

Syllabus for
MUS 106—Intermediate Music Production
1 Credit hour
Spring 2024

I. COURSE DESCRIPTION

A survey of concepts, equipment, software, and techniques associated with the contemporary music recording studio. Includes basic aspects of digital audio editing, music notation software and Digital Audio Workstation (DAW) software, including traditional MIDI. The course also covers the basics of working with microphones, audio speakers and mixing consoles.

Lab Fee: \$55

II. STUDENT LEARNING OUTCOMES FOR THIS COURSE

A. Terminal Objectives

As a result of successfully completing this course, the student will be able to demonstrate the following:

1. Converse intelligently on music production by possessing basic vocabulary associated with recent and legacy technologies.
2. Discuss how technology is impacting the careers of people in the music industry.
3. Be able to produce music and market it using social media.

B. Unit Objectives

As a result of successfully completing each unit, the student will be able to do the following:

1. Unit I: Overview, History, Computer Music Notation
Demonstrate an understanding and the skills involved with basic computer sheet music notation
2. Unit II: Digital Audio Editing Basics
Demonstrate an understanding and the skills involved with basic digital audio editing
3. Unit III: Continued Digital Audio Editing, Recording Basics
Demonstrate an understanding and the skills involved with basic digital audio recording
4. Unit IV: Audio Workstation Basics
Demonstrate an understanding and the skills involved with basic audio workstation operation, including the combination of MIDI and digital audio technologies

A record of the personal project and the results of the evaluation OR professional product created while acting as producer, first, or second engineer.

C. Objectives for Students in Teacher Preparation Programs

The Teacher Preparation Program meets the competency-based requirements established by the Oklahoma Commission on Teacher Preparation. This course meets the following competencies: General Competency #6 and Subject Competency #18 Instrumental/General and #19 Vocal/General

This course is designed to help students meet subject competencies:

1. how to recognize, describe, and apply technological developments that affect personal interests in music. (Gen. Comp. 6)
2. ways that recent technology is changing the way music is composed, performed, and stored. (Gen. Comp. 6, Subj. Comp. 18 & 19)
3. where and how to find answers to specific problems that can be solved by the efficient use of technological tools. (Gen. Comp. 6)
4. how to design and operate a basic MIDI studio that will allow the musician to apply technology to specific needs and problems. (Gen. Comp. 6, Subj. Comp. 18)
5. the technical information to produce original music via technology. (Gen. Comp. 6, Subj. Comp. 18 & 19)
6. to integrate most components found in music production systems that allow the flow of data for storage and editing. (Gen. Comp. 6)
7. basic vocabulary associated with recent technology. (Gen. Comp. 6)
8. how to use music files downloaded from internet music pages. (Gen. Comp. 6, Subj. Comp. 18 & 19)
9. basic uses and specific designs for audio recording and sound reinforcement. (Subj. Comp. 18 & 19)
10. -The Teacher Candidate will be able to demonstrate the following:
 - a. successfully completed written exams about various aspects of music technology. (Gen. and Subj. Comp.)
 - b. work with equipment and the concepts involved doing lab assignments. (Gen. and Subj. Comp.)
 - c. produce a final project involving some personal manipulation of the elements of music technology. Evaluation will be made by the instructor, with self-evaluation by the Teacher Candidate. (Gen. and Subj. Comp.)
11. Required/Recommended WPA artifact(s) include the following:

III. ASSOCIATED PROGRAM

This course meets degree completion requirements for the following program: Music Production.

- A. The student will demonstrate the ability to successfully use modern Digital Audio Workstation (DAW) software to assemble and complete professional music recordings.
- B. The student will successfully apply an understanding of concepts and techniques that can be applied within various DAW software platforms.
- C. The student will be able to discuss the state of contemporary music production and the field of live sound.
- D. The student will demonstrate proficiency on at least one primary instrument.

