Multiplying by Division: Mapping the Collection at University of North Texas Libraries

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Introduction

The University of North Texas (UNT) Libraries has developed a unique collection assessment tool, the **Collection Map**, to provide additional data and increased flexibility.
A Traditional Past
To which fund would *you* assign these books?

- Music
- Religious studies

**BV301-530** *Hymnology*
A Traditional Past

Individual fund

Funding

Assessment data
An Assessment-Based Future
An Assessment-Based Future

Collection 1 → Topic 1
Collection 2 → Topic 2
Collection 2 → Topic 3
To which fund would you assign these call number ranges?

**BV301-530**

*Hymnology*

- Music?
- Religious studies?

### Philosophy & Religion

<table>
<thead>
<tr>
<th>Call Number Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BV 290-530</td>
<td>Practical Theology: Hymnology. Music</td>
</tr>
<tr>
<td>BV 629-633</td>
<td>Practical Theology: Church and state</td>
</tr>
<tr>
<td>BV 653-657</td>
<td>Practical Theology: Mass media and telecommunication in religion</td>
</tr>
<tr>
<td>BV 5070-5099</td>
<td>Practical Theology: Mysticism</td>
</tr>
<tr>
<td>BX 1-9999</td>
<td>Christian Denominations</td>
</tr>
</tbody>
</table>

### Music

<table>
<thead>
<tr>
<th>Call Number Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BV 290-530</td>
<td>Practical Theology: Hymnology. Music</td>
</tr>
<tr>
<td>GR 885-886</td>
<td>Folklore: Music. Dancing</td>
</tr>
<tr>
<td>M 1-5000</td>
<td>Music. (Scores)</td>
</tr>
<tr>
<td>ML 1-3930</td>
<td>Literature on Music</td>
</tr>
<tr>
<td>MT 1-960</td>
<td>Musical Instruction and Study</td>
</tr>
</tbody>
</table>
An Assessment-Based Future

The sum of the parts is greater than the whole
An Assessment-Based Future

Success is not dependent on:

- **Balance**
- **Formulas**
- **Expenditures**

Instead, we ask: “Do we support research & teaching in this subject area?”
An Assessment-Based Future

One giant fund

Collection Map

Funding

Assessment Data
Objectives

• Proactively assess collections
• Monitor collections by format and subject
• Map WorldShare® Conspectus subjects to Libraries’ collections
• Compare WorldShare® holdings with the UNT collections
• Implement a sustainable method to map different items to the UNT collections based on call number
WorldShare© Collection Evaluation System (CES)

• Uses WorldCat® data

• Compare own collections with:
  – A peer-institution
  – A set of peers
  – Authoritative lists (e.g. Outstanding Academic Titles)

• Subject categorization based on the WLN/RLG Conspectus
Background

WorldShare® CES

- 11,251 Subjects
- Call number ranges
- aka Conspectus

UNT Libraries

- 59 Subject-based Collections

Collection Map
Methods

1. Defined Collections (Excel)

2. Set up Collection Map Database (Access)

3. Matched the Collection ranges to Conspectus ranges

4. Items Mapped to Conspectus Subjects ranges via LC Call Number

5. Items Mapped to Collections via Conspectus Subjects

Collection Ranges

Conspectus Subjects Ranges

Books with Call Numbers

Call #'s
1. Defined **Collections** with LC Ranges

<table>
<thead>
<tr>
<th>Collection</th>
<th>LC Class</th>
<th>LC Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>HF</td>
<td>5601-5690</td>
</tr>
<tr>
<td>Accounting</td>
<td>HF</td>
<td>5691-5716</td>
</tr>
<tr>
<td>Aerospace Studies</td>
<td>TL</td>
<td>500-779</td>
</tr>
<tr>
<td>Aerospace Studies</td>
<td>TL</td>
<td>780-786</td>
</tr>
<tr>
<td>Aerospace Studies</td>
<td>TL</td>
<td>787-4050</td>
</tr>
<tr>
<td>Anthropology</td>
<td>BF</td>
<td>1404-2049</td>
</tr>
<tr>
<td>Anthropology</td>
<td>BL</td>
<td>660-2699</td>
</tr>
<tr>
<td>Anthropology</td>
<td>CC</td>
<td>1-960</td>
</tr>
</tbody>
</table>
2. Set Up MS Access Database

