[Course Syllabus](#) **Spring 2018**

The University of Texas at Austin

School of Information

Spring 2018

INF 392L INTRODUCTION TO AUDIO PRESERVATION AND REFORMATTING

Instructor: Sarah Cunningham

Office: UTA 5.104

Audiovisual Archive LBJ Library 2313 Red River

Office Hours: by appointment (512) 721-0156

392L Unique number: 27440

350G Unique number 27205

Course Time: Tuesdays 6:00 – 9:00 Classroom: UTA 1.212

Instructor email: shcunningham@mail.utexas.edu

Teaching assistant: Molly McGee

Lab hours: Will be scheduled during the semester and by appointment with the Instructor or the TA

Description: An introduction to the preservation of audio through:

- A chronological examination of the development and history of recording

- A study of issues in the care and preservation of recordings

- The economics of in-house vs. "outsourced" audio reformatting

- "Hands-on" projects to create digital surrogates

Objectives: This class will introduce students to the preservation of sound recordings. Students will gain an understanding of:

- The various types of sound recordings and formats

- Current best practices and methods for preserving recordings

- The professional communities and organizations involved with the preservation of sound recordings

- Methods to predict the future of the field

Prerequisites – None

Class participation: Students are required to complete the assigned readings, participate in class discussions and activities each week. Each student will be responsible for leading two class discussions during the semester. The participation points will be awarded per class period @ 2 points per class period.

Class website:

This course has a Canvas page. It can be accessed at

[courses.utexas.edu (Links to an external site.)Links to an external site.](courses.utexas.edu)

Required Printed and Online Texts:

Brylawski, Sam. (2015) ARSC Guide to Audio Preservation. Council on Library and Information Resources. [http://www.clir.org/pubs/reports/pub164/pub164.pdf (Links to an external site.)Links to an external site.](http://www.clir.org/pubs/reports/pub164/pub164.pdf)

Sterne, Jonathan. (2003) The Audible Past: Cultural origins of sound reproduction. Durham: Duke University Press. – (also available as an ebook through the UT Library)

Morton, David. (2004) Sound recording: The life story of a technology. Westport, CT: Greenwood Press.

Casey, Mike and Bruce Gordon. (2007) "Sound Directions: Best Practices for Audio Preservation." In Sound Directions: Digital Preservation and Access for Global Audio Heritage. Bloomington, IN: Indiana University, 2007.[http://www.dlib.indiana.edu/projects/sounddirections/papersPresent/sd_bp_07.pdf (Links to an external site.)Links to an external site.](http://www.dlib.indiana.edu/projects/sounddirections/papersPresent/sd_bp_07.pdf)

International Association of Sound and Audiovisual Archives. (2009) IASA-TC04 guidelines on the production and preservation of digital audio objects: Standards, recommended practices, and strategies. Second Edition. Auckland Park, South Africa: International Association of Sound and Audiovisual Archives, Technical Committee. [http://www.iasa-web.org/tc04/audio-preservation (Links to an external site.)Links to an external site.](http://www.iasa-web.org/tc04/audio-preservation)

All others readings are available through the UT Libraries website, the class Canvas page, or via other Internet resources.

Deadlines – All students are expected to turn assignments in at the beginning of the class period of the day that it is due. If a student must miss a class, the assignment must be sent via e-mail to me 1 hour before the class begins.

A letter grade will be deducted for each day an assignment is late.

Papers

Papers will be graded on: Research, Content, Writing and Presentation

Students that need assistance with writing may visit the **Sanger Learning Center** for feedback, tips to improve writing skills and sessions with a writing tutor:

http://www.utexas.edu/ugs/slc/grad (Links to an external site.)Links to an external site.

A Plus/Minus Grading system for graduate students taking graduate courses will be used as outlined: http://www.utexas.edu/ogs/student_services/academic_policies/plus_minus.html

January 16 - **Introduction & Review of the Literature in the Field**

Cunningham, Sarah (2009) Audio Preservation Bibliography. National Recording Preservation Board of the Library of Congress.

http://www.loc.gov/programs/national-recording-preservation-board/resources/audio-preservation-bibliography/ (Links to an external site.)Links to an external site.

