**Using PBCore to Generate Metadata Describing an A/V Collections  
Lesson Components within a Digital Libraries Course for MLIS Students**

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These lesson components cover 4 weeks of class sessions toward the end of a course on Digital Libraries for MLIS students. The purpose of using PBCore in this way is to show how metadata principles of description can be applied in a context other than digital image indexing, which is the first context of practical application discussed earlier in this course. The pedagogical purpose of these learning components is to contrast PBCore-based A/V resource description with Dublin Core-based digital image indexing.

General Metadata Principles (from earlier in semester)

[Creating a Framework of Guidance for Building Good Digital Collections](http://framework.niso.org/) (3rd Edition - 2007)

* [Metadata Principles Overview](http://framework.niso.org/24.html)
  + [Metadata Principle 1](http://framework.niso.org/38.html): Good metadata conforms to community standards in a way that is appropriate to the materials in the collection, users of the collection, and current and potential future uses of the collection.
  + [Metadata Principle 2](http://framework.niso.org/25.html): Good metadata supports interoperability.
  + [Metadata Principle 3](http://framework.niso.org/26.html): Good metadata uses authority control and content standards to describe objects and collocate related objects.
  + [Metadata Principle 4](http://framework.niso.org/27.html): Good metadata includes a clear statement of the conditions and terms of use for the digital object.
  + [Metadata Principle 5](http://framework.niso.org/28.html): Good metadata supports the long-term management, curation, and preservation of objects in collections.
  + [Metadata Principle 6](http://framework.niso.org/29.html): Good metadata records are objects themselves and therefore should have the qualities of good objects, including authority, authenticity, archivability, persistence, and unique identification.

Applying General Descriptive Metadata Principles to A/V Resource Description Using PBCore

[An overview of PBCore](https://pbcore.org/tutorials) (PBCore website)

* Making an Asset Record
* Using Instantiations and Essence Tracks
* Using PBCore Extensions
* Using PBCoreCollections
* PBCore Controlled Vocabularies
* Using Other Terms with PBCore Controlled Vocabularies

Examining [PBCore elements and structure](https://pbcore.org/elements) in detail

Analyzing [sample PBCore records](https://pbcore.org/sample-records)

Introduction to [PBCore Cataloging Tool](https://pbcore.org/cataloging-tool)

CLASS PROJECT: Generating Descriptive Metadata Using PBCore

The purpose of this project is to provide the student with practical experience in developing an application for describing A/V resources using the PBCore metadata schema and the PBCore cataloging tool. The students will be provided with a collection of A/V resources, and they are to work together to compose and edit indexing guidelines and then to perform resource description on A/V resources provided for the project as follows:

* FIRST PROJECT DELIVERABLE: Give short presentation to the class on the PBCore element assigned to you.
* SECOND PROJECT DELIVERABLE: Complete the writing process for your assigned PBCore metadata element's indexing guidelines entry using the provided Wiki for the course.
* THIRD PROJECT DELIVERABLE: Complete the indexing of all assigned A/V resources using the PBCore cataloging tool instance implanted for this course. You are to use the indexing guidelines created in the second project phase above.