Dspace at Kalamazoo College

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Michigan Academic Library Council Meeting
Davenport University, Grand Rapids, MI
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Where We’re Headed

1. Choosing Dspace
2. DSpace Structure
3. Our Process
4. Evaluation
Choosing DSpace
Why Do We Need a Digital Archive?

1. Digital access and storage of student theses (SIPs)

2. Make historical/archival materials more widely available

3. Access to faculty work
But We Can’t Afford It...

Go consortial!
• “National Institute for Technology and Liberal Education”

• Established September 2001

• Support from Mellon Foundation

• Collaborations among faculty, IT, and librarians
Longsight Group

- Educational and nonprofit technology consultants
- Submitted Request for Proposal to NITLE
- Do all hosting, support, hardware/software upgrades, branding
- Suggested DSpace software
Why DSpace?

- **Open Source**
  - Cost Effective
  - Centralization of hosting/technical support
  - “Tweakable”

- **Sustainable**
  - Commitments by major entities (MIT, HP, Mellon)
  - Currently in production

- **Bonuses:**
  - Crawled by Google and OAImster!
  - Persistent URLs
  - Used by other reputable institutions

Now on FirstSearch!
Why DSpace?

- **Flexible enough for consortial use**
  - Each college has its own branding
  - Multiple workflows, formats, metadata types
  - Consortium-wide searching
  - Authentication/permissions

- **Control**
  - Ability to determine who has access to files
  - Collections can have varying permissions
DSpace Structure
DSpace + Manakin
Manakin

- Interface for DSpace
- Extensively customizable
- Not for the timid!
- Example: K College Photographs
  (http://dspace.nitle.org/handle/10090/26)
DSpace “Out of the Box”

- College of William & Mary
  - [http://digitalarchive.wm.edu/](http://digitalarchive.wm.edu/)

- European University Institute
  - [http://cadmus.eui.eu/](http://cadmus.eui.eu/)
Manakin Examples

- Texas A & M University
  - [http://repository.tamu.edu/](http://repository.tamu.edu/)

- Willamette University
  - [http://libmedia.willamette.edu/xmlui/community-list](http://libmedia.willamette.edu/xmlui/community-list)

- SUNY Buffalo
  - [http://ubir.buffalo.edu/xmlui](http://ubir.buffalo.edu/xmlui)

- West Texas Digital Archives
  - [http://wtda.alc.org/](http://wtda.alc.org/)

- Brock University
  - [http://dr.library.brocku.ca/handle/10464/5](http://dr.library.brocku.ca/handle/10464/5)
Who is Using DSpace?

- Thousands of installations
- [http://tinyurl.com/DSpaceUsers](http://tinyurl.com/DSpaceUsers)
DSpace Structure

- **Communities (Parents)**
  - Contain collections and other communities
    - Ex: Kalamazoo College Academic Departments
  - Correspond to departments/offices/projects

- **Collections (Children)**
  - Contain the actual stuff
    - Ex: Physics Department SIPs
DSpace Structure

Image courtesy of https://scholarbank.nus.edu.sg/faq
Kalamazoo College

Search within this community and its collections:

Advanced Search

Browse by
- Titles
- Authors
- Dates

Sub-communities within this community
- Kalamazoo College Academic Departments [3432]
- Kalamazoo College Administrative Offices [264]
- Kalamazoo College Athletics (RG50) [109]
- Kalamazoo College Biographical Materials (RG74) [30]
- Kalamazoo College Buildings and Facilities (RG71) [34]
- Kalamazoo College Centers and Institutes [790]
- Kalamazoo College Events [50]
- Kalamazoo College Faculty (RG30) [21]
- Kalamazoo College Historical Collections and Artwork (RG 76) [688]
- Kalamazoo College Photographs and Audiovisual Materials [506]
- Kalamazoo College Publications (Catalogs, Newspapers, Yearbooks, Alumni Magazines, etc.) (RG52) [324]
- Kalamazoo College Student Organizations and Activities (RG49) [75]
- Kalamazoo College - United States Tennis Association (USTA) Boys 16 & 16 National Tennis Championships (RG51) [35]

Collections in this community
- CACHE Administrator Documents [1]
- Kalamazoo College Digital Archive Documents [7]
- Kalamazoo College Sandbox [1]
This community contains collections of each academic department, major, and program at Kalamazoo College.

