MUWM5304 Technologies for Worship Ministries
New Orleans Baptist Theological Seminary
Division of Church Music
Spring 2020 Hybrid
Hybrid Meeting Time and Dates: Friday, 1-5 PM;
1/24, 2/28, 3/27, 5/1

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MISSION STATEMENT
New Orleans Baptist Theological Seminary and Leavell College prepare servants to walk with Christ, proclaim His truth, and fulfill His mission.

CHURCH MUSIC MINISTRIES DIVISION VISION STATEMENT
Developing excellence in Kingdom-minded music and worship leaders

CORE VALUE FOCUS
2019-2020 Academic Year Emphasis: Spiritual Vitality
We are a worshiping community emphasizing both personal spirituality and gathering together as a Seminary family for the praise and adoration of God and instruction in His Word.

- This course is particularly focused on the following core values: servant leadership and characteristic excellence

COURSE COMPETENCIES
This course is particularly focused on the following curriculum competencies:
- *Servant Leadership* - Students will reflect on their role as servant leaders in facilitating worship in local congregations
- *Interpersonal Skills* - Students will explore and more clearly define the role and tasks of the minister of music position, thus improving communication abilities with church staff, church musicians, and the congregation
- *Worship Leadership* - Students will be challenged in learning to facilitate worship leadership more effectively through structure and organization within the local church

COURSE DESCRIPTION:

This course is designed to give students an overview of recent trends in current and emerging technology as related to church music and worship applications. Areas of investigation can include computer software programs dealing with musical notation, sequencing, and recording, as well as multimedia presentation and church music administration software. Additionally, students will research the technology and maintenance of sound systems, sound system components, lighting, video projection systems, and traditional keyboard instruments. Architecture and acoustics are also addressed in this class.

Student Learning Outcomes:

1. The student will acquire knowledge of available music software, video presentation software, and technology used in the church.
2. The student will become sensitive to the impact of visual/video worship presentations on a congregation.
3. The student will become familiar with music ministry administration tools.
4. The student will understand the importance of the role of technology in current church settings and future scenarios.
5. The student will be able to differentiate between church website designs that draw people to a church and those that are not culturally sensitive.
6. The student will organize all professor and student information shared in the class into a google drive folder.
7. The student will grow to appreciate the ever-changing nature of working with technology and embrace that portion of technology that can enhance the Christians corporate worship experience.

COURSE REQUIREMENTS:

a) Students will be required to logon to **Blackboard** (BB) on the NOBTS website for the course syllabus, documents, grading, and announcements.

b) Students will receive weekly reading/video/resource assignments through BB. These assignments in a given week may include research inquiries (e.g., the Journal of Research in Music Education), video recordings through Bluejeans, and/or resources such as those included in this syllabus. The students will be required to discuss these reading assignments and/or resources through BB discussion. The student will be required to make one post per week and respond to two other posts.

c) Students will produce two of the three following digital music assignments: a lead sheet, a hymn sheet, or an audio/MIDI project. The student will use a music notation application for a lead sheet or hymn sheet and an audio/MIDI application for an audio/MIDI project: (CO 1)

Lead Sheet Grading Rubric

Title, comp/arranger, tempo, express.	20
Melody	20
Staff, key signature, measures, double bar	20
Text alignment	20
Tablature	20
	100

Hymn Sheet Grading Rubric

Title, comp/arranger, tempo, express.	20
Staff, key signature, measures, double bar	20

Voice Parts	20
Text alignment	20
Other	20
	100

Audio/MIDI Grading Rubric

Arrangement Quality (e.g., creative arrangement of hymn) 20	
or	
Originality (e.g., a newly created piece)	20
Instrumentation	20
Accuracy (rhythm, pitch, sense of ensemble)	20
Student Creativity (playing in parts or producing skills)	20
Overall Artistic Quality	20
	100

Due: May 1 midnight

d) The student will complete one topical **full-text** (any word spoken or sung by the congregation) **worship guide with accompanying PPT, ProPresenter, or Keynote** project to be presented in the February workshop. Worship topics must match a particular biblical passage and should be submitted to the professor for approval. A digital version of a printed guide of the order of worship should be provided as well. This "printed guide" will be shared with the professor and class through google drive.

