LOS MEDANOS COLLEGE

ARTICULATION AGREEMENT **DATE DRAFTED**: April 2024
VALID ACADEMIC YEARS: FA24-SP26

LMC COURSE: RA-025 "Basic Tracking Sessions"
HIGH SCHOOL COURSE: ROP Digital Recording Studio
TEACHER: Juan Carreon
School: Heritage High School
Address: 101 American Ave., Brentwood, CA 94513

A. **COLLEGE COURSE DESCRIPTION:** Audio Production for radio, television and compact disc release utilizing the Pro Tools systems. This class will explore the audio production and editing process in the fields of music and radio production through lectures and demonstrations. The primary context will be the Pro Tools DAW (Digital Audio Workstation). The class will survey the features and operation of Pro Tools and will also undertake an editing and mixing project in the form of a radio spot. There will be one field trip to a recording studio.
B. **UNITS: 3**
C. **PRE-REQUISITES: NA**

D. **HIGH SCHOOL CLASS DESCRIPTION:** This competency-based course prepares students for entry-level positions as producer, recording engineer-technician, and/or recording studio musician. Integrated throughout the course are career preparation standards which include basic academic skills, communication, interpersonal skills, problem-solving, workplace safety, technology, and employment literacy. Students wanting to train as recording engineers receive hands-on training in the studio, gaining a working knowledge of the equipment. They will learn the process of recording—from live performance to CD. Students wanting to train as recording studio musicians will learn important aspects of becoming a "recording studio" musician. And do a minimum of ten live performances per year to help prepare for their recording experience.

E. REQUIRED CONTENT FOR ARTICULATION:

ROP Digital Recording Studio
Every class session begins with a critical listening exercise. Students analyze Music, Radio Ads, Audio books, etc.

Unit 1: The Nature of Sound, Sound Reinforcement

- Packet/videos on the basics of how sound works
- Packet on the components of a PA system and PA setup
- Lab: practice setting up various types of PA systems (Analog Mackie, Digital X32 with Ethernet connections, including subs, mains and monitors)
- Lab: In Class open Mic (Students will be required to setup and operate at least 1 lunchtime open mic PA system.)

Unit 2: Pro Tools Basics

- Ch. 1 Setting up Pro Tools
- Lab: Create a PT session, import audio tracks
- Ch. 2 Recording Audio in PT (audio tracks, regions and modes, monitor modes & playlists, rulers and click, samples vs ticks, importing audio, basic FX loops)
- Lab (Project 1): Record yourself telling a joke and import a laugh track
- Ch. 3 Deeper into recording audio (Levels, Sample rate/Bit depth, Buffer/latency, pref and templates)
- Guided Lab: Recording hand claps and whispers
- Ch. 4 Recording Midi (Midi basics, MIDI setups, MIDI for PT, MIDI and instrument tracks, Making MIDI loops

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and importing MIDI, MIDI editing, Virtual instruments)

- Video "Producing a Beat in Pro Tools" (PURE MIX.NET-Length 19:49)
- Guided Lab 1: Assign sounds to a MIDI sequence
- Guided Lab 2: Record a Midi Loop
- Lab (Project 2): Create a MIDI sequence using minimum of 4 Instrument tracks & virtual instruments
- Ch. 5 Editing Audio in PT (Non-destructive editing & playlists, edit modes and tools, fades/crossfades, nudging and comping, Audio editing concepts and techniques)
- Guided Lab 1: Editing Music for sports (Single Song)
- Guided Lab 2: Editing Music for sports (2 song combination)
- Lab (Project 3): Import James Lipton audio asking Pivot Questionnaire and edit in another interview's responses
- Ch. 6 Editing MIDI in PT (Editing MIDI tracks, Quantizing, Real-Time Properties, MIDI event list, exporting MIDI, Realistic MIDI
- Guided Lab 1: Import an audio file and various drum loops. Assign sounds to the loops and sync and sequence them to the audio file
- Guided Lab 2: Import an audio file and create drum loops. Assign sounds to the loops.

First Semester Final project:
Create an audio recording for a children's book. Include sound effects, music, and voiceover.

Unit 3: Pro Tools Preproduction/Production

- Ch. 7 Producers role in Preproduction (Working with artists, Planning, Songwriting and arranging concepts, Hiring help, Importance of rehearsals)
- Guided Lab 1: EQing a voice
- Lab 2: Create a fictitious phone message that shows a lazy un-motivated potential employer (*used for ROP programs resume and interviews presentation)
- Lab 3 (Project 4): Create a Public Service Announcement. Create script, acquire talent, rehearse, and produce the session
- Ch. 8 Engineers role in Preproduction (Studio Setup, Input list, Mic basics, Track assignments)
- Guided Lab 1: Tracking Drums
- Lab 2 (Project 5): Create a Mic input list/stage plot for a choir concert (research microphone types)
- Ch. 11 Producers role in Production (Types of sessions, Ins and outs of producing, interacting with artist/engineer, Vocal production)
- Ch 12 Recording (Duties of an engineer during a session, recording techniques for different instruments, troubleshooting, advance mic techniques
- Lab 1 (Project 6): Students take turns as producers and engineers to record various artists. Students create music projects to present to class.
- Ch. 7 Producers role in Preproduction (Working with artists, Planning, Songwriting and arranging concepts, Hiring help, Importance of rehearsals)

Unit 4: Pro Tools Postproduction/Mixing

- Ch. 15 Mixing in PT (Mix preparation, applying EQ, Using filters, Frequency tweaks for Vox)
- Guided Lab 1: Mixing vox with Aux sends reverbs
- Guided Lab 2: Mixing vox with reverbs and EQ
- Ch. 16 Mixing in PT Part 2 (Dynamic Processing, Delays and reverbs, evaluating the characteristics of a good mix, preparing mixes for mastering)
- Guided Lab 1: mix a full band
- Lab 2 (Project 7): Class Mix shootout. Mix a song recorded in class by professional musicians. Mixes are evaluated against each other in class anonymously.