January 23 – The State of Recorded Sound Preservation in the United States: A National Legacy at Risk in the Digital Age

Peoples, Curtis and Marsha Maguire. "Preserving Audio." ARSC Guide to Audio Preservation. Ed. Samuel Brylawski, Maya Lerman, Kathlin Smith, Robin Pike. CLiR 2015. Page 1 - 13.

http://www.clir.org/pubs/reports/pub164/pub164.pdf (Links to an external site.)Links to an external site.

Brylawski, Sam. (2003) Proceedings from Sound Savings: Preserving Audio Collections: Review of Audio Collection Preservation Trends and Challenges. Austin, TX.

This article is in the "files" section on Canvas: https://utexas.instructure.com$CANVAS_COURSE_REFERENCE$/files?preview=396704 or can be found here: http://www.arl.org/preserv/sound_savings_proceedings/ (Links to an external site.)Links to an external site.

Ross, Alex. (2005) The Record Effect: How technology has transformed the sound of music. The New Yorker.

http://www.newyorker.com/magazine/2005/06/06/the-record-effect (Links to an external site.)Links to an external site.

National Recording Preservation Board (2010) The State of Recorded Sound Preservation in the United States: National Legacy at Risk in the Digital Age Chapter 1, pages 9 - 65.

http://www.clir.org/pubs/reports/pub148/pub148.pdf (Links to an external site.)Links to an external site.

Further Reading:

Hill, Elizabeth. (2012) The Preservation of Sound Recordings. Music Reference Services Quarterly. Volume 15, Issue 2.

https://utexas.instructure.com$CANVAS_COURSE_REFERENCE$/files/?preview=44189814

January 30 - History of Audio

Sterne, Jonathan. (2003) The Audible Past: Cultural origins of sound reproduction. Durham: Duke University Press. "Hello" and Chapter 1. (pp 1 – 87)

Akiyamam Mitchell and Sterne, Jonathan. "The Recording that Never Wanted to be Heard and Other Stories of Sonification," The Handbook of Sound Studies, eds. Karin Bijsterveld and Trevor Pinch. New York: Oxford University Press (2011). Pages 544 – 560

In the "files" section on Canvas here: https://utexas.instructure.com$CANVAS_COURSE_REFERENCE$/files?preview=44189803

Morton, David. (2004) Sound recording: The life story of a technology. Westport, CT: Greenwood Press. Chapters 1 – 6.

Further Reading:

Milner, Greg (2009) Perfecting Sound Forever: An Aural History of Recorded Music. Faber and Faber, Inc. New York. Chapter 3 and 4.

In the "files" section on Canvas here: https://utexas.instructure.com$CANVAS_COURSE_REFERENCE$/files?preview=44189872

Wurtzler, Steve J. (2007) Electric sounds: Technological change and the rise of corporate mass media. New York: Columbia University Press. 1-69 and 121-168.

In the "files" section on Canvas here: https://utexas.instructure.com$CANVAS_COURSE_REFERENCE$/files?preview=44189800

February 6 - History of Audio - Part Two

Assignment #1 Due: [Class Presentations (Format)](#)

Behl, Harrison. "Audio Formats: Characteristics and Deterioration." ARSC Guide to Audio Preservation. Ed. Samuel Brylawski, Maya Lerman, Kathlin Smith, Robin Pike. CLiR 2015. Page 14 - 36.

[http://www.clir.org/pubs/reports/pub164/pub164.pdf (Links to an external site.)Links to an external site.](http://www.clir.org/pubs/reports/pub164/pub164.pdf)

Sterne (Chapter 2)

Morton (Chapters 7-10)

February 13 - Introduction to the Audio Lab - Justin Kovar

Casey, Mike & Gordon, Bruce. (2007) Sound directions: Best practices for audio preservation.