Printed Order of Worship Grading Rubric

Headings for all service ordinances, activities, etc.	5
Sermon title and scripture reference	5
Congregational responsive scripture or inspirational reading	5
Left justification, page formatting and layout	5
	20

PPT/ProPres Order of Worship Grading Rubric

Logical theological flow of service	30
Creative/Aesthetically pleasing background design	30
Text legibility (size, color, number of lines, etc.)	10
Appropriate last song text and sermon topic agreement	10
	80

Total available points for this project: 100
Due Workshop #2: February 28

e) Each student will prepare a **major topic presentation** for session 3--see dates below. **This assignment is an embedded assignment that will be completed by all students for all the sections of this course. The rubric for assessing this assignment can be found below. Please complete the assignment according to the syllabus. The rubric below will be used for academic jury assessment. A rubric for the student's grade for this assignment may be found in Blackboard; the rubric for the student's grade in Blackboard highlights the elements in the rubric below.** Assignments for presentations will be made in meeting one. A list will be posted on Google Docs, and a link provided, for topic selection. Students will post a link to their presentation in BB for classmates to download for future reference. The student will create a 1200 word **major topic** paper, using at least 2 sources. The student is expected to use the *NOBTS Manual of Style and Form*: https://www.nobts.edu/_resources/pdf/writing/StyleGuide.pdf. A grading

rubric will be provided in BB for the paper. The student will make a 15 - 20 minute presentation on the topic providing visuals with handouts for students, PPT, and/or internet projection. Key resources should be noted in the endnote portion of the handouts or presentation. Additional internet resources may be presented in the oral reports that are not a primary part of the paper. A grading rubric will be provided in BB for the oral report. **The paper associated with this project is the embedded assignment and requires a full title page.**

Due Workshop #3: March 27

Embedded Assignment Rubric

Assessment Evaluation Parameters (0=Inadequate, 1=Basic, 2=Competent, 3=Good, 4=Excellent)	Please evaluate each embedded research assignment on to what degree it helps students accomplish the following
The student will acquire knowledge of available musical software, video presentation software, and technology used in the church.	
The student will understand the importance of the role of technology in the current and future church The student will understand the importance of the role of technology in current church settings and future scenarios.	
The student will grow to appreciate the ever-changing nature of working with technology and embrace that portion of technology that can enhance the Christians corporate worship experience.	

f) **In The Trenches -** The student will make arrangements for 2 on-site visit/interviews to a "reasonably" local church using "relatively" up-to-date technology. This assignment will be presented during the 2nd workshop. Worship leaders from these two churches are to be interviewed in person with church music technology in mind. One is to be a Southern Baptist, and one could be from another denomination. The report, combining these two interviews, is to be 10 minutes in length with good analysis, summary, and take-away sections. Creativity, accuracy, thoroughness, participation, and applicability to music/worship ministry will heavily influence the student's grade.

Trenches Grading Rubric
2 Evangelical churches, 1 church must be SBC	20
Communication	25
Alternate Positions Considered	25
Organization	20
Grammar	<u>10</u>
	100

Due: April 27 Midnight

g) The student will develop a digital "**notebook**" that is available to all classmates and the teacher through Google Drive with easily discernible organization of resources regarding all technological topics covered during the semester. All required reading assignments from the internet should be saved and included in the digital notebook for future reference.

Notebook Grading Rubric

Clear, unencumbered organization	40
Topical Folder Labels	30
Content	<u>30</u>
	100

Due: May 11

h) **Reflection paper -** The student will complete a *1500 word* reflection paper. This paper is to be a synthesis or take-away paper from the course as a whole. Papers are to be typed and double-spaced, using Times New Roman 12-point font, with at least 5 footnotes, bibliography, and a title page. A grading rubric will be provided in BB. The student is expected to use the *NOBTS Manual of Style and Form*: https://www.nobts.edu/_resources/pdf/writing/StyleGuide.pdf.

Due: May 11

i) Midterm and Final Exam: The professor will facilitate the students at hybrid meetings in developing a midterm and final exam study guide, provided to students as a google drive resource. This resource will contain valuable information related to worship technology and should be included in the "digital notebook," assignment "g."

Midterm: Friday, March 6 through Tuesday, March 10 (BB)
Final: Monday, May 4 through Wednesday, May 6 (BB)

* Writing assignments should follow the *NOBTS/Leavell College Manual of Form and Style* (revised
August 2019). To access this manual on the seminary website, please use the following link:
https://www.nobts.edu/_resources/pdf/writing/StyleGuide.pdf.

TEXTBOOK:

There is no required textbook, but the student will be required to complete a range of reading assignments online or in academic journals.

