Metadata Application Profile

Electronic Theses and Dissertations (ETDs)
Typography and Typographic Design


ual: university of the arts london

Title	A Practice-led Study of Design Principles for Screen Typography — with reference to the teachings of Emil Ruder
Type	Thesis
URL	http://ualresearchonline.arts.ac.uk/6051/
Date	2012
Citation	Kenna, Hilary (2012) A Practice-led Study of Design Principles for Screen Typography — with reference to the teachings of Emil Ruder. PhD thesis, University of the Arts London.
Creators	Kenna, Hilary

Usage Guidelines

Please refer to usage guidelines at http://ualresearchonline.arts.ac.uk/policies.html or alternatively contact ualresearchonline@arts.ac.uk.

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Subjectified

Personification as a Design Strategy in Visual Communication


IOWA STATE UNIVERSITY
Digital Repository

Graduate Theses and Dissertations — Iowa State University Capstones, Theses and Dissertations

2014

Effects of typographic variables on attitude measures in reading bilingual brands


CHEIRO

Creating Expressive Textual Communication and Anthropomorphic Typography

Francis Lam

B.Sc. Computer Science
The Chinese University of Hong Kong
May 2000

B.A. Design
Hong Kong Polytechnic University
May 2003

Submitted to the
Program in Media Arts and Sciences,
School of Architecture and Planning,
in partial fulfillment of the requirements for the degree of
Master of Science in Media Arts and Sciences at the
Massachusetts Institute of Technology

June 2006

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December 2020

INFO-663, Metadata Design
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Table of Contents

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 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

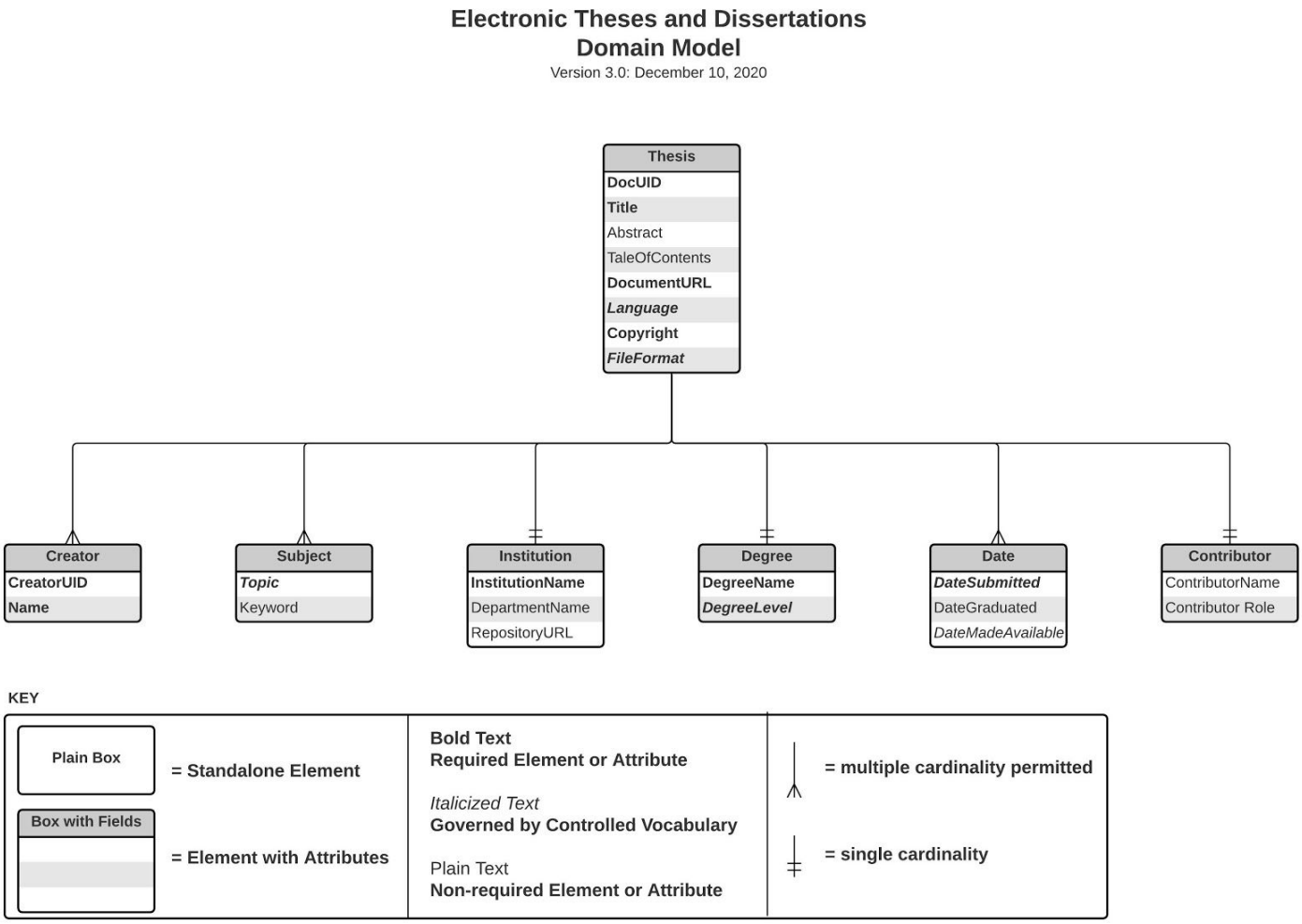
The functional requirements describe the capabilities of the ETD digital library and how a user should be able to access and interact with the collection. There are multiple access points for searching, browsing, and viewing.

