

COURSE: MU213 D Music Technology
CREDIT: 3 Semester Hours
SEMESTER: Fall 2022; Cycle 2
DAY/TIME/LOCATION: Fridays from 11 to 2pm
INSTRUCTOR: Jeremy Schell jeremy.schell@calvary.edu

I. DESCRIPTION

A practical, functional, and introductory study of music software, hardware, and media in music, including uses in traditional and contemporary music and worship, and music teaching settings. Includes basic instruction in music writing programs. This course includes class and lab instruction. This course fulfills the general education computer requirement for music major / minors. (Fee: \$30)

II. OBJECTIVES

A. General competencies to be achieved. The student will:

1. Function more effectively in a music related career by being able to efficiently communicate musical ideas.
 - a. PLO 3
 - b. Assignment: All apply
2. Develop basic skills for working with music and music notation at the computer.
 - a. PLO 3
 - b. Assignment: A: iv
3. Explore sound editing software and hardware and its related uses.
 - a. PLO 3
 - b. Assignment: A: I; B: ii; B: iii
4. Properly operate sound reinforcement and recording equipment.
 - a. PLO 3
 - b. Assignment: A: i, v, vi
5. Explore the standard music software and hardware currently in use in churches and schools.
 - a. PLO 3
 - b. Assignment: : iv

B. Specific competencies to be achieved. The student will:

1. Adequately exhibit functional use of a music writing software program.

- a. PLO 3
 - b. Assignment: A: iv
- 2. Articulate uses of software and hardware for music, music teaching and other applications.
 - a. PLO 3
 - b. Assignment: A: i, ii, iii, B: all
- 3. Adequately exhibit functional use of a sound editor, sound board, microphones, and digital recorders.
 - a. PLO 3
 - b. Assignment: A: I, B: iii
- 4. Articulate a basic understanding of terminology related to music technology and equipment.
 - a. PLO 3
 - b. Assignment: All assignments
- 5. Understand, articulate and show uses of technology to support student development of musical understanding.
 - a. PLO 3
 - b. Assignment: All assignments
- 6. Show uses of computer and other music-related technologies to enhance the learning environment.
 - a. PLO 3
 - b. Assignment: All assignments

III. REQUIREMENTS

- A. Assignments & Quizzes: Complete the assignments from assigned readings, software, and instructor in a timely manner as specified by the instructor.
 - i. Run the soundboard for one rehearsal and one chapel service
 - ii. Run the lighting console for one rehearsal and one chapel service
 - iii. Run lyrics for one rehearsal and one chapel service
 - iv. Create two lead sheets
 - v. Pass proficiency exams on Audio, Lighting, & Media Design
 - vi. Complete two observations regarding the use of technology in local churches
- B. Text: Complete assigned readings in the textbook
 - i. Week 1: Chapter 1 – “Free Versus Captured Sound”
 - ii. Week 2: Chapter 2 – “Captured Sound” – pages 55-105
 - iii. Week 7: “Computer Based Audio” through “Studio Monitors” sections
- C. Projects: Complete the assigned projects using information from class lectures, software and assigned readings.
- D. Time:
 - 1. The student should expect to spend a minimum of one hour per week in the computer lab applying concepts from class discussions and assigned readings, in addition to time running sound in chapel and praise band.

2. The student should expect to spend some time running sound, lights, and or media for Calvary events designated by the professor. Students may be permitted to run events at their churches at the discretion of the
3. Additional time should be spent on reading, research and projects.

IV. METHODS

- A. In-class methods will include discussion, explanation, and illustration. Student will attend MU211 Electronic Media for Musicians 100 minutes per week.
- B. Out-of-class methods will include personal work at the computer, reading, practice, research, and completion of assignments and projects.

V. MATERIALS

- A. *Audio Fundamentals*. \$39.99
Alfred Publishing, 2012. ISBN: 978-0-7390-6647-8
- B. The Holy Bible.

VI. GRADING

Class discussion	25%
Music Lab assignments	25%
Final Exam	10%
Completion of projects	<u>40%</u>
Total: 100%	

VII. TENTITIVE CLASS SCHEDULE – Class/Lab schedule

A. Class Schedule

- a. Fridays from 11 am to 1pm
 - Week 1: Audio
 - Week 2: Audio
 - Week 3: Audio
 - Week 4: Lighting
 - Week 5: Lighting
 - Week 6: Media Design
 - Week 7: Media & Recording
 - Week 8: Recording Design

B. In-Class Lab

- a. Fridays from **1pm to 2pm** with the Praise Band
- b. Set individual times to work in the music lab with software

C. Classroom – The student will meet every week with the instructor in the classroom to discuss music technology materials & applications from the texts.

VIII. OTHER IMPORTANT INFORMATION

- The Bible is a required textbook in every course at Calvary University. To facilitate academic level study, students are required to use for assignments and research an

English translation or version of the Bible based on formal equivalence (*meaning that the translation is generally word-for-word from the original languages*), including any of the following: New American Standard (NASB, English Standard Version (ESV), New King James (NKJV), or King James (KJV). Other translations and versions based on dynamic equivalence (*paraphrases, and thought-for-thought translations like NLT and NIV*) may be used as supplemental sources. Please ask the professor if you have questions about a particular translation or version.

- Students with disabilities have the responsibility of informing the Accommodations Support Coordinator (aso@calvary.edu) of any disabling condition that may require support.
- *Plagiarism is defined as copying any part of a book or paper without identifying the author. This also includes taking another person’s ideas and presenting them as your own.*
- The Clark Academic Center (learning@calvary.edu) is dedicated to providing free academic assistance for Calvary University students. Student tutors aid with all facets of the writing process, tutor in various subject areas, prepare students for exams and facilitate tests. Please take advantage of this service.
- All class papers must follow the Turabian style according to *A Manual for Writers of Research Papers, Theses, and Dissertations*, 8th edition and the Calvary Style Guide, 2019 update.
- Grading Scale: See grading scale in the university catalog.

Carnegie Unit

Assignments	Hours	Assigned
“Seat Time” in class	24	24
Reading	20	300 pages
Chapel Tech	24	
Observations	6	Two observations at 3 hours a piece
Music Lab Assignment	16	
Homework & Writing	30	
Final Prep	15	
Total	135	