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DigitalMaine Repository Master Metadata Guide

Maine State Library

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DIGITALMAINE REPOSITORY MASTER METADATA STYLE GUIDE

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Compiled by the Maine State Library

INTRODUCTION

This repository style guide is designed to help MSL Partners create the best metadata for all records entered into the DigitalMaine repository. The information within not only gives advice as to how to format fields and what information to include, but also when that information is required and if there are any special steps for entering it.

SPECIALIZED GALLERIES

The fields this document covers are found in our standard templates, there are times when due to different needs galleries have been set up to include special fields. Fields used only by individual galleries created by partners should be defined and forwarded to MSL for addition to this document. In general unique fields should conform to the general standards of this document.

TABLE OF CONTENTS

Introduction.....	1
Specialized Galleries.....	1
How to Use this Document	4
Batch Upload/Revise Overview.....	5
Metadata Application Profile.....	6
Title	7
Agency and/or Creator, Creator & Authors.....	8
Bureau/Division/Agency	9
Contributing Institution.....	9
Document Type	10
Identifier.....	12
ISBN.....	12
Description.....	13
Creation Date & Publication Date	14
Broad Creation Date	15
Dimensions.....	15
Duration.....	16
Language	16
Publisher	17
“Geolocate This Image”	17
Location	18
Other Location	18
City.....	19
Streaming Media.....	19
Keywords	20
Disciplines	21
Rights Statement.....	21
Supplemental Rights	22
Find It in the Catalog.....	22
Transcribe this Item	22
Cover Image	23
Appendix A- Gallery Fields Lists.....	24
Appendix B- Bureau/Division/Agency for Batch Revise	25

Appendix C- Contributors	27
Appendix D- Document Types for Batch Revise	27
Appendix E- Seasons for Batch Revise.....	27
Appendix F- Locations (Maine Towns & Cities) for Batch Revise	28
Appendix G- Media Format Values for Batch Revise	34
Appendix H- Disciplies Values for Batch Revise	34
Appendix I- Rights Statement Values for Batch Revise	42

HOW TO USE THIS DOCUMENT

The body of this document is a list of fields used in the DigitalMaine repository. Information on each field follows a standard format. Following the name of the field is a table listing three color coded types of information:

Information in red deals with required and/or default usage within DigitalMaine.

Information in purple is advice and/or guidelines for entering the metadata via batch spreadsheet, see [BATCH UPLOAD/REVISE OVERVIEW](#) for more information.

Information in green is about how the data in the fields are mapped to three different metadata standards. For more information on what the standards are and how mapping is used, see [METADATA APPLICATION PROFILE](#)

Under the table for each field there is: information about how the field is to be used in DigitalMaine, guidelines for best practices and examples of use.

Some items also have additional notes and advice for batch upload/revise as it pertains to that field. These notes will be in **purple** text.

BATCH UPLOAD/REVISE OVERVIEW

Digital Commons allows for batch uploading and revision of items in a gallery. Site Administrators determine which users have the right to use this feature; the users must have at least gallery level administrative access. Information that is helpful for batch uploading is included in this document.

At this time MSL only supports batch uploading via Excel. Eventually XML batch uploads may be supported.

	Field Data Type	Field Name as it appears on the Batch Spreadsheet
Batch Upload Field Name	Text	title

Digital Commons allows for several Field Data Types: the ones that will be found in DigitalMaine are list below:

- text: A single-line text box.
- textarea: A multi-line text box.
- WYSIWYG: A large text entry box with a set of tools allowing for easy HTML formatting.
- select: A drop-down list of options, or a multi-select list.
- checkbox: A small box that is selected with a checkmark when a user clicks on it.

When entering information via the spreadsheet some of these types have restrictions and formatting that must be followed:

- text: There are a few fields that the text is formatted, this will be noted in the Field Data Type information.
- select: You must enter exact values. With multi-select if you are entering more than one value they should be separated with a semi-colon “;”. The acceptable values can be found in the appendixes at the end of this document.
- checkbox: Accepts TRUE or FALSE

NOTE: Default options have to be entered for each item in the spreadsheet, they will not autofill.

Some fields have specific batch uploading information: it is found at the end of the field information with a label of “Batch Uploading Note”.

METADATA APPLICATION PROFILE

Fields used in DigitalMaine have been mapped to the Dublin Core Metadata Schema and to DPLA MAP.

There are three ways to access:

- A direct Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH) feed from DigitalMaine.
 - Output in Bepress Qualified Dublin Core, http://www.bepress.com/assets/xsd/oai_qualified_dc.xsd
 - This information is found in [OAI Qualified Dublin Core](#)
- OAI-PMH feed from our Repox harvester. This data has been transformed via a XLT style sheet, to conform to the Digital Public Library of America's (DPLA) standards for harvest.
 - Output in standard Qualified Dublin Core (QDC)
 - This information is found in [RepoX QDC](#)
- Mapping to DPLA MAP with the field label in parentheses. This information is based on the preliminary mapping provided to us 5/24/2017.
 - This information is found in [DPLA MAP](#)
 - The fields are in the DPLA MAP standard.

TITLE

Required?	Always	ALL records
Default Option	No	
Batch Upload Field Name	Text	title
OAI Qualified Dublin Core	Yes	dc:title
Reporx QDC	Yes	dc:title
DPLA MAP	Yes	dcterms:title (Title)

Whenever available, use the exact given title of an item, for example: the published title of a report. Some items, such as photographs, will not have an obvious title. In these cases use a short descriptive title.

- Use Headline Style capitalization e.g., Shellfish Program Newsletter
- Add the publication date, after a comma (year) at the end of the title for serial publications, if the date is not in the title
 1. Shellfish Program Newsletter, May 2012
- For descriptive titles:
 1. Try to answer who, what, when, and where. For example a title
 - For a portrait: William King, 1820-1821
 - For a letter: Peleg Wadsworth's Letter to his wife Betsey, about the Penobscot Expedition, July 31, 1779
 2. Do not guess, just use the information you have
 3. Keep it short, there is more room in the description field.

AGENCY AND/OR CREATOR, CREATOR & AUTHORS

Required?	Sometimes	Authors , Book Galleries records
Default Option	No	
Batch Upload Field Name	Text field	author1_fname, author1_mname, author1_lname, author1_suffix, author1_email, author1_institution, author1_is_corporate
	checkbox	author1_is_corporate
OAI Qualified Dublin Core	Yes	dc:creator
Repos QDC	Yes	dc:creator
DPLA MAP	Yes	dcterms:creator (Creator)

Enter the name(s) of the person, organization, and/or agency that created the original item. There can be more than one creator for an item.

1. Add the name First, Middle, Last, and Suffix into the fields provided.
 - If the creator is an organization, Bureau/Division and/or Agency, check the “corporate” box, and enter the information in the Institution field.
 2. To add another creator click “+” for a new entry, and repeat step one.
- Individuals should go before a “corporate” creator.
 - For State records:
 - Add individual authors, if given
 - Then add Bureau/Division
 - Then add Agency
 - If the author is known by two first initials (L. L. Bean) First initial in first name field second initial in middle names field.

Batch Uploading Note: The sheets default to have room for 5 authors. If more are needed, use the form to create one record with all the needed authors and then download the spreadsheet, which will now have room for more.

BUREAU/DIVISION/AGENCY

Required?	Sometimes	State Agency Records
Default Option	No	
Batch Upload Field Name	multi-select Appendix B	subject_area
OAI Qualified Dublin Core	Yes	dc:subject
Rebox QDC	Yes	dc:subject
DPLA MAP	Yes	dcterm:subject (Subject)

Select all values that apply starting with the largest parent bureau down to the smallest agency responsible. For each entry, highlight the value you want in the left “Available” menu and then click the “Select” button to move it to the right “Selected” field.

To remove incorrect values, highlight the item you want removed and click the “Remove” button.

CONTRIBUTING INSTITUTION

Required?	Sometimes	Partner and Special Collections Records
Default Option	No	
Batch Upload Field Name	Text	contributor
OAI Qualified Dublin Core	Yes	dc:contributor
Rebox QDC	Yes	dc:contributor
DPLA MAP	Yes	edm:dataProvider (Data Provider)

Official name of the contributing institution or submitting organization (where the original item is held). For example: New England Electric Railway Historical Society or Orrington Town Library.

- Make sure there is one consistent name, so all records are labeled the same.
- See [Appendix C](#) for current list

DOCUMENT TYPE

Required?	Sometimes	State Agency records
Default Option	Yes, depending on gallery type	For document- Text
		For images- Image
		For AV- MovingImage
Batch Upload Field Name	Dropdown, Appendix D	document_type
OAI Qualified Dublin Core	Yes	dc:type
Repos QDC	Yes	dc:type
DPLA MAP	Yes	dcterm:type (Type)

Dropdown options	Description	Example
Collection	An aggregation of resources. A collection is described as a group; its parts may also be separately described.	The video, transcript and handouts from a meeting.
Dataset	Data encoded in a defined structure.	Lists, tables, and databases.
Event	A non-persistent, time-based occurrence.	Exhibition, webcast, conference, workshop, open day, performance, battle, trial, wedding, tea party, conflagration.
Image	A visual representation other than text. Note that Image may include both electronic and physical representations. ALSO SEE Still Image, Moving Image. Use the most specific option.	Images and photographs of physical objects, paintings, prints, drawings, other images and graphics, animations and moving pictures, film, diagrams, maps, musical notation.
InteractiveResource	A resource requiring interaction from the user to be understood, executed, or experienced.	Web pages, applets, multimedia learning objects, chat services, or virtual reality environments.
MovingImage	A series of visual representations imparting an impression of motion when shown in succession. Instances of the type. Subcategory of Image, use the most specific option.	Animations, movies, television programs, videos, zoetropes, or visual output from a simulation.
PhysicalObject	An inanimate, three-dimensional object or substance. Note that digital representations of, or surrogates for, these objects should use Image, Text or one of the other types.	

Service	A system that provides one or more functions.	Photocopying service, banking, an authentication service, interlibrary loans, a Z39.50 or Web server.
Software	A computer program in source or compiled form.	
Sound	A resource primarily intended to be heard.	Music playback file format, an audio compact disc, and recorded speech or sounds.
StillImage	A static visual representation. Items that are not primarily text based, SEE Text Subcategory of Image, use the most specific option..	Paintings, drawings, graphic designs, plans and maps.
Text	A resource consisting primarily of words for reading. Note that facsimiles or images of texts are still of the genre Text.	Books, letters, dissertations, poems, newspapers, articles, archives of mailing lists.

Select the best option from the dropdown menu; for the most part this will be the default option. A few common items where this is not the case are:

- Use “StillImage” for maps, posters and other 2-d visual objects that are not photographs.
- Use “Sound” for audio only AV.
- Use “Collection” if there are multiple formats that are going into a single record, each of equal value.

IDENTIFIER

Required?	No	All non-book galleries
Default Option	No	
Batch Upload Field Name	Text	identifier
OAI Qualified Dublin Core	Not Mapped	
Repos QDC	Not Mapped	
DPLA MAP	Not Mapped	

This is a non-required field, which allows the contributor to record a meaningful local identifier for an item: this could be a catalog number, or location or other ID.

ISBN

Required?	No	Only available in Book Galleries
Default Option	No	
Batch Upload Field Name	Text	identifier
OAI Qualified Dublin Core	Not Mapped	
Repos QDC	Not Mapped	
DPLA MAP	Not Mapped	

The ISBN number of modern published books helps to establish the exact version of the book held. This is used in place of the identifier field in Book galleries.

DESCRIPTION

Required?	Sometimes	Image Gallery records, strongly recommended for all others
Default Option	No	
Batch Upload Field Name	WYSIWYG	abstract
OAI Qualified Dublin Core	Yes	dc:description.abstract
Reporx QDC	Yes	dcterms:abstract
DPLA MAP	Yes	dcterms:description (Description)

This is a free-text field. Enter a description of the item. It should include important information about the item's content and physical appearance that are not captured in any other field.

- The who, what, where, and when, if they are not captured elsewhere.
- For images include people's names and as much specific information as possible to describe what is going on in the image; this will help with access.
 - For examples of good descriptions see Flickr for Perkins School for the Blind: <https://www.flickr.com/photos/perkinsarchive/16450617579/in/album-72157650600717799/>
- Only include information you are sure of.
- This field has no character limit, but remember if the item is a text document, the full text of the document is also indexed, this means the document's written content is searchable, via the search bar and google.

CREATION DATE & PUBLICATION DATE

Required?	Sometimes	Book Galleries records (only “Year” required)
Default Option	No	
Batch Upload Field Name	Text, formatted as: YYYY-MM-DD	publication_date
	Dropdown Appendix E	season
OAI Qualified Dublin Core	Yes	dc:date.created
Repos QDC	Yes	dcterms:created
DPLA MAP	Yes	dc:date (Date)

Three drop down menus and a text field for year.

Options are:

- Year only
- Season & Year
- Month & Year
- Month, Day & Year

Year must be in YYYY format, ie: 1862.

Batch Uploading Note: The “publication_date” field is for Month, Day, and Year. If the spreadsheet already has items you will see them formatted as YYYY-MM-DD HH:MM for example 1950-05-02 00:00. You do not have to follow this formatting to enter data. There is an issue with bulk entering dates that are just Month & Year as Bepress default to making it the First of the month.

There is also a known issue with dates older than 1/1/1900, when using the excel sheet, older dates may cause error and will have to be entered manually.

BROAD CREATION DATE

Required?	No	
Default Option	No	
Batch Upload Field Name	Text	temporal_coverage
OAI Qualified Dublin Core	Yes	dc: coverage.temporal
RepoX QDC	Yes	dcterms:temporal
DPLA MAP	Yes	dcterms:temporal (Temporal Coverage)

This field allows for free text and is a place to capture date information that does not fit the formatting of the “Creation Date” field, above. For example:

- Circa Dates: when an exact date is not known, but can be limited to a decade.
Use:
 - ca. 1890 (when a general decade is known)
 - ca. 1827-1863 (when the date can be limited to being between specific end points)
- Date Ranges
 - 1999-2002

DIMENSIONS

Required?	No	Only available in Image Galleries
Default Option	No	
Batch Upload Field Name	Text	dimension
OAI Qualified Dublin Core	Yes	dc:format.extent
RepoX QDC	Yes	dcterms:extent
DPLA MAP	Yes	dcterms:extent (Extent)

The physical dimensions of the original object help the user understand the scale of the item. It is recommended for scanned photographs and maps.