- E. The student will demonstrate the ability to assemble and successfully operate a live sound system for a public event.
- F. Student will be able to navigate Digital Audio Workstations (DAWs) such as Logic, ProTools, & Ableton within music and audio recording situations.
- G. Student will demonstrate working knowledge of acoustics, microphone placement in recording & live situations for a variety of instruments.
- H. Student will be able to follow the signal flow of a live sound mixer station.
- J. Student will be able to demonstrate how to produce music and market it, using social media.

IV. UNIVERSITY OUTCOMES

This course aligns with the following University Outcomes indicated on the last page

Spiritual Integrity
 Personal Resilience
 Intellectual Pursuit
 Global Engagement
 Bold Vision

V. **Required Materials**

1. Textbooks
 - Apple Pro Training Series, Logic Pro, Professional Music Production, By David Nahmani
 - An Introduction to Music Technology 2nd Edition, By Dan Hosken
 - Social Media Promotion for Musicians, 3rd, Edition, By Bobby Owsinski
2. **Other**
 - A personal USB thumb drive (minimum 2G capacity)
 - Headphones with Quarter inch jack or adaptor
 - Artists Social Media accounts
 - Distrokid account
 - Macbook with Logic Pro
 - Midi Keyboard (Nektar Impact GX 61)
 - Audio Interface (Focusrite Scarlett 2i2 3rd Gen USB Audio Interface)

POLICIES AND PROCEDURES

- A. University Policies and Procedures
 1. Students taking a late exam because of an unauthorized absence are charged a late exam fee.
 2. Students and faculty at Oral Roberts University must adhere to all laws addressing the ethical use of others' materials, whether it is in the form of print, electronic, video, multimedia, or computer software. Plagiarism and other forms of cheating involve both lying and stealing and are violations of ORU's Honor Code: "I will not cheat or plagiarize; I will do my own academic work and will not inappropriately collaborate with other students on assignments." Plagiarism is usually defined as copying someone else's

ideas, words, or sentence structure and submitting them as one's own. Other forms of academic dishonesty include (but are not limited to) the following:

- a. Submitting another's work as one's own or colluding with someone else and submitting that work as though it were his or hers;
- b. Failing to meet group assignment or project requirements while claiming to have done so;
- c. Failing to cite sources used in a paper;
- d. Creating results for experiments, observations, interviews, or projects that were not done;
- e. Receiving or giving unauthorized help on assignments.

By submitting an assignment in any form, the student gives permission for the assignment to be checked for plagiarism, either by submitting the work for electronic verification or by other means. Penalties for any of the above infractions may result in disciplinary action including failing the assignment or failing the course or expulsion from the University, as determined by department and University guidelines.

3. Final exams cannot be given before their scheduled times. Students need to check the final exam schedule before planning return flights or other events at the end of the semester.
4. Students are to be in compliance with university, school, and departmental policies regarding Whole Person Assessment requirements. Students should consult the WPA handbooks for requirements regarding general education and the students' majors.
 - a. The penalty for not submitting electronically or for incorrectly submitting an artifact is a zero for that assignment.
 - b. By submitting an assignment, the student gives permission for the assignment to be assessed electronically
5. All students are required to attend the Music Production and Worship lab performances held on campus. This is a part of their attendance grade.
6. Final Project will be used as your addition to the Music Production Program
7. Students more than two minutes late to class will be counted as absent.

