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-1130 Studio Recording I
Credits 3
Class Hours 2 Class Hours, 2 Lab Hours
Course description from catalog including prerequisites and co-requisites. An introduction to the recording studio. Topics include microphones, analog and digital recorders, the recording console, signal processing, and recording techniques.

Not part of a Tennessee Transfer Pathway

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

Textbook and Other Materials:
Textbook: Audio in Media-The Recording Studio, 10th Edition by Stanley R. Altman
Published by Wadsworth/Thomson Learning, ISBN: 978-1133307235
Reference Materials: Internet access outside of normal class hours is 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.
Supplies: TBD

Course Outcomes:
Upon successful completion of this course, students should be able to:
1. Demonstrate the proper use of basic audio terminology.
2. Demonstrate a familiarity with basic audio principles or characteristics
3. Identify common audio cables and connectors and demonstrate a working knowledge of their proper use in directing signal flow
4. Select and apply appropriate microphones and techniques to a variety of situations
5. Perform the basic operation of analog and digital recorders, consoles, and signal processors

Course Competencies:
The following are detailed course competencies intended to support the course outcomes:
1. Demonstrate the proper use of basic audio terminology.
a. Recognize and apply common faceplate markings when using audio equipment
b. Define dynamic range
c. Identify terms used to describe frequency and loudness
d. Define audio signal polarity and phase

2. **Demonstrate a familiarity with basic audio principles or characteristics**
   a. Define and interpret a frequency response graph
   b. Identify the range of human hearing
   c. Identify the speed of sound in air and its effects on the recording process
   d. Define the acoustic concepts of absorption, reflection, and diffusion

3. **Identify common audio cables and connectors and demonstrate a working knowledge of their proper use in directing signal flow**
   a. Identify common audio connectors
   b. Connect common audio components correctly
   c. Solve unusual or difficult equipment connection problems
   d. Use a patch bay to direct signal flow
   e. Correctly wrap cables for storage and ease of use
   f. Describe the wiring configuration of a balanced cable and connector

4. **Select and apply appropriate microphones and techniques to a variety of situations**
   a. Identify the three primary microphone types
   b. Identify the three primary microphone directional patterns
   c. Define proximity effect
   d. Correctly connect microphones and associated equipment
   e. Select appropriate microphone stands and accessories
   f. Creatively apply different microphone directional patterns, switches, and settings
   g. Optimize microphone placement when recording live musicians

5. **Perform the basic operation of analog and digital recorders, consoles, and signal processors**
   a. Identify the measurement of reverberation and delay
   b. Perform the basic operation of a multi-track tape recorder
   c. Identify the characteristics of different digital conversion rates and bit depths
   d. Identify and apply basic functions of an analog recording console
   e. Identify the basic concepts of common audio signal processors
   f. Identify the basic concepts of common time-based audio effects
   g. Operate a multi-track recording system during recording sessions with live musicians

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

**Topics to Be Covered:**

**Week 1**
- Discussion of the course syllabus,
  - History of Recording Technology

**Week 2**
- Mixing Consoles (In General)

**Week 3**
- Mixing Consoles (Our Console)

**Week 4**
- Microphones

**Week 5**
- Sound and Hearing
Week 6  Digital Audio Basics
ProTools HD Session Setup
Review for Mid-Term Exam

Week 7  **Mid-term exam. (March 3, 2015) Subject to change**

Week 8  **Spring Break**

Week 9  Patch Bays

Week 10  Effects Processors

Week 11  Effects Processors

Week 12  Room Acoustics/Studio Design

Week 13  Loudspeakers and Monitoring

Week 14  Review for Final Exam

Week 15  **Final Exam (May 5, 2015)**

Note: *This course outline is subject to change at any time during the semester. Revisions will be posted on D2L.*

**Course Assessments:**
The following performance assessments will be used to demonstrate students’ understanding, knowledge and skills:
Final grades are based on attendance, participation, assignments (25%), exams (50% [mid-term-25%, final-25%]), and quizzes (25%).

**Grading Policy:**

**Grading Scale:**
A =
B =
C =
D =
F =
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**
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.

**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 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.