

ARTICULATION AGREEMENT

DATE DRAFTED: December 14, 2020

VALID ACADEMIC YEARS: 2020-21 & 2021-22

LMC COURSE: RA-025 "Basic Tracking Sessions

HIGH SCHOOL COURSE: ROP Digital Recording Studio

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. 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 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 interviews 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
- 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)

E. 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.

F. 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:

1. Complete the ROP Digital Recording course at Heritage High School with a grade of “B” or better.
2. Receive a “B” or better on the agreed upon college/high school final exam procedure.
3. Be recommended for credit by the high school teacher.
4. Apply for admission at Los Medanos College.
5. Register for CATEMA for electronic recommendation of college credit **within the academic year in which credit 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 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

Natalie Hannum

Natalie Hannum (Dec 15, 2020 10:46 PST)

Natalie Hannum
LMC Vice President of Instruction

Date

Chialin Hsieh

Chialin Hsieh (Dec 14, 2020 14:24 PST)

Dr. Chialin Hsieh
LMC Sr. Dean, Planning & Institutional Effectiveness

Date

F. Dorritie

F. Dorritie (Dec 14, 2020 14:14 PST)

Frank Dorritie
LMC Recording Arts Department Chair

Date

HIGH SCHOOL/ROP/DISTRICT SIGNATURES

Carrie Wells

Carrie Wells (Dec 15, 2020 11:26 PST)

Carrie Wells
Principal, Heritage High School

Date

Erik Faulkner

Erik Faulkner (Dec 15, 2020 13:54 PST)

Erik Faulkner
District Associate Superintendent, Educational Services

Date

Dan Hanel

Dan Hanel (Dec 15, 2020 12:48 PST)

Dan Hanel
Principal, CCCOE ROP East County

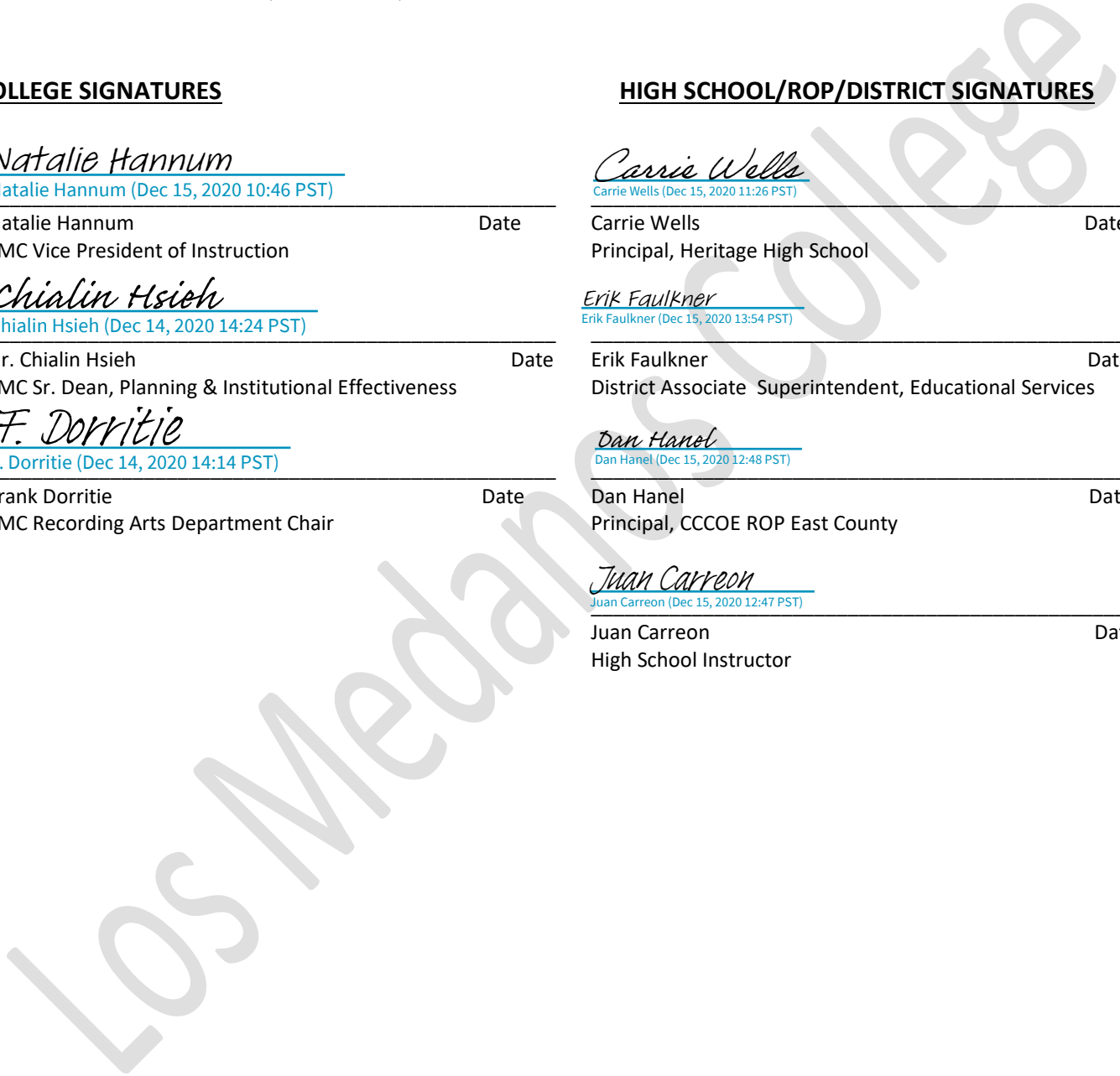
Date

Juan Carreon

Juan Carreon (Dec 15, 2020 12:47 PST)

Juan Carreon
High School Instructor

Date














HHS RA-025 2020-22 FINAL

Final Audit Report

2020-12-15

Created:	2020-12-14
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 Agreement completed.

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