- Use centimeters (cm)
- Height/length x width

DURATION

Required?	No	Only available in A/V Galleries
Default Option	No	
Batch Upload Field Name	Text, formatted hh:mm:ss	duration
OAI Qualified Dublin Core	Yes	dc:format.extent
Repos QDC	Yes	dcterms:extent
DPLA MAP	Yes	dcterms:extent (Extent)

Duration refers to the length of time of the sound or video recordings.

- 00:00:00 or hh:mm:ss format.

Batch Uploading Note: Make sure the field is set to format-> time-> 37:30:55. If there is not a two digit hour the first zero will not show up.

LANGUAGE

Required?	No	
Default Option	Sometimes, depending on gallery type	English Image Galleries- Blank
Batch Upload Field Name	Text	language
OAI Qualified Dublin Core	Yes	dc: language
Repos QDC	Yes	dc: language
DPLA MAP	Yes	dcterms: language (Language)

List all the languages that appear in the material written or spoken. Separate each with a semi-colon “;”.

- English
- English; French

For images only include a language if there is writing either in or on the image, including the back. Any text should be transcribed for accessibility.

PUBLISHER

Required?	No	Only available in Book Galleries
Default Option	No	
Batch Upload Field Name	Text	publisher
OAI Qualified Dublin Core	Yes	dc: publisher
Repos QDC	Yes	dc: publisher
DPLA MAP	Yes	dcterms: publisher (Publisher)

Publisher of the book. Use the name as it appears on the book.

“GEOLOCATE THIS IMAGE”

Required?	No	Only available in Image Galleries
Default Option	No	
Batch Upload Field Name	Text	latitude longitude
OAI Qualified Dublin Core	Yes	dc.coverage.spatial.lat, dc.coverage.spatial.long
Repos QDC	Yes	dcterms:spatial
DPLA MAP	Yes	dcterms:spatial (Place)

Type the name of the location (city, town, and state or named geographic feature) click “search this map”. The point will come up on the map. Check that it is correct

- DO NOT use any place that is more general than a specific town (ie:Maine) as the point will just be in the geographic center.
 - Use Location or Other Location fields for larger areas
- Different information can be searched:
 - City or town and state.
 - Named geographic feature, ie: Mount Katahdin or Sebago Lake
 - Exact street address.
 - Latitude, longitude coordinates

The point on the map can be dragged and moved.

LOCATION

Required?	No	All non-book galleries
Default Option	No	
Batch Upload Field Name	multi-select Appendix F	coverage_spatial
OAI Qualified Dublin Core	Yes	dc:coverage.spatial
Repos QDC	Yes	dcterms:spatial
DPLA MAP	Yes	dcterms:spatial (Place)

Select all values that apply; click the “+” next to each county to see Towns/Cities, Unnamed Townships ie: T1R5 WELS, can be found under County and then Unnamed Townships then click the “+” to open up the further menu.

Add Towns/Cities, Unnamed Townships FIRST. Then add County.

For each entry highlight the value you want in the left “Available” menu and then click the “Select” button to move to the right “Selected” field.

To remove incorrect values: highlight the item you want and click on the “Remove” button.

OTHER LOCATION

Required?	No	All non-book galleries
Default Option	No	
Batch Upload Field Name	Text	coverage_spatial_other
OAI Qualified Dublin Core	Yes	dc:coverage.spatial
Repos QDC	Yes	dcterms:spatial
DPLA MAP	Yes	dcterms:spatial (Place)

Free text field to add locations that are not on the list for the “Locations” field. Such as: geographic features, neighborhoods, non-current names, disbanded towns and places outside of Maine.

- If you are entering more than one value they should be separated with a semi-colon “;”.
- If the location is outside of Maine include full state name
 - Boston, Massachusetts
 - Washington, D.C.

CITY

Required?	No	Only available in Book Galleries
Default Option	No	
Batch Upload Field Name	Text	city
OAI Qualified Dublin Core	Yes	dc:coverage.spatial
Repos QDC	Yes	dcterms:spatial
DPLA MAP	Yes	dcterms:spatial (Place)

Location of the publisher of the book. Only available in Book Galleries

- Type out city, state and country if other than United States
 - Boston, Massachusetts
 - Portland, Maine
 - London, England
- Use full names not abbreviations.

STREAMING MEDIA

Required?	No	Only available in A/V Galleries
Default Option	No	
Batch Upload Field Name	Text, URL	multimedia_url
	dropdown, Appendix G	multimedia_format
OAI Qualified Dublin Core	Not Mapped	
Repos QDC	Not Mapped	
DPLA MAP	Not Mapped	

Enter the link to where the items can be found online, then select the type of media or platform where it can be found from the dropdown list.

KEYWORDS

Required?	No	
Default Option	No	
Batch Upload Field Name	Text	keywords
OAI Qualified Dublin Core	Yes	dc:subject
Reporx QDC	Yes	dc:subject
DPLA MAP	Yes	dcterms:subject (Subject)

Keywords are used to give other search points to the document. For the most part they should be nouns (both proper and not) and verbs that describe the item, both as an object , ie “Town Reports”, or the content, ie “Boats”. Avoid duplicating information captured in other fields such as names, dates and locations

- Separate keywords with a semi-colon “;”
- Capitalize all nouns.
 - Adult Entertainment Establishments Regulation
- Both spell out and use Acronyms.
 - AMHI; Augusta Mental Health Institute
- Use plural form.
 - Boats
- There is no limit to the number keywords use as many as are needed.

DISCIPLINES

Required?	No	
Default Option	Sometimes	Default options can be set at the gallery level in the gallery configuration tab
Batch Upload Field Name	multi-select Appendix H	disciplines
OAI Qualified Dublin Core	Yes	dc:subject
Repos QDC	Yes	dc:subject
DPLA MAP	Yes	dcterms:subject (Subject)

“Disciplines” is a multi-select list built into DigitalMaine by Bepress, the company that created the platform. The “Disciplines” field allows items to be discoverable via the Digital Commons Network that connects all intuitions who use the platform, and allows users to browse via “Discipline”.

https://www.bepress.com/reference_guide_dc/disciplines/

“Disciplines” are not in wide use in DigitalMaine and are not used at all in the State Documents Galleries.

To use the field, find the area(s) of study that best describes the content of the document. For each entry highlight the value you want on the left “Available” menu and then click the “Select” button to move to the right selected field. This can also be done at the gallery level via the configuration tab of the admin menu for the gallery.

RIGHTS STATEMENT

Required?	Yes	ALL records
Default Option	Yes	NO COPYRIGHT - UNITED STATES
Batch Upload Field Name	dropdown, Appendix I	rights_statement
OAI Qualified Dublin Core	Yes	dc:rights
Repos QDC	Yes	dc:rights
DPLA MAP	Yes	edm:rights (Rights)

- State Documents will always be- NO COPYRIGHT - UNITED STATES.

For others the statement that best describes the copyright status of the item should be used. Please see the video [“Who Owns My Stuff and How Do I Share It”](#) for more information on how to determine copyright status. Please keep notes and documentation of permissions and any research you have done to determine the status of the item.

SUPPLEMENTAL RIGHTS

Required?	No	
Default Option	No	
Batch Upload Field Name	WYSIWYG	rights
OAI Qualified Dublin Core	Not Mapped	
Repos QDC	Not Mapped	
DPLA MAP	Not Mapped	

This optional field is to be used when more information is needed to explain the rights statement. This could include, but not limited to detailing restrictions of use for “In Copyright” items, or other contractual or legal restrictions for “No Copyright” items. Information to contact copyright holder(s) for users to get permissions to use the work could also be included.

FIND IT IN THE CATALOG

Required?	No	Only available in Book Galleries
Default Option	No	
Batch Upload Field Name	Text, URL	catalog_link
OAI Qualified Dublin Core	Not Mapped	
Repos QDC	Not Mapped	
DPLA MAP	Not Mapped	

Enter the URL where the item can be found in URSUS or your local catalog.

TRANSCRIBE THIS ITEM

Required?	No	
Default Option	No	
Batch Upload Field Name	Text, URL	transcribe_item
OAI Qualified Dublin Core	Not Mapped	
Repos QDC	Not Mapped	
DPLA MAP	Not Mapped	

Enter the URL where the item can be found on the DigitalMaine Transcription Site. See the transcription site manual for more information.

COVER IMAGE

Required?	No	
Default Option	Yes	Automatically generated for Image Galleries. Default to first page of PDF for Book Galleries
Batch Upload Field Name	Text, URL	cover_image_url
OAI Qualified Dublin Core	Yes	dc:description
Repos QDC	Yes	dcterms:hasFormat
DPLA MAP	Yes	edm:preview (Preview)

The cover image or thumbnail is automatically generated for image collections. For Book galleries there is the option to use the first page of the PDF or to upload a separate image. Thumbnails are not generated for document series.

If your document does not generate a useful thumbnail, you may extract an appropriate page such as the title page from the PDF, convert it to JPG to use for the thumbnail.

Batch Uploading Note: The URL needs to be a web accessible, public link.

APPENDIX A- GALLERY FIELDS LISTS

Red highlighted fields are required.

State Documents

Image Gallery	Document Series/ Gallery	Book Gallery
Title	Title	Title
Agency and/ or Creator	Agency and/ or Creator	Agency and/ or Creator
Bureau/Division/Agency	Bureau/Division/Agency	Bureau/Division/Agency
Document Type	Document Type	Document Type
Identifier	Description	ISBN
Description	Creation Date	Description
Creation Date	Broad Creation Date	Publication Date
Broad Creation Date	Language	Publisher
Dimensions	Location	City
Language	Other Location	Language
Geolocate This Image	Keywords	Find in the Catalog
Location	Rights Statement	Keywords
Other Location	Supplemental Rights	Rights Statement
Keywords		Supplemental Rights
Rights Statement		
Supplemental Rights		

Partners & Special Collections

Image Gallery	Document Series/ Gallery	Audio/Visual	Book Gallery
Title	Title	Title	Title
Creator	Creator	Creator	Authors
Contributing Institution	Contributing Institution	Contributing Institution	Contributing Institution
Document Type	Document Type	Document Type	Document Type
Identifier	Identifier	Identifier	ISBN
Description	Description	Description	Description
Creation Date	Creation Date	Creation Date	Publication Date
Broad Creation Date	Broad Creation Date	Broad Creation Date	Publisher
Dimensions	Language	Duration	City
Language	Location	Language	Language
Geolocate This Image	Other Location	Location	Find in the Catalog
Location	Keywords	Other Location	Keywords
Other Location	Disciplines	Streaming Media	Disciplines
Keywords	Rights Statement	Keywords	Rights Statement
Disciplines	Supplemental Rights	Disciplines	Supplemental Rights
Rights Statement		Rights Statement	
Supplemental Rights		Supplemental Rights	

APPENDIX B- BUREAU/DIVISION/AGENCY FOR BATCH REVISE

1. Administrative and Financial Services
 - 1.1. Alcoholic Beverages and Lottery Operations
 - 1.2. Budget
 - 1.3. Employee Relations
 - 1.4. General Services
 - 1.5. Risk Management
 - 1.6. Human Resources
 - 1.7. Information Technology
 - 1.8. Revenue Services
 - 1.9. State Controller
 - 1.10. Tax Appeals
2. Agriculture, Conservation and Forestry
 - 2.1. Agricultural Resources Development
 - 2.2. Agricultural Water Management Board
 - 2.3. Animal and Plant Health
 - 2.4. Maine Coastal Program
 - 2.5. Conservation Newsletters
 - 2.6. Floodplain Management
 - 2.7. Forest Services
 - 2.8. Geological Survey
 - 2.8.1. Geology
 - 2.9. Harness Racing Commission
 - 2.10. Integrated Pest Management
 - 2.11. Land Use Planning Commission
 - 2.12. Maine Conservation Corps
 - 2.13. Milk Commission
 - 2.14. Municipal Planning Assistance
 - 2.15. Natural Areas
 - 2.16. Parks and Public Lands
 - 2.17. Pesticides Control
 - 2.18. Quality Assurance and Regulation
3. Arts Commission
4. Atlantic Salmon Commission
5. Attorney General
6. Auditor's Documents
7. Baxter Park Authority
8. Capital Planning Commission
9. Commission for Women
10. ConnectME Authority
11. Corrections
12. Cultural Affairs Council
13. Defense, Veterans and Emergency Management
 - 13.1. Maine Emergency Management Agency
 - 13.2. Maine Military Authority
 - 13.3. Maine National Guard
 - 13.4. Veterans Services
14. Developmental Disabilities Council
15. Economic and Community Development
16. Education
 - 16.1. Adult Education and Beyond High School
 - 16.2. Data and Reporting
 - 16.3. Operations and Student Services
 - 16.4. Special Populations
 - 16.5. Teaching and Learning
17. Environmental Protection
 - 17.1. Air Quality
 - 17.2. Land and Water Quality
 - 17.3. Remediation and Waste Management
18. Finance Authority
19. Governmental Ethics and Election Practices
20. Governor
 - 20.1. Governor's Audio
 - 20.2. Governor's Documents
 - 20.3. Governor's Energy Office
 - 20.4. Governor's Office of Policy and Management
 - 20.5. Maine Governor's Office of Health Policy
21. Health and Human Services
 - 21.1. Aging And Disability Services
 - 21.2. Audit - MaineCare and Social Services
 - 21.3. Center for Disease Control
 - 21.4. Child and Family Services
 - 21.5. Family Independence
 - 21.6. Licensing and Regulatory Services

