

MUSC 2435-01 Advanced Audio Recording (3cr=2 lec/2lab)

Lecture: NPA 28 MW 9-9:50 AM/Lab: NPA 100 Thurs. 10:50 AM - 12:30 PM
Northwest College Spring 2022

Instructor: Robert Rumbolz

Office: NPA 19

Office Hours: MWF 10-11am/ TTH 1-1:50 PM (Please call, text or email to make sure I am available to meet you and if you are not available during this time I can make an appointment at another time)

Contact Info: 754-6426 Office/254-2326 Cell/robert.rumbolz@nwc.edu

Text/Materials: As a continuation of MUSC 1435 Audio Recording, this course will continue to use Huber's Modern Recording Techniques. In addition, your instructor will provide readings (see selected bibliography at the end of this document). Plan on keeping a loose-leaf notebook into which you can organize and save course handouts. Course schedule, discussion topics, listening and grading will be available via MOODLE.

Course Description: This course is designed to give you a broader understanding of the audio production beyond the musical context as well as to deepen your knowledge of Pro Tools Ultimate. Projects will often simulate the problems and objectives in a commercial recording studio – Music applications will form much of our work but this course will also introduce tasks unique to genre-specific recording. Audio production for commercial radio, film/theater will also be included. MUSC 2435 course will include developing your critical listening skills and, as always, develop the language for describing what you hear. *This course will include support for the 2020 NWC Jazz Festival.*

Learning Outcomes: Student will develop the skills necessary to:

- Workflow using an in-line console
- Effectively use various hardware and software signal processing equipment and plug-ins
- Advanced editing techniques using Autotune, Elastic Audio, Izotope RX and Melodyne.
- Demonstrate proficiency with additional stereo techniques: Near-Coincident pairs..
- Produce a commercial radio advertisement for a selected local business
- Successfully complete complete genre-specific recording projects
- Demonstrate understanding of level practices and metering for broadcast.
- Demonstrate proficiency with digital editing with AVID Pro Tools Ultimate 2018 and related hardware
- Demonstrate proficiency with the Radar V System by Iz Technology.
- Collaborate with other participants to realize individual recording projects
- Develop a critical understanding and articulate in writing some aspect of the use of sound in film
- Take responsibility to realize various aspects of your projects on-time and with a high degree of professionalism.

Weighted Grading Percentages

Scale:

Quizzes and Exams	20%	A = 100 - 93%	C = 76 - 73%
Lab Projects	30%	A- = 92 - 90%	C- = 72 - 70%
Production Projects (radio/film/final)	40%	B+ = 89 - 87%	D = 69 - 60%
Participation in class discussions/Studio Etiquette/Attendance	10%	B = 86 - 83%	F = below 60 %
		B- = 82 - 80%	
		C+ = 79 - 77%	

Attendance and Course Conduct

- Attend regularly scheduled class sessions. EVERY DAY COUNTS. I believe we learn in community, but when you are not there you are unable to share your experience with your colleagues and vice versa. I follow the NWC attendance policy that is quite unforgiving. You have 3 unexcused absences for a 3cr course. Each subsequent absence

will lower your score a full letter grade. Seven absences will result in an F for the course.

- In that most projects will be presented and discussed during class time, assignments will be due at the class time indicated. **Past due assignments will be given fewer points.**
- As most of the material of the class will involve critiques of student projects it will be important to exercise great sensitivity and respect for your fellow classmates.

Schedule:

WEEK	MONDAY	WEDNESDAY	THURS LAB and EXTRA INFO
1	(1/17) Equality Day – No Classes	(1/19) Syllabus Orientation. Rob May be at All State Music	(1/20) Tracking Tom Walker
2	(1/24) Stereo and the Piano.	(1/26) Tom Walker Mix	(1/27) Stereo Recording Share
3	(1/31) Genre Big Band	(2/02) Engineer Share (Big Band) [Last Day to Drop]	(2/03) Quiz 2: Big Band Recording
4	(2/07) Guest Engineer: Ryan Hayes – Vocal Editing	(2/09) Guest Engineer	(2/10) Vocal Editing Projects
5	(2/14) Jazz Fest Training	(2/16) Jazz Fest Training	(2/17) Jazz Fest Training Sign up for Jazz Fest! PT Tips/Tricks: Elastic Audio – Watch Groove 3
6	(2/21) Jazz Fest Setup	(2/23) Jazz Fest Tear Down	(2/24) Jazz Fest Training and Set up; Levels Reading/Elastic Audio
7	(2/28) Elastic Audio	(3/02) Elastic Audio	(3/03) Home Store Quiz 3: Elastic Audio due Friday
8	(3/07) Radio Commercial	(3/09) Radio Commercial	(3/10) Radio Commercial
9	(3/14) Spring Break – no classes	(3/16) Spring Break – no classes	(3/17) Spring Break – no classes
10	(3/21) Commercial Radio	(3/23) Commercial Radio Share	(3/24) Creative Studio Intro
11	(3/28) Genre Rec 2	(3/30) Augmented Arrangement	(3/31) Augmented Arrangement
12	(4/04) Film Sound	(4/06) Film Analysis Presentation	(4/07) Film Post Friday: Last Day to Withdraw
13	(4/11) 5.1 / Ambisonic Mixing	(4/13) 5.1 / Ambisonic Mixing	(4/14) 5.1 / Ambisonic Mixing
14	(4/18) Spring Recess – No Classes	(4/20) Foley Project/MadMapper	(4/21) Foley Project/MadMapper
15	(4/25) Foley	(4/27) Foley	(4/28) Review Final Projects
16	(5/02) Review Final Projects	(5/04) Review Final Projects	(5/05) FINAL PROJECTS DUE
17	(5/09) EVALUATE CLASS	(5/11) FINALS 9:30 – 11:20	

