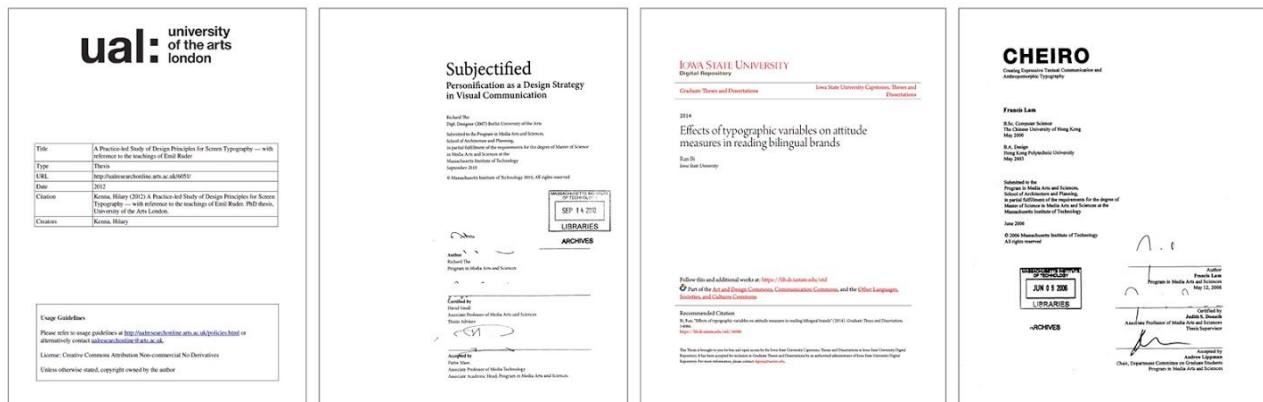


# Metadata Application Profile

Electronic Theses and Dissertations (ETDs)

Typography and Typographic Design



Version 1.0  
December 2020

INFO-663, Metadata Design  
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## Executive Summary

This Metadata Application Profile (MAP) outlines the fields, definitions, and mappings used to create metadata for a digital library of Electronic Theses and Dissertations (ETDs) on the subject of typography and typographic design. The MAP is meant to ensure consistent, rich descriptive and administrative metadata across these varied documents and support discovery by a variety of criteria. It follows best practices and recommendations for ETD metadata from the Networked Digital Library of Theses and Dissertations (NDLTD) and the Texas Digital Library (TDL), and uses two schemas: ETD-MS and MODS.

## Introduction

This Metadata Application Profile (MAP) outlines the fields, definitions, and mappings used to create metadata for a collection of Electronic Theses and Dissertations (ETDs) on the subject of typography and typographic design. This digital library will be of use to students, scholars, professionals, and others interested in typography, graphic design, and related fields.

The purpose of this document is to provide standards and guidance for the long-term stewardship of ETDs. The MAP is meant to ensure consistent, rich descriptive and administrative metadata across these varied documents and support discovery by a variety of criteria, including discipline, author, institution, and more. The profile follows best practices and recommendations for ETD metadata from the Networked Digital Library of Theses and Dissertations (NDLTD) and the Texas Digital Library (TDL). The element set thus uses both ETD-MS, an Interoperability Metadata Standard for Electronic Theses and Dissertations based on qualified Dublin Core and developed by NDLTD, and MODS (Metadata Object Description Schema) mappings. The profile includes 22 elements, 13 required and 9 optional.

The ETDs included come from various institutions, degree programs, and disciplines at multiple levels of education (master's and PhD). The documents have been collected into this new digital library in PDF format from each institution's own local repository. The ETDs come from universities around the world, although the majority are from the United States, and all are English-language documents.

The MAP was created for INFO-663: Metadata Design at Pratt Institute. This is the first version of the MAP, and incorporates feedback from the professor and classmates. While developed for this set of ETDs on the subject of typography, this profile may also be applicable to ETDs in other subject areas, particularly the humanities and social sciences.

