

COURSE: MU213D Music Technology  
CREDIT: 3 Semester Hours  
SEMESTER: Spring 2025/ Session 2  
DAY/TIME/LOCATION: Friday from 2:30-5:30 PM/ CHAPEL  
INSTRUCTOR: Ashley Maxwell  
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## 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.

## 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: iii; P: ii
3. Explore sound editing software and hardware and its related uses.
  - a. PLO 3
  - b. Assignment: A: i, ii; B: i, ii; C: i
4. Properly operate sound reinforcement
  - a. PLO 3
  - b. Assignment: A: i, iv
5. Explore the standard music software and hardware currently in use in churches.
  - a. PLO 3
  - b. Assignment: C: i

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: iii; C: ii
2. Articulate uses of software and hardware for music, music teaching and other applications.
  - a. PLO 3
  - b. Assignment: A: i, iv; B: all; C: i
3. Adequately exhibit functional use of a sound editor, sound board, microphones.
  - a. PLO 3
  - b. Assignment: A: i; C all
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 lyrics for one rehearsal and one chapel service.
  - iii. Create two lead sheets
  - iv. Pass proficiency exams on Audio, Lighting, & Media Design
- B. Text: Complete assigned readings in the textbook
  - i. Week 1: Free Versus Captured Sound
  - ii. Week 2: Captured Sound
  - iii. Week 3: [10 Tips to Advance Worship Media](#) and [8 Ways to Improve Worship PowerPoints](#)
  - iv. Week 4: [Stage Lighting 101](#)
- C. Projects:
  - i. Visit 1 church and write a 2-page paper on their sound, lighting, and media equipment.
  - ii. The students will create a mock-up Sunday Service for two different churches. The student will be given the theme of that week, the songs, the instruments, and vocalists leading worship that day. They will be tasked

with adding scripture, creating a lighting plan, adequately describing what sound equipment will be needed, creating an order of service, creating slides for each service, and troubleshooting any problems that would arise (given by the professor).

D. Time: The student should expect to spend 1 hour of class time, one Praise Band Practice, and one chapel in the music lab applying concepts from class discussions and assigned readings.

#### IV. METHODS

- A. In-class methods will include discussion, explanation, and illustration.
- 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 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 1-4 pm
    - Week 1: Syllabi/Audio
    - Week 2: Audio
    - Week 3: Media Design
    - Week 4: Lighting
    - Week 5: TBA
    - Week 6: TBA
    - Week 7: TBA
    - Week 8: Final Exam, Present Final Projects, turn in Papers.
- B. Music Lab
  - a. 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](mailto:aso@calvary.edu)) of any disabling condition that may require support.
- Plagiarism is defined as copying any content without identifying the source. This also includes taking another person's or AI entity's ideas or constructs and presenting them as your own. Plagiarism of any kind will not be tolerated. Most assignments at Calvary require the student to produce original work. Therefore, unless specifically permitted by the instructor, the use of AI-generated content is prohibited (even if cited) as it does not represent original work created by the student and is an unreliable aggregate of ideas from other sources. AI, however, may be utilized in cases where the instructor has explicitly permitted its use to accomplish specific tasks. It is only in these cases that AI-generated (or modified) content may be submitted by the student. If there are any questions as to the permissibility of AI use for an assignment, please ask your instructor for clarification.
- The Clark Academic Center ([learning@calvary.edu](mailto: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.
  1. Grading Scale: See grading scale in the university catalog.

Carnegie Unit

Assignments	Hours	Assigned
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“Seat Time” in class	24	24
Reading	20	300 pages
Chapel Tech	24	
Observations	6	3 observations at 2 hours a piece
Music Lab Assignment	16	
Homework & Writing	30	
Final Prep	15	
Total	135	