- 21.7. MaineCare Services
- 21.8. Substance Abuse and Mental Health Services
- 22. Historic Preservation Commission
- 23. Housing Authority
- 24. Human Rights Commission
- 25. Indian Tribal-State Commission
- 26. InforME
- 27. Inland Fisheries and Wildlife
 - 27.1. Administrative Services
 - 27.2. Public Information and Education
 - 27.3. Resource Management
 - 27.4. Warden Service
- 28. Labor
 - 28.1. Center for Workforce Research and Information
 - 28.2. Employment Services
 - 28.3. Labor Relations Board
 - 28.4. Labor Standards
 - 28.5. Rehabilitation Services/Disability Services
 - 28.6. State Workforce Investment Board
 - 28.7. Unemployment Compensation
- 29. Legislature
 - 29.1. Maine House of Representatives
 - 29.2. Maine State Senate
 - 29.3. Office of Fiscal and Program Review
 - 29.4. Office of Policy and Legal Analysis
 - 29.5. Office of Program Evaluation and Government Accountability
- 30. Maine Aeronautics Commission
- 31. Library
 - 31.1. Book Collections at the Maine State Library
 - 31.2. Library Commission
 - 31.3. Library Development
 - 31.4. Reader and Information Services Division
 - 31.5. Map Collections at the Maine State Library
- 32. Marine Resources
 - 32.1. Marine Patrol
 - 32.2. Marine Science
 - 32.3. Public Health - Shellfish Program
- 33. Museum
- 34. Office of Energy Resources
- 35. Permanent Commission on the Status of Women
- 36. Professional and Financial Regulation
 - 36.1. Consumer Credit Protection
 - 36.2. Financial Institutions
 - 36.3. Insurance
 - 36.4. Professional and Financial Regulation
 - 36.5. Professional and Occupational Regulation
 - 36.6. Securities
- 37. Public Advocate Office
- 38. Public Employee Retirement System
- 39. Public Safety
 - 39.1. Criminal Justice Academy
 - 39.2. Emergency Medical Services
 - 39.3. Fire Marshal
 - 39.4. Highway Safety
 - 39.5. Police
- 40. Public Utilities Commission
 - 40.1. Emergency Services Communications
- 41. Secretary of State
 - 41.1. Archives
 - 41.2. Corporations, Elections and Commissions
 - 41.3. Motor Vehicles
- 42. Seed Potato Board
- 43. State Planning Office
- 44. Transportation
 - 44.1. Maine Pilotage Commission
- 45. Treasurer
- 46. Turnpike Authority
- 47. Workers' Compensation

APPENDIX C- CONTRIBUTORS

American Legion Post 4, Gardiner, Maine
 Aroostook Country Historical and Art Museum of
 Houlton
 Blue Hill Public Library
 Brewer Historical Society
 Brewer Public Library
 Canton Historical Society
 Cumberland Historical Society
 Dover-Foxcroft Historical Society
 Fayette Baptist Church
 Fort Fairfield Public Library
 Freeport Public Library
 Frost Memorial Library
 Glen Cove Alumni Association
 Islesford Historical Society
 Jean Paul Labonte
 Jesup Memorial Library
 Jonesport Historical Society
 Libby Memorial Library
 Long Lake Public Library
 Louis T. Graves Memorial Public Library

Maine State Archives
 Maine State Library
 New England Electric Railway Historical Society
 Orrington Historical Society
 Prince Memorial Library
 Rangeley Outdoor Sporting Heritage Museum
 Readfield Historical Society
 Rice Public Library
 Ste. Agathe Historical Society
 Stockholm Historical Society
 Surry Historical Society
 The Farmstead Press
 Town of Buckfield
 Town of Cumberland
 Town of Isle Au Haut
 Town of Islesford
 Town of Wayne
 Unitarian Universalist Church of Ellsworth
 Windham Hill United Church of Christ
 Winthrop Congregational Church, United Church of
 Christ

APPENDIX D- DOCUMENT TYPES FOR BATCH REVISE

Display Label	Value (use for Batch Revise)
Collection	collection
Dataset	dataset
Event	event
Image	image
Interactive Resource	interactive_resource
MovingImage	moving_image
Physical Object	physical_object
Service	service
Software	software
Sound	sound
Still Image	still_image
Text	text

APPENDIX E- SEASONS FOR BATCH REVISE

Winter
Spring
Summer
Fall

APPENDIX F- LOCATIONS (MAINE TOWNS & CITIES) FOR BATCH REVISE

1. Androscoggin County		2.37Island Falls	2.74.14 T10 R3 WELS
1.1	Auburn	2.38Limestone	2.74.15 T10 R6 WELS
1.2	Durham	2.39Linneus	2.74.16 T10 R7 WELS
1.3	Greene	2.40Littleton	2.74.17 T10 R8 WELS
1.4	Leeds	2.41 Ludlow	2.74.18 T11 R4 WELS
1.5	Lewiston	2.42 Macwahoc Plt	2.74.19 T11 R7 WELS
1.6	Lisbon	2.43 Madawaska	2.74.20 T11 R8 WELS
1.7	Livermore	2.44 Madawaska Lake Twp	2.74.21 T11 R9 WELS
1.8	Livermore Falls	2.45 Mapleton	2.74.22 T11 R10 WELS
1.9	Mechanic Falls	2.46 Mars Hill	2.74.23 T11 R11 WELS
1.10	Minot	2.47 Masardis	2.74.24 T11 R12 WELS
1.11	Poland	2.48 Merrill	2.74.25 T11 R13 WELS
1.12	Sabattus	2.49 Molunkus Twp	2.74.26 T11 R14 WELS
1.13	Turner	2.50 Monticello	2.74.27 T11 R15 WELS
1.14	Wales	2.51 Moro Plt	2.74.28 T11 R16 WELS
2. Aroostook County		2.52 Nashville Plt	2.74.29 T11 R17 WELS
2.1	Allagash	2.53 New Canada	2.74.30 T12 R7 WELS
2.2	Amity	2.54 New Limerick	2.74.31 T12 R8 WELS
2.3	Ashland	2.55 New Sweden	2.74.32 T12 R9 WELS
2.4	Bancroft	2.56 North Yarmouth	2.74.33 T12 R10 WELS
2.5	Benedicta Twp	Academy Grant Twp	2.74.34 T12 R11 WELS
2.6	Big Twenty Twp	2.57 Oakfield	2.74.35 T12 R12 WELS
2.7	Blaine	2.58 Orient	2.74.36 T12 R13 WELS
2.8	Bridgewater	2.59 Oxbow Plt	2.74.37 T12 R14 WELS
2.9	Caribou	2.60 Perham	2.74.38 T12 R15 WELS
2.10	Cary Plt	2.61 Portage Lake	2.74.39 T12 R16 WELS
2.11	Castle Hill	2.62 Presque Isle	2.74.40 T12 R17 WELS
2.12	Caswell	2.63 Reed Plt	2.74.41 T13 R5 WELS
2.13	Chapman	2.64 Saint Agatha	2.74.42 T13 R7 WELS
2.14	Connor Twp	2.65 Saint Croix Twp	2.74.43 T13 R8 WELS
2.15	Cox Patent	2.66 Saint Francis	2.74.44 T13 R9 WELS
2.16	Cross Lake Twp	2.67 Saint John Plt	2.74.45 T13 R10 WELS
2.17	Crystal	2.68 Sherman	2.74.46 T13 R11 WELS
2.18	Cyr Plt	2.69 Silver Ridge Twp	2.74.47 T13 R12 WELS
2.19	Dudley Twp	2.70 Smyrna	2.74.48 T13 R13 WELS
2.20	Dyer Brook	2.71 Squapan Twp	2.74.49 T13 R14 WELS
2.21	E Twp	2.72 Stockholm	2.74.50 T13 R15 WELS
2.22	Eagle Lake	2.73 Upper Molunkus Twp	2.74.51 T13 R16 WELS
2.23	Easton	2.74 Unnamed Townships	2.74.52 T14 R5 WELS
2.24	Forkstown Twp	2.74.1 T1 R5 WELS	2.74.53 T14 R6 WELS
2.25	Fort Fairfield	2.74.2 T2 R4 WELS	2.74.54 T14 R7 WELS
2.26	Fort Kent	2.74.3 T3 R3 WELS	2.74.55 T14 R8 WELS
2.27	Frenchville	2.74.4 T3 R4 WELS	2.74.56 T14 R9 WELS
2.28	Garfield Plt	2.74.5 T4 R3 WELS	2.74.57 T14 R10 WELS
2.29	Glenwood Plt	2.74.6 T7 R5 WELS	2.74.58 T14 R11 WELS
2.30	Grand Isle	2.74.7 T8 R3 WELS	2.74.59 T14 R12 WELS
2.31	Hamlin	2.74.8 T8 R5 WELS	2.74.60 T14 R13 WELS
2.32	Hammond	2.74.9 T9 R3 WELS	2.74.61 T14 R14 WELS
2.33	Haynesville	2.74.10 T9 R4 WELS	2.74.62 T14 R15 WELS
2.34	Hersey	2.74.11 T9 R5 WELS	2.74.63 T14 R16 WELS
2.35	Hodgdon	2.74.12 T9 R7 WELS	2.74.64 T15 R5 WELS
2.36	Houlton	2.74.13 T9 R8 WELS	2.74.65 T15 R6 WELS

2.74.66	T15 R8 WELS	3.17	New Gloucester	4.42.1	Township 6
2.74.67	T15 R9 WELS	3.18	North Yarmouth		North of Weld
2.74.68	T15 R10 WELS	3.19	Portland	4.42.2	Township D
2.74.69	T15 R11 WELS	3.20	Pownal	4.42.3	Township E
2.74.70	T15 R12 WELS	3.21	Raymond	4.43	Washington Twp
2.74.71	T15 R13 WELS	3.22	Scarborough	4.44	Weld
2.74.72	T15 R14 WELS	3.23	Sebago	4.45	Wilton
2.74.73	T15 R15 WELS	3.24	South Portland	4.46	Wyman Twp
2.74.74	T16 R5 WELS	3.25	Standish	5. Hancock County	
2.74.75	T16 R6 WELS	3.26	Westbrook	5.1	Amherst
2.74.76	T16 R8 WELS	3.27	Windham	5.2	Aurora
2.74.77	T16 R9 WELS	3.28	Yarmouth	5.3	Bar Harbor
2.74.78	T16 R12 WELS	4. Franklin County		5.4	Blue Hill
2.74.79	T16 R13 WELS	4.1	Alder Stream Twp	5.5	Brooklin
2.74.80	T16 R14 WELS	4.2	Avon	5.6	Brooksville
2.74.81	T17 R3 WELS	4.3	Beattie Twp	5.7	Bucksport
2.74.82	T17 R4 WELS	4.4	Carrabassett Valley	5.8	Castine
2.74.83	T17 R12 WELS	4.5	Carthage	5.9	Cranberry Isles
2.74.84	T17 R13 WELS	4.6	Chain of Ponds Twp	5.10	Dedham
2.74.85	T17 R14 WELS	4.7	Chester ville	5.11	Deer Isle
2.74.86	T18 R10 WELS	4.8	Coburn Gore	5.12	Eastbrook
2.74.87	T18 R11 WELS	4.9	Coplin Plt	5.13	Ellsworth
2.74.88	T18 R12 WELS	4.10	Dallas Plt	5.14	Fletchers Landing Twp
2.74.89	T18 R13 WELS	4.11	Davis Twp	5.15	Franklin
2.74.90	T19 R11 WELS	4.12	Eustis	5.16	Frenchboro
2.74.91	T19 R12 WELS	4.13	Farmington	5.17	Gouldsboro
2.74.92	TA R2 WELS	4.14	Freeman Twp	5.18	Great Pond
2.74.93	TC R2 WELS	4.15	Gorham Gore	5.19	Hancock
2.74.94	TD R2 WELS	4.16	Industry	5.20	Hancock County Island
2.75	Van Buren	4.17	Jay	5.21	Lamoine
2.76	Wade	4.18	Jim Pond Twp	5.22	Mariaville
2.77	Wallagrass	4.19	Kibby Twp	5.23	Mount Desert
2.78	Washburn	4.20	Kingfield	5.24	Oqiton Twp
2.79	Webbertown Twp	4.21	Lang Twp	5.25	Orland
2.80	Westfield	4.22	Lowelltown Twp	5.26	Osborn
2.81	Westmanland	4.23	Madrid Twp	5.27	Otis
2.82	Weston	4.24	Massachusetts Gore	5.28	Penobscot
2.83	Winterville Plt	4.25	Merrill Strip Twp	5.29	Sedgwick
2.84	Woodland	4.26	Mount Abram Twp	5.30	Sorrento
3. Cumberland County		4.27	New Sharon	5.31	Southwest Harbor
3.1	Baldwin	4.28	New Vineyard	5.32	Stonington
3.2	Bridgton	4.29	Perkins Twp	5.33	Sullivan
3.3	Brunswick	4.30	Phillips	5.34	Surry
3.4	Cape Elizabeth	4.31	Rangeley	5.35	Swans Island
3.5	Casco	4.32	Rangeley Plt	5.36	Tremont
3.6	Chebeague Island	4.33	Redington Twp	5.37	Trenton
3.7	Cumberland	4.34	Salem Twp	5.38	Unnamed Townships
3.8	Falmouth	4.35	Sandy River Plt	5.38.1	T3 ND
3.9	Freeport	4.36	Seven Ponds Twp	5.38.2	T7 SD
3.10	Frye Island	4.37	Skinner Twp	5.38.3	T9 SD
3.11	Gorham	4.38	Stetsontown Twp	5.38.4	T10 SD
3.12	Gray	4.39	Strong	5.38.5	T16 MD
3.13	Harpwell	4.40	Temple	5.38.6	T22 MD
3.14	Harrison	4.41	Tim Pond Twp	5.38.7	T28 MD
3.15	Long Island	4.42	Unnamed Townships	5.38.8	T32 MD
3.16	Naples			5.38.9	T34 MD