## Principles and Values

These principles guided the creation of the MAP, and reflect the core concepts of the ETD digital library. Consistency, accuracy, respect for authors and their work, and attentiveness to the needs of different scholarly communities are some of the guiding principles.

1. High level of interoperability among different institutions, through consistency in cataloging, the use of established metadata standards, and the use of controlled vocabulary where useful.
2. Respect for authors and their work through clear description of intellectual property rights, consistent file formats, and identification of institutional rights.
3. Attention to the needs of the various scholarly communities involved: authors, scholars/researchers, and librarians and other information managers.
4. Support for the long-term preservation and curation of the work through continual review of standards, compliance with existing schema and vocabularies, and employing best practices for URI design.
5. Flexibility to accommodate a broad range of subject matter beyond the scope of the project's subject (typography).

## Functional Requirements

The functional requirements describe the capabilities of the ETD digital library and how a user should be able to access and interact with the collection. There are multiple access points for searching, browsing, and viewing.

We want users to:

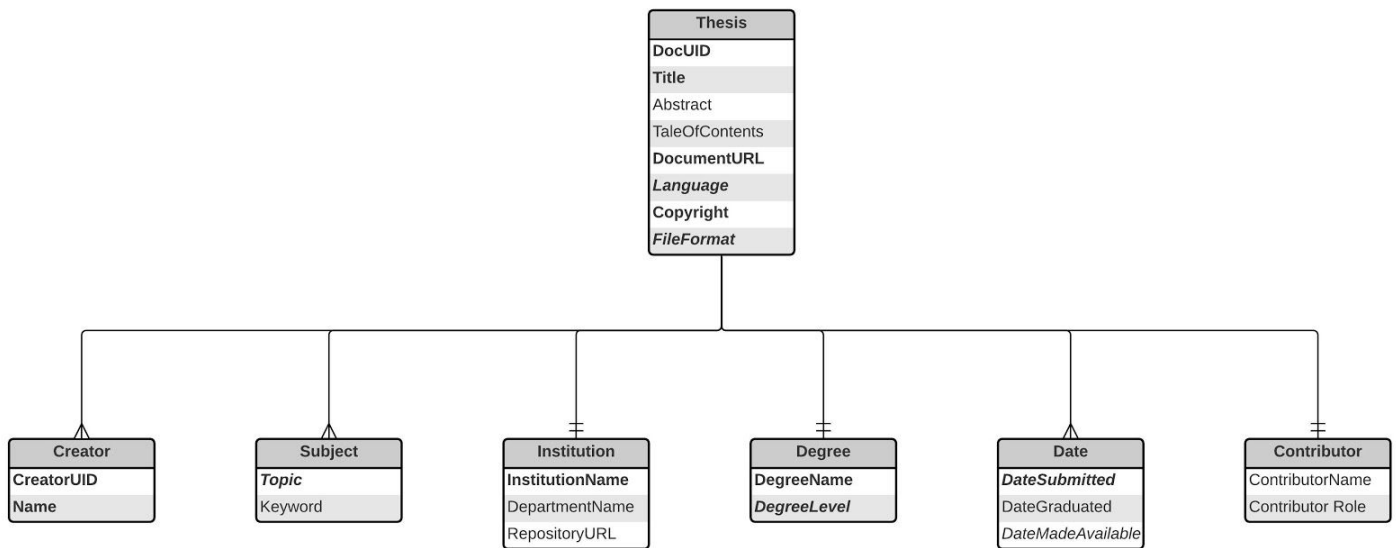
1. Search by title, summary/abstract of thesis, level, discipline, institution, advisor, author, topics/keywords
2. Browse by topic, discipline, author, level, institution
3. View title, summary, level, discipline, institution, author, topics, date (copyright, submitted, graduated, deposited)
4. Sort by submission date, level, institution

## Domain Model



The domain model illustrates the entities and relationships that are important for describing the ETD collection. This diagram shows the central entity, the thesis, along with its attributes as well as its relationship to a range of secondary entities and their attributes.