NPA 28 – Digital Audio Lab, NPA 107 Control Room, NPA 100 Live Room

These rooms contain eight Intel iMacs (NPA29) and a Power Mac Tower (NPA107). Each workstation is running Pro Tools Ultimate 2021 (HDX in NPA 107). Use of these rooms requires the following compliance:

- Absolutely no food or drink is permitted in these rooms
- All recording activities need to be scheduled on the posted schedule
- Follow procedures for equipment operation as provided – don't try to wing it!
- **No downloading of software or any “administrative level” computer alterations**
- Access is limited to those in the class ONLY (*no friends* – if outside participation is required, please communicate this with your professor.)
- NPA 29 and NPA 107 are available during posted building hours only unless you are on the late list. This extension does not extend to your artists.

- It is especially important to put away microphones, cable, headphones, and other equipment after **each** session. INCLUDING the DRUM SET! Failure to do so will result in a lowered grade on the participation category. This is especially important for NPA100 & 107 that are regular used for wider NWC recording projects. It must be kept clean at all times.

Academic Code of Conduct

Northwest College is committed to creating and maintaining an environment of academic honesty. Both the faculty member and the student bear the responsibility for academic integrity. Violations of academic integrity by a student are outlined in the Student Handbook and may result in a reduced or failing grade for a particular assignment, test, or for the course without the student option of dropping the course. The violations include but are not limited to: cheating, trafficking, copyright infringement, and inappropriate language and personal conduct in the classroom. A plagiarized paper will receive a grade of zero for the assignment. Cell phones should be turned off during class.

ADA Statement

Northwest College is dedicated to removing barriers and opening access for students with disabilities in compliance with ADA and Section 504 of the Rehabilitation Act. It is the student's responsibility to make an appointment with the Disability Support Services (DSS) Coordinator to provide documentation of a disability (whether it is psychiatric, learning, mobility, health related, or sensory) and to inquire about accommodations for courses each semester. To contact the DSS Coordinator, call 754-6135 or stop by the Student Success Center located in the lower level of Colter Hall.

Tutoring Assistance

Project Succeed helps eligible students position themselves for success and pursue excellence through graduation or transfer to a four-year college. The staff offer learning, study, time management, and budgeting strategies as well as career and transfer assistance. Eligible students are those who have low income, those whose parents do not have a four-year (bachelor's) degree, and/or those who have documented disabilities. Project Succeed is funded by the U.S. Department of Education as a Student Support Services TRiO program. Interested in learning more? Project Succeed is in the Student Success Center in the lower level of Colter Hall, telephone 754-6135, <http://www.northwestcollege.edu/projectsucceed/>

Suggested Readings from the following texts:

Bartlett, Bruce and Jenny Bartlett. *On-Location Recording Techniques*. Burlington, MA: Focal Press, 1999.

Case, Alexander. *Sound FX: Unlocking the Creative Potential of Recording Studio Effect*. . Burlington, MA: Focal Press, 2007.

Case, Alexander. *Mix Smart: Pro Audio Tips For Your Multitrack Mix*. Burlington, MA: Focal Press, 2013.

Cook, Frank. *Pro Tools 101: An Introduction to Pro Tools 11*. Boston, MA: Cengage Learning, 2013.

Huber, David Miles and Robert E. Runstein. *Modern Recording Techniques*, 7th ed. Burlington, MA: Focal Press, 2009

Izhaki, Roey. *Mixing Audio*, 2nd ed. Burlington, MA: Focal Press, 2011

Katz, Bob. *Mastering Audio: The Art and the Science*. Burlington, MA: Focal Press, 2007

Massey, Howard. *Behind the Glass: Top Record Producers Tell How They Craft the Hits*. San Francisco, CA: Backbeat Books. 2000.

Moylan, William. *Understanding and Crafting the Mix: The Art of Recording*, 2nd ed. Burlington, MA: Focal Press, 2007

Owsinski, Bobby. *The Mastering Handbook*. Vallejo, CA: Mix Books, 2000.

Senior, Mike. *Mixing Secrets for the Small Studio*. Burlington, MA: Focal Press, 2011

Yewdall, David Lewis, M.P.S.E. *Practical Art of Motion Picture Sound*. Burlington, MA: Focal Press, 1999.