5.38.10	T35 MD	7.17	Thomaston	9.28	Magalloway Plt
5.38.11	T39 MD	7.18	Union	9.29	Mason Twp
5.38.12	T40 MD	7.19	Vinalhaven	9.30	Mexico
5.38.13	T41 MD	7.20	Warren	9.31	Milton Twp
5.39	Verona Island	7.21	Washington	9.32	Newry
5.40	Waltham	8. Lincoln County		9.33	Norway
5.41	Winter Harbor	8.1	Alna	9.34	Otisfield
6. Kennebec County		8.2	Boothbay	9.35	Oxbow Twp
6.1	Albion	8.3	Boothbay Harbor	9.36	Oxford
6.2	Augusta	8.4	Bremen	9.37	Paris
6.3	Belgrade	8.5	Bristol	9.38	Parkertown Twp
6.4	Benton	8.6	Damariscotta	9.39	Parmachenee Twp
6.5	Chelsea	8.7	Dresden	9.40	Peru
6.6	China	8.8	Edgecomb	9.41	Porter
6.7	Clinton	8.9	Hibberts Gore	9.42	Richardsontown Twp
6.8	Farmingdale	8.10	Jefferson	9.43	Riley Twp
6.9	Fayette	8.11	Lincoln County Island	9.44	Roxbury
6.10	Gardiner	8.12	Monhegan Island Plt	9.45	Rumford
6.11	Hallowell	8.13	Newcastle	9.46	Stoneham
6.12	Litchfield	8.14	Nobleboro	9.47	Stow
6.13	Manchester	8.15	Somerville	9.48	Sumner
6.14	Monmouth	8.16	South Bristol	9.49	Sweden
6.15	Mount Vernon	8.17	Southport	9.50	Township C
6.16	Oakland	8.18	Waldoboro	9.51	Upper Cupsuptic Twp
6.17	Pittston	8.19	Westport Island	9.52	Upton
6.18	Randolph	8.20	Whitefield	9.53	Waterford
6.19	Readfield	8.21	Wiscasset	9.54	West Paris
6.20	Rome	9. Oxford County		9.55	Woodstock
6.21	Sidney	9.1	Adamstown Twp	10. Penobscot County	
6.22	Unity Twp	9.2	Albany Twp	10.1	Alton
6.23	Vassalboro	9.3	Andover	10.2	Argyle Twp
6.24	Vienna	9.4	Andover North Surplus	10.3	Bangor
6.25	Waterville	9.5	Andover West Surplus	10.4	Bradford
6.26	Wayne		Twp	10.5	Bradley
6.27	West Gardiner	9.6	Batchelders Grant Twp	10.6	Brewer
6.28	Windsor	9.7	Bethel	10.7	Burlington
6.29	Winslow	9.8	Bowmantown Twp	10.8	Carmel
6.30	Winthrop	9.9	Brownfield	10.9	Carroll Plt
7. Knox County		9.10	Buckfield	10.10	Charleston
7.1	Appleton	9.11	Byron	10.11	Chester
7.2	Camden	9.12	C Surplus	10.12	Clifton
7.3	Criehaven Twp	9.13	Canton	10.13	Corinna
7.4	Cushing	9.14	Denmark	10.14	Corinth
7.5	Friendship	9.15	Dixfield	10.15	Dexter
7.6	Hope	9.16	Fryeburg	10.16	Dixmont
7.7	Isle Au Haut	9.17	Gilead	10.17	Drew Plt
7.8	Knox County Island	9.18	Grafton Twp	10.18	East Millinocket
7.9	Matinicus Isle Plt	9.19	Greenwood	10.19	Eddington
7.10	Muscle Ridge Shoals	9.20	Hanover	10.20	Edinburg
	Twp	9.21	Hartford	10.21	Enfield
7.11	North Haven	9.22	Hebron	10.22	Etna
7.12	Owls Head	9.23	Hiram	10.23	Exeter
7.13	Rockland	9.24	Lincoln Plt	10.24	Garland
7.14	Rockport	9.25	Lovell	10.25	Glenburn
7.15	Saint George	9.26	Lower Cupsuptic Twp	10.26	Grand Falls Twp
7.16	South Thomaston	9.27	Lynchtown Twp	10.27	Greenbush

10.28 Greenfield Twp
 10.29 Grindstone Twp
 10.30 Hampden
 10.31 Hermon
 10.32 Herseytown Twp
 10.33 Holden
 10.34 Hopkins Academy
 Grant Twp
 10.35 Howland
 10.36 Hudson
 10.37 Indian Island
 10.38 Kenduskeag
 10.39 Kingman Twp
 10.40 Lagrange
 10.41 Lakeville
 10.42 Lee
 10.43 Levant
 10.44 Lincoln
 10.45 Long A Twp
 10.46 Lowell
 10.47 Mattamiscontis Twp
 10.48 Mattawamkeag
 10.49 Maxfield
 10.50 Medway
 10.51 Milford
 10.52 Millinocket
 10.53 Mount Chase
 10.54 Newburgh
 10.55 Newport
 10.56 Old Town
 10.57 Orono
 10.58 Orrington
 10.59 Passadumkeag
 10.60 Patten
 10.61 Plymouth
 10.62 Prentiss Twp T7 R3
 NBPP
 10.63 Pukakon Twp
 10.64 Seboeis Plt
 10.65 Soldiertown Twp T2
 R7 WELS
 10.66 Springfield
 10.67 Stacyville
 10.68 Stetson
 10.69 Summit Twp
 10.70 Unnamed Townships
 10.70.1 T1 R6 WELS
 10.70.2 T1 R8 WELS
 10.70.3 T2 R8 NWP
 10.70.4 T2 R8 WELS
 10.70.5 T2 R9 NWP
 10.70.6 T3 Indian
 Purchase Twp
 10.70.7 T3 R1 NBPP
 10.70.8 T3 R7 WELS
 10.70.9 T3 R8 WELS

10.70.10 T3 R9 NWP
 10.70.11 T4 Indian
 Purchase Twp
 10.70.12 T4 R7 WELS
 10.70.13 T4 R8 WELS
 10.70.14 T5 R7 WELS
 10.70.15 T5 R8 WELS
 10.70.16 T6 R6 WELS
 10.70.17 T6 R7 WELS
 10.70.18 T6 R8 WELS
 10.70.19 T7 R6 WELS
 10.70.20 T7 R7 WELS
 10.70.21 T7 R8 WELS
 10.70.22 T8 R6 WELS
 10.70.23 T8 R7 WELS
 10.70.24 T8 R8 WELS
 10.70.25 TA R7 WELS
 10.71 Veazie
 10.72 Veazie Gore
 10.73 Webster Plt
 10.74 Winn
 10.75 Woodville
11. Piscataquis County
 11.1 Abbot
 11.2 Atkinson
 11.3 Barnard Twp
 11.4 Beaver Cove
 11.5 Big Moose Twp
 11.6 Blanchard Twp
 11.7 Bowdoin College Grant
 East Twp
 11.8 Bowdoin College Grant
 West Twp
 11.9 Bowerbank
 11.10 Brownville
 11.11 Chesuncook Twp
 11.12 Cove Point Twp
 11.13 Days Academy Grant
 Twp
 11.14 Dover-Foxcroft
 11.15 Eagle Lake Twp
 11.16 East Middlesex Canal
 Grant Twp
 11.17 Ebeemee Twp
 11.18 Elliottsville Twp
 11.19 Frenchtown Twp
 11.20 Greenville
 11.21 Guilford
 11.22 Harfords Point Twp
 11.23 Islands of Moosehead
 Lake
 11.24 Katahdin Iron Works
 Twp
 11.25 Kineo Twp
 11.26 Kingsbury Plt
 11.27 Lake View Plt

11.28 Lily Bay Twp
 11.29 Lobster Twp
 11.30 Medford
 11.31 Milo
 11.32 Monson
 11.33 Moosehead Junction
 Twp
 11.34 Mount Katahdin Twp
 11.35 Nesourdnhunk Twp
 11.36 Northeast Carry Twp
 11.37 Orneville Twp
 11.38 Parkman
 11.39 Rainbow Twp
 11.40 Sangerville
 11.41 Sebec
 11.42 Shawtown Twp
 11.43 Shirley
 11.44 Soper Mountain Twp
 11.45 Spencer Bay Twp
 11.46 Trout Brook Twp
 11.47 Unnamed Townships
 11.47.1 T1 R9 WELS
 11.47.2 T1 R10 WELS
 11.47.3 T1 R11 WELS
 11.47.4 T1 R12 WELS
 11.47.5 T1 R13 WELS
 11.47.6 T2 R9 WELS
 11.47.7 T2 R10 WELS
 11.47.8 T2 R12 WELS
 11.47.9 T2 R13 WELS
 11.47.10 T3 R10 WELS
 11.47.11 T3 R11 WELS
 11.47.12 T3 R12 WELS
 11.47.13 T3 R13 WELS
 11.47.14 T4 R9 NWP
 11.47.15 T4 R10 WELS
 11.47.16 T4 R11 WELS
 11.47.17 T4 R12 WELS
 11.47.18 T4 R13 WELS
 11.47.19 T4 R14 WELS
 11.47.20 T4 R15 WELS
 11.47.21 T5 R9 WELS
 11.47.22 T4 R9 WELS
 11.47.23 T5 R11 WELS
 11.47.24 T5 R12 WELS
 11.47.25 T5 R14 WELS
 11.47.26 T5 R15 WELS
 11.47.27 T6 R10 WELS
 11.47.28 T6 R11 WELS
 11.47.29 T6 R12 WELS
 11.47.30 T6 R13 WELS
 11.47.31 T6 R14 WELS
 11.47.32 T6 R15 WELS
 11.47.33 T7 R9 NWP
 11.47.34 T7 R9 WELS
 11.47.35 T7 R10 WELS

11.47.36	T7 R11 WELS	13.8	Big Six Twp	13.63	Pierce Pond Twp
11.47.37	T7 R12 WELS	13.9	Big Ten Twp	13.64	Pittsfield
11.47.38	T7 R13 WELS	13.10	Big W Twp	13.65	Pittston Academy Grant
11.47.39	T7 R14 WELS	13.11	Bigelow Twp	13.66	Pleasant Ridge Plt
11.47.40	T8 R9 WELS	13.12	Bingham	13.67	Plymouth Twp
11.47.41	T8 R10 WELS	13.13	Blake Gore	13.68	Prentiss Twp T4 R4 NBKP
11.47.42	T8 R11 WELS	13.14	Bowtown Twp	13.69	Ripley
11.47.43	T8 R14 WELS	13.15	Bradstreet Twp	13.70	Rockwood Strip T1 R1 NBKP
11.47.44	T8 R15 WELS	13.16	Brassua Twp	13.71	Rockwood Strip T2 R1 NBKP
11.47.45	T9 R9 WELS	13.17	Brighton Plt	13.72	Russell Pond Twp
11.47.46	T9 R10 WELS	13.18	Cambridge	13.73	Saint Albans
11.47.47	T9 R11 WELS	13.19	Canaan	13.74	Saint John Twp
11.47.48	T9 R12 WELS	13.20	Caratunk	13.75	Sandbar Tract Twp
11.47.49	T9 R13 WELS	13.21	Carrying Place Town Twp	13.76	Sandwich Academy Grant Twp
11.47.50	T9 R14 WELS	13.22	Carrying Place Twp	13.77	Sandy Bay Twp
11.47.51	T9 R15 WELS	13.23	Chase Stream Twp	13.78	Sapling Twp
11.47.52	T10 R9 WELS	13.24	Comstock Twp	13.79	Seboomook Twp
11.47.53	T10 R10 WELS	13.25	Concord Twp	13.80	Skowhegan
11.47.54	T10 R11 WELS	13.26	Cornville	13.81	Smithfield
11.47.55	T10 R12 WELS	13.27	Dead River Twp	13.82	Soldiertown Twp T2 R3 NBKP
11.47.56	T10 R13 WELS	13.28	Dennistown Plt	13.83	Solon
11.47.57	T10 R14 WELS	13.29	Detroit	13.84	Squaretown Twp
11.47.58	T10 R15 WELS	13.30	Dole Brook Twp	13.85	Starks
11.47.59	TA R10 WELS	13.31	East Moxie Twp	13.86	Taunton & Raynham Academy Grant
11.47.60	TA R11 WELS	13.32	Elm Stream Twp	13.87	The Forks Plt
11.47.61	TB R10 WELS	13.33	Embden	13.88	Thorndike Twp
11.47.62	TB R11 WELS	13.34	Fairfield	13.89	Tomhegan Twp
11.47.63	TX R14 WELS	13.35	Flagstaff Twp	13.90	Unnamed Townships
11.48	Wellington	13.36	Forsyth Twp	13.90.1	T3 R4 BKP WKR
11.49	Williamsburg Twp	13.37	Hammond Twp	13.90.2	T3 R5 BKP WKR
11.50	Willimantic	13.38	Harmony	13.90.3	T4 R5 NBKP
12. Sagadahoc County		13.39	Hartland	13.90.4	T4 R17 WELS
12.1	Arrowsic	13.40	Highland Plt	13.90.5	T5 R6 BKP WKR
12.2	Bath	13.41	Hobbs town Twp	13.90.6	T5 R7 BKP WKR
12.3	Bowdoin	13.42	Holeb Twp	13.90.7	T5 R17 WELS
12.4	Bowdoinham	13.43	Indian Stream Twp	13.90.8	T5 R18 WELS
12.5	Georgetown	13.44	Jackman	13.90.9	T5 R19 WELS
12.6	Perkins Twp Swan Island	13.45	Johnson Mountain Twp	13.90.10	T5 R20 WELS
12.7	Phippsburg	13.46	King & Bartlett Twp	13.90.11	T6 R17 WELS
12.8	Richmond	13.47	Lexington Twp	13.90.12	T6 R18 WELS
12.9	Sagadahoc County Island	13.48	Little W Twp	13.90.13	T7 R16 WELS
12.10	Topsham	13.49	Long Pond Twp	13.90.14	T7 R17 WELS
12.11	West Bath	13.50	Lower Enchanted Twp	13.90.15	T7 R18 WELS
12.12	Woolwich	13.51	Madison	13.90.16	T7 R19 WELS
13. Somerset County		13.52	Mayfield Twp	13.90.17	T8 R16 WELS
13.1	Alder Brook Twp	13.53	Mercer		
13.2	Anson	13.54	Misery Gore Twp		
13.3	Appleton Twp	13.55	Misery Twp		
13.4	Athens	13.56	Moose River		
13.5	Attean Twp	13.57	Moscow		
13.6	Bald Mountain Twp T2 R3	13.58	Moxie Gore		
13.7	Bald Mountain Twp T4 R3	13.59	New Portland		
		13.60	Norridgewock		
		13.61	Palmyra		
		13.62	Parlin Pond Twp		