### Electronic Theses and Dissertations Domain Model

Version 3.0: December 10, 2020



#### KEY

<b>Bold Text</b> Required Element or Attribute	 = multiple cardinality permitted
<i>Italicized Text</i> Governed by Controlled Vocabulary	
Plain Text Non-required Element or Attribute	 = single cardinality

## Cataloging Guidelines

These guidelines should be followed when cataloging documents for the ETD digital library. Each ETD consists of a single document (a PDF); the vast majority of the metadata can be found in the document itself while a few fields require the cataloger's input, and may require outside sources. Some fields are automatically assigned by the repository and do not require any action by the cataloger.

For each element, the guidelines provide a mapping, format, cardinality, definition, instructions for inputting, example, and any other relevant information.

### Structure Standards

The base schemas for this project's Element Set are ETD-MS, an Interoperability Metadata Standard for Electronic Theses and Dissertations that is based on qualified Dublin Core, and MODS, the Metadata Object Description Schema. There is one local element, *subject.keyword*. (See the Element Guidelines below for more information, and [Appendix A](#) for the full Element Set.)

### Content Standards

Except where otherwise indicated, capitalization and formatting should follow standard English-language style rules, particularly for [titles](#). In general, capitalize the first word, proper names, and acronyms.

### Data Entry Instructions

Cataloging should be completed in the Entry Form spreadsheet. (See [Appendix B](#) for a copy of entry form.)

Key to the entry form header rows:

- **Bold** means that the field is required.
- *Blue italics* means that the field is repeatable. The entry form currently has only one column for each element. The cataloger should feel free to replicate these columns as many times as is necessary to fully describe the documents.

### Resources

ETD-MS v1.1: an Interoperability Metadata Standard for Electronic Theses and Dissertations, last modified July 18, 2015. <http://www.ndltd.org/standards/metadata>

Miller, Steven. "MODS: The Metadata Object Description Schema." *Metadata for Digital Collections*, Neal-Schuman, 2011, pp. 163–212.

MODS v3: Metadata Object Description Schema, "MODS Elements and Attributes," last modified July 22, 2020. <https://www.loc.gov/standards/mods/userguide/generalapp.html>

## Element Guidelines

### Document Identifier

<b>Mapping</b>	<i>dc:identifier</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No
<b>Definition</b>	Unique document identifier assigned by the repository
<b>Guidelines</b>	Document identifier will consist of the single capitalized letter 'D' and eight numbers. This identifier will be automatically generated by the repository cataloging system and does not require entry by the cataloger.
<b>Example</b>	D10000003

### Document Title

<b>Mapping</b>	<i>dc:title</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No
<b>Definition</b>	The name given to the thesis or dissertation
<b>Guidelines</b>	Taken from the title page of the document. Subtitles should be included in this field. If necessary for clarity, separate title and subtitle using a colon.
<b>Example</b>	CHEIRO: Creating Expressive Textual Communication and Anthropomorphic Typography

### Creator Name

<b>Mapping</b>	<i>mods:&lt;name&gt;&lt;namePart&gt;</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No (except in very rare cases)
<b>Definition</b>	The name of the author (student) responsible for the thesis or dissertation
<b>Guidelines</b>	This field should be entered as Last Name, First Name or Last Name, First Name Middle Name.
<b>Example</b>	Lam, Francis

### Creator Identifier

<b>Mapping</b>	<i>mods:&lt;name&gt;&lt;nameIdentifier&gt;</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No (except in very rare cases)
<b>Definition</b>	Unique person identifier assigned to each author by the repository
<b>Guidelines</b>	The person identifier will consist of the single capitalized letter 'P' and eight numbers. This identifier will be automatically generated by the repository cataloging system and does not require entry by the cataloger.
<b>Example</b>	P91730822