[http://dlib.indiana.edu/projects/sounddirections/papersPresent/index.shtml (Links to an external site.)Links to an external site.](http://dlib.indiana.edu/projects/sounddirections/papersPresent/index.shtml)
About Sound Directions: [http://dlib.indiana.edu/projects/sounddirections/ (Links to an external site.)Links to an external site.](http://dlib.indiana.edu/projects/sounddirections/)

The Producer's and Engineer's Wing: Delivery Recommendations for Master Recording

(PDF): [http://www.grammy.org/files/pages/deliveryrecommendations.pdf (Links to an external site.)Links to an external site.](http://www.grammy.org/files/pages/deliveryrecommendations.pdf)
More Guidelines: [https://www.grammy.org/recording-academy/producers-and-engineers/guidelines (Links to an external site.)Links to an external site.](https://www.grammy.org/recording-academy/producers-and-engineers/guidelines)

Harvey, Ross and Martha Mahard. (2014) The Preservation Management Handbook: A 21st Century Guide for Libraries, Archives and Museums. Chapter 10.

Available as an e-book from the UT Libraries. [http://utxa.eblib.com.ezproxy.lib.utexas.edu/patron/FullRecord.aspx?p=1674230&echo=1&userid=ZW8c0wscJi4%3d&tstamp=1408640790&id=E4972495511774CB0E5175FB2BB26B6FB435D1F9 (Links to an external site.)Links to an external site.](http://utxa.eblib.com.ezproxy.lib.utexas.edu/patron/FullRecord.aspx?p=1674230&echo=1&userid=ZW8c0wscJi4%3d&tstamp=1408640790&id=E4972495511774CB0E5175FB2BB26B6FB435D1F9)

Further reading

Sterne (Chapter 3)   Morton (Chapters 11 – 17)

February 20 - Best Practices for Audio Preservation

Chase, Will. "Preservation Reformatting." ARSC Guide to Audio Preservation.2015.. Ed. Samuel Brylawski, Maya Lerman, Kathlin Smith, Robin Pike. CLiR 2015. Pages 110 - 126.

http://www.clir.org/pubs/reports/pub164/pub164.pdf (Links to an external site.)Links to an external site.

International Association of Sound and Audiovisual Archives. (2009) IASA-TC04 guidelines on the production and preservation of digital audio objects: Standards, recommended practices, and strategies. Second Edition. Auckland Park, South Africa: International Association of Sound and Audiovisual Archives, Technical Committee.

http://www.iasa-web.org/tc04/audio-preservation (Links to an external site.)Links to an external site.

The Producer's and Engineer's Wing: Delivery Recommendations for Master Recording

(PDF): http://www.grammy.org/files/pages/deliveryrecommendations.pdf (Links to an external site.)Links to an external site.

February 27 – Preservation Policies

Nelson-Strauss, Brenda. (1991) Preservation policies and priorities for recorded sound collections. Notes: Quarterly Journal of the Music Library Association, 48(2), 425-436.

To retrieve this article, go to JSTOR from the UT Libraries homepage (click on Databases and Indexes and choose "J") then search for article.

Frost, Hannah. (2003) Proceedings from Sound Savings: Preserving Audio Collections: Surveying Sound Recording Collections. Austin, TX.

http://www.arl.org/storage/documents/publications/sound-savings.pdf (Links to an external site.)Links to an external site.

Danielson, Virginia, Cohen, Elizabeth, & Seeger, Anthony. (2001) Folk heritage collections in crisis. (CLIR Publication No 96) Washington DC: Library of Congress.

http://www.clir.org/pubs/reports/pub96/contents.html (Links to an external site.)Links to an external site.

Lerman, Maya. "Appraisals and Priorities." ARSC Guide to Audio Preservation. 22015. Ed. Samuel Brylawski, Maya Lerman, Kathlin Smith, Robin Pike. CLiR 2015, p 37-50.

http://www.clir.org/pubs/reports/pub164/pub164.pdf (Links to an external site.)Links to an external site.

March 6 – Quiz

Quiz - Readings

National Initiative for a Networked Cultural Heritage. (2002) The NINCH guide to good practice in the digital representation and management of cultural heritage materials: Audio/video capture and management.

http://chnm.gmu.edu/digitalhistory/links/pdf/chapter1/1.17.pdf (Links to an external site.)Links to an external site.