B. Department Policies and Procedures-See Music Student Handbook

C. Course Policies and Procedures

1. Evaluation Procedures
 - a. Evaluation/Assessment of Competencies
 - Attendance 20%
 - Quizzes 20%
 - Projects 20%
 - Mid-terms 20%
 - Final 20%
 - b. Grading scale
 - 90% = A
 - 80% = B
 - 70% = C
 - 60% = D
 - Below 60% = F

2. Whole Person Assessment Requirements
Artistic participation, including singing, drawing, lyric writing, playing instruments, and music writing, will be required from students. Students will be asked to learn the logistics of musical and technological equipment. Students may need to store, move, and set up instruments, audio equipment, and musical equipment.
3. Other Policies and/or Procedures
 - a. Makeup Exams: If any scheduled exam/practicum is missed for any reason, it cannot be made up unless the instructor is notified in advance. Emergencies are the only exception to this rule and will be handled as excused absences. Makeup exams may be oral in nature and may be more detailed than the original exam.
 - b. Late Assignments: Late work is not accepted unless approved by the instructor. A grade deduction may be given to approved late work. There are no make-up examinations unless approved in advance by the instructor.
 - c. Office Hours and Lab Help: The professor will be available for consultation during regular office hours. The instructors' email will also be available for students to schedule class help. Lab attendants will be available to assist students in the evenings. Neither the professor nor the lab attendants should be considered tutors and will not teach material covered in missed class lectures.
 - d. Technological literacy is one expectation of this course. Students will be encouraged to use such technology as microphones, personal computers, musical keyboards, non-linear recording software and plugins, and digital audio interfaces. A general understanding of computers and file storage is expected.
 - e. Please refrain from distractions from electronic devices, including phones, apps, and websites. Please be respectful to all staff, faculty, classmates, guests, equipment, and facilities. Please do not bring food into the classroom. The instructor reserves the right to ask anyone to leave the classroom for inappropriate or distracting behavior.
 - f. Students will be required to use social media to market their own music and will be shown how to produce their music for disruption.

COURSE CALENDAR

Week 1

Introduction to course
Go over D2L and syllabi
A brief history of music production: Barrel Organ, First Music producer, Start of digital
View Cables and learn their functions: XLR, Quarter Inch, 16th Inch, 3.5mm
Demonstrate how to Connect Mics/Instruments to a soundboard
Discuss parts of a mixing board
Discuss/Demonstrate what is gain
Discuss/Demonstrate Vocal/Instrumental Mics
Discuss/Demonstrate Condenser Mics and phantom power
Video Lesson on Live Sound (1)
Outside of class, watch the Video on how to read Treble clef music
Assignment: Week 1 Quiz
Assignment: Treble Clef Reading Quiz W/video

Week 2

Discuss Musical Instrument Digital Interface (MIDI) and how it is used
Discuss: Hertz (Hz) and the audible frequency range for the human ear
Discuss/Demonstrate how to connect and use an audio interface to a computer
Discuss/Demonstrate how to connect and use a digital keyboard to a computer
Introduce how to mic drums, guitars, keyboards
Video Lesson on Live sound (2)
Outside of class, watch the Video on treble clef piano keyboard
Discuss how to use social media for marketing your music
Assignment: Social Media assignment 1
Assignment: Week 2 Quiz
Assignment: Keyboard Treble Clef Quiz

Week 3

Introduce project #1
Discuss/Demonstrate how to connect microphones and instruments to an audio interface.
Discuss/Demonstrate mic types of microphones and mic placement
Discuss/Demonstrate polar patterns and gain staging
Discuss/Demonstrate EQ (High, Mid, Low), and compression basics
Discuss what decibels (DB) mean in music
Video on Lesson on Live sound (3)
Outside of class, watch the Video on how to read Bass clef music
Discuss how to use social media for marketing your music
Assignment: Social Media assignment 2
Assignment: Week 3 Quiz
Assignment: Bass Clef Reading Quiz

Week 4

Brief Review project #1 instructions
Discuss/Demonstrate how to mic drums
Discuss/Demonstrate how to mic drum sets up with 1 to 8 microphones
Discuss/Demonstrate how to set up drum condenser mics and their Polar patterns
Discuss/Demonstrate how to eq and compression of drum mic setup
Discuss: Electronic Dance Music (EDM) and Electronic Body Music (EBM)
Video on Lesson on Live sound (4)

