AUD 220 - DIGITAL AUDIO III

Course Description

Digital Audio III is the continuation of AUD 121, Digital Audio II. This course further explores MIDI and audio recording and editing in Logic and Pro Tools, and also delves into an exploration of software sound synthesizers and sampler instruments found in Digital Audio Workstations. Group 2 course.

Credit Hours

2

Contact Hours

2

Lecture Hours

2

Required Prerequisites

AUD 121 with a grade of 2.0 or higher.

Course Learning Outcomes

Knowledge:
- Demonstrate advanced recording and editing techniques using Pro Tools and Logic Pro X.
- Demonstrate music production and performance techniques using Ableton Live.
- Demonstrate pitch and time correction techniques using Melodyne.
- Demonstrate drum replacement techniques using Superior Drummer.
- Demonstrate basic facility using industry standard FX plugins, including iZotope, Waves, and Native Instruments.
- Demonstrate understanding of binary (base-2) numbering system and its application toward MIDI.
- Demonstrate advanced understanding of digital audio fundamentals, including Nyquist Theorem, bit quantization, and dither.

Application:
- Compare and Contrast different orchestration and compositional techniques needed for various instrumentations.
- Compose for various genres and instrumentations - rhythm section, string orchestra, woodwinds, and brass.

Integration:
- Create a final project and/or composition using a variety of orchestration and compositional techniques.

Human Dimension:
- See themselves as artists.
- Collaborate with others in a creative environment.
- Recognize the personal and societal importance of self-expression and creativity.

Caring - Civic Learning:
- Express interest in music from other cultures and genres.
- Value differences in cultural expressions of creativity.
- Recognize the role music plays as an expression of social concerns.

Learning How to Learn:
- Read study effectively.
- Frame useful questions.
- Develop educational goals.
- Direct/regulate their own learning.
- Learn through collaboration.