FILM A197: PRO TOOLS CERTIFICATION

Item	Value
Curriculum Committee Approval Date	12/09/2020
Top Code	061220 - Film Production
Units	2 Total Units
Hours	54 Total Hours (Lecture Hours 27; Lab Hours 27)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

Explore the principles, theory, and mechanics of a digital audio workstation (DAW) Pro Tools. Emphasis will be on proficiency in Pro Tools culminating in the Avid Certified User: Pro Tools certification exam. Successful completion of this exam will give the student an Avid Certified User Pro Tools credential. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Formulate and implement Pro Tools concepts and principles, covering a strategy from organization to project mixdown and archiving.
2. Demonstrate proper use of software in line with industry standards.
3. Obtain technical proficiency within software to successfully complete certification exam.

Course Objectives

- 1. Creating sessions, recording and importing audio and MIDI.
- 2. Editing session media, navigating sessions and arranging media on tracks.
- 3. Use basic processing and mixing techniques to finalize a production
- 4. Accomplish common audio production tasks.
- 5. Analyze and interpret session file structures.
- 6. Create appropriate Pro Tools software and hardware settings.
- 7. Set up and modify input/output (I/O) settings.
- 8. Apply clip-based editing techniques to audio and MIDI tracks.
- 9. Incorporate automated mixing techniques into a Pro Tools workflow for selective during a session post-production tasks automation.

Lecture Content

The Pro Tools Digital Audio Workstation   Pro Tools History and Evolution Audio Basics: Waveform, Frequency, and Amplitude Converting Audio to Digital Format Pro Tools System Configurations Pro Tools Basic Controls Creating a Session Recording Audio Importing and Working with Media Mixing and Creating a Bounce Managing Session Data and Media Files

Working with MIDI Virtual Instruments Working with Avid Pro Tools Plug-Ins

Lab Content

Audio Processing MIDI Production Notation and Scores Mixing and Automation Audio for Video Post-Production Audio technical fundamentals Converting Audio to Digital Format, sample rate, bit depth, file size Pro Tools System Configurations Working with a Session and recording audio Working with effects Preparing for output by mixing and creating a Bounce Managing Session Data and Media Files

Method(s) of Instruction

- Lecture (02)
- Lab (04)

Reading Assignments

Lecture notes review and exam preparation (1 - 2 hours per week)   Various articles on the audio production processes (8 hours per semester)

Writing Assignments

Disscussion posts relating to specific topics (8 hours per semester)

Out-of-class Assignments

Students are assigned to screen selected works of audio production and analyze them. (1 - 2 hours a week) Project work and finishing of completed edits. (3 - 4 hours per week) Lecture notes review and exam preparation (1 hour per week)

Demonstration of Critical Thinking

Students will demonstrate critical thinking and problem solving through the creation of their audio projects, adjusting segments, rearranging tracks, determining a variety effects and mixing techniques.

Required Writing, Problem Solving, Skills Demonstration

Proficiency will be demonstrated by satisfactorily completing project assignments and passing the skills test as well as the final exam.

Eligible Disciplines

Broadcasting technology (film making/video, media production, radio/TV): Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Frank D. Cook. Pro Tools 101: Pro Tools Fundamentals I, 2019 ed. Avid Technology, 2019 2. Required Frank D. Cook. ProTools 110: Protools Fundamentals II, 2019 ed. Avid Technology, 2019