All the Categories in each Division

All the Subjects in each Category and Division

All the Subjects in each Category

All the Categories in each Division
### 3. Mapped **Conspectus** to **Collections**

<table>
<thead>
<tr>
<th>B</th>
<th>C</th>
<th>D</th>
<th>G</th>
<th>H</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Accounting</td>
<td>HF</td>
<td>5601-5690</td>
<td>Commerce</td>
<td>Accounting</td>
</tr>
<tr>
<td>3</td>
<td>Accounting</td>
<td>HF</td>
<td>5691-5716</td>
<td>Commerce</td>
<td>Business mathematics</td>
</tr>
<tr>
<td>4</td>
<td>Aerospace Studies</td>
<td>TL</td>
<td>500-779</td>
<td>Motor Vehicles, Aeronautics, Aeronautics, Aeronautical engineering</td>
<td>TL500-559; TL570-578; TL586-589; TL600-699; TL701-733; TL760-769;</td>
</tr>
<tr>
<td>5</td>
<td>Aerospace Studies</td>
<td>TL</td>
<td>780-786</td>
<td>Motor Vehicles, Aeronautics, Aeronautics, Space travel</td>
<td>TL780-785</td>
</tr>
<tr>
<td>6</td>
<td>Aerospace Studies</td>
<td>TL</td>
<td>787-4050</td>
<td>Motor Vehicles, Aeronautics, Aeronautics, Space travel</td>
<td>TL787-795; TL796-798; TL875-954;</td>
</tr>
<tr>
<td>7</td>
<td>Anthropology</td>
<td>BF</td>
<td>1404-2049</td>
<td>Psychology, Parapsychology, Occult</td>
<td>BF1403-9999</td>
</tr>
<tr>
<td>8</td>
<td>Anthropology</td>
<td>BL</td>
<td>660-2699</td>
<td>Religion, History of principles of religions.</td>
<td>BL0-9999</td>
</tr>
<tr>
<td>9</td>
<td>Anthropology</td>
<td>CC</td>
<td>1-960</td>
<td>Archaeology (General), n/a</td>
<td>CC1-960</td>
</tr>
</tbody>
</table>

- **Original Range**
- **Closest Conspectus Range**
- **Each range could be in 1+ Collections**

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### Collections Conspectus Subjects

- Women's and Gender StudiesHQ1101-2030
- SociologyHQ1101-2030
- Educational PsychologyHQ1101-2030
- AnthropologyHQ1101-2030
- Women's and Gender StudiesHQ12-472
- PsychologyHQ12-472
- Educational PsychologyHQ12-472
- AnthropologyHQ12-472
- LGBT StudiesHQ12-472
- SociologyHQ12-472
4. Map Items to Conspectus

**DDA Titles**

<table>
<thead>
<tr>
<th>EbookID</th>
<th>LC Call Num</th>
<th>LC Call Parse</th>
<th>LC Class</th>
<th>LC Num</th>
<th>Conspectus</th>
</tr>
</thead>
<tbody>
<tr>
<td>134773</td>
<td>DC202.5 .G74 2003</td>
<td>DC 202 .5 .G 74 2003</td>
<td>DC</td>
<td>202</td>
<td>DC139-249</td>
</tr>
</tbody>
</table>

**Parsed Call #**
5. **Items Mapped to Collections**

Queries connect *items* to *collections* via the **Conspectus**.
Results

Any one item may be assigned to one or more subject-based collections

- Integrated interdisciplinary Collection Map
- One item – Many collections
- Mapping of item level data with LC call numbers
Limitation:
NOT a Zero-Sum game

• Sum is greater than the whole
  – Sum of titles by collection is greater than actual # of titles
Improvements

• Integrating resources currently **without** LC classification:
  – Interlibrary loan requests
  – Media
  – Electronic resources
Improvements

• Reviewing collections to be more inclusive of related subjects
• Weighting the subjects by relevance
  – Primary (major topics)
  – Secondary (minor topics)
  – Tertiary (required courses or supportive)
Utilization

• Accreditation reviews
• In-depth collection assessment
• Institutional peer comparisons
• Evaluation of expenditures
• Rapid updating in response to external and environmental changes
Questions?

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- Laurel Crawford*, Coordinator of Collection Development, laurel.crawford@unt.edu

University of North Texas Libraries, Denton TX

*speakers