Rumsey, Francis & McCormick, Tim. (2002) Sound and recording: An introduction. Oxford: Focal. Chapter 1

In the "files" section on Canvas here: https://utexas.instructure.com/courses/1216900/files?preview=44189798

Shuker, Roy. Understanding Popular Music Culture. Chapter 2 "Pump Up the Volume." Routledge.

http://utxa.eblib.com/patron/FullRecord.aspx?p=166144 (Links to an external site.)Links to an external site.

March 13 – SPRING BREAK

March 20 – Care and Handling

Arton, Carla. "Care and Maintenance." ARSC Guide to Audio Preservation. 2015. Ed. Samuel Brylawski, Maya Lerman, Kathlin Smith, Robin Pike. CLiR. Pages 52-75.

http://www.clir.org/pubs/reports/pub164/pub164.pdf (Links to an external site.)Links to an external site.

Pickett, A. G. & Lemcoe, M.M. (1959) Preservation and storage of sound recordings. Washington, D.C: Library of Congress.

In "files" on Canvas: https://utexas.instructure.com/courses/1216900/files?preview=44189807

Hess, Richard L. (2010) Richard L. Hess's tape restoration resources.

http://www.richardhess.com/tape/index.htm (Links to an external site.)Links to an external site.

March 27 – Audio Technology (Research Paper Outlines Due)

 Assignment #4 Due: Research Paper Outlines

An Introduction to Music Technology [electronic resource]. Hosken, Dan. Hoboken : Taylor and Francis, 2014. 2nd ed. Electronic Resource page 72 – 99.

https://ebookcentral-proquest-com.ezproxy.lib.utexas.edu/lib/utxa/reader.action?docID=565439 (Links to an external site.)Links to an external site.

Sound Directions

http://dlib.indiana.edu/projects/sounddirections/papersPresent/index.shtml (Links to an external site.)Links to an external site.

Digital Audio Part 2

Rumsey & McCormick (Chapter 8)

Can be found in "files" on Canvas here: https://utexas.instructure.com/courses/1216900/files?preview=44189806

April 3 - Copyright and New Tools for Preservation

Assignment #3 Due: Cassette Transfer

Butler, Brandon. "Audio Preservation: The Legal Context." ARSC Guide to Audio Preservation. 2015. Ed. Samuel Brylawski, Maya Lerman, Kathlin Smith, Robin Pike. CLiR 2015. Pages 152-166.

http://www.clir.org/pubs/reports/pub164/pub164.pdf (Links to an external site.)Links to an external site.

United States Copyright Office. (2015) Orphan Works and Mass Digitization.

http://copyright.gov/orphan/reports/orphan-works2015.pdf (Links to an external site.)Links to an external site.

Brooks, Tim. Survey of Reissues of U.S. Recordings. Washington, DC: Council on Library and Information Resources and Library of Congress, August 2004.

http://www.clir.org/pubs/abstract/reports/pub133 (Links to an external site.)Links to an external site.

Besek, June M. (2005) Copyright issues relevant to digital preservation and dissemination of pre-1972 commercial sound recordings by libraries and archives (CLIR Publication No 135) Washington, DC: Library of Congress.

https://www.clir.org/wp-content/uploads/sites/6/pub135.pdf (Links to an external site.)Links to an external site.

April 10 –Cataloging audio collections in the digital format and Review

Assignment #6 Due: Disc Transfers

Maguire, Marsha. "Description of Audio Recordings." ARSC Guide to Audio Preservation. 2015. Ed. Samuel Brylawski, Maya Lerman, Kathlin Smith, Robin Pike. CLiR. Pages 77-105.

http://www.clir.org/pubs/reports/pub164/pub164.pdf (Links to an external site.)Links to an external site.

Otto, Jane J. "A Sound Strategy for Preservation: Adapting Audio Engineering Society Technical Metadata for Use in Multimedia Repositories," Cataloging & Classification Quarterly 48:5 (2010): 403-422

https://rucore.libraries.rutgers.edu/rutgers-lib/45764/ (Links to an external site.)Links to an external site.

Seeger, Anthony. (1986). The Role of Sound Archives in Ethnomusicology Today. Ethnomusicology, 30(2), 261-276.

To retrieve this article, go to JSTOR from UT Libraries homepage (click on Databases and Indexes and choose "J") then search for article.

