385656, ISBN-10: 0805385657)
2.	An Introduction to Sound Recording , by <i>Geoff Martin</i> (Accessible for free online at http://www.tonmeister.ca/main/textbook/)
3.	Audio Production and Critical Listening Technical Ear Training , by <i>Jason Corey</i> (ISBN-13: 978-0240812953, ISBN-10: 0240812956)

ADDITIONAL COURSE ACTIVITIES: (Note: requires prior approval by GGS Administration)

SPECIAL GUESTS/ LECTURERS	Name:	Date:
	Name:	Date:
PUBLIC CONCERTS	Venue:	Date:

COURSE REQUIREMENTS:

Type of space required (standard classroom, studio, etc.)	Technology Lab	Other requirements (please specify)	N/A
Piano		Accompanist	N/A
Electronic media (data projector, screen, computer, etc.)	Individual computer stations; Software: Pro Tools 11, Final Cut Pro X	Sound System	Headphones

DETAILED COURSE OUTLINE:

SPRING SEMESTER:

Week 13	Jan. 12	Class Outline, Production Process Overview
Week 14	Jan. 19	Pre-Production, Critical Listening (Assignment 01)
Week 15	Jan. 26	Room Acoustics, Reverb & FX (Quiz 01)
Week 16	Feb. 2	Post-Production/Mixing (Assignment 01 Due , Assignment 02)
RCO Week	Feb. 9	<i>No Class</i>
Reading Week	Feb. 16	<i>No Class</i>
Week 17	Feb. 23	Mastering, Audio Codecs (Quiz 02)
Week 18	Mar. 2	Midterm Review (Assignment 02 Due)
Practice Week	Mar. 9	<i>No Class</i>
Opera Week	Mar. 16	<i>No Class</i>
Week 19	Mar. 23	Midterm
Week 20	Mar. 30	Final Cut Pro X Introduction (Assignment 03)
RCO Week	Apr. 6	<i>No Class</i>
Week 21	Apr. 13	Video Theory I: Frame-Rate, Resolution (Quiz 03)
Week 22	Apr. 20	Final Cut Pro X Editing (Assignment 03 Due , Assignment 04)
Week 23	Apr. 27	Video Theory II: Pulldown, Drop Frame, Timecode (Quiz 04)
Week 24	May 4	Final Exam Review (Assignment 04 Due)
Week 25	May 11	Final Exam

ADDITIONAL COMMENTS:

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MARKING GUIDELINES:

A+	90-100	4.33 Distinguished
A	85-89	4.00 First Class
A-	80-84	3.67 First Class
B+	77-79	3.33 Above Average
B	74-76	3.00 Above Average
B-	70-73	2.67 Above Average
C+	67-69	2.33 Average
C	64-66	2.00 Average
C-	60-63	1.67 Average
D+	57-59	1.33 Below Average
D	54-56	1.00 Below Average
D-	50-53	0.67 Below Average

F	49 & below	0.00 Failure
IN	Incomplete	
P	Pass	

STATEMENT ON ACADEMIC INTEGRITY:

Any form of cheating, including but not limited to plagiarism, can lead to severe academic consequences, including the automatic failure of a course (depending on the severity of the infraction). Instructors have the right to apply disciplinary measures directly – these can be appealed by the student via the Academic Appeals Committee.

The use of electronic devices, including cellular phones, may be regulated by the instructor. Devices should be put-away/turned-off upon request.

Please see section 3.0 of the Academic Calendar (p.40) for complete details on the Student Code of Conduct