

AUD 240 - STUDIO RECORDING IV

Course Description

This advanced course offers an in-depth study of recording and mixing techniques used in professional audio production, covering topics like room acoustics, microphone techniques, Digital Audio Workstation (DAW) proficiency, and dynamic processing. Students will gain hands-on experience through exercises, projects, and real-world scenarios, with specialized modules on vocal production, instrumental arrangement, and mixing challenges. Blending theoretical lectures, workshops, industry guest sessions, and collaboration, the curriculum equips students to confidently approach complex audio projects, preparing them for careers in music production, sound engineering, and related fields within today's competitive industry. Group 2 course.

Credit Hours

2

Contact Hours

2

Lecture Hours

2

Required Prerequisites

AUD 210 with a final grade of 2.0 or higher

General Education Outcomes supported by this course

Communications - Direct, Critical Thinking - Direct, Quantitative Reasoning

Course Learning Outcomes

Knowledge:

- Identify advanced recording techniques and equipment, including microphone types and placements, preamps, and signal processors.
- Explain concepts of signal flow, gain staging, and routing in a professional studio setup.
- Understand the fundamentals of digital and analog recording, including sampling rates, bit depth, and the differences between digital and analog workflows.

Application:

- Set up and operate a professional recording session, including configuring equipment, establishing proper levels, and monitoring signal paths.
- Apply advanced microphone techniques to capture various instruments and vocal performances with optimal sound quality.
- Utilize studio equipment, such as compressors, equalizers, and effects processors, to enhance and shape recorded sounds in real time.

Integration:

- Integrate knowledge of acoustics, microphone techniques, and signal processing to achieve high-quality recordings across different music genres.

- Collaborate with musicians, producers, and engineers to manage all aspects of a studio session, from pre-production to final tracking.
- Synthesize creative and technical approaches to overcome challenges, such as bleed, distortion, and room reflections, for a balanced recording.

Human Dimension:

- Recognize and develop interpersonal skills necessary for creating a productive and positive environment in the recording studio.
- Reflect on personal strengths and areas for growth as a studio engineer, setting specific goals for improvement.
- Build confidence in directing and coaching musicians during recording sessions, enhancing their performances and comfort in the studio.

Caring - Civic Learning:

- Develop a commitment to professionalism, including reliability, preparation, and attention to detail, to uphold industry standards.
- Cultivate respect for the creative vision of artists and producers, aiming to bring out the best in each recording.
- Foster an appreciation for the role of studio recording in preserving and enhancing musical expression.

Learning How to Learn:

- Identify resources for ongoing skill development, such as workshops, tutorials, and industry literature, to stay current with studio recording trends and technologies.
- Develop a reflective practice of reviewing and analyzing past sessions to continuously refine recording and engineering techniques.
- Cultivate adaptability by experimenting with new equipment, setups, and recording methods to broaden technical expertise.