### Document Abstract

<b>Mapping</b>	<i>dc:description.abstract</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	No
<b>Repeatable?</b>	No
<b>Definition</b>	Summary of the thesis or dissertation
<b>Guidelines</b>	Enter as provided by the author as found within the document itself, formatted as a single paragraph. This field may be left blank if the author does not include an abstract.
<b>Example</b>	<p>Despite rapid technological advancement and improvement in network bandwidth, people still like to use text for remote communication. Simplicity, directness and anonymity make textual chat the most popular method of communication in the technology-mediated world. In face-to-face communication, people can use gestures, facial expressions, eye gaze and other body languages to alter, emphasize or strengthen their spoken words. Unfortunately, current textual platforms do not have a proper channel for these cues and signals. These non-linguistic cues are able to convey social and emotional information accompanied by the spoken words. I argue that a well-designed textual communication system can increase the expressiveness of text-based chat environments, and we need to have a better chat interface to improve our social interactions in the digital world. Cheiro is an exploration of user-centered gesture-based interfaces that enable expressive textual communication. My approach is to use common input devices, such as mouse or keyboard, as the gestural interface to amplify or change the tone and meaning of the text, and send non-linguistic signals using graphical elements and anthropomorphized kinetic typography. The goal of this thesis is to find an intuitive mapping between the user's gestural input and the graphically enhanced text output, which constructs a novel expressive textual communication platform.</p>



### **Table of Contents**

<b>Mapping</b>	<i>mods:&lt;tableofContents&gt;</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	No
<b>Repeatable?</b>	No
<b>Definition</b>	List of chapters or sections within the document
<b>Guidelines</b>	Table of contents should be entered as found within the document, excluding page numbers or any ellipses, and including only the chapter/section headings. If the author does not provide a table of contents, this field may be left blank. Note: Even if the document does contain a table of contents, this field may be left empty, at the cataloger's discretion, if the table would be overly long or unhelpful in describing the contents of the document.
<b>Example</b>	Acknowledgements Introduction Company History Brand Identity Preliminary Research Methods: SWOT & VB Outcomes: Designing the SWS Brand Identity Stationary system: Letterhead, envelopes, and business cards Interactive media: Web site and digital mobile media Ephemera: Shopping bag and Gift box EGD: Exterior, Directional, and Informational Vehicle graphics APC: Billboards and Print Advertisements Uniforms Conclusion References

### **Document URL**

<b>Mapping</b>	<i>dc:identifier.uri</i>
<b>Format</b>	<i>URI/URL</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No
<b>Guidelines</b>	Internet location of thesis or dissertation, which should link back to the document's location in its home institution. This field should be written as it appears in the document, if present; otherwise, the cataloger should locate the link via a web search.
<b>Example</b>	<a href="https://dspace.mit.edu/handle/1721.1/36156">https://dspace.mit.edu/handle/1721.1/36156</a>

### Repository URL

<b>Mapping</b>	<i>mods:&lt;location&gt;&lt;url&gt;</i>
<b>Format</b>	<i>URI/URL</i>
<b>Required?</b>	No
<b>Repeatable?</b>	No
<b>Definition</b>	Link to the home institutional repository where the thesis or dissertation is held
<b>Guidelines</b>	This link (distinct from <i>Document URL</i> ) only needs to be completed if the link appears in the document.
<b>Example</b>	<a href="https://dspace.mit.edu/">https://dspace.mit.edu/</a>

### Rights

<b>Mapping</b>	<i>dc:rights</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No
<b>Definition</b>	A description of the rights governing access and use of the document
<b>Guidelines</b>	Any rights statements found in the document should be included in this field, including: copyright date, reservations of rights (and by whom), and licensing provisions. As much as possible, these rights should be recorded in this field from the document verbatim. The cataloger should not infer any rights or licensing where not specified and should avoid rewording of rights statements found in the document. If no statement of rights can be found within the document, the cataloger should input: "No rights or licensing statement is available."
<b>Example</b>	© 2006 Massachusetts Institute of Technology All rights reserved

### Language

<b>Mapping</b>	<i>dc:language.iso</i>
<b>Format</b>	<a href="#">ISO 639-2</a>
<b>Required?</b>	Yes
<b>Repeatable?</b>	Yes
<b>Definition</b>	The language(s) in which the document was written
<b>Guidelines</b>	Cursory uses of another language (i.e., quotations or footnotes) should not be recorded. Multiple <i>Language</i> fields should only be used if, in the cataloger's judgment, significant portions of the document are in those languages.
<b>Example</b>	eng