Final Project: Create 3 Radio ads for local businesses.

- AD1: Voice only AD2: Voice and SFX
- AD3: Voice and original music/Jingle

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- Ads may be used by the local business. In years past, business have used our 30 second ads on KKIQ and KAT Country radio

1st Semester Final: Edit a Drum sequence and sync it to a dreamless audio file.
2nd Semester Final: Mix a jazz quartet featuring a male vocalist (Fly Me to the moon) Video tutorials on the Semester finals can be found at: https://www.youtube.com/channel/UCh0uHu3ZQaIXw19W8Wtx2Qg

Guest Lecturers and performers are invited throughout the year. Past lecturers have included: Frank Dorritie (performer, producer, arranger, educator and author), Alan Richardson (Monitor Engineer for Elton John), Mic Gillette (Musician and founding member of Tower of Power) and Eddie Caipo (FOH for Enrique Iglesias)

F. REQUIRED COMPETENCIES (PERFORMANCE OBJECTIVES) FOR ARTICULATION:

This competency-based course prepares the student for an entry-level position in a studio, assisting a recording engineer or working with a recording studio musician. Integrated throughout the course are career technical education standards which include basic academic skills, communication, career planning, technology, problem solving, safety, responsibility, ethics, teamwork, and technical knowledge.

G. METHODS FOR END OF COURSE ASSESSMENT:

- Credit by exam: Students must receive a grade of "B" or better on the final exam and LMC approval on the digital portfolio.

G. PROCEDURES AND/OR CRITERIA FOR COURSE ARTICULATION:

(all the following must be met)

1. Students **must apply** to Los Medanos College and register in **CATEMA** to receive credit recommendations by their high school teacher.
2. Students **must be recommended** for credit by their high school teacher in **CATEMA.** *Teachers recommend credit at their discretion.*
3. Students **must complete** the **ROP Digital Recording Studio** at **Heritage High School** with an overall grade of "B" or better.
   High schoolteachers will enter this grade in CATEMA.
4. Students **must earn** a "B" or better on the agreed upon college/high school final exam procedure.
   High school teachers will enter this exam grade in CATEMA.
5. Articulated college credit may only be recommended by the high school teacher and received by the student **within the academic year** in which it was earned.
6. Upon completion of the above, the student will receive on his/her LMC and CCCCD (California Community College District) transcript the units of credit for LMC's **RA-025 Basic Tracking Sessions** course.
7. College transcripts will reflect the **FINAL EXAM GRADE** earned and will be notated as *Credit by Exam.

H. TEXTBOOKS OR OTHER SUPPORTING MATERIALS

1. Producing in the Home Studio with ProTools, 3rd edition, David Franz, Berkelee Press 2008
2. PRO TOOLS 12.8 DAW (Digital Audio Workstation)
3. DIGITAL AUDIO LAB (17 STATIONS) Pro tools 12.4, Focusrite Scarlett interface, M-Audio 61 Key MIDI controllers, Industry standard Microphones, cables and headphones (Shure, Audio Technica, AKG, Rode, Sennheiser)

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COLLEGE SIGNATURES

A'kilah Moore
A'kilah Moore (May 9, 2024 12:06 PDT)

A'kilah Moore, Ed. D. Date
LMC Vice President of Instruction, Interim

Aprill Nogarr
Aprill Nogarr (May 9, 2024 04:08 PDT)

Aprill Nogarr Date
LMC Dean of Instruction

Richard Shiner
Richard Shiner (May 7, 2024 16:20 PDT)

Rick Shiner Date
LMC Recording Arts Department Chair

HIGH SCHOOL/ROP/DISTRICT SIGNATURES

Casey Lewis
Casey Lewis (Sep 3, 2024 07:45 PDT)

Casey Lewis Date
Principal, Heritage High School

Erik Faulkner
Erik Faulkner (Sep 3, 2024 13:03 PDT)

Erik Faulkner Date
LUHSD Associate Superintendent, Educational Services

Hilary H. Dito

Hilary Dito Date
CCCOE College & Career Readiness Director

LMarley
Leslie Marley (Sep 3, 2024 12:04 PDT)

Leslie Marley Date
CCCOE College & Career Readiness Coordinator

Juan Carreon
Juan Carreon (Sep 3, 2024 12:03 PDT)

Juan Carreon Date
HHS Faculty

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RA-025_HHS_ARTIC-Renewal_FA24-SP26

Final Audit Report 2024-09-03

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By:	Colleen Grim (cgrim490@email.4cd.edu)
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