

MUSIC

TECHNICAL

PRODUCTION

INTRODUCTION

This Course will provide the students with a **practical introduction to recording processes including, mixing, editing and post-production. It will aid the students to** gain skills in recording studios and performance venues and get on track to a career in technical production. Also it will develop the necessary skills to record and produce music as well as live sound operation. The course will allow the students with the opportunity to participate in recording sessions and follow the production processes through to the completion of a demo recording. Moreover , it is intended to give the students the basic skills to begin an exciting **career in music sound production or for further study** and will provide them with more skills and may improve employment opportunities.

Theory

Total Marks: 50

MUSIC AESTHETICS**SECTION 1****1) Learning Objectives****a) BSBOHS201A Participate in OHS processes:**

Unit Descriptor, Elements and Performance Criteria Pre-Content, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

b) CUFIND201A Develop and apply creative arts industry knowledge:

Unit Descriptor, Elements and Performance Criteria Pre-Content, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

c) CUSMLT201A Develop and apply musical ideas and listening skills:

Unit Descriptor, Elements and Performance Criteria Pre-Content, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

2)**a) OHS and Music Industry:**

Introduction, Activity, Overview, Distribution, Role in music business, Song writers and the role of the publisher, Mechanical royalties, Performing royalties, New Technology, Music Industry-management, Music industry-the laws, promoting a band, Stickers, Banners, Business cards, Flyers and posters, Website\ Facebook\ Myspace, Merchandise Table, Emails, Utilize the internet, Developing an image for a band, putting on a gig, Secretes to success in the music industry

b) Studio Location:

Introduction, Fire safety, A historical world tour of music, Live performances, Introduction to musical styles, Broad categories of music—art music , popular music, traditional music, music genres,

Examining the styles of the blues, Characteristics of the blue form, Practicing the style of “The Blues”, Examining the style of “Ska and Reggae”, Rock steady, Reggae takes over, Reggae’s transformation, Music characteristics, Etymology, History of reggae, Music characteristics, Drums and other percussion, Bass, Guitars, Keyboards, Horns, Vocals, Lyrical themes, Criticism of dancehall and ragga lyrics, Subgenres, Early reggae, Roots Reggae, Dub, Rockers, Lovers rock, Newer Styles and spin-offs, Dancehalls, Raggamuffin, Reggaeton, Reggae Fusion, Reggae outside the Caribbean, Practicing the style of Ska/ Reggae, Examining the styles of the rock, Practicing the style of rock, Music Style—Metal, Heavy metal, History of Heavy Metal, Musical and Vocal Styles, Genres, Avant Grade Metal, Black Metal, Celtic Metal, Death Metal, Doom Metal, Gothic Metal, Grindcore, Hair Metal, Metalcore, New wave of British heavy metal (NWOBHM), Nu-metal, Power metal, Progressive metal, Thrash metal, The future of heavy metal, Practicing the style of Metal, Recording time.

3) Assignments:

- i. Assessment 1: a) Assignment 1: OHS Inspection
b) Assignment 2: OHS Fire and Fire Extinguishers
c) Assignment 3: OHS Hearing Protection
- ii. Assessment 2: Worksheet 1: Styles - The Blues
- iii. Assessment 3: Worksheet 2: Blues Song on Digital Recorder
- iv. Assessment 4: Activity Worksheet: Band Feedback
- v. Assessment 5: a) Worksheet 3: Part A: Styles Ska / Reggae
b)Worksheet 3: Part B: Styles Ska / Reggae
- vi. Assessment 6: Worksheet 4: Styles Rock
- vii. Assessment 7: Worksheet 5: Styles Metal
- viii. Assessment 8: a) Worksheet 6: Part A: Music Industry
b)Worksheet 6: Part B: History of Recording

SECTION 2

1) Learning Objectives

a) BSBWOR203A Work effectively with others :

Unit Descriptor, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

- b) CUSMLT202A Apply knowledge of music culture to music making:**
Unit Descriptor, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.
- c) CUSMPF201A Play or sing simple musical pieces:**
Unit Descriptor, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

2)

Music Culture:

Introduction, What is Music?, What is Culture? , Modern music, Examining music cultures around the world, Examining Australia's music culture, The future of Music Industry, Examining the musical instrument: Human voice, Examining the musical instruments: the guitar, Types of Guitars, Examining the musical instruments: the piano, Examining musical instruments – percussion, Examining musical instruments: Synthesizers-what is a Synthesizer, How a Synthesizer creates a sound, Signal generating and processing components, Modulation and control components, Oscillators, Common Synthesizer waveforms, Noise: **Pink/red, blue, white**, Reshaping waveforms, Filters, Types of filters, Cutoff frequency, Resonance, Drive, Filter Slope, Modulation, LFO Controls, LFO envelopes, Global controls, Introduction to music notation, time signatures, scales, Music theory-Chords and symbols, What is an ensemble.

3) Assignments:

- i. Assessment 1: Worksheet: Music Culture
- ii. Assessment 2: a) Worksheet: Digital Portable Recorders: Part A
b) Assessment 2: Worksheet: Digital Portable Recorders: Part B
- iii. Assessment 3: a) Direct Observation Checklist: Digital Portable Recorders
b)Assessment feedback form
- iv. Assessment 4: Worksheet: Instruments 1
- v. Assessment 5: Worksheet: Instruments 2
- vi. Assessment 6: a) Direct Observation Checklist: Ensemble Playing
b) Assessment 6: Direct Observation Checklist: Ensemble Playing
- viii. Assessment 7: a) Direct Observation Checklist:Studio Recording
b) Assessment Feedback form

1) Learning Objectives

a) CUESOU07B Apply a general knowledge of audio to work activities:

Unit Descriptor, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

b) ICAU2005B Operate computer hardware:

Unit Descriptor, Elements and Performance Criteria Pre-Content, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

2)

Laboratory Lesson Plans:

Introduction, Hardware/Software relationships, Introduction to DAW (Digital Audio Workstation), Introduction to Garage Band, Features of Garage Band, Recording audio into Garage Band, Practical time for Garage Band, Introduction to Apple logic, Using MIDI and MIDI editing in LOGIC, Recording audio into Logic, Features of Logic, Practical time for Logic, Introduction to mixing, Using mixing tools, Introduction to EQ, Introduction to Effects, Introduction to Dynamics.

3) Assignments:

- i) Assessment 1: Test 1: Computer Hardware
- ii) Assessment 2: Project 1: Garage Band
- iii) Assessment 3:
 - a) Assignment: Logic Basics
 - b) Assessment Feedback form
- iii) Assessment 4: Test 2: Mix Principals
- iv) Assessment 5:
 - a) Project 2: Mix
 - b) Project 2: Mix Marking Guide

SECTION 4

1) Learning Objectives

a) **BSBWOR203A Work effectively with others :**

Unit Descriptor, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

b) **CUSSOU201A Assist with sound recordings:**

Unit Descriptor, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

c) **CUETGE15B Handle physical elements during bump in bump out:**

Unit Descriptor, Elements and Performance Criteria, Required Skills and Knowledge, Range Statement.

2)

a) **Live Class Notes:**

Introduction : Employment in the Production Industry, Review OHS, Difference between FOH and monitor, Lifting techniques, Cable and Connectors, DI sources (keyboards acoustic GTRs, CD players), Amplifiers, Vocal Microphones: Gain before feedback and stage placement, PA Lesson.

b) **Studio Location:**

Digital recording, Types of digital recording, Introduction to the Zoom H2 portable recording device, Introduction to Boss 8 track digital recorders, External microphone recording with Boss 8 track portable digital recorders, Multiple microphone recording with Boss 8 track portable digital recorders, Expanding capability of Boss Digi 8 track using external mixer and multiple microphones, Introduction to signal flow in analogue consoles. Differences between in line and split consoles, Introduction to signal flow in audient console; single sound source, Multiple sound sources, Introduction to HD24, Recording from audient console Into to HD24, Multiple sound sources.

c) **Small PA Systems**

Introduction: home studio monitoring, live solo and duo acts, public announcing, Basic system equipments, Setting up equipments, Power on procedure.

d) **Medium PA Systems**

Medium size PA systems, Introduction:small bands, live solo and duo acts (medium sized venues), public announcing, Microphones, Mixing Console, Setting up equipment, Power on procedure, Level setting procedure, Occupational Health and Safety

3) Assignments:

- i. Assessment 1: Worksheet 1: Portable Digital Recorders Zoom H2
- ii. Assessment 2: a) OHS Observation Checklist: Safe Lifting
b) Assessment Feedback Form
- iii. Assessment 3: Worksheet 2: Portfolio Digital Recorders Boss 8 Track
- iv. Assessment 4: a) Observation Checklist: Zoom H2 and Boss 8 Track
b) Assessment Feedback form
- v. Assessment 5: System Setup
- vi. Assessment 6: Live Sound Recording
- vii. Assessment 7: a) Studio Basics
b) Assessment Feedback form

SUGGESTED LIST OF EQUIPMENTS

- Microphones – Newmen Condensor Microphones (at least Six)
- Audio Console 16 track Analogue/Digital
- Stand (Giraffe) (6)
- Computer with sound card and 2 GB Ram & 500 GB
- HDD Capable of running Audacity
- XLR Cables & Connectors
- Jack Connectors
- Studio speakers for Monitoring (2 L& R)

COURSE COMMITTEE MEMBERS

1. Sh. Rajiv Malik, AIR Programme Director.
2. Sh. Rakesh Kumar, Lok Sabha TV.
3. Ms. Punita Singh, Faculty, School of Convergence.
4. Sh. K.K. Tiwari, Faculty, Amity school