13.90.18	T8 R17 WELS	15.13	Charlotte	15.60.4	T8 R4 NBPP
13.90.19	T8 R18 WELS	15.14	Cherryfield	15.60.5	T11 R3 NBPP
13.90.20	T8 R19 WELS	15.15	Codyville Plt	15.60.6	T18 MD BPP
13.90.21	T9 R16 WELS	15.16	Columbia	15.60.7	T19 ED BPP
13.90.22	T9 R17 WELS	15.17	Columbia Falls	15.60.8	T19 MD BPP
13.90.23	T9 R18 WELS	15.18	Cooper	15.60.9	T24 MD BPP
13.90.24	T10 R16 WELS	15.19	Crawford	15.60.10	T25 MD BPP
13.91	Upper Enchanted Twp	15.20	Cutler	15.60.11	T26 ED BPP
13.92	West Forks Plt	15.21	Danforth	15.60.12	T30 MD BPP
13.93	West Middlesex Canal Grant	15.22	Day Block Twp	15.60.13	T36 MD BPP
14. Waldo County		15.23	Deblois	15.60.14	T37 MD BPP
14.1	Belfast	15.24	Dennysville	15.60.15	T42 MD BPP
14.2	Belmont	15.25	Devereaux Twp	15.60.16	T43 MD BPP
14.3	Brooks	15.26	Dyer Twp	15.61	Vanceboro
14.4	Burnham	15.27	East Machias	15.62	Waite
14.5	Frankfort	15.28	Eastport	15.63	Washington County Island
14.6	Freedom	15.29	Edmunds Twp	15.64	Wesley
14.7	Islesboro	15.30	Forest City Twp	15.65	Whiting
14.8	Jackson	15.31	Forest Twp	15.66	Whitneyville
14.9	Knox	15.32	Fowler Twp	16. York County	
14.10	Liberty	15.33	Grand Lake Stream Plt	16.1	Acton
14.11	Lincolntonville	15.34	Greenlaw Chopping Twp	16.2	Alfred
14.12	Monroe	15.35	Harrington	16.3	Arundel
14.13	Montville	15.36	Indian Twp Res	16.4	Berwick
14.14	Morrill	15.37	Jonesboro	16.5	Biddeford
14.15	Northport	15.38	Jonesport	16.6	Buxton
14.16	Palermo	15.39	Kossuth Twp	16.7	Cornish
14.17	Prospect	15.40	Lambert Lake Twp	16.8	Dayton
14.18	Searsmont	15.41	Lubec	16.9	Eliot
14.19	Searsport	15.42	Machias	16.10	Hollis
14.20	Stockton Springs	15.43	Machiasport	16.11	Kennebunk
14.21	Swanville	15.44	Marion Twp	16.12	Kennebunkport
14.22	Thorndike	15.45	Marshfield	16.13	Kittery
14.23	Troy	15.46	Meddybemps	16.14	Lebanon
14.24	Unity	15.47	Milbridge	16.15	Limerick
14.25	Waldo	15.48	Northfield	16.16	Limington
14.26	Waldo County Island	15.49	Pembroke	16.17	Lyman
14.27	Winterport	15.50	Perry	16.18	Newfield
15. Washington County		15.51	Pleasant Point	16.19	North Berwick
15.1	Addison	15.52	Princeton	16.20	Ogunquit
15.2	Alexander	15.53	Robbinston	16.21	Old Orchard Beach
15.3	Baileyville	15.54	Roque Bluffs	16.22	Parsonsfeld
15.4	Baring Plt	15.55	Sakom Twp	16.23	Saco
15.5	Beals	15.56	Steuben	16.24	Sanford
15.6	Beddington	15.57	Talmadge	16.25	Shapleigh
15.7	Berry Twp	15.58	Topsfield	16.26	South Berwick
15.8	Big Lake Twp	15.59	Trescott Twp	16.27	Waterboro
15.9	Brookton Twp	15.60	Unnamed Townships	16.28	Wells
15.10	Calais	15.60.1	T6 ND BPP	16.29	York
15.11	Cathance Twp	15.60.2	T6 R1 NBPP		
15.12	Centerville Twp	15.60.3	T8 R3 NBPP		

APPENDIX G- MEDIA FORMAT VALUES FOR BATCH REVISE

Flash/HTML5 Audio (M4a,mp3)
Flash/HTML5 Video (flv,Mp4,RTMP)
QuickTime Audio (aac,aif,mid,midi,mov,wav)
QuickTime Video (3g2,3gp,mov,mpg,mpeg)
RealAudio (ra,ram)
RealVideo (ram,smi,smil)
SWF Format (swf)
Windows Media Audio (wma)
Windows Media Video (avi,wmv)
Vimeo
YouTube
Other rich media

APPENDIX H- DISCIPLINES VALUES FOR BATCH REVISE

1. Architecture	Media	Anglophone outside British Isles and North America
1.1. Architectural History and Criticism	2.4.12. Metal and Jewelry Arts	2.14.3. Literature in English, British Isles Literature in English, North America
1.2. Architectural Technology	2.4.13. Painting	2.14.4. Literature in English, North America, Ethnic and Cultural Minority
1.3. Construction Engineering	2.4.14. Printmaking	2.14.5. Other English Language and Literature European Languages and Societies
1.4. Cultural Resource Management and Policy Analysis	2.4.15. Sculpture	2.15. Feminist, Gender, and Sexuality Studies
1.5. Environmental Design	2.5. Art Practice	2.15.1. Lesbian, Gay, Bisexual, and Transgender Studies
1.6. Historic Preservation and Conservation	2.6. Audio Arts and Acoustics	2.15.2. Women's Studies
1.7. Interior Architecture	Australian Studies	2.15.3. Other Feminist, Gender, and Sexuality Studies
1.8. Landscape Architecture	2.7. Basque Studies Celtic Studies	2.16. Film and Media Studies
1.9. Urban, Community and Regional Planning	2.8. Classics	2.16.1. Film Production
1.10. Other Architecture	2.8.1. Ancient History, Greek and Roman through Late Antiquity	2.16.2. Screenwriting
2. Arts and Humanities	2.8.2. Ancient Philosophy	2.16.3. Visual Studies
2.1. African Languages and Societies	2.8.3. Byzantine and Modern Greek	2.16.4. Other Film and Media Studies Fine Arts
2.2. American Studies	2.8.4. Classical Archaeology and Art History	2.17. French and Francophone Language and Literature
2.2.1. American Film Studies	2.8.5. Classical Literature and Philology	2.17.1. French and Francophone Literature
2.2.2. American Literature	2.8.6. Indo-European Linguistics and Philology	2.17.2. French Linguistics
2.2.3. American Material Culture	2.8.7. Other Classics	2.17.3. Other French and Francophone Language and Literature
2.2.4. American Popular Culture	2.9. Comparative Literature	2.18. German Language and Literature
2.2.5. Other American Studies	2.9.1. Translation Studies	2.18.1. German Linguistics
2.3. Appalachian Studies	2.10. Creative Writing	2.18.2. German Literature
2.4. Art and Design	2.10.1. Fiction	2.18.3. Other German Language and Literature
2.4.1. Art and Materials Conservation	2.10.2. Nonfiction	2.19. History
2.4.2. Book and Paper	2.10.3. Poetry	
2.4.3. Ceramic Arts	2.11. Digital Humanities	
2.4.4. Fashion Design	2.12. Dutch Studies	
2.4.5. Fiber, Textile, and Weaving Arts	2.13. East Asian Languages and Societies	
2.4.6. Game Design	2.13.1. Chinese Studies	
2.4.7. Graphic Design	2.13.2. Japanese Studies	
2.4.8. Illustration	2.13.3. Korean Studies	
2.4.9. Industrial and Product Design	2.14. English Language and Literature	
2.4.10. Interactive Arts	2.14.1. Children's and Young Adult Literature	
2.4.11. Interdisciplinary Arts and	2.14.2. Literature in English,	

- 2.19.1. African History
- 2.19.2. Asian History
- 2.19.3. Canadian History
- 2.19.4. Cultural History
- 2.19.5. Diplomatic History
- 2.19.6. European History
- 2.19.7. Genealogy
- 2.19.8. History of Gender
- 2.19.9. History of the Pacific Islands
- 2.19.10. History of Religion
- 2.19.11. History of Science, Technology, and Medicine
- 2.19.12. Intellectual History
- 2.19.13. Islamic World and Near East History
- 2.19.14. Labor History
- 2.19.15. Latin American History
- 2.19.16. Legal
- 2.19.17. Medieval History
- 2.19.18. Military History
- 2.19.19. Oral History
- 2.19.20. Political History
- 2.19.21. Public History
- 2.19.22. Social History
- 2.19.23. United States History
- 2.19.24. Women's History
- 2.19.25. Other History
- 2.20. History of Art, Architecture, and Archaeology
 - 2.20.1. American Art and Architecture
 - 2.20.2. Ancient, Medieval, Renaissance and Baroque Art and Architecture
 - 2.20.3. Asian Art and Architecture
 - 2.20.4. Contemporary Art
 - 2.20.5. Modern Art and Architecture
 - 2.20.6. Theory and Criticism
 - 2.20.7. Other History of Art, Architecture, and Archaeology
- 2.21. Italian Language and Literature
 - 2.21.1. Italian Linguistics
 - 2.21.2. Italian Literature
 - 2.21.3. Other Italian Language and Literature
- 2.22. Jewish Studies
 - 2.22.1. Yiddish Language and Literature
- 2.23. Latin American Languages and Societies
 - 2.23.1. Caribbean Languages and Societies
- 2.24. Medieval Studies
- 2.25. Modern Languages
- 2.26. Modern Literature
- 2.27. Museum Studies
- 2.28. Music
 - 2.28.1. Composition
 - 2.28.2. Ethnomusicology
 - 2.28.3. Music Education
 - 2.28.4. Music Practice
 - 2.28.5. Music Theory
 - 2.28.6. Musicology
 - 2.28.7. Music Pedagogy
 - 2.28.8. Music Performance
 - 2.28.9. Music Therapy
 - 2.28.10. Other Music
- 2.29. Near Eastern Languages and Societies
- 2.30. Pacific Islands Languages and Societies
 - 2.30.1. Hawaiian Studies
 - 2.30.2. Melanesian Studies
 - 2.30.3. Micronesian Studies
 - 2.30.4. Polynesian Studies
- 2.31. Philosophy
 - 2.31.1. Comparative Philosophy
 - 2.31.2. Continental Philosophy
 - 2.31.3. Epistemology
 - 2.31.4. Esthetics
 - 2.31.5. Ethics and Political Philosophy
 - 2.31.6. Feminist Philosophy
 - 2.31.7. History of Philosophy
 - 2.31.8. Logic and Foundations of Mathematics
 - 2.31.9. Metaphysics
 - 2.31.10. Philosophy of Language
 - 2.31.11. Philosophy of Mind
 - 2.31.12. Philosophy of Science
 - 2.31.13. Other Philosophy
- 2.32. Photography
- 2.33. Race, Ethnicity and Post-Colonial Studies
 - 2.33.1. African American Studies
 - 2.33.2. Asian American Studies
 - 2.33.3. Chicana/o Studies
 - 2.33.4. Ethnic Studies
 - 2.33.5. Indigenous Studies
 - 2.33.6. Latina/o Studies
- 2.34. Radio
- 2.35. Reading and Language
- 2.36. Religion
 - 2.36.1. Biblical Studies
 - 2.36.2. Buddhist Studies
 - 2.36.3. Catholic Studies
 - 2.36.4. Christianity
 - 2.36.5. Christian Denominations and Sects
 - 2.36.6. Comparative Methodologies and Theories
 - 2.36.7. Ethics in Religion
 - 2.36.8. Hindu Studies
 - 2.36.9. History of Christianity
 - 2.36.10. History of Religions of Eastern Origins
 - 2.36.11. History of Religions of Western Origin
 - 2.36.12. Islamic Studies
 - 2.36.13. Liturgy and Worship
 - 2.36.14. Missions and World Christianity
 - 2.36.15. Mormon Studies
 - 2.36.16. New Religious Movements
 - 2.36.17. Practical Theology
 - 2.36.18. Religious Thought, Theology and Philosophy of Religion
 - 2.36.19. Other Religion
- 2.37. Rhetoric and Composition
 - 2.37.1. Rhetoric
 - 2.37.2. Other Rhetoric and Composition
- 2.38. Scandinavian Studies
- 2.39. Slavic Languages and Societies
 - 2.39.1. Russian Linguistics
 - 2.39.2. Russian Literature
- 2.40. South and Southeast Asian Languages and Societies
- 2.41. Spanish and Portuguese Language and Literature
 - 2.41.1. Latin American Literature
 - 2.41.2. Portuguese Literature
 - 2.41.3. Spanish Linguistics
 - 2.41.4. Spanish Literature
 - 2.41.5. Other Spanish and Portuguese Language and Literature
- 2.42. Technical and Professional Writing
- 2.43. Television
- 2.44. Theatre and Performance Studies
 - 2.44.1. Acting Dance
 - 2.44.2. Dramatic Literature, Criticism and Theory
 - 2.44.3. Playwriting Theatre History
 - 2.44.4. Other Theatre and Performance Studies
- 2.45. Other Arts and Humanities
- 2.46. Other Languages, Societies, and Cultures
- 3. Business
 - 3.1. Accounting
 - 3.2. Advertising and Promotion Management
 - 3.3. Agribusiness
 - 3.4. Arts Management
 - 3.5. Business Administration, Management, and Operations
 - 3.6. Business and Corporate Communications
 - 3.7. Business Intelligence
 - 3.8. Business Law, Public Responsibility, and Ethics
 - 3.9. Corporate Finance
 - 3.10. E-Commerce
 - 3.11. Entrepreneurial and Small Business Operations
 - 3.12. Fashion Business
 - 3.13. Finance and Financial Management
 - 3.14. Hospitality Administration and Management
 - 3.14.1. Food and Beverage Management
 - 3.14.2. Gaming and Casino Operations Management
 - 3.15. Human Resources Management
 - 3.15.1. Benefits and Compensation
 - 3.15.2. Performance Management
 - 3.15.3. Training and Development
 - 3.16. Insurance
 - 3.17. International Business
 - 3.18. Labor Relations
 - 3.18.1. Collective Bargaining
 - 3.18.2. International and Comparative Labor Relations
 - 3.18.3. Unions
 - 3.19. Management Information Systems
 - 3.20. Management Sciences and Quantitative Methods
 - 3.21. Marketing
 - 3.21.1. Art Direction

