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-1370 Audio Effects Processors
Credits: 3
Class Hours: 2 Class Hours, 2 Lab Hours
Course description from catalog including prerequisites and co-requisites. A comprehensive course in software audio effects processors commonly used in digital audio and music production. Emphasis will be placed on the skillful operation and creative use of audio effects processors. **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. Accurately explain the function of commonly used audio effects processors.
2. Demonstrate the appropriate and creative use of audio effects processors.
3. Apply dynamic effects processing techniques to create appropriate and interesting sounding results within a digital audio production software environment.
4. Apply time-based effects processing techniques to create appropriate and interesting sounding results within a digital audio production software environment.
5. Analyze a recording for sonic deficiencies and creative possibilities and formulate an ideal course of action.

Course Competencies:
The following are detailed course competencies intended to support the course outcomes:
1. Demonstrate the ability to configure noise-gate/expanders for given audio applications.
2. Demonstrate the ability to configure compressor/limiters for given audio applications.
3. Demonstrate the ability to configure multiband dynamic processors for given audio applications.
4. Demonstrate the ability to apply the side-chain capabilities of dynamic processors for given audio applications.
5. Demonstrate the ability to configure high-pass and low-pass filters for given audio applications.
6. Demonstrate the ability to configure shelving equalizers for given audio applications.
7. Demonstrate the ability to configure peak/bell equalizers for given audio applications.
8. Demonstrate the ability to configure multiband equalizers for given audio applications.
9. Demonstrate the ability to configure delay effects processors for a number given audio applications.
10. Demonstrate the ability to configure modulation effects processors for a number given audio applications.
11. Demonstrate the ability to configure reverb effects processors for a number given audio applications.
12. Demonstrate the ability to combine dynamic and time-based effects processors for a number given audio applications.
13. Demonstrate the ability to configure simulator and modeling effects processors for a number given audio applications.
14. Demonstrate the ability to configure pitch shift and harmonizer effects processors for a number given audio applications.
15. Demonstrate the ability to configure aural exciter and enhancer effects processors for a number given audio applications.
16. Demonstrate the ability to configure multi-effects processors for a number given audio applications.
17. Demonstrate the ability to configure external effects processors for a number given audio applications.
18. Demonstrate the efficient use of digital signal processing power.
19. Demonstrate the ability to create and manage effects processor libraries and presets.
20. Demonstrate the ability to render effects processor settings to audio track playlists.
21. Demonstrate the ability to transport user created effects processor presets between digital audio workstations.
22. Demonstrate the effective use of effects processor automation capabilities.
23. Match effects processor formats to compatible digital audio workstations.
24. Explain the various software-effects processor registration and authorization procedures.

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

1. Prepare clear, well-organized signal-flow diagrams for a number of signal processor scenarios.
2. Apply scientific thought processes to make appropriate audio signal flow decisions in computer-based editing and mixing activities.
3. Locate, evaluate, and use multiple sources of information to design complex computer-based recording studios that meet specific production requirements.
4. Use critical thinking skills to select appropriate audio processing strategies during student projects.
5. Use and adapt current software technologies to create interesting and appropriate sounding results.
**Topics to Be Covered:**
1. Expander-Gates
2. Compressor-Limiters
3. Multiband Dynamic Processors
4. Equalizers
5. Delay Effects
6. Modulation Effects
7. Reverbs
8. Other Signal Processors
9. External Signal Processors
10. Rendering Effects Processors
11. Effects Processor Preset Library Management
12. Registration and Authorization Procedures

**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.

**Technology Statement**
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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 https://s3.amazonaws.com/nscc.edu/PDFs/dean-students/Student_Code_of_Conduct_Policy.pdf

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 https://s3.amazonaws.com/nscc.edu/PDFs/dean-students/Student_Code_of_Conduct_Policy.pdf

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](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.