

Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: <https://catalog.uvu.edu/>

Semester: *Spring*

Course Prefix: *DAPPR*

Course Title: *Digital Audio Restoration*

Year: *2025*

Course and Section #: *2240-001*

Credits: *3*

Course Description

Teaches the value and use of various tools to restore, preserve, and archive audio from a variety of sources, including vinyl records, tapes, film soundtracks, etc. Additional topics include removal of ambient noise (fans, AC, etc) from class film projects, impulsive noise (clicks and pops), periodic noise (hum and buzz), and random noise (spectral subtraction of ambient noise). In addition, some attention will be given to the subject of audio forensics, or restoring audio for intelligence or law enforcement applications. Since this course uses some programs of which we only have one copy, you will be required to come on campus to complete those projects. Most plugins are fairly unique to the course, so expect to use the school computers on most of them.

Course Attributes

This course has the following attributes:

- General Education Requirements
- Global/Intercultural Graduation Requirements
- Writing Enriched Graduation Requirements
- Discipline Core Requirements in Program
- Elective Core Requirements in Program
- Open Elective

Other:

Instructor Information

Instructor Name: *Mike Wisland*

Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- Identify the issues and problems in audio that give rise to the need for professional, digital restoration
- Properly apply the use of basic signal processing tools for rudimentary restoration procedures
- Follow proper workflow and ordering in digital audio restoration

- Operate algorithms for audio restoration and their purposes
- Acquire experience performing low to intermediate-level audio restoration
- Comprehend the various aspects of the audio restoration industry and how to compete in it

Course Materials and Texts

Required materials, fees and technology: There is NO textbooks for this course because one does not exist, so we use my lectures and a few places online to augment the course.

- Textbook: None
- Access to a computer and reliable internet connection
- Software fee of \$15 applies.
- Lab access fee of \$45 for computers applies.

Course Requirements

Course Assignments, Assessments, and Grading Policy

Grading Scale:

The following grading standards will be used in this class:

Grade	Percent
A	92.5-100
A-	90-92.5
B+	87.5-89.9
B	82.5-87.5
B-	80-82.5
C+	77.5-79.9
C	72.5-77.5

C-	70-72.5
D+	67.5-69.9
D	62.5-67.5
D-	60-62.5
E	0-59.9

Assignment Categories

Activity	Points
Assignments	15
Projects	390
Quizzes/Exams	
Accolades / Suggestions	12
Discussions Students Helping Students	0
Total	

Late Work Statement:

The best way to be successful in this course is to submit all assignments by their due date. All assignments are available from the beginning of the term and you are allowed to work ahead. Discussion participation must occur as per the due dates.

In the event that you will not be able to meet a due date, contact your instructor as soon as possible. If you are unable to contact the instructor ahead of the due date, you will be expected to provide appropriate documentation such as a doctors note to be allowed to turn in an assignment late.

Assignment and Assessment Descriptions

Assignments

Assignment in this course consist of what I refer to as getting started and ending assignments. Check your Canvas settings/profiles, introduce yourself to other class members, then at the end complete the student rating of instructor or SRI assignment.

Projects

There are several projects over the semester that will require hands on use of software in the labs for this course. I will be there to answer questions and walk you through the projects. These consist of working with suboptimal audio files to improve the sound such as deClicking, Hum and Buzz removal, deNoising and deClipping distored audio. The culminating project is a convergence of all the work you do on these smaller project.s

Discussions

Most of our discussions will take place in class, however there are Students Helping Students Discussions for each of our Canvas modules where you can reach out to and offer each other help. Participation in these discussions is optional and no points are awarded, however these discussions can be a great source of help.

Accolades / Suggestions

These graded surveys are opportunities to weigh in on the course. Tell me one thing you liked about the particular module and one suggestion for improving it.

Assessments

All assessments are offered online and are NOT proctored. They consist of quizzes and exams with either short answer or multiple choice/true false question types. Quizzes are considered a learning tool, are open book, and offer two attempts. Your highest score is recorded. The exam is open note, one attempt with similar question types to the quizzes.

Required or Recommended Reading Assignments

Assignment in this course consist of what I refer to as getting started and ending assignments. Check your Canvas settings/profiles, introduce yourself to other class members, then at the end complete the student rating of instructor or SRI assignment.

General Description of the Subject Matter of Each Lecture or Discussion

Most of our discussions will take place in class, however there are Students Helping Students Discussions for each of our Canvas modules where you can reach out to and offer each other

help. Participation in these discussions is optional and no points are awarded, however these discussions can be a great source of help.

Required Course Syllabus Statements

Generative AI

Teaches the value and use of various tools to restore, preserve, and archive audio from a variety of sources, including vinyl records, tapes, film soundtracks, etc. Additional topics include removal of ambient noise (fans, AC, etc) from class film projects, impulsive noise (clicks and pops), periodic noise (hum and buzz), and random noise (spectral subtraction of ambient noise). In addition, some attention will be given to the subject of audio forensics, or restoring audio for intelligence or law enforcement applications. Since this course uses some programs of which we only have one copy, you will be required to come on campus to complete those projects. Most plugins are fairly unique to the course, so expect to use the school computers on most of them.

DGM 2240 fulfills a core requirement for the AAS-DAPR: Digital Audio Program, AAS and BS-DGA1: DAPR, B.S. degrees.

Using Remote Testing Software

X This course does not use remote testing software.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by

not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: Student Code of Conduct](#).

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.