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.



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.

Content standards

The base schemas for this project 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 are no local elements. (See Appendix A for more information on the elements.)

General Formatting

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

Elements

Document Identifier

Mapping	*dc:identifier*
Format	*string*
Required?	Yes
Repeatable?	No
Definition	Unique document identifier assigned by the repository
Guidelines	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.
Example	D10000003

Document Title

Mapping	*dc:title*
Format	*string*
Required?	Yes
Repeatable?	No
Definition	The name given to the thesis or dissertation
Guidelines	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.
Example	CHEIRO: Creating Expressive Textual Communication and Anthropomorphic Typography

Creator Name

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

Creator Identifier

Mapping	*mods:<name><nameIdentifer>*
Format	*string*
Required?	Yes
Repeatable?	No (except in very rare cases)
Definition	Unique person identifier assigned to each author by the repository
Guidelines	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.
Example	P91730822

Document Abstract

Mapping	*dc:description.abstract*
Format	*string*
Required?	No
Repeatable?	No
Definition	Summary of the thesis or dissertation
Guidelines	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.
Example	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.

Table of Contents

Mapping	*mods:<tableofContents>*
Format	*string*
Required?	No
Repeatable?	No
Definition	List of chapters or sections within the document
Guidelines	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.
Example	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

Mapping	*dc:identifier.uri*
Format	*URI/URL*
Required?	Yes
Repeatable?	No
Guidelines	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.
Example	https://dspace.mit.edu/handle/1721.1/36156

Repository URL

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

Rights

Mapping	*dc:rights*
Format	*string*
Required?	Yes
Repeatable?	No
Definition	A description of the rights governing access and use of the document
Guidelines	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.”
Example	© 2006 Massachusetts Institute of Technology All rights reserved

Language

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

File Format

Mapping	*dc:format.mimetype*
Format	*IANA MIME*
Required?	Yes
Repeatable?	No
Definition	The file format in which the document has been made available
Guidelines	Refer to the format standard above.
Example	application/pdf

Topic

Mapping	*dc:subject*
Format	*string*
Required?	Yes
Repeatable?	Yes, with a maximum of 3
Definition	A term or phrase to represent a topic covered by the thesis or dissertation
Guidelines	Term(s) should be chosen by the cataloger from the Library of Congress Subject Headings. Only LCSH terms may be used for this element.
Example	Graphic Design (Typography)