### File Format

<b>Mapping</b>	<i>dc:format.mimetype</i>
<b>Format</b>	<a href="#">IANA MIME</a>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No
<b>Definition</b>	The file format in which the document has been made available
<b>Guidelines</b>	Refer to the format standard above.
<b>Example</b>	application/pdf

### Topic

<b>Mapping</b>	<i>dc:subject</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	Yes, with a maximum of 3
<b>Definition</b>	A term or phrase to represent a topic covered by the thesis or dissertation
<b>Guidelines</b>	Term(s) should be chosen by the cataloger from the <a href="#">Library of Congress Subject Headings</a> . Only LCSH terms may be used for this element. Since this element has a maximum of 3 terms, unlike other repeatable elements no columns should be added for <i>Topic</i> in the Entry Form.
<b>Example</b>	Graphic Design (Typography)

### **Keyword**

<b>Mapping</b>	<i>subject.keyword</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	Yes, for as many author-created keywords as can be identified in the document
<b>Definition</b>	A term or phrase chosen by the author of the thesis or dissertation that defines the scope of the project
<b>Guidelines</b>	The <i>Keyword</i> field is defined by the author, <i>and not by the cataloger</i> , and is therefore not constrained by controlled vocabulary. No keywords should be inferred aside from those specified in the document.
<b>Example</b>	Graphic design criticism

### **Level of Study**

<b>Mapping</b>	<i>thesis:degree.level</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No
<b>Definition</b>	Level of education associated with the thesis or dissertation
<b>Guidelines</b>	Only two levels are valid: Masters or Doctoral. (The latter includes post-doctoral.)
<b>Example</b>	Masters

### **Field of Study**

<b>Mapping</b>	<i>dc:degree.name</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	Yes
<b>Definition</b>	Name of the degree associated with the thesis or dissertation
<b>Guidelines</b>	This field should be written as it appears within the document.
<b>Example</b>	Masters of Science in Media Arts and Sciences

### **Date Submitted**

<b>Mapping</b>	<i>dc:date.submitted</i>
<b>Format</b>	<a href="#"><i>ISO 8601</i></a>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No
<b>Definition</b>	Date the thesis or dissertation was submitted to the author's institution
<b>Guidelines</b>	This field should include at least the year and month of submission and, if available, the day (i.e., YYYY-MM or YYYY-MM-DD). Date of thesis submission can be found within the document, usually under the "submitted to" section on the cover page.
<b>Example</b>	2006-05-12

### **Date Graduated**

<b>Mapping</b>	<i>mods:&lt;originInfo&gt;&lt;dateOther&gt;</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	No
<b>Repeatable?</b>	No
<b>Definition</b>	Date of author's graduation from the institution where the thesis or dissertation was submitted
<b>Guidelines</b>	This date may be inferred by <i>Date Submitted</i> . This field can be filled out using free text, depending on the information available from the document.
<b>Example</b>	June 2006

### **Date Made Available**

<b>Mapping</b>	<i>mods:&lt;originInfo&gt;&lt;dateIssued&gt;</i>
<b>Format</b>	<a href="#"><i>ISO 8601</i></a>
<b>Required?</b>	No
<b>Repeatable?</b>	No
<b>Definition</b>	Date thesis or dissertation entered into an institutional repository at the author's home institution
<b>Guidelines</b>	This field may be inferred, using the cataloger's judgment, for additional dates that do not correspond to <i>Date Submitted</i> or <i>Date Graduated</i> . This field may be represented by a library stamp or other marking.
<b>Example</b>	2006-06-09