GRADE FORMULATION:

Discussion Board	7%
Worship Guide Project	10%
Finale/Audio/MIDI Project	15%
Major Topic Presentation (as assigned)	15%
In The Trenches Project	10%
Final Reflection Paper	10%
Digital Technology Notebook	10%
Midterm	10%
Final Exam	13%
	<u>____</u>
	100%

NOBTS MASTERS GRADING SCALE:

A	100 – 93
B	92 – 85
C	84 – 77
D	76 – 70
F	69 – 0

RESOURCES:
Some of the following resources and others will be assigned through BB as weekly assignments.

▪ **Basics of Church Website Design**
http://www.cloversites.com/church/?gclid=CIyWjoO1y60CFdKR7QodFEVTgQ
http://www.goodmanson.com/church-technology/6-ways-churches-fail-with-their-website/
http://www.internetevangelismday.com/church-site-design.php

● **Basics on Components of Sound Systems and Sound Enhancement**
http://www.indiana.edu/~emusic/etext/toc.shtml
http://www.harada-sound.com/sound/handbook/basics.html
http://www.churchproduction.com/story/main/five-things-new-sound-guys-need-to-understand
Sound Boards
http://www.indiana.edu/~emusic/etext/studio/chapter2_mixers.shtml
http://www.churchproduction.com/story/main/making-room-for-the-congregation
http://harada-sound.com/sound/handbook/mixers.html
Speakers & Mics
http://www.churchproduction.com/story/main/how-to-configure-your-church-pa-system
http://www.youtube.com/watch?v=bXorSttwTVY&feature=endscreen&NR=1
http://www.churchproduction.com/story/main/demystifying-loudspeaker-system-design
http://www.churchproduction.com/story/main/powered-loudspeakers-when-they-are-and-arent-the-best-choice
http://www.churchproduction.com/story/main/microphones-in-the-limelight
http://www.churchproduction.com/story/main/how-to-get-the-pastors-mic-to-sound-like-the-pastor
http://www.youtube.com/watch?v=PJftumDVpyY

▪ **Basics of Lighting**   (work thru site slideshows)
http://www.churchproduction.com/story/main/the-top-five-steps-to-a-more-effective-lighting-design
http://www.churchproduction.com/story/main/what-your-congregation-wants-you-to-know-about-lighting
http://www.ccisolutions.com/StoreFront/category/lighting-101-putting-a-stage-lighting-system-together
http://www.worshiptechdecisions.com/article/kick_start_easy_energy_and_money_saving_ideas_you_can_use_now

▪ **Basics of Projection**
Hardware

http://www.ebibleteacher.com/churchvideodesign1.html
   (follow link at the bottom of each article)
     Location, Power, and Cables
     Controls and Lighting
     Screens & More
     Common Issues
     Sample Configuration/Purchase
http://www.worshiptechdecisions.com/article/must_have_apps_for_the_av_directors_tool belt

      Software
http://www.ebibleteacher.com/reviewworship.html#Presentation_Manager
http://presentation-software-review.toptenreviews.com/ (for reference only… 2011 article)
http://www.sharefaith.com/blog/2013/09/church-presentation-software/#more-10424

- **PPT Tips**
   http://www.ebibleteacher.com/tipswhen.html

- **Building Design Acoustics**
   http://www.church-acoustics.com/cryroom.htm
http://www.church-acoustics.com/pdf/church-acoustics-booklet.pdf

- **Piano Tuning and Maintenance**
   http://www.doghousenyc.com/articles/piano_tuning.php
   http://www.pianobuyer.com/publication.html#1
   http://www.wikihow.com/Buy-a-Piano
   http://www.ptg.org/userfiles/file/learningCenter/Acoustic_Pianos.pdf

- **Organ Works**
   http://www.ibiblio.org/pipeorgan

- **Church Technology Overview**
http://www.churchproduction.com/story/main/multi-site-meets-multi-generational

Selected Bibliography

Books

Barfoot, Phil, ed. *The Ultimate Idea Book for Music Ministry! Volume 2.* Word Music, 2004.

Bradley, C. Randall. *from Postlude to Prelude: Music Ministry's Other Six Days*. Fenton, MO: MorningStar Music Publishers of St. Louis, 2004.

Barker, Ken, ed. Baptist Hymnal. Nashville: LifeWay Worship, 2008.

