This Agreement is between the author (Author) and ProQuest LLC, through its UMI® Dissertation Publishing business (ProQuest/UMI). Under this Agreement, Author grants ProQuest/UMI certain rights to preserve, archive and publish the dissertation or thesis, abstract, and index terms (the Work) provided by Author to ProQuest/UMI.

Section I. License for Inclusion of the Work in UMI® Publishing Program.

Grant of Rights. Author hereby grants to ProQuest/UMI the non-exclusive, worldwide right to reproduce, distribute, display and transmit the Work (in whole or in part) in such tangible and electronic formats as may be in existence now or developed in the future. Author further grants to ProQuest/UMI the right to include the abstract, bibliography and other metadata in the ProQuest Dissertations & Theses database (PQDT) and in ProQuest/UMI’s Dissertation Abstracts International and any successor or related index and/or finding products or services.

UMI® Publishing Program - Election and Elements. The rights granted above shall be exercised according to the publishing option selected by Author in Section III, Author Options, and subject to the following additional Publishing Program requirements:

- Redistribution of the Work. Except as restricted by Author in the publishing option selected, the rights granted by Author automatically include (1) the right to allow sale and distribution of the Work, in whole or in part, by agents and distributors, including but not limited to commercial retail outlets and (2) the right to make the Abstract, bibliographic data and any meta data associated with the Work available to search engines and harvesters.

- Restrictions. ProQuest/UMI will use commercially reasonable efforts to restrict the distribution of the Work as provided under the publishing option selected by Author or as later elected by Author through direct contact with ProQuest/UMI. Such election is subject to Author’s Degree Granting Institution Directives (see below). With respect to restrictions requested after submission of the Work, Author acknowledges that ProQuest/UMI cannot recall or amend previously distributed versions of the Work.

- Removal of Work from the Program. ProQuest/UMI may elect not to distribute the Work if it believes that all necessary rights of third parties have not been secured. Refer to the website http://www.proquest.com/products_umi/dissertations/ for information about copyright and your dissertation or thesis. If Author’s degree is rescinded, and the degree-granting institution so directs, ProQuest/UMI will expunge the Work from its publishing program in accordance with its then current publishing policies.

- Degree Granting Institution Directives. Author is solely responsible for any conflict between policies and directions of Author’s degree-granting institution, Author’s choice of publishing model, and/or any restriction Author places on the use of the Work. For the avoidance of doubt, ProQuest/UMI is not responsible for access to the Work that is provided by Author’s degree-granting institution through its library or institutional repository. Author must work directly with Author’s degree granting institution to ensure application of any restrictions to access relating to the Work by Author’s degree granting institution.

Copyright and Deposit with the Library of Congress. At Author’s option and upon payment of the applicable fee, ProQuest/UMI will submit an application for registration of Author’s copyright in the Work in Author’s name. In addition, regardless of whether copyright registration of the Work is sought, ProQuest/UMI may make a copy of the Work available to the Library of Congress in digital, microform or other format as required by the Library of Congress.

Publishing Fees and Royalties. Author shall remit the publishing fees and the optional copyright registration fees as appropriate for the publishing option chosen by Author, and as specified by Author’s degree-granting institution. Except as provided under the Traditional Publishing option, no royalties shall be due from ProQuest/UMI to Author.

Delivery of the Work. