Syllabus for
MUS 245 – Live Worship Music Technology
2 credit hours
Spring 2024

I.   COURSE DESCRIPTION

An in-depth study of production concepts, equipment, software and techniques
associated with the musical needs of the contemporary worship platform and modern
music in general.
Lectures are contrasted with and supported by practical, hands-on application.

II.   COURSE GOALS

Student goals include a basic understanding of the Ableton Live software packages and
related skills necessary for successful live music production and performance.

III.   STUDENT LEARNING OUTCOMES FOR THIS COURSE
       Terminal Objectives

       A.   Identify various components of session and arrangement view on Ableton Live.
       B.   Understand advanced MIDI concept for music production.
       C.   Understand advanced audio concepts for music production.
       D.   Successfully plan out session for a worship service performance.

IV.   UNIVERSITY OUTCOMES
       This course aligns with the following University Outcomes as indicated on the last page

       A.   Spiritual Integrity
       B.   Personal Resilience
       C.   Intellectual Pursuit
       D.   Global Engagement
       E.   Bold Vision
       F.

V.   TEXTBOOKS AND OTHER LEARNING RESOURCES

       A.   Required Materials
              Textbooks.
              Ableton Live 11
              Trial

       B.   Optional Materials
              Textbooks
              Ableton Live 11
              Intro

VI.   POLICIES AND PROCEDURES

       A.   Department Policies and Procedures - See Music Student Handbook

       B.   Course Policies and Procedures
              1.   Evaluation Procedures

Quizzes	10%
Project 1	20%
Project 2	20%
Project 3	20%
Project 4	20%
Participation	10%
Total	100%

2. Other Policies and/or Procedures
Attendance: Students are required to email or text the instructor in advanced the reason for a class absence. 10 participation points will be deducted for every absence without advanced notification.

VII. COURSE CALENDAR

WEEK 1 – Semester Overview, Intro to Ableton Live, Session View, MIDI recording.

WEEK 2 – MIDI Capture, Overdubbing, MIDI Editor, Quantization, Pitch and Velocity.

WEEK 3 – MIDI Effects: Arpeggiator, Chord, Pitch, Scales, MIDI Effect Rack. (Quiz 1)

WEEK 4 –. MIDI instruments: Drum Rack, Impulse, Simpler. (Project 1)

WEEK 5 – Recording Audio, Punch-In Record, Editing Clips, Fades.

WEEK 6 – Audio Effect Racks, Instrument Racks, Drum Racks Macros.

WEEK 7 – Scene, Clip and Audio Automation. (Quiz 2)

WEEK 8 – Midterm week. (Project 2)

WEEK 9 – Spring Break.

WEEK 10 – Synthesizers: Analog, Operator, Wavetable.

WEEK 11 – Switching between views, Worship Pads, Multitrack and Worship Resources.

WEEK 12 – Good Friday.

WEEK 13 – Warping, Click Track, Key Changes, Custom Mixes. (Project 3)

WEEK 14 – Creating Session for Worship performances, MIDI and Keyboard triggers.

WEEK 15 – Review and preparation for the final project.

WEEK 16 – Final Project.

Program Outcome Alignment: MUSIC PRODUCTION

This program contributes to the University outcomes as indicated below:
Significant Contribution – Addresses the outcome directly and includes targeted assessment.
Moderate Contribution – Addresses the outcome directly or indirectly and includes some assessment.
Minimal Contribution – Addresses the outcome indirectly and includes little or no assessment.
No Contribution – Does not address the outcome.

Program Outcome alignment with University Outcomes		Significant	Moderate	Minimal	None
Spiritual Integrity					
Outcome 1	Students will apply a Biblical and Christian Worldview when creating, performing, teaching, worshiping, and analyzing a variety of styles of music.		X		
Personal Resilience					
Outcome 2	Students will demonstrate active engagement and self-motivation in the preparation for recitals, classroom teaching, worship sets, research, audio projects, and presentations in music.	X			
Intellectual Pursuit					
Outcome 3 NASM 8.B.2.a-b	Students will develop the technical performance skills for artistic expression in at least one major performance area at a level appropriate for the major or concentration.	X			
Outcome 4 NASM 8.B.1.c	Students will develop ability to create and write music using a digital audio interface.		X		
Outcome 5 NASM 8.B.2.a	Students will develop aural skills to identify intervals, melodic structures, chord qualities, and harmonic progressions.		X		
Outcome 6 NASM 8.B.2.a	Students will demonstrate an understanding of the theory, harmonic progressions, and forms of a variety of styles of music when studying, listening, performing, and teaching music.		X		
Outcome 7	Students will record and engineer a final mix of a music composition or arrangement for distribution or presentation.		X		
Global Engagement					
Outcome 8	Students will engage and analyze music from a wide variety of musical periods including Western and non-Western musical traditions (and worship).	X			
Bold Vision					
Outcome 9 NASM 8.B.1.f	Students will demonstrate vision, leadership, and artistry **in performance** through expression in phrasing, dynamics, articulations, and accepted practice for musical works in a variety of settings including the stage, classroom, therapeutic settings, and worship services.		X		