The following readings are from Archives for the Future: http://www.seagullindia.com/archive/download.html (Links to an external site.)Links to an external site.

- Technology for the Future – Dietrich Schuller (Chapter 2)
- Final Workshop Documents (Chapter 17)
- The First Debate: Archivists versus Administrators (Chapter 18)
- Debate Between Performers, Researchers and Archivists (Chapter 19)

Read the Debates carefully – we will have a debate in class based on the roles outlined in the reading for this week.

April 17 – Assignment #5 Research Paper Due and Presentation of Papers

Outline 5%, Paper and Presentation 30% of the semester grade)

The final academic paper of the semester deals with an audio preservation issue and is to be researched in depth resulting in a double-spaced 12 to 16 page paper and 15-20 minute presentation.

Cataloging audio collections in the digital format (Links to an external site.)Links to an external site.

Maguire, Marsha. "Description of Audio Recordings." ARSC Guide to Audio Preservation. 2015. Ed. Samuel Brylawski, Maya Lerman, Kathlin Smith, Robin Pike. CLiR. http://www.clir.org/pubs/reports/pub164/pub164.pdf

Otto, Jane J. "A Sound Strategy for Preservation: Adapting Audio Engineering Society Technical Metadata for Use in Multimedia Repositories," Cataloging & Classification Quarterly 48:5 (2010): 403-422 https://rucore.libraries.rutgers.edu/rutgers-lib/45764/ (Links to an external site.)Links to an external site.

April 24 - The Future of Audio Preservation and Review -

The Future of the field

Review for final

Reel-to-Reel tape transfer

May 1 – Final Exam

Policy on Academic Integrity

Students who violate University rules on academic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students, and the integrity of the University, policies on academic dishonesty will be strictly enforced. For further information, please visit the Student Conduct and Academic Integrity website at: http://deanofstudents.utexas.edu/conduct.

Policy on Academic Dishonesty

The University of Texas at Austin defines academic dishonesty as cheating, plagiarism, unauthorized collaboration, falsifying academic records, and any act designed to avoid participating honestly in the learning process. Scholastic dishonesty also includes, but is not limited to, providing false or misleading information to receive a postponement or an extension on a test, quiz or other assignment, and submission of essentially the same written assignment for two courses without the prior permission of faculty members.

Students should be aware that all required writing assignments may be submitted to a plagiarism-detection tool such as Turnitin.com. Turnitin is a software resource intended to address plagiarism and improper citation. The software works by cross-referencing submitted materials with an archived database of journals, essay, newspaper articles, books, and other published work. In addition, other methods may be used to determine the originality of the paper. This

software is not intended to replace or substitute for the faculty member's judgement regarding detection of plagiarism.

University Honor Code:

http://www.utexas.edu/about-ut/mission-core-purpose-honor-code

By accepting this syllabus and participating in the course, you have agreed to these guidelines and must adhere to them. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University.

For more information on scholastic dishonesty, please visit the Student Judicial Services web site at http://deanofstudents.utexas.edu/sjs/

Policy on Students with Disabilities

The University of Texas at Austin provides upon request appropriate accommodation for qualified students with disabilities. Any student with a documented disability (physical or cognitive) who requires academic accommodations should contact the Services for Students with Disabilities area of the Office of the Dean of Students at 471-6259 (voice) or 471-4641 (TTY for users who are deaf or hard of hearing) as soon as possible to request an official letter outlining authorized accommodations.

http://www.utexas.edu/diversity/ddce/ssd/ (Links to an external site.)Links to an external site.

Religious Holy Days

Religious holy days sometimes conflict with class and examination schedules. Sections 51.911 and 51.925 of the Texas Education Code address absences by students and instructors for religious holy days. Section 51.911 states that a student shall be excused from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. University policy required students to notify each of their instructors as far in advance of the absence as possible so that arrangements can be made.

By UT Austin policy, you must notify me of your pending absence at least fourteen days prior to the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you will be given an opportunity to complete the missed work within a reasonable time after the absence.

First assignment (presentation):   5%

Quiz on Readings   15%

Research paper outline: 5%

Research paper: 30%

Class participation: 30%

Final exam   15%