

Multimedia ETD Questions



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UMI Dissertations Publishing

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Nature of the Dissertation



- **General agreement that it should be an original and significant contribution to knowledge.**
- **The Council of Graduate Schools notes that the dissertation should serve as a demonstration that the student can perform at a professional level in his/her area of specialization.**

Nature of the Dissertation

- **From the perspective of an individual institution, dissertations represent part of the historical record of graduate education at the institution and part of the fund of intellectual property created at the institution.**
- **From a national perspective, the body of dissertation literature forms part of the history of graduate education in the country.**

Nature of the Dissertation

- **A dissertation is part of a student's records.**
 - “ANY RECORD, WITH CERTAIN EXCEPTIONS, MAINTAINED BY AN INSTITUTION THAT IS DIRECTLY RELATED TO A STUDENT OR STUDENTS. THIS RECORD CAN CONTAIN A STUDENT'S NAME, OR STUDENTS' NAMES OR INFORMATION FROM WHICH AN INDIVIDUAL STUDENT, OR STUDENTS, CAN BE PERSONALLY (INDIVIDUALLY) IDENTIFIED THESE RECORDS INCLUDE: FILES, DOCUMENTS, AND MATERIALS IN WHATEVER MEDIUM (HANDWRITING, PRINT, TAPES, DISKS, FILM, MICROFILM, MICROFICHE) WHICH CONTAIN INFORMATION DIRECTLY RELATED TO STUDENTS AND FROM WHICH STUDENTS CAN BE PERSONALLY (INDIVIDUALLY) IDENTIFIED.”
 - Richard Rainsberger, FERPA in the Digital Age: What You Need to Know, ECURE, 2001
- **One-of-a-kind documents.**

Preservation Issues



- **Multimedia presentations rely on the intense interaction between software and specific hardware capabilities. Refreshing and migration may not produce an exact duplication of the sound, image and text of the original.**

Preservation Issues



- **Multimedia preservation is the most difficult to perform.**
 - **“How do you preserve the work of a great chef?”**
 - **Save recipes?**
 - **Freeze dry food?**
 - **Gas chromatography of the aromas?”**

Michael Lesk, Preserving Digital Objects: Recurrent Needs and Challenges

Preservation Issues



- **Limit formats accepted**

- **Images**

- GIF (.gif)
- JPEG (.jpeg)
- PDF (.pdf) use Type 1 PostScript fonts
- TIFF (.tif)

- **Audio**

- | | |
|-------------|--------------|
| • AIF(.aif) | MIDI (.midi) |
| • CD-DA | SND (.snd) |
| • CD-ROM/XA | MPEG-2 |

Preservation Issues



- **Limit formats accepted**
 - **Video**
 - **Apple Quick Time (.mov)**
 - **Microsoft Audio Video Interleaved (.avi)**
 - **MPEG (.mpg)**

Preservation Issues



- **UMI Dissertations Publishing is a member of the Internet 2/CNI Performance Archive and Retrieval Working Group**

Preservation Issues



- **Tasks include:**
 - **Researching existing technologies and practices for recording and archiving events**
 - **Identifying standards for capturing digital audio and video**
 - **Identifying technologies for archiving, searching, delivery, and presentation**
 - **Building connections and consensus with scholarly publishing activities in the arts and humanities including digital thesis projects, performing arts archives and library special collections.**
 - **Developing a best practices document for event documentation**

Capture Questionnaire



- **Plans to go out into the community to inquire about current practice for archiving and preservation:**
 - **What do you capture?**
 - **How do you decide what to capture (selection)?**
 - **What formats do you put it in?**
 - **What metadata do you collect during capture?**
 - **What rights do you stipulate during capture?**
 - **How do you relate a script and a video of a play?**
 - **How do you relate a score and a recording of music?**

Digital Asset Management



- **Focus on long term storage, preservation and survivability of digital resources:**
 - **How do you archive for retrieval?**
 - **How do you organize your holdings?**
 - **Are digital objects integrated into OPAC or are they kept in a separate database?**
 - **Storage strategy**
 - **Original stored at one bit rate**
 - **Other encodings stored at other levels**
 - **Do you use multiple compression rates and also keep it online for streaming?**

Future Uses



- **The most interesting research breaks boundaries and defines new categories.**
 - **Will the computer and new media reshape the way we think about and represent knowledge?**
 - **The shift to non-linearity in entertainment**
 - **MTV**
 - **FOX - 24**
 - **Memento**

Contact Info



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