Electronic Media

Bott, Tim. *Cry Room Acoustics*: *How to make your cry room both comfortable and acoustically sound.* Eugene, OR: Acoustic Sciences Corp. Web site. Available from http://www.church-acoustics.com/cryroom.htm.

EMI Audio. *Church Lighting Basics.* Minneapolis, MN: EMI Audio. Web site. Available from http://emionline.com/lightinginfo/1.html.

Fancey, Marya J. *The Pipe Organ.*
	An Overview of Organs,
	How the Sound Is Produced,
	A Close Look at the Pipes,
	An In-Depth Look at the Console,
	Glossary of Organ Terms.
	Pipe Organ Education Project. Web site. Available from
http://www.ibiblio.org/pipeorgan.

Finn, Mickey. *Studio Piano Maintenance*. New York: The Doghouse NYC. Web site. Available from http://www.doghousenyc.com/articles/piano_tuning.php

Harada, Kai. *Kai's Sound Handbook*. Harada Sound Design. Web site. Available from http://harada-sound.com/sound/handbook/index.html

Noxon, Arthur M. *Understanding Church Acoustics.* Eugene, OR: Acoustic Sciences Corp. Web site. Available from http://www.church-acoustics.com/pdf/church-acoustics-booklet.pdf.

Taylor, Terry. *Computers in Bible Teaching: Video Projectors in Church.* Abilene, TX: Southern Hills Church of Christ. Web site. Available from http://www.heartlight.org/articles/200007/20000712_tech_video.html

_____. *Reviews: Worship Software.* Carbondale, IL: church of Christ. Web site. Available from http://www.ebibleteacher.com/reviewworship.html#Presentation_Manager_.

Tentative Schedule
(these assignments are DUE during the week listed)

Week 1   Jan. 20-25
        Get familiar with BB; READ syllabus

        Friday, January 24 Workshop, 1-5 PM, Sellers 121
        History of Technology and How it Works (see BB for assigned reading or video
presentation)

Week 2   January 27-February 1
        What is the current state of technology in our churches and the classroom
        (see BB for assigned reading or video presentation)

                Church Websites – the Excellent, the Good, the Bad, the UGLY!
                View these websites and play around in the "Clover."
        https://www.cloversites.com/
        https://www.printplace.com/blog/church-website-designs-are-terrible/
                Examine this church web site evaluation tool…
        http://www.internetevangelismday.com/church-site-design.php
                This tool is way too long, so **make your own** much shorter, condensed version
for your own evaluations. **Find** a church website (according to your customized evaluation tool)
for each category above… the Excellent, the Good, the Bad, and the UGLY! **Save** the site
addresses to your computer or thumb drive and bring your evaluation tool so we can see your
picks and hear your reasoning during the Feb. 2 workshop.   (show & tell oral report, no paper).
Please note that we are not glorifying or making fun of cultures, denominations or specific
churches. We are sharing personal opinions of church websites.

Week 3   Feb. 3-8   History of Architecture and Acoustics
                        Building a Worship Service (connected to Workshop #2 Assignment)
                        (see BB for assigned reading or video presentation)

Week 4   Feb. 10-15   Sound Systems and Production
                        (see BB for assigned reading or video presentation)

Week 5   Feb. 17-22   Sound Systems and Production continued
                        (see BB for assigned reading or video presentation)

Week 6   Feb. 24-29   **Workshop #2, Friday, Feb. 28, 1-5 PM**

Week 7   March 2-7   MIDI as Sequencing Software or Notational Software and Audio 101
                        (see BB for assigned reading or video presentation)
                        Midterm (see BB)

Week 8   March 9-14   Audio 101 Continued
                        Performance Technology Supplementing the Worship Band or Choir
                        (see BB for assigned reading or video presentation)

Spring Break   **March 15-21**

Week 9   March 23-28   Projection and Video 101
                              Workshop #3: Friday, March 27, 1-5 PM
                              (see BB for assigned reading or video presentation)

Week 10   Mar. 30-Apr. 4   Projection and Video 101 continued

Week 11   April 6-9   Keyboard Technology (Old and New)
                              (see BB for assigned reading or video presentation)

Week 12   April 13-18   Implications for Church Music Education
                               (see BB for assigned reading or video presentation)

Week 13   April 20-25   Implications for the Health of the Church/Technology versus
                              Aesthetics
                              (see BB for assigned reading or video presentation)

Week 14   Apr. 27-May 2 Workshop #4: Friday, May 1, 1-5 PM

Final Exam: Monday, May 4 through Wednesday, May 6 (BB)