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Sub-communities within this community
- Kalamazoo College Department of Anthropology and Sociology (RG29/6.6) [156]
- Kalamazoo College Department of Art and Art History (RG29/1.1) [12]
- Kalamazoo College Department of Biology (RG29/4.1) [341]
- Kalamazoo College Department of Chemistry (RG29/4.2) [632]
- Kalamazoo College Department of Chinese [1]
- Kalamazoo College Department of Classics (RG29/2.2) [24]
- Kalamazoo College Department of Computer Science (RG 29/4.5) [3]
- Kalamazoo College Department of Economics and Business (RG29/6.1) [93]
- Kalamazoo College Department of Education (RG 29/6.2) [39]
- Kalamazoo College Department of English (RG29/2.1) [502]
- Kalamazoo College Department of German (RG29/2.4) [26]
- Kalamazoo College Department of History (RG29/6.3) [203]
Kalamazoo College Department of Biology (RG29/4.1)

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Collections in this community

- Kalamazoo College - Biology 115 - Environmental Science Posters [50]
- Kalamazoo College Biology Senior Individualized Projects [139]
- Kalamazoo College Diebold Symposium [152]

Recent Submissions

A Study of Duchenne Type Muscular Dystrophy and the Use of Serum Creatine Phosphokinase in the Diagnosis of the Disease and the Determination of the Female Carrier State

Northrup, Thomas E.; Jones, William D. (Kalamazoo College, 1967)

Auxin Transport

Nixon, John (Kalamazoo College, 1967)
Browsing Kalamazoo College Biology Senior Individualized Projects by Issue Date

Sort by: issue date  Order: ascending  Results: 20  Update

Now showing items 1-20 of 139

- Elementary Science Education: Theory and Practice
  Selke, Sharon Judith (Kalamazoo College, 04-01-1968)

- The Hereditary Factor in the Etiology of Certain Types of Human Cancer
  Heerens, Kiet (Kalamazoo College, 1965)

- Basic Research in Benthic Ecology in Hadley Harbor, Woods Hole, Massachusetts, with Special Emphasis on the Order Cumacea
  Solomon, Dehn (Kalamazoo College, 1965)

- The Pathogenesis and localization of the Atherosclerotic Plaque
  Benringer, Richard H. (Kalamazoo College, 1965)
Elementary Science Education: Theory and Practice

Title: Elementary Science Education: Theory and Practice
Author: Salke, Sharon Judith

Abstract: The purpose of this paper is to provide a broader perspective of science education by evaluating or re-evaluating its nature and objectives, presenting a few principles of psychology and education which are pertinent, and creating a hypothetical program using those objectives and principles as guidelines. This may not be the most efficient system, but it exists and I will work with it for the present. The paper also assumes somewhat that few elementary teachers have majored in a branch of science, but it is hoped that if not now, then in the future, they will have a basic background in scientific principles and thinking and some factual knowledge to illustrate these and add to textbook materials.

With honors.

Description: 60 p.
URI: http://hdl.handle.net/10099/15968
Date: 04-01-1980

Files in this item

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<th>Files</th>
<th>Size</th>
<th>Format</th>
<th>View</th>
</tr>
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<td>Sharon-SalkeSIP.pdf</td>
<td>3.144Mb</td>
<td>PDF</td>
<td>Searchable PDF / Kalamazoo College Only</td>
</tr>
</tbody>
</table>
Our Process
Getting Started

1. Establish administrator
2. Define what the IR is, what it’s for
3. Write documents
4. Start practicing!
Documents

- **Policy**
  - What/who/how/why

- **Non-Exclusive Distribution License**
  - Authors retain copyright, but K College can upload and distribute

- **Metadata Chart**
  - Defines metadata elements
  - Required or optional
  - Communities, collections, items

- **Procedures:** uploading, cataloging, managing
What to Digitize?

- **Time Sensitive/Multi-purpose**
  - 175th Anniversary photos

- **Easy to gather/Gateway to another project**
  - Old student theses/posters
  - Newsletters, faculty presentations

- **Useful**
  - Archival materials (College histories, yearbooks, newspapers)

- **Neat-o**
  - Songs, video
## What to Digitize?

- Recurring demands
- “Index” information
- Existing descriptive info
- Ease of digitizing materials
- Uniqueness
- Interesting discoveries
SIP Workflow

Student/staff scans material, OCRs, and adds security to file

Student/staff submits PDF file to DSpace and enters basic metadata information (name, title, date, abstract)

Librarian checks data record and adds additional metadata (advisor, sponsorship)
Evaluation
Pros and Cons

• Pro
  ○ Don’t worry about hardware/software, upgrades, etc.
  ○ Relatively easy to use (though jargony)
  ○ Low cost
  ○ Very customizable (look AND function)
  ○ Templates; Batch uploading

• Con
  ○ Little to no training or directions – WE became experts!
  ○ User community may not have answer/too busy/too techie
  ○ Some tweaks require IT expertise we don’t have
  ○ Consortium model can be wacky
Our Collections Today

- Focus on access; preservation not likely for everything
  - 50 GB of space – can buy more
  - Have used 10% to date (5GB)

- Most uploading done by IS staff and students
  - No staff dedicated to project
  - Ideally: distribute the work

- Working with WMU to digitize yearbooks and student newspapers
Our Current Plan

- Separate from NITLE DSpace consortium
- Use Longsight for hosting and service
- Customize interface
  - Branding
  - Ease of use
  - Logistics
Contact Me

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