- 3.22. Nonprofit Administration and Management
- 3.23. Operations and Supply Chain Management
- 3.24. Organizational Behavior and Theory
- 3.25. Portfolio and Security Analysis
- 3.26. Real Estate
- 3.27. Recreation Business
- 3.28. Sales and Merchandising
- 3.29. Sports Management
- 3.30. Strategic Management Policy
- 3.31. Taxation
- 3.32. Technology and Innovation
- 3.33. Tourism and Travel
- 3.34. Other Business
- 4. Education
 - 4.1. Adult and Continuing Education
 - 4.2. Art Education
 - 4.3. Bilingual, Multilingual, and Multicultural Education
 - 4.4. Community College Leadership
 - 4.5. Curriculum and Instruction
 - 4.6. Curriculum and Social Inquiry
 - 4.7. Disability and Equity in Education
 - 4.7.1. Accessibility
 - 4.7.2. Gender Equity in Education
 - 4.8. Early Childhood Education
 - 4.9. Education Economics
 - 4.10. Educational Administration and Supervision
 - 4.10.1. Adult and Continuing Education Administration
 - 4.10.2. Community College Education Administration
 - 4.10.3. Elementary and Middle and Secondary Education Administration
 - 4.10.4. Higher Education Administration
 - 4.10.5. Special Education Administration
 - 4.10.6. Urban Education
 - 4.10.7. Other Educational Administration and Supervision
 - 4.11. Educational Assessment, Evaluation, and Research
 - 4.12. Educational Leadership
 - 4.13. Educational Methods
 - 4.14. Educational Psychology
 - 4.15. Elementary Education
 - 4.16. Gifted Education
 - 4.17. Health and Physical Education
 - 4.18. Higher Education
 - 4.18.1. Scholarship of Teaching and Learning
 - 4.18.2. University Extension
 - 4.19. Home Economics
 - 4.20. Humane Education
 - 4.21. Indigenous Education
 - 4.22. Instructional Media Design
 - 4.23. International and Comparative Education
 - 4.24. Language and Literacy Education
 - 4.25. Liberal Studies
 - 4.26. Online and Distance Education
 - 4.27. Outdoor Education
 - 4.28. Science and Mathematics Education
 - 4.29. Secondary Education
 - 4.30. Social and Philosophical Foundations of Education
 - 4.31. Special Education and Teaching
 - 4.32. Student Counseling and Personnel Services
 - 4.33. Teacher Education and Professional Development
 - 4.33.1. Adult and Continuing Education and Teaching
 - 4.33.2. Elementary Education and Teaching
 - 4.33.3. Higher Education and Teaching
 - 4.33.4. Junior High, Intermediate, Middle School Education and Teaching
 - 4.33.5. Pre-Elementary, Early Childhood, Kindergarten Teacher Education
 - 4.33.6. Secondary Education and Teaching Other Teacher Education and Professional
 - 4.33.7. Other Teacher Education and Professional Development
 - 4.34. Vocational Education
- 5. Engineering
 - 5.1. Aerospace Engineering
 - 5.1.1. Aerodynamics and Fluid Mechanics
 - 5.1.2. Aeronautical Vehicles
 - 5.1.3. Astrodynamics
 - 5.1.4. Multi-Vehicle Systems and Air Traffic Control
 - 5.1.5. Navigation, Guidance, Control and Dynamics
 - 5.1.6. Propulsion and Power
 - 5.1.7. Space Vehicles
 - 5.1.8. Structures and Materials
 - 5.1.9. Systems Engineering and Multidisciplinary Design Optimization
 - 5.1.10. Other Engineering
 - 5.2. Automotive Engineering
 - 5.3. Aviation
 - 5.3.1. Aviation and Space Education
 - 5.3.2. Aviation Safety and Security
 - 5.3.3. Maintenance Technology
 - 5.3.4. Management and Operations
 - 5.4. Biomedical Engineering and Bioengineering
 - 5.4.1. Bioelectrical and Neuroengineering
 - 5.4.2. Bioimaging and Biomedical Optics
 - 5.4.3. Biological Engineering
 - 5.4.4. Biomaterials
 - 5.4.5. Biomechanics and Biotransport
 - 5.4.6. Biomedical Devices and Instrumentation
 - 5.4.7. Molecular, Cellular, and Tissue Engineering
 - 5.4.8. Systems and Integrative Engineering
 - 5.4.9. Vision Science
 - 5.4.10. Other engineering
 - 5.5. Bioresource and Agricultural Engineering
 - 5.6. Chemical Engineering
 - 5.6.1. Biochemical and Biomolecular Engineering
 - 5.6.2. Catalysis and Reaction Engineering
 - 5.6.3. Complex Fluids
 - 5.6.4. Membrane Science
 - 5.6.5. Petroleum Engineering
 - 5.6.6. Polymer Science
 - 5.6.7. Process Control and Systems
 - 5.6.8. Thermodynamics
 - 5.6.9. Transport Phenomena
 - 5.6.10. Other Chemical Engineering
 - 5.7. Civil and Environmental Engineering
 - 5.7.1. Civil Engineering
 - 5.7.2. Construction Engineering and Management
 - 5.7.3. Environmental Engineering
 - 5.7.4. Geotechnical Engineering
 - 5.7.5. Hydraulic Engineering
 - 5.7.6. Structural Engineering
 - 5.7.7. Transportation Engineering
 - 5.7.8. Other Civil and Environmental Engineering
 - 5.8. Computational Engineering
 - 5.9. Computer Engineering
 - 5.9.1. Computer and Systems Architecture
 - 5.9.2. Data Storage Systems
 - 5.9.3. Digital Circuits
 - 5.9.4. Digital Communications and Networking
 - 5.9.5. Hardware Systems
 - 5.9.6. Robotics
 - 5.9.7. Other Computer Engineering
 - 5.10. Electrical and Computer Engineering
 - 5.10.1. Biomedical
 - 5.10.2. Controls and Control Theory
 - 5.10.3. Electrical and Electronics
 - 5.10.4. Electromagnetics and Photonics
 - 5.10.5. Electronic Devices and Semiconductor Manufacturing
 - 5.10.6. Nanotechnology Fabrication
 - 5.10.7. Power and Energy
 - 5.10.8. Signal Processing
 - 5.10.9. Systems and Communications
 - 5.10.10. VLSI and Circuits, Embedded and Hardware Systems
 - 5.10.11. Other Electrical and Computer Engineering
 - 5.11. Engineering Education
 - 5.12. Engineering Science and Materials
 - 5.12.1. Dynamics and Dynamical Systems
 - 5.12.2. Engineering Mechanics
 - 5.12.3. Mechanics of Materials
 - 5.12.4. Other Engineering Science and Materials
 - 5.13. Materials Science and Engineering

- 5.13.1. Biology and Biomimetic Materials
- 5.13.2. Ceramic Materials
- 5.13.3. Metallurgy
- 5.13.4. Polymer and Organic Materials
- 5.13.5. Semiconductor and Optical Materials
- 5.13.6. Structural Materials
- 5.13.7. Other Materials Science and Engineering
- 5.14. Mechanical Engineering
 - 5.14.1. Acoustics, Dynamics, and Controls
 - 5.14.2. Applied Mechanics
 - 5.14.3. Biomechanical Engineering
 - 5.14.4. Computer-Aided Engineering and Design
 - 5.14.5. Electro-Mechanical Systems
 - 5.14.6. Energy Systems
 - 5.14.7. Heat Transfer, Combustion
 - 5.14.8. Manufacturing
 - 5.14.9. Ocean Engineering
 - 5.14.10. Tribology
 - 5.14.11. Other Mechanical Engineering
- 5.15. Mining Engineering
- 5.16. Nanoscience and Nanotechnology
- 5.17. Nuclear Engineering
- 5.18. Operations Research, Systems Engineering and Industrial Engineering
 - 5.18.1. Ergonomics
 - 5.18.2. Industrial Engineering
 - 5.18.3. Industrial Technology
 - 5.18.4. Operational Research
 - 5.18.5. Systems Engineering
 - 5.18.6. Other Operations Research, Systems Engineering and Industrial Engineering
- 5.19. Research, Systems Engineering and Industrial Engineering
- 5.20. Risk Analysis
- 5.21. Other Engineering
- 6. Law
 - 6.1. Accounting Law
 - 6.2. Administrative Law
 - 6.3. Admiralty
 - 6.4. Agency
 - 6.5. Agriculture Law
 - 6.6. Air and Space Law
 - 6.7. Animal Law
 - 6.8. Antitrust and Trade Regulation
 - 6.9. Banking and Finance Law
 - 6.10. Bankruptcy Law
 - 6.11. Business Organizations Law
 - 6.12. Civil Law
 - 6.13. Civil Procedure
 - 6.14. Civil Rights and Discrimination
 - 6.15. Commercial Law
 - 6.16. Common Law
 - 6.17. Communications Law
 - 6.18. Comparative and Foreign Law
 - 6.19. Computer Law
 - 6.20. Conflict of Laws
 - 6.21. Constitutional Law
 - 6.22. Construction Law
 - 6.23. Consumer Protection Law
 - 6.24. Contracts
 - 6.25. Courts
 - 6.26. Criminal Law
 - 6.27. Criminal Procedure
 - 6.28. Cultural Heritage Law
 - 6.29. Disability Law
 - 6.30. Disaster Law
 - 6.31. Dispute Resolution and Arbitration
 - 6.32. Education Law
 - 6.33. Elder Law
 - 6.34. Election Law
 - 6.35. Energy and Utilities Law
 - 6.36. Entertainment, Arts, and Sports Law
 - 6.37. Environmental Law
 - 6.38. Estates and Trusts
 - 6.39. European Law
 - 6.40. Evidence
 - 6.41. Family Law
 - 6.42. First Amendment
 - 6.43. Food and Drug Law
 - 6.44. Fourteenth Amendment
 - 6.45. Fourth Amendment
 - 6.46. Gaming Law
 - 6.47. Government Contracts
 - 6.48. Health Law and Policy
 - 6.49. Housing Law
 - 6.50. Human Rights Law
 - 6.51. Immigration Law
 - 6.52. Indian and Aboriginal Law
 - 6.53. Insurance Law
 - 6.54. Intellectual Property Law
 - 6.55. International Humanitarian Law
 - 6.56. International Law
 - 6.57. International Trade Law
 - 6.58. Internet Law
 - 6.59. Judges
 - 6.60. Jurisdiction
 - 6.61. Jurisprudence
 - 6.62. Juvenile Law
 - 6.63. Labor and Employment Law
 - 6.64. Land Use Law
 - 6.65. Law and Economics
 - 6.66. Law and Gender
 - 6.67. Law and Philosophy
 - 6.68. Law and Politics
 - 6.69. Law and Psychology
 - 6.70. Law and Race
 - 6.71. Law and Society
 - 6.72. Law Enforcement and Corrections
 - 6.73. Law of the Sea
 - 6.74. Legal Biography
 - 6.75. Legal Education
 - 6.76. Legal Ethics and Professional Responsibility
 - 6.77. Legal History
 - 6.78. Legal Profession
 - 6.79. Legal Remedies
 - 6.80. Legal Writing and Research
 - 6.81. Legislation
 - 6.82. Litigation
 - 6.83. Marketing Law
 - 6.84. Medical Jurisprudence
 - 6.85. Military, War, and Peace
 - 6.86. National Security Law
 - 6.87. Natural Law
 - 6.88. Natural Resources Law
 - 6.89. Nonprofit Organizations Law
 - 6.90. Oil, Gas, and Mineral Law
 - 6.91. Organizations Law
 - 6.92. President/Executive Department
 - 6.93. Privacy Law
 - 6.94. Property Law and Real Estate
 - 6.95. Public Law and Legal Theory
 - 6.96. Religion Law
 - 6.97. Retirement Security Law
 - 6.98. Rule of Law
 - 6.99. Science and Technology Law
 - 6.100. Second Amendment
 - 6.101. Secured Transactions
 - 6.102. Securities Law
 - 6.103. Sexuality and the Law
 - 6.104. Social Welfare Law
 - 6.105. State and Local Government Law
 - 6.106. Supreme Court of the United States
 - 6.107. Tax Law
 - 6.108. Taxation-Federal
 - 6.109. Taxation-Federal Estate and Gift
 - 6.110. Taxation-State and Local
 - 6.111. Taxation-Transnational
 - 6.112. Torts
 - 6.113. Transnational Law
 - 6.114. Transportation Law
 - 6.115. Water Law
 - 6.116. Workers' Compensation Law
 - 6.117. Other Law
- 7. Life Sciences
 - 7.1. Agriculture
 - 7.1.1. Agricultural Economics
 - 7.1.2. Agricultural Education
 - 7.1.3. Apiculture
 - 7.1.4. Biosecurity
 - 7.1.5. Viticulture and Oenology
 - 7.2. Animal Sciences
 - 7.2.1. Aquaculture and Fisheries
 - 7.2.2. Dairy Science
 - 7.2.3. Meat Science
 - 7.2.4. Ornithology
 - 7.2.5. Poultry or Avian Science
 - 7.2.6. Sheep and Goat Science
 - 7.2.7. Zoology
 - 7.2.8. Other Animal Sciences
 - 7.3. Biochemistry, Biophysics, and Structural Biology
 - 7.3.1. Biochemistry
 - 7.3.2. Biophysics
 - 7.3.3. Molecular Biology
 - 7.3.4. Structural Biology
 - 7.3.5. Other Biochemistry, Biophysics, and Structural Biology
 - 7.4. Biodiversity
 - 7.5. Bioinformatics
 - 7.6. Biology
 - 7.6.1. Integrative Biology
 - 7.7. Biotechnology
 - 7.8. Cell and Developmental Biology
 - 7.8.1. Cancer Biology
 - 7.8.2. Cell Anatomy
 - 7.8.3. Cell Biology
 - 7.8.4. Developmental Biology
 - 7.8.5. Other Cell and Developmental