### **Institution Name**

<b>Mapping</b>	<i>thesis:degree.grantor</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	Yes
<b>Repeatable?</b>	No
<b>Definition</b>	The institution which granted the degree for which the thesis or dissertation was written
<b>Guidelines</b>	The institution's name should be derived from the document itself and should represent the highest level of that institution. Specific schools or departments within that institution should not be included in this field (see <i>Department Name</i> ).
<b>Example</b>	Massachusetts Institute of Technology

### **Department Name**

<b>Mapping</b>	<i>thesis:degree.discipline</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	No
<b>Repeatable?</b>	No
<b>Definition</b>	The school within the institution for which the thesis or dissertation was written
<b>Guidelines</b>	This should be taken as stated from the document itself. This element should not repeat any portion of the <i>Institution Name</i> , nor should it include a more specific program name.
<b>Example</b>	School of Architecture and Planning

### **Contributor Name**

<b>Mapping</b>	<i>dc:contributor</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	No
<b>Repeatable?</b>	No
<b>Definition</b>	Name of an additional person, typically an advisor or committee member, involved in the creation or approval of the thesis or dissertation
<b>Guidelines</b>	The name should be found on the title page or equivalent of the document. This field should be expressed in the authorized form of the person's name, according to the <a href="#">Library of Congress Name Authority File</a> (LCNAF), if possible. Otherwise the field should be entered as Last Name, First Name or Last Name, First Name Middle Name.
<b>Example</b>	Donath, Judith S.

### **Contributor Role**

<b>Mapping</b>	<i>dc:contributor.role</i>
<b>Format</b>	<i>string</i>
<b>Required?</b>	No
<b>Repeatable?</b>	No
<b>Definition</b>	Role the additional person played in the creation or approval of the thesis or dissertation
<b>Guidelines</b>	This should be found on the title page or equivalent of the document. This field should be written as found in the document. Although the field is not required, each <i>Contributor Name</i> should ideally be cataloged with a respective role.
<b>Example</b>	Thesis Supervisor

## Conclusion

At first glance, Electronic Theses and Dissertations (ETDs) might appear extremely uniform. All ETDs consist of a single PDF file with a significant amount of metadata available on the first few pages. Catalogers should be aware that these documents can still vary greatly in format, especially when taken from different institutions, degree programs, and disciplines. The documents used to create the MAP varied greatly in their capitalization, inclusion and length of rights statements, dates, date formats, and other fields.

The creators of the MAP have taken these imprecisions into account in an attempt to make the metadata of these documents more meaningful and consistent. Catalogers can use the MAP to capture the imprecision of these documents more precisely. In doing so, catalogers will continue to ensure the preservation and stewardship of these materials over time as well as make this research available and accessible to the public.



## Appendix A: Element Set

The ETD collection uses two different schemas, [ETD-MS](#) (an Interoperability Metadata Standard for Electronic Theses and Dissertations based on qualified Dublin Core) and [MODS](#) (Metadata Object Description Schema). The element set includes 22 elements, 13 required and 9 optional, and describes how each is used. Each element in this set utilizes existing elements in those two schemas; there are no local elements.