Outside of class, watch the Video on Bass clef piano keyboard

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 3

Assignment: Week 4 Quiz How to record drums Quiz

Assignment: Keyboard bass clef quiz and Project

Week 5

Brief Review project #1 instructions

Discuss/Demonstrate wave patterns: Triangle, Sawtooth, and Square

Discuss/Demonstrate: Timbre, overtone series, the fundamental pitch

Introduce Digital Audio Workstation (DAW)

Discuss/Demonstrate how to start Logic Pro

Discuss/Demonstrate how to add a track, software instrument, audio, drummer, guitar

How to save Logic Pro work to your email

Logic Pro Video Lesson 1

Outside of class, watch the Video on Major Key and Minor Key Signatures

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 4

Assignment: Week 5 Quiz

Assignment: Major Key Signature quiz

Assignment: Rough Draft of Project #1 Due

Week 6

Brief Review project #1 instructions

Continue working with Logic Pro

Discuss/Demonstrate Logic Pro shortcut commands

Discuss/Demonstrate Logic Pro Audio Output and Inspector

Discuss/Demonstrate Create a song form in Logic Pro

How to work the Key Signature, tempo, and animations in Logic

Logic Pro Video lesson 2

Discuss/demonstrate Loop Browser and its search bar

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 5

Assignment: Week 6 Quiz

Assignment: Minor Key Signature Quiz

Assignment: Rough Draft of Project #2 Due

Week 7

Brief Review project #1 instructions

Continue working in Logic Pro

Discuss/Demonstrate: Record, EQ, Mixer

Discuss/Demonstrate: Editors (E), Piano Roll, Score, Step Sequencer, Smart Tempo

Discuss/Demonstrate: Quantize Strength, Swing, Scale Quantize, Velocity

Review Animation in Logic Pro

Logic Pro Video lesson 3

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 6

Assignment: Project #1 Due

Assignment: Mid-Term Exam

Week 8

Brief Review project #1 instructions

Continue working in Logic Pro

Discuss/Demonstrate: Show Hide Global Tracks (G)

Discuss/Demonstrate: Flex Pitch and how to record vocals

Logic Pro Video lesson 4

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 7

Assignment: Final Project Outline Due

Assignment: Logic Pro Flex Pitch Quiz with Video

Week 9

Introduce Project #2 (Final Project)

Review how to record vocals in Logic Pro

Review how to use Flex Pitch in Logic Pro

Peer review classmates' projects in class

Form groups to record for the Final project

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 8

Assignment: Final Project Instrumentation due

Week 10

Brief Review project #2 instructions

Continue working in Logic Pro

Discuss/Demonstrate the Pythagorean comma

Discuss/Demonstrate Just and Equal Temperament

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 9

Assignment: Final Project Vocals due

Week 11

Brief Review project #2 instructions

Continue working in Logic Pro

Discuss The Threshold of Pain, DB, and the eight parts of the inner ear

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 10

Assignment: Final Project Rough Draft 2 due and peer review sheet

Week 12

Brief Review project #2 instructions

Continue working in Logic Pro

Discuss how to use social media for marketing your music

Assignment: Social Media assignment 11

Assignment: Present Projects in Class and give peer review

Week 13

Assignment: Project #2 due (AKA) Final Project

Assignment: Present Projects in Class and give peer review

Week 14

Student Opinion Surveys

Review Final Exam

Assignment: Present Projects in Class and give peer review

Week 15

Final Exam

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 read at sight with fluency in their major performance area relevant to professional standards for the music program. | 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 NASM 8.B.4 | Students will acquire and develop the basic knowledge of music history and repertoire through the present time for a variety Western music cultures and styles. | | X | | |
| Outcome 10 | Students will record and engineer a final mix of a musical 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 or planning through expression in phrasing, dynamics, articulations, and accepted practice for musical works in a variety of | X | | | |

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| | settings including the stage, classroom, therapeutic settings, and worship services. | | | | |
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