Biology

7.9. Ecology and Evolutionary Biology

7.9.1. Behavior and Ethology

7.9.2. Desert Ecology

7.9.3. Evolution

7.9.4. Population Biology

7.9.5. Terrestrial and Aquatic Ecology

7.9.6. Other Ecology and Evolutionary Biology

Entomology

7.10. Food Science

7.10.1. Food Biotechnology

7.10.2. Food Chemistry

7.10.3. Food Microbiology

7.10.4. Food Processing

7.10.5. Other Food Science

7.11. Forest Sciences

7.11.1. Forest Biology

7.11.2. Forest Management

7.11.3. Wood Science and Pulp, Paper Technology

7.11.4. Other Forestry and Forest Sciences

7.12. Genetics and Genomics

7.12.1. Computational Biology

7.12.2. Genetics

7.12.3. Genomics

7.12.4. Molecular Genetics

7.12.5. Other Genetics and Genomics

7.13. Immunology and Infectious Disease

7.13.1. Immunity

7.13.2. Immunology of Infectious Disease

7.13.3. Immunopathology

7.13.4. Immunoprophylaxis and Therapy

7.13.5. Parasitology

7.13.6. Other Immunology and Infectious Disease

7.14. Kinesiology

7.14.1. Biomechanics

7.14.2. Exercise Science

7.14.3. Expeditionary Education

7.14.4. Motor Control

7.14.5. Psychology of Movement

7.14.6. Other Kinesiology

7.15. Laboratory and Basic Science Research

7.16. Marine Biology

7.17. Microbiology

7.17.1. Bacteriology

7.17.2. Environmental Microbiology and Microbial Ecology

7.17.3. Microbial Physiology

7.17.4. Organismal Biological Physiology

7.17.5. Pathogenic Microbiology

7.17.6. Virology

7.17.7. Other Microbiology

7.18. Neuroscience and Neurobiology

7.18.1. Behavioral Neurobiology

7.18.2. Cognitive Neuroscience

7.18.3. Computational Neuroscience

7.18.4. Developmental

Neuroscience

7.18.5. Molecular and Cellular Neuroscience

7.18.6. Systems Neuroscience

7.18.7. Other Neuroscience and Neurobiology

7.19. Nutrition

7.19.1. Comparative Nutrition

7.19.2. Human and Clinical Nutrition

7.19.3. International and Community Nutrition

7.19.4. Molecular, Genetic, and Biochemical Nutrition

7.19.5. Nutritional Epidemiology

7.19.6. Other Nutrition

7.20. Pharmacology, Toxicology and Environmental Health

7.20.1. Environmental Health

7.20.2. Medicinal Chemistry and Pharmaceuticals

7.20.3. Pharmacology Toxicology

7.20.4. Other Pharmacology, Toxicology and Environmental Health

7.21. Physiology

7.21.1. Cellular and Molecular Physiology

7.21.2. Comparative and Evolutionary Physiology

7.21.3. Endocrinology

7.21.4. Exercise Physiology

7.21.5. Systems and Integrative Physiology

7.21.6. Other Physiology

7.22. Plant Sciences

7.22.1. Agricultural Science

7.22.2. Agronomy and Crop Sciences

7.22.3. Botany

7.22.4. Bryology

7.22.5. Fruit Science

7.22.6. Horticulture

7.22.7. Plant Biology

7.22.8. Plant Breeding and Genetics

7.22.9. Plant Pathology

7.22.10. Weed Science

7.22.11. Other Plant Sciences

7.23. Research Methods in Life Sciences

7.23.1. Animal Experimentation and Research Systems Biology

7.24. Other Life Sciences

8. Medicine and Health Sciences

8.1. Alternative and Complementary Medicine

8.2. Analytical, Diagnostic and Therapeutic Techniques and Equipment

8.2.1. Anesthesia and Analgesia

8.2.2. Diagnosis

8.2.3. Equipment and Supplies

8.2.4. Investigative Techniques

8.2.5. Surgical Procedures, Operative

8.2.6. Therapeutics

8.2.7. Other Analytical, Diagnostic and Therapeutic Techniques and Equipment

8.3. Anatomy

8.3.1. Animal Structures

8.3.2. Body Regions

8.3.3. Cardiovascular System

8.3.4. Cells

8.3.5. Digestive System

8.3.6. Embryonic Structures

8.3.7. Endocrine System

8.3.8. Fluids and Secretions

8.3.9. Hemic and Immune Systems

8.3.10. Integumentary System

8.3.11. Musculoskeletal System

8.3.12. Nervous System

8.3.13. Respiratory System

8.3.14. Sense Organs

8.3.15. Stomatognathic System

8.3.16. Tissues

8.3.17. Urogenital System

8.4. Bioethics and Medical Ethics

8.5. Chemicals and Drugs

8.5.1. Amino Acids, Peptides, and Proteins

8.5.2. Biological Factors

8.5.3. Biomedical and Dental Materials

8.5.4. Carbohydrates

8.5.5. Chemical Actions and Uses

8.5.6. Complex Mixtures

8.5.7. Enzymes and Coenzymes

8.5.8. Heterocyclic Compounds

8.5.9. Hormones, Hormone Substitutes, and Hormone Antagonists

8.5.10. Inorganic Chemicals

8.5.11. Lipids

8.5.12. Macromolecular Substances

8.5.13. Nucleic Acids, Nucleotides, and Nucleosides

8.5.14. Organic Chemicals

8.5.15. Pharmaceutical Preparations

8.5.16. Polycyclic Compounds

8.5.17. Other Chemicals and Drugs

8.6. Communication Sciences and Disorders

8.6.1. Speech and Hearing Science

8.6.2. Speech Pathology and Audiology

8.7. Dentistry

8.7.1. Dental Hygiene

8.7.2. Dental Materials

8.7.3. Dental Public Health and Education

8.7.4. Endodontics and Endodontology

8.7.5. Oral and Maxillofacial Surgery

8.7.6. Oral Biology and Oral Pathology

8.7.7. Orthodontics and Orthodontology

8.7.8. Pediatric Dentistry and Pedodontics

8.7.9. Periodontics and Periodontology

8.7.10. Prosthodontics and Prosthodontology

8.7.11. Other Dentistry

- 8.8. Dietetics and Clinical Nutrition
- 8.9. Diseases
 - 8.9.1. Animal Diseases
 - 8.9.2. Bacterial Infections and Mycoses
 - 8.9.3. Cardiovascular Diseases
 - 8.9.4. Congenital, Hereditary, and Neonatal Diseases and Abnormalities
 - 8.9.5. Digestive System Diseases
 - 8.9.6. Disease Modeling
 - 8.9.7. Disorders of Environmental Origin
 - 8.9.8. Endocrine System Diseases
 - 8.9.9. Eye Diseases
 - 8.9.10. Female Urogenital Diseases and Pregnancy Complications
 - 8.9.11. Hematologic and Lymphatic Diseases
 - 8.9.12. Immune System Diseases
 - 8.9.13. Male Urogenital Diseases
 - 8.9.14. Musculoskeletal Diseases
 - 8.9.15. Neoplasms
 - 8.9.16. Nervous System Diseases
 - 8.9.17. Nutritional and Metabolic Diseases
 - 8.9.18. Otorhinolaryngologic Diseases
 - 8.9.19. Parasitic Diseases
 - 8.9.20. Pathological Conditions, Signs and Symptoms
 - 8.9.21. Respiratory Tract Diseases
 - 8.9.22. Skin and Connective Tissue Diseases
 - 8.9.23. Stomatognathic Diseases
 - 8.9.24. Virus Diseases
- 8.10. Health Information Technology
 - 8.10.1. Telemedicine
- 8.11. Health and Medical Administration
- 8.12. Medical Education
 - 8.12.1. Interprofessional Education
- 8.13. Medical Humanities
- 8.14. Medical Sciences
 - 8.14.1. Biochemical Phenomena, Metabolism, and Nutrition
 - 8.14.2. Biological Phenomena, Cell Phenomena, and Immunity
 - 8.14.3. Chemical and Pharmacologic Phenomena
 - 8.14.4. Circulatory and Respiratory Physiology
 - 8.14.5. Digestive, Oral, and Skin Physiology
 - 8.14.6. Genetic Phenomena
 - 8.14.7. Genetic Processes
 - 8.14.8. Genetic Structures
 - 8.14.9. Medical Anatomy
 - 8.14.10. Medical Biochemistry
 - 8.14.11. Medical Biostatistics and Biometrics
 - 8.14.12. Medical Biophysics
 - 8.14.13. Medical Biotechnology
 - 8.14.14. Medical Cell Biology
 - 8.14.15. Medical Genetics
 - 8.14.16. Medical Immunology
 - 8.14.17. Medical Microbiology
 - 8.14.18. Medical Molecular Biology
 - 8.14.19. Medical Neurobiology
 - 8.14.20. Medical Nutrition
 - 8.14.21. Medical Pathology
 - 8.14.22. Medical Pharmacology
 - 8.14.23. Medical Physiology
 - 8.14.24. Medical Toxicology
 - 8.14.25. Musculoskeletal, Neural, and Ocular Physiology
 - 8.14.26. Neurosciences
 - 8.14.27. Physiological Processes
 - 8.14.28. Reproductive and Urinary Physiology
 - 8.14.29. Other Medical Sciences
- 8.15. Medical Specialties
 - 8.15.1. Allergy and Immunology
 - 8.15.2. Anesthesiology
 - 8.15.3. Cardiology
 - 8.15.4. Critical Care
 - 8.15.5. Dermatology
 - 8.15.6. Emergency Medicine
 - 8.15.7. Endocrinology, Diabetes, and Metabolism
 - 8.15.8. Family Medicine
 - 8.15.9. Gastroenterology
 - 8.15.10. Geriatrics
 - 8.15.11. Hematology
 - 8.15.12. Hepatology
 - 8.15.13. Infectious Disease
 - 8.15.14. Integrative Medicine
 - 8.15.15. Internal Medicine
 - 8.15.16. Nephrology
 - 8.15.17. Neurology
 - 8.15.18. Obstetrics and Gynecology
 - 8.15.19. Oncology
 - 8.15.20. Ophthalmology
 - 8.15.21. Orthopedics
 - 8.15.22. Osteopathic Medicine and Osteopathy
 - 8.15.23. Otolaryngology
 - 8.15.24. Palliative Care
 - 8.15.25. Pathology
 - 8.15.26. Pediatrics
 - 8.15.27. Plastic Surgery
 - 8.15.28. Podiatry
 - 8.15.29. Preventive
 - 8.15.30. Medicine Primary Care
 - 8.15.31. Psychiatry
 - 8.15.32. Pulmonology
 - 8.15.33. Radiology
 - 8.15.34. Rheumatology
 - 8.15.35. Sleep Medicine
 - 8.15.36. Sports Medicine
 - 8.15.37. Surgery
 - 8.15.38. Trauma
 - 8.15.39. Tropical Medicine
 - 8.15.40. Urology
 - 8.15.41. Other Medical Specialties
- 8.16. Mental and Social Health
 - 8.16.1. Animal-Assisted Therapy
 - 8.16.2. Art Therapy
 - 8.16.3. Clinical and Medical Social Work
 - 8.16.4. Cognitive Behavioral Therapy
 - 8.16.5. Community Health
 - 8.16.6. Marriage and Family Therapy and Counseling
- 8.16.7. Psychiatric and Mental Health
 - 8.16.8. Psychoanalysis and Psychotherapy
 - 8.16.9. Substance Abuse and Addiction
 - 8.16.10. Other Mental and Social Health
- 8.17. Nanotechnology
 - 8.17.1. Nanomedicine
- 8.18. Nursing
 - 8.18.1. Critical Care Nursing
 - 8.18.2. Family Practice Nursing
 - 8.18.3. Geriatric Nursing
 - 8.18.4. Maternal, Child Health and Neonatal Nursing
 - 8.18.5. Nursing Administration
 - 8.18.6. Nursing Midwifery
 - 8.18.7. Occupational and Environmental Health Nursing
 - 8.18.8. Pediatric Nursing
 - 8.18.9. Perioperative, Operating Room and Surgical Nursing
 - 8.18.10. Psychiatric and Mental Health Nursing
 - 8.18.11. Public Health and Community Nursing
 - 8.18.12. Other Nursing
- 8.19. Optometry
- 8.20. Organisms
 - 8.20.1. Algae
 - 8.20.2. Animals
 - 8.20.3. Archaea
 - 8.20.4. Bacteria
 - 8.20.5. Fungi
 - 8.20.6. Mesomycetozoa
 - 8.20.7. Plants
 - 8.20.8. Viruses
- 8.21. Pharmacy and Pharmaceutical Sciences
 - 8.21.1. Medicinal and Pharmaceutical Chemistry
 - 8.21.2. Natural Products Chemistry and Pharmacognosy
 - 8.21.3. Pharmaceutics and Drug Design
 - 8.21.4. Pharmacoeconomics and Pharmaceutical Economics
 - 8.21.5. Pharmacy Administration, Policy and Regulation
 - 8.21.6. Other Pharmacy and Pharmaceutical Sciences
- 8.22. Psychiatry and Psychology
 - 8.22.1. Behavior and Behavior Mechanisms
 - 8.22.2. Behavioral Disciplines and Activities
 - 8.22.3. Dance Movement Therapy
 - 8.22.4. Mental Disorders
 - 8.22.5. Psychological Phenomena and Processes
 - 8.22.6. Other Psychiatry and Psychology
- 8.23. Public Health
 - 8.23.1. Clinical Epidemiology
 - 8.23.2. Community Health and Preventive Medicine
 - 8.23.3. Environmental Public Health