## ETDs: MAP Element Set

Field*	Schema Mapping*	Domain	Expected Value or Range*	Definition	Cardinality*	Usage Notes	Source
Document Identifier	dc:identifier	Thesis	Integer (identifier)	Unique identifier assigned to each thesis	{1, 1}	Used to disambiguate similar titles	Internally assigned
Document Title	dc:title	Thesis	String	Title of the thesis as it appears on the title page	{1, 1}		Entered from source document
Creator Name	mods:<name><namePart>	Person	String	Name of the author responsible for the thesis	{1, n}		Entered from source document
Creator Identifier	mods:<name><nameIdentifier>	Person	Integer (identifier)	Unique identifier assigned to each author	{1, n}	Used to disambiguate similar names	Internally assigned
Document Abstract	dc:description.abstract	Thesis	String	Full text of the abstract provided by author	{0, 1}		Entered from source document
Table of Contents	mods:<tableOfContents>	Thesis	String	Table of contents for the thesis	{0, 1}		Entered from source document
Document URL	dc:identifier.uri	Thesis	URI/URL	Unique identifier of the web location of the thesis in URL format	{1, 1}		Entered from source document or insitutional repository
Repository URL	mods:<location><url>	Thesis	URI/URL	Unique identifier of the web location of the institutional repository in URL format	{0, 1}		Entered from source document or insitutional repository
Rights	dc:rights	Thesis	String	Copyright information and conditions governing use	{1, 1}		Entered from source document
Language	dc:language.iso	Thesis	String, ISO 639-2	Language the thesis was written in	{1, n}		Cataloger determined
File Format	dc:format.mimetype	Thesis	String, IANA MIME type	Digital format of thesis (e.g., application/pdf)	{1, 1}		Cataloger determined
Topic	dc:subject	Thesis	String, LCSH	Terms or phrases representing the primary topic(s) of the thesis	{1, 3}	LCSH	Cataloger determined
Keyword	dc:subject.keyword	Thesis	String, Free-text	Terms or phrases describing the project, as provided by the author	{0, n}		Entered from source document
Level of Study	thesis:degree.level	Thesis	String, Controlled vocabulary	Level of degree thesis was submitted for	{1, 1}	Only two options: Masters or Doctoral	Entered from source document
Field of Study	thesis:degree.name	Thesis	String	Name of degree or discipline of study	{1, n}		Entered from source document
Date Submitted	dc:date.submitted	Thesis	Datetime, ISO 8601	Date that the thesis was submitted to the home institution	{1, 1}		Entered from source document
Date Graduated	mods:<origininfo><dateOther>	Person	String	Date that the author graduated (e.g., May 2020)	{0, 1}		Entered from source document
Date Made Available	mods:<origininfo><dateIssued>	Thesis	Datetime, ISO 8601	Date that the thesis was published in the institutional repository	{0, 1}		Internally assigned
Institution Name	thesis:degree.grantor	Thesis	String	Name of the institution where thesis was produced	{1, 1}		Entered from source document
Department Name	thesis:degree.discipline	Thesis	String	Name of school of study (e.g. Department of Typography, School of Languages and Literature)	{0, 1}		Entered from source document
Contributor Name	dc:contributor	Person	String, LCNAF if possible	Name of other persons involved in thesis (e.g., advisors, committee members)	{0, n}		Entered from source document
Contributor Role	dc:contributor.role	Person	String	Role the contributor played in creation of the thesis	{0, n}		Entered from source document

## Appendix B:

### Metadata Entry Form

The [Entry Form](#), the mechanism for the cataloger to create metadata, is a spreadsheet that uses one row per document. One field (*Level of Study*) is controlled to only allow for two input options.

ETDs: MAP Cataloging Entry Form

document identifier	document title	creator name	creator identifier	document abstract	document table of contents	document URL
dc:identifer	dc:title	mods:<name><namePart>	mods:<name><nameIdentifier>	dc:description.abstract	mods:<tableofContents>	dc:identifer.uri
D10000001						
D10000002						
D10000003						
D10000004						
D10000005						
D10000006						
D10000007						
D10000008						
D10000009						
D10000010						
D10000011						
D10000012						
D10000013						
D10000014						
D10000015						
D10000016						
D10000017						
D10000018						

## ETDs: MAP Cataloging Entry Form

[illegible]

## ETDs: MAP Cataloging Entry Form

[illegible]

## Appendix C:

### Crosswalk

The crosswalk provides mappings from the ETD metadata elements to elements used by the Digital Public Library of America (DPLA). The ETD metadata elements are listed in the “Data Provider” column, with additional comments provided as needed.

# ETDs: MAP Crosswalk

Electronic Theses and Dissertations					
Collection name:	INFO 663 Electronic Theses and Dissertations [Fall 2020]				
Collection location:	<a href="https://docs.google.com/spreadsheets/d/1GOFujhJafuHjTnV7T5Dui8TwoirkX4VfsvMBCYj1fdA/">https://docs.google.com/spreadsheets/d/1GOFujhJafuHjTnV7T5Dui8TwoirkX4VfsvMBCYj1fdA/</a>				
DPLA Label	DPLA Property	ESDN MODS	Data Provider Collection	Comments	Use (from DPLA)
Alternative Title	dc:terms:alternative	<title type="alternative"><title>			Any alternative title of the described resource including abbreviations and translations
Contributor	dc:terms:contributor	<name><namePart> where <name> also contains <roleTerm>contributor</roleTerm></role>	dc:contributor	Because DPLA's Contributor label is repeatable, create multiple entries for each local dc:contributor entry	Entity responsible for making contributions to described resource
Creator	dc:terms:creator	<name><namePart> where <name> also contains <roleTerm>creator</roleTerm></role>	mods:<name><namePart>	Should only contain one value	Entity responsible for making described resource
Date	dc:date	<originInfo><dateCreated keyDate="yes"> or <originInfo><dateCreated keyDate="yes" point="start">	dc:date.submitted		Date value as supplied by data provider. EDTF
Description	dc:terms:description	<note type="content">	dc:description.abstract		Includes but is not limited to: an abstract, a table of contents, or a free-text account of described resource
Extent	dc:terms:extent	<physicalDescription><extent>			Size or duration of described resource
Format	dc:format	<physicalDescription><form> ; <genre>			Physical medium or dimensions of described resource
Identifier	dc:terms:identifier	<identifier>	dc:identifier		ID of described resource within a given context
Language	dc:terms:language	<language><languageTerm>	dc:language.iso		Language(s) of described resource. Strongly recommended for text materials. Lexvo
Place	dc:terms:spatial	<subject><geographic>			Spatial characteristics of described resource, such as a country, city, region, address or other geographical term. Captures aboutness
Publisher	dc:terms:publisher	<originInfo><publisher>	thesis:degree.grantor		Entity responsible for making the described resource available, typically the publisher of a text
Relation	dc:relation	<relatedItem><titleInfo><title> ; <relatedItem><location><url>			Related resource
Rights*	dc:rights	<accessCondition>	dc:rights		Information about rights held in and over the described resource. Typically, rights information includes a statement about various property rights associated with the described resource, including intellectual property rights
Subject	dc:terms:subject	<subject><topic> ; <subject><name><namePart> ; <subject><titleInfo><title>	dc:subject and dc:subject.keyword	Note that both of the local elements of Topic and Keyword are repeatable elements that crosswalk to DPLA's Subject. (The former is provided by the cataloger, and the latter by the document author.)	Topic of described resource
Temporal Coverage	dc:terms:temporal	<subject><temporal>			Temporal characteristics of the described resource. Captures aboutness
Title*	dc:terms:title	<titleInfo><title>	dc:title		Primary given to described resource
Type	dc:terms:type	<typeOfResource>	"Text"	All entries in this collection will have the same Type	Nature or genre of described resource. DCMIType
File Format	dc:format	<physicalDescription><internetMediaType>	dc:format.mimetype		Web resource format. Internet Media Types
Collection Title*	dc:terms:title	<relatedItem type="host" displayLabel="Collection"><titleInfo><title>	"INFO 663 Electronic Theses and Dissertations [Fall 2020]"	All entries in this collection will have the same Collection Title	Name of the collection or aggregation
Collection Description	dc:terms:description	<relatedItem type="host" displayLabel="Collection"><abstract>			Free-text account of aggregation, for example an abstract or content scope note
Data Provider*	edm:dataProvider	<note type="ownership">	"INFO 663 Electronic Theses and Dissertations [Fall 2020]"	All entries in this collection with have the same Data Provider	The organization or entity that supplies data to DPLA through a Provider
Is Shown At*	edm:isShownAt	<location><url usage="primary display" access="object in context">	dc:identifier.uri		Unambiguous URL reference to digital object in its full information context
Preview*	edm:Preview	<location><url access="preview">	dc:identifier.uri		The URL of a thumbnail, extract or other type of resource representing the digital object for the purposes of providing a preview
* Required					
<a href="#">DPLA Metadata Application Profile</a>					