9168
SOUND ENGINEERING FOR
STUDIO PRODUCTIONS (11B)

30S/30E/30M

A Sound Engineering Course

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Course Description

Students will learn the knowledge and skills required to manage a studio recording session, including pre-production and editing.

Goal 1: Describe and apply appropriate **health and safety** practices.

GLO 1.1: Describe and apply appropriate **health and safety** practices.

SLO 11B.1.1.1 Create and maintain a safe and organized working environment.

SLO 11B.1.1.2 Give examples of workplace safety and health hazards related to sound engineering.

SLO 11B.1.1.3 Discuss sound pressure levels and their relationships to hearing loss.

SLO 11B.1.1.4 Use hearing protection as required.

SLO 11B.1.1.5 Demonstrate proper selection and use of a variety of personal protective equipment (PPE).

SLO 11B.1.1.6 Outline the safety principles for working on and around electrical and sound equipment.

SLO 11B.1.1.7 Outline workplace fire safety principles.

Goal 2: Demonstrate an understanding of **audio theory** and **music theory**.

GLO 2.1: Demonstrate an understanding of **audio theory**.

No applicable SLOs.

GLO 2.2: Demonstrate an understanding of **music theory**.

SLO 11B.2.2.1 Demonstrate the ability to communicate effectively with studio musicians.

Goal 3: Communicate by **making music**.

GLO 3.1: Communicate by **making music**.

SLO 11B.3.1.1 Play rhythms up to an eighth note.

GLO 3.2: Participate in a **musical performance.**

SLO 11B.3.2.1 Demonstrate the skills required to participate in a studio session.

Goal 4: Engineer studio sessions and live performances.

GLO 4.1: Demonstrate the identification, selection, and management of **musical instruments** and **recording equipment**.

SLO 11B.4.1.1 Identify, select, and manage musical instruments and recording equipment required in a specific studio production.

GLO 4.2: Perform **pre-production** sound engineering duties.

SLO 11B.4.2.1 Perform pre-production duties for a recording studio session.

SLO 11B.4.2.2 Participate in a sound check for a recording studio session.

SLO 11B.4.2.3 Manage audio files for a recording studio session.

GLO 4.3: Demonstrate **blocking** a live performance.

No applicable SLOs.

GLO 4.4: Engineer studio sessions and live performances.

SLO 11B.4.4.1 Demonstrate the skills required to engineer a two-track composition.

SLO 11B.4.4.2 Demonstrate the ability to adjust the mixer and audio levels, based on the studio performance, at an intermediate level.

GLO 4.5: Perform **post-production** sound engineering duties.

SLO 11B.4.5.1 Demonstrate the skills to edit, mix, and incorporate special effects (including reverb, EQ, delay, and compression) after a studio production, at an intermediate level.

SLO 11B.4.5.2 Demonstrate the ability to perform the mastering process for a studio production, at an intermediate level.

GLO 4.6: Demonstrate **striking** a live performance.

No applicable SLOs.

Goal 5: Describe and demonstrate the transferable **cross-curricular** knowledge and skills that are relevant to sound engineering.

GLO 5.1: Read, interpret, and communicate information that is relevant to sound engineering.

SLO 11B.5.1.1 Read, interpret, and communicate information found on equipment such as microphones, amplifiers, mixers, etc.

S:LO 11B.5.1.2 Read, interpret, and communicate information found in documents such as equipment owner's manuals.

GLO 5.2: Apply the knowledge and skills from **mathematics** that are relevant to sound engineering.

No applicable SLOs.

GLO 5.3: Apply the knowledge and skills from **the sciences** that are relevant to sound engineering.

No applicable SLOs.

GLO 5.4: Apply the knowledge and skills from **other subject areas** (e.g., information and communication technology, electronics, the arts) that are relevant to sound engineering.

SLO 11B.5.4.1 Demonstrate an understanding of the principles and fundamentals of software-driven music and audio applications.

SLO 11B.5.4.2 Use software-driven music and audio applications to engineer a studio production.

Goal 6: Demonstrate an awareness of **sustainability** as it pertains to sound engineering.

GLO 6.1: Describe the impact of **human sustainability** on the well-being of those employed in the music industry and their consumers.

No applicable SLOs.

Goal 7: Demonstrate an awareness of the **ethical and legal standards** as they pertain to sound engineering.

GLO 7.1: Demonstrate an awareness of the **ethical and legal standards** as they pertain to sound engineering.

SLO 11B.7.1.1 Discuss and define ethics.

Goal 8: Demonstrate **employability** skills.

    GLO 8.1: Demonstrate **fundamental employability skills**.

        SLO 11B.8.1.1   Demonstrate regular and punctual attendance.

        SLO 11B.8.1.2   Demonstrate the ability to communicate respectfully and effectively with teachers, supervisors, co-workers, and students.

        SLO 11B.8.1.3   Demonstrate accountability by taking responsibility for their actions.

        SLO 11B.8.1.4   Demonstrate adaptability, initiative, and effort.

        SLO 11B.8.1.5   Demonstrate teamwork skills.

        SLO 11B.8.1.6   Demonstrate the ability to stay on task and effectively use time in class and work environments.

        SLO 11B.8.1.7   Demonstrate the responsible use of wireless communication devices.

        SLO 11B.8.1.8   Demonstrate the ability to communicate effectively with studio musicians.

    GLO 8.2: Demonstrate an awareness of **cultural proficiency** and its importance in the workplace.

        SLO 11B.8.2.1   Discuss potentially sensitive or offensive music.

        SLO 11B.8.2.2   Discuss the place of music in various cultures.

        SLO 11B.8.2.3   Describe the role of traditional music in FNMI communities.

    GLO 8.3: Demonstrate **critical thinking skills**.

        SLO 11B.8.3.1   Demonstrate critical thinking skills in solving problems related to studio recording.

Goal 9: Demonstrate an understanding of the **industry**.

    GLO 9.1: Demonstrate an understanding of the **scope** of the music industry.

    No applicable SLOs.

    GLO 9.2: Demonstrate an understanding of the **educational and career opportunities**, as well as **industry associations**, in the sound engineering industry.

    No applicable SLOs.

GLO 9.3: Demonstrate an understanding of **working conditions** in sound engineering.

No applicable SLOs.

Goal 10: Demonstrate an awareness of the **evolution, technological progression**, and **emerging trends** in sound engineering.

GLO 10.1: Describe the **history, technological progression**, and **emerging trends** in sound engineering.

No applicable SLOs.