- 8.23.4. Epidemiology
- 8.23.5. Health and Medical Physics
- 8.23.6. Health Services Administration
- 8.23.7. Health Services Research
- 8.23.8. Influenza Humans
- 8.23.9. Influenza Virus Vaccines
- 8.23.10. International Public Health
- 8.23.11. Maternal and Child Health
- 8.23.12. Occupational Health and Industrial Hygiene
- 8.23.13. Public Health Education and Promotion
- 8.23.14. Women's Health
- 8.23.15. Other Public Health
- 8.24. Rehabilitation and Therapy
 - 8.24.1. Kinesiotherapy
 - 8.24.2. Movement and Mind-Body Therapies
 - 8.24.3. Occupational Therapy
 - 8.24.4. Orthotics and Prosthetics
 - 8.24.5. Physical Therapy
 - 8.24.6. Physiotherapy
 - 8.24.7. Recreational Therapy
 - 8.24.8. Respiratory Therapy
 - 8.24.9. Somatic Bodywork and Related Therapeutic Practices
 - 8.24.10. Vocational Rehabilitation Counseling
 - 8.24.11. Other Rehabilitation and Therapy
- 8.25. Sports Sciences
- 8.26. Translational Medical Research
- 8.27. Veterinary Medicine
 - 8.27.1. Comparative and Laboratory Animal Medicine
 - 8.27.2. Large or Food Animal and Equine Medicine
 - 8.27.3. Small or Companion Animal Medicine
 - 8.27.4. Veterinary Anatomy
 - 8.27.5. Veterinary Infectious Diseases
 - 8.27.6. Veterinary Microbiology and Immunobiology
 - 8.27.7. Veterinary Pathology and Pathobiology
 - 8.27.8. Veterinary Physiology
 - 8.27.9. Veterinary Preventive Medicine, Epidemiology, and Public Health
 - 8.27.10. Veterinary Toxicology and Pharmacology
 - 8.27.11. Other Veterinary Medicine
- 8.28. Other Medicine and Health Sciences
9. Physical Sciences and Mathematics
 - 9.1. Applied Mathematics
 - 9.1.1. Control Theory
 - 9.1.2. Dynamic Systems
 - 9.1.3. Non-linear Dynamics
 - 9.1.4. Numerical Analysis and Computation
 - 9.1.5. Ordinary Differential Equations and Applied Dynamics
 - 9.1.6. Partial Differential Equations
 - 9.1.7. Special Functions
 - 9.1.8. Other Applied Mathematics
 - 9.2. Astrophysics and Astronomy
 - 9.2.1. Cosmology, Relativity, and Gravity
 - 9.2.2. External Galaxies
 - 9.2.3. Instrumentation
 - 9.2.4. Physical Processes
 - 9.2.5. Stars, Interstellar Medium and the Galaxy
 - 9.2.6. The Sun and the Solar System
 - 9.2.7. Other Astrophysics and Astronomy
 - 9.3. Chemistry
 - 9.3.1. Analytical Chemistry
 - 9.3.2. Environmental Chemistry
 - 9.3.3. Inorganic Chemistry
 - 9.3.4. Materials Chemistry
 - 9.3.5. Medicinal-Pharmaceutical Chemistry
 - 9.3.6. Organic Chemistry
 - 9.3.7. Physical Chemistry
 - 9.3.8. Polymer Chemistry
 - 9.3.9. Radiochemistry
 - 9.3.10. Other Chemistry
 - 9.4. Computer Sciences
 - 9.4.1. Artificial Intelligence and Robotics
 - 9.4.2. Databases and Information Systems
 - 9.4.3. Graphics and Human Computer Interfaces
 - 9.4.4. Information Security
 - 9.4.5. Numerical Analysis and Scientific Computing
 - 9.4.6. OS and Networks
 - 9.4.7. Programming Languages and Compilers
 - 9.4.8. Software Engineering
 - 9.4.9. Systems Architecture
 - 9.4.10. Theory and Algorithms
 - 9.4.11. Other Computer Sciences
 - 9.5. Earth Sciences
 - 9.5.1. Biogeochemistry
 - 9.5.2. Cosmochemistry
 - 9.5.3. Geochemistry
 - 9.5.4. Geology
 - 9.5.5. Geomorphology
 - 9.5.6. Geophysics and Seismology
 - 9.5.7. Glaciology
 - 9.5.8. Hydrology
 - 9.5.9. Mineral Physics
 - 9.5.10. Paleobiology
 - 9.5.11. Paleontology
 - 9.5.12. Sedimentology
 - 9.5.13. Soil Science
 - 9.5.14. Speleology
 - 9.5.15. Stratigraphy
 - 9.5.16. Tectonics and Structure
 - 9.5.17. Volcanology
 - 9.5.18. Other Earth Sciences
 - 9.6. Environmental Sciences
 - 9.6.1. Environmental Education
 - 9.6.2. Environmental Health and Protection
 - 9.6.3. Environmental Indicators and Impact Assessment
 - 9.6.4. Environmental Monitoring
 - 9.6.5. Natural Resource Economics
 - 9.6.6. Natural Resources and Conservation
 - 9.6.7. Natural Resources
 - 9.6.8. Management and Policy
 - 9.6.8. Oil, Gas, and Energy
 - 9.6.9. Sustainability
 - 9.6.10. Water Resource Management
 - 9.6.11. Other Environmental Sciences
 - 9.7. Mathematics
 - 9.7.1. Algebra
 - 9.7.2. Algebraic Geometry
 - 9.7.3. Analysis
 - 9.7.4. Discrete Mathematics and Combinatorics
 - 9.7.5. Dynamical Systems
 - 9.7.6. Geometry and Topology
 - 9.7.7. Harmonic Analysis and Representation
 - 9.7.8. Logic and Foundations
 - 9.7.9. Number Theory
 - 9.7.10. Set Theory
 - 9.7.11. Other Mathematics
 - 9.8. Oceanography and Atmospheric Sciences and Meteorology
 - 9.8.1. Atmospheric Sciences
 - 9.8.2. Climate
 - 9.8.3. Fresh Water Studies
 - 9.8.4. Meteorology
 - 9.8.5. Oceanography
 - 9.8.6. Other Oceanography and Atmospheric Sciences and Meteorology
 - 9.9. Physics
 - 9.9.1. Atomic, Molecular and Optical Physics
 - 9.9.2. Biological and Chemical Physics
 - 9.9.3. Condensed Matter Physics
 - 9.9.4. Elementary Particles and Fields and String Theory
 - 9.9.5. Engineering Physics
 - 9.9.6. Fluid Dynamics
 - 9.9.7. Nuclear
 - 9.9.8. Optics
 - 9.9.9. Plasma and Beam Physics
 - 9.9.10. Quantum Physics
 - 9.9.11. Statistical, Nonlinear, and Soft Matter Physics
 - 9.9.12. Other Physics
 - 9.10. Statistics and Probability
 - 9.10.1. Applied Statistics
 - 9.10.2. Biometry
 - 9.10.3. Biostatistics
 - 9.10.4. Categorical Data Analysis
 - 9.10.5. Clinical Trials
 - 9.10.6. Design of Experiments and Sample Surveys
 - 9.10.7. Institutional and Historical
 - 9.10.8. Longitudinal Data Analysis and Time Series
 - 9.10.9. Microarrays
 - 9.10.10. Multivariate Analysis
 - 9.10.11. Probability
 - 9.10.12. Statistical Methodology
 - 9.10.13. Statistical Models
 - 9.10.14. Statistical Theory
 - 9.10.15. Survival Analysis
 - 9.10.16. Vital and Health Statistics
 - 9.10.17. Other Statistics and Probability
 - 9.11. Other Physical Sciences and

- Mathematics
- 10. Social and Behavioral Sciences
 - 10.1. Agricultural and Resource Economics
 - 10.1.1. Food Security Animal Studies
 - 10.2. Anthropology
 - 10.2.1. Archaeological Anthropology
 - 10.2.2. Biological and Physical Anthropology
 - 10.2.3. Folklore
 - 10.2.4. Linguistic Anthropology
 - 10.2.5. Social and Cultural Anthropology
 - 10.2.6. Other Anthropology
 - 10.3. Communication
 - 10.3.1. Communication Technology and New Media
 - 10.3.2. Critical and Cultural Studies
 - 10.3.3. Gender, Race, Sexuality, and Ethnicity in Communication
 - 10.3.4. Graphic Communications
 - 10.3.5. Health Communication
 - 10.3.6. International and Intercultural Communication
 - 10.3.7. Interpersonal and Small Group Communication
 - 10.3.8. Journalism Studies
 - 10.3.9. Mass Communication
 - 10.3.10. Organizational Communication
 - 10.3.11. Public Relations and Advertising
 - 10.3.12. Publishing
 - 10.3.13. Social Influence and Political Communication
 - 10.3.14. Social Media
 - 10.3.15. Speech and Rhetorical Studies
 - 10.3.16. Other Communication
 - 10.4. Counseling
 - 10.4.1. Counselor Education
 - 10.5. Economics
 - 10.5.1. Behavioral Economics
 - 10.5.2. Econometrics
 - 10.5.3. Economic History
 - 10.5.4. Economic Theory
 - 10.5.5. Finance
 - 10.5.6. Growth and Development
 - 10.5.7. Health Economics
 - 10.5.8. Income Distribution
 - 10.5.9. Industrial Organization
 - 10.5.10. International Economics
 - 10.5.11. Labor Economics
 - 10.5.12. Macroeconomics
 - 10.5.13. Political Economy
 - 10.5.14. Public Economics
 - 10.5.15. Regional Economics
 - 10.5.16. Other Economics
 - 10.6. Environmental Studies
 - 10.7. Food Studies
 - 10.8. Geography
 - 10.8.1. Geographic Information Sciences
 - 10.8.2. Human Geography
 - 10.8.3. Nature and Society Relations
 - 10.8.4. Physical and Environmental Geography
 - 10.8.5. Remote Sensing
 - 10.8.6. Spatial Science
 - 10.8.7. Other Geography
 - 10.9. International and Area Studies
 - 10.9.1. African Studies
 - 10.9.2. Asian Studies
 - 10.9.3. Eastern European Studies
 - 10.9.4. Latin American Studies
 - 10.9.5. Near and Middle Eastern Studies
 - 10.9.6. Soviet and Post-Soviet Studies
 - 10.9.7. Other International and Area Studies
 - 10.10. Leadership Studies
 - 10.11. Legal Studies
 - 10.11.1. Criminology and Criminal Justice
 - 10.11.2. Forensic Science and Technology
 - 10.11.3. Legal Theory
 - 10.11.4. Other Legal Studies
 - 10.12. Leisure Studies
 - 10.13. Library and Information Science
 - 10.13.1. Archival Science
 - 10.13.2. Cataloging and Metadata
 - 10.13.3. Collection Development and Management
 - 10.13.4. Information Literacy
 - 10.13.5. Scholarly Communication
 - 10.13.6. Scholarly Publishing
 - 10.14. Linguistics
 - 10.14.1. Anthropological Linguistics and Sociolinguistics
 - 10.14.2. Applied Linguistics
 - 10.14.3. Comparative and Historical Linguistics
 - 10.14.4. Computational Linguistics
 - 10.14.5. Discourse and Text Linguistics
 - 10.14.6. First and Second Language Acquisition
 - 10.14.7. Language Description and Documentation
 - 10.14.8. Morphology
 - 10.14.9. Phonetics and Phonology
 - 10.14.10. Psycholinguistics and Neurolinguistics
 - 10.14.11. Semantics and Pragmatics
 - 10.14.12. Syntax
 - 10.14.13. Typological Linguistics and Linguistic Diversity
 - 10.14.14. Other Linguistics
 - 10.15. Organization Development
 - 10.16. Political Science
 - 10.16.1. American Politics
 - 10.16.2. Comparative Politics
 - 10.16.3. International Relations
 - 10.16.4. Models and Methods
 - 10.16.5. Political Theory
 - 10.16.6. Other Political Science
 - 10.17. Psychology
 - 10.17.1. Applied Behavior Analysis
 - 10.17.2. Biological Psychology
 - 10.17.3. Child Psychology
 - 10.17.4. Clinical Psychology
 - 10.17.5. Cognition and Perception
 - 10.17.6. Cognitive Psychology
 - 10.17.7. Community Psychology
 - 10.17.8. Comparative Psychology
 - 10.17.9. Counseling Psychology
 - 10.17.10. Developmental Psychology
 - 10.17.11. Experimental Analysis of Behavior
 - 10.17.12. Health Psychology
 - 10.17.13. Industrial and Organizational Psychology
 - 10.17.14. Multicultural Psychology
 - 10.17.15. Pain Management
 - 10.17.16. Personality and Social Contexts
 - 10.17.17. Quantitative Psychology
 - 10.17.18. School Psychology
 - 10.17.19. Social Psychology
 - 10.17.20. Theory and Philosophy
 - 10.17.21. Transpersonal Psychology
 - 10.17.22. Other Psychology
 - 10.18. Public Affairs, Public Policy and Public Administration
 - 10.18.1. Defense and Security Studies
 - 10.18.2. Economic Policy
 - 10.18.3. Education Policy
 - 10.18.4. Emergency and Disaster Management
 - 10.18.5. Energy Policy
 - 10.18.6. Environmental Policy
 - 10.18.7. Health Policy
 - 10.18.8. Infrastructure
 - 10.18.9. Military and Veterans Studies
 - 10.18.10. Peace and Conflict Studies
 - 10.18.11. Policy Design, Analysis, and Evaluation
 - 10.18.12. Policy History, Theory, and Methods
 - 10.18.13. Public Administration
 - 10.18.14. Public Affairs
 - 10.18.15. Public Policy
 - 10.18.16. Recreation, Parks and Tourism Administration
 - 10.18.17. Science and Technology Policy
 - 10.18.18. Social Policy
 - 10.18.19. Social Welfare
 - 10.18.20. Terrorism Studies
 - 10.18.21. Transportation
 - 10.18.22. Urban Studies
 - 10.18.23. Other Public Affairs, Public Policy and Public Administration
 - 10.19. Science and Technology Studies
 - 10.20. Social Statistics
 - 10.21. Social Work
 - 10.22. Sociology
 - 10.22.1. Civic and Community Engagement
 - 10.22.2. Community-Based Learning
 - 10.22.3. Community-Based Research
 - 10.22.4. Criminology
 - 10.22.5. Demography, Population,

and Ecology
 10.22.6. Domestic and Intimate
 Partner Violence
 10.22.7. Educational Sociology
 10.22.8. Family, Life Course, and
 Society
 10.22.9. Gender and Sexuality
 10.22.10. Gerontology
 10.22.11. Human Ecology
 10.22.12. Inequality and
 Stratification
 10.22.13. Medicine and Health
 10.22.14. Place and Environment

10.22.15. Politics and Social Change
 10.22.16. Quantitative, Qualitative,
 Comparative, and Historical
 Methodologies
 10.22.17. Race and Ethnicity
 10.22.18. Regional Sociology
 10.22.19. Rural Sociology
 10.22.20. Service Learning
 10.22.21. Social Control, Law,
 Crime, and Deviance
 10.22.22. Social Psychology and
 Interaction
 10.22.23. Sociology of Culture

10.22.24. Sociology of Religion
 10.22.25. Theory, Knowledge and
 Science
 10.22.26. Tourism
 10.22.27. Work, Economy and
 Organizations
 10.22.28. Other Sociology
 10.23. Sports Studies
 10.24. Urban Studies and Planning
 10.25. Other Social and Behavioral
 Sciences

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Display Label	Value (use for Batch Revise)
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No Known Copyright	http://rightsstatements.org/vocab/NKC/1.0/