Nashville State Community College  
Business & Applied Arts Division  
Music Technology

Master Course Syllabus

This master course syllabus is meant simply as a guide and overview of the course. Each instructor will further clarify their criteria for grading, classroom procedures, attendance, exams and dates, etc. on his/her course syllabus.

Course Title: MST-1360 Digital Audio Production II
Credits: 3  
Class Hours: 2 Class Hours, 2 Lab Hours  
Course description from catalog including prerequisites and co-requisites. A continuation of MST 1240. Topics include advanced music production techniques, drum replacement, vocal tuning, advanced editing, synchronization, and audio for video production.  
Prerequisite(s): MST 1240  
Not part of a Tennessee Transfer Pathway

Instructor Information:
Name:
Email:
Office Phone:
Office Location:
Office Hours:

Textbook and Other Materials:

Reference Materials: Internet access outside of normal class hours may be required to complete some homework assignments and quiz activities. Students that do not have Internet access may need to schedule time in the college computer labs. Students will have access to digital copies of reference guides in the content section of the course shell or at manufacturer websites.

Supplies: 4GB or larger USB Flash Drive, 4-8 blank CD-R discs, 1-2” binder, 12 ct. colored pencils or markers.
Technology In Classes Statement:
Nashville State’s classes are considered to be web-enhanced. Faculty have an expectation that students will use a computer and the Internet to complete assignments, engage in online discussions, and access various course materials through Desire2Learn (D2L) course shells. Computers are available for student use at each campus during campus open hours.

Course Outcomes:
Upon successful completion of this course, students should be able to:
1. Effectively analyze multi-track recordings for technical and performance issues that may be correctable or improved with software production tools.
2. Correct the timing of musical performances as specified.
3. Correct the pitch of musical performances as specified.
4. Demonstrate the creative use of software digital signal processors to improve the quality of a production.
5. Demonstrate practical use of specified recording workflows in a computer-based audio production environment.
6. Incorporate the use of sample and loop libraries to create interesting music productions.
7. Demonstrate the ability to properly connect and configure various external devices to a computer-based audio production environment.
8. Properly manage and archive audio sessions and files.

Course Competencies:
The following are detailed course competencies intended to support the course outcomes:
1. Demonstrate the ability to create an audio soundtrack for a short video.
2. Demonstrate best practice file management procedures.
3. Demonstrate best practices file archival procedures.
4. Demonstrate the ability to import/export the session data as specified.
5. Demonstrate efficient file importing and exporting practices.
6. Demonstrate the ability to create custom audio software recording session templates as specified.
7. Demonstrate the ability to perform advanced audio edits as specified.
8. Demonstrate the ability to perform drum replacement as specified.
9. Demonstrate the effective and efficient use of audio track playlists.
10. Demonstrate the ability to create tempo maps as specified.
11. Demonstrate the ability to identify timing issues in a musical or rhythmic performance.
12. Demonstrate the ability to correct timing issues in a musical or rhythmic performance as specified.
13. Demonstrate the ability to compile a composite performance to industry standards using audio software editing capabilities.
14. Demonstrate the ability to identify instances of unacceptable vocal intonation and improve them using pitch correction software.
15. Demonstrate the ability to improve unacceptable vocal intonation using pitch correction software.
16. Demonstrate the ability to create harmonies using pitch correction software.
17. Demonstrate the ability to utilize time and pitch correction/adjustment tools to create interesting and modern sounding musical arrangements as specified.
18. Demonstrate the ability to create remixes specified.
19. Demonstrate the ability to create custom window views in audio software environments.
20. Demonstrate the effective use of real-time and file-based audio software plug-ins.
21. Demonstrate the ability to burn audio CDs to industry standards using computer disc burning software.
22. Demonstrate the ability to properly interface digital audio devices via analog and digital interconnects.
23. Students should possess the ability to select the best available digital interconnection and configuration option when presented with a variety of audio devices.
24. Demonstrate proper digital synchronization practices.
25. Demonstrate the ability to properly sync the transports of two or more devices.
26. Demonstrate the ability to properly configure audio hardware for a variety of situations.
27. Demonstrate the ability to configure audio software headphone cue mixes as specified.

The following are general education competencies intended to support the course outcomes:

1. Prepare clear, well-organized wiring diagrams for a number of computer-based recording scenarios.
2. Locate, evaluate, and use multiple sources of information to design complex computer-based recording studios that meet specific production requirements.
3. Participate as team members and team leaders in the configuration of advanced computer-based recording setups.
4. Use critical thinking skills to select appropriate editing and mixing strategies during student projects.
5. Use and adapt current software technologies to manipulate and improve audio recordings.
6. Apply scientific thought processes to make appropriate audio signal flow decisions in computer-based editing and mixing activities.
Topics to Be Covered:
1. Multi-System and Software Configuration
2. Troubleshooting Data Management Issues
3. Resource Management
4. Interfacing the Desktop Digital Audio System with Analog and Digital Equipment
5. Session Interchange
6. Tempo Mapping
7. Remixing With Samples, Loops, and MIDI
8. Advanced Recording Techniques and Concepts
9. Advanced Desktop Digital Audio Editing
10. Advanced Mixing Techniques and Concepts
11. Drum Editing and Drum Sound Replacement
12. Vocal Comping
13. Pitch Correction (Vocals, Instruments)
14. Cue Mixes
15. Positional Synchronization (SMPTE, ABS, MTC, MIDI Clock)
16. Digital Synchronization (Word Clock, Super Clock, AES, TDIF, etc.)
17. Audio for Video Production

Course Assessments:
The following performance assessments will be used to demonstrate students’ understanding, knowledge and skills:
Quizzes, exams, labs, projects, participation, and worksheets.

Grading Policy:
Final grades are based on participation, quizzes, exams, labs, projects, and mastery of skills.

Grading Scale:
A = 900-1000
B = 800-899
C = 700-799
D = 600-699
F = 0-599
FA (see below)
FN (see below)

Per TBR policy, a student who does not officially drop or withdraw from a course, but receives a failing grade, will receive an “FA” if the last day of attendance was earlier than two-thirds into the part-of-term. That date equates to the last day to withdraw from the course.

An FN is awarded to students who never attended class.
Late Work Policy & Make-up Procedures for Missed Assignments and Work:
Each instructor will provide policy.

Attendance Policy
A student is expected to attend all scheduled classes and laboratories. Absences in a course may affect a student's final grade. The student is responsible for all assigned work in the course regardless of excused or unexcused absences. Tardiness may also affect a student's final grade.

D2L Brightspace/NSOnline and myNSCC email
It is the student's responsibility to check D2L and MyNSCC email on a regular basis. These are the official communication channels between the college and students. Students are responsible for the information communicated through those channels. D2L contains specific course information and MyNSCC contains information important for other purposes.

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ADA Compliance Statement
Nashville State complies with the Americans with Disabilities Act. If you wish to request any special accommodations for any courses in which you are enrolled, contact the Access Center at 615.353.3741 or 615.353.3721.

Classroom Misconduct
Nashville State Community College has a zero tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary sanctions. The Nashville State Student Code of Conduct policy is available at

Please be aware that children are not allowed in class or unattended on campus.

Academic Misconduct
Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. Students are responsible for understanding and aiding by the Academic Misconduct Policy in the Nashville State Student Code of Conduct that can be found at

In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an “F” or a “Zero” for the exercise, paper, or examination or to assign an “F” for the course. Students may appeal through the appropriate college grade appeal procedures.
Academic Early Warning System
Nashville State Community College has implemented an Early Warning System to notify students via e-mail about academic problems such as poor classroom attendance, poor performance on assignments/tests, poor communication skills, late/missing assignments, and/or lack of classroom participation. *Please note that Early Warning Alerts do not affect a student’s academic standing.

RAVE Emergency Alert System
Emergency events can happen at any time and Nashville State Community College wants to be able notify students if and when they occur. For this reason, all students have been enrolled in the free RAVE alert system. If you have not already done so, please log in at https://getrave.com/login/nscc to confirm and update your contact information and notification preferences. It is critical that your information be correct so that you will receive any emergency notifications. Your RAVE Username is your NSCC email address. If you've never received an email from RAVE with your password, or if you need to reset your password, select “Forgot your password?” and a new password will be emailed to you. Should the RAVE system indicate “user not found”, select Register and create your own RAVE account.

Inclement Weather Policy
Nashville State will use the RAVE alert system to send a text message to students, staff, and faculty about adjusted hours of operation and/or closings at individual campuses. All students should check the Nashville State web site home page at www.nscc.edu for announcements on campus closures, which may vary from campus to campus. Campus closures will also be announced on local television stations.

When classes are cancelled, an online assignment will be posted in NS Online. Check NS Online for a message from your instructor regarding your online assignment requirements.

Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

Class Cancellation Policy
If the class is cancelled, the instructor will notify all students by posting in the NSOnline/D2L course, e-mailing through NSOnline/D2L, and/or by posting a sign on the classroom door. In the event of class cancellation, students must access NSOnline/D2L to complete classwork and the assignment that will be posted in the course D2L site.