Keyword

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

Level of Study

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

Field of Study

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

Date Submitted

Mapping	*dc:date.submitted*
Format	*ISO 8601*
Required?	Yes
Repeatable?	No
Definition	Date the thesis or dissertation was submitted to the author's institution
Guidelines	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.
Example	2006-05-12

Date Graduated

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

Date Made Available

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

Institution Name

Mapping	*thesis:degree.grantor*
Format	*string*
Required?	Yes
Repeatable?	No
Definition	The institution which granted the degree for which the thesis or dissertation was written
Guidelines	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 *Department Name*).
Example	Massachusetts Institute of Technology

Department Name

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

Contributor Name

Mapping	*dc:contributor*
Format	*string*
Required?	No
Repeatable?	No
Definition	Name of an additional person, typically an advisor or committee member, involved in the creation or approval of the thesis or dissertation
Guidelines	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 Library of Congress Name Authority File (LCNAF), if possible. Otherwise the field should be entered as Last Name, First Name or Last Name, First Name Middle Name.
Example	Donath, Judith S.

Contributor Role

Mapping	*dc:contributor.role*
Format	*string*
Required?	No
Repeatable?	No
Definition	Role the additional person played in the creation or approval of the thesis or dissertation
Guidelines	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 *Contributor Name* should ideally be cataloged with a respective role.
Example	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 (identifer)	Unique identifer 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><nameIdentifer>	Person	Integer (identifer)	Unique identifer 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 identifer 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 identifer 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 identifer	**document title**	***creator name***	**creator identifer**	document abstract	document table of contents	document URL
dc:identifer	**dc:title**	***mods:<name><namePart>***	**mods:<name><nameIdentifer>**	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

repository URL	**rights**	***language***	**file format**	***topic***	*topic*	*topic*	*keyword*	**level of study**
mods:<location><url>	**dc:rights**	***dc:language.iso***	**dc:format.mimetype**	***dc:subject***	*dc:subject*	*dc:subject*	*dc:subject.keyword*	**thesis:degree.level**

ETDs: MAP Cataloging Entry Form

field of study	**date submitted**	date graduated	date made available	**institution name**	department name	*contributor name*	*contributor role*
thesis:degree.name	**dc:date.submitted**	mods:<originInfo><dateOther>	mods:<originInfo><dateIssued>	**thesis:degree.grantor**	thesis:degree.discipline	*dc:contributor*	*dc:contributor.role*

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:	https://docs.google.com/spreadsheets/d/1GOFujhjafuHjTnV7T5Dui8TwoirkX4VFsvMBCYj1fdA/				
DPLA Label	DPLA Property	**ESDN MODS**	**Data Provider Collection**	Comments	Use (from DPLA)
Alternative Title	dcterms:alternative	<title type="alternative"><title>			Any alternative title of the described resource including abbreviations and translations
Contributor	dcterms:contributor	<name><namePart> where <name> also contains <roleTerm>contributor</roleTerm></role>	dc:contributor	Because DPLA's Contributor label is repetable, create multiple entries for each local dc:contributor entry	Entity responsible for making contributions to described resource
Creator	dcterms: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	dcterms: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	dcterms:extent	<physicalDescription><extent>			Size or duration of described resource
Format	dc:format	<physicalDescription><form> ; <genre>			Physical medium or dimensions of described resource
Identifier	dcterms:identifier	<identifier>	dc:identifier		ID of described resource within a given context
Language	dcterms:language	<language><languageTerm>	dc:language.iso		Language(s) of described resource. Strongly recommended for text materials. Lexvo
Place	dcterms:spatial	<subject><geographic>			Spatial characteristics of described resource, such as a country, city, region, address or other geographical term. Captures aboutness
Publisher	dcterms: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 informations includes a statement about various property rights associated with the described resource, including intellectual property rights
Subject	dcterms: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	dcterms:temporal	<subject><temporal>			Temporal characteristics of the described resource. Captures aboutness
Title*	dcterms:title	<titleInfo><title>	dc:title		Primary given to described resource
Type	dcterms: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*	dcterms: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	dcterms: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**					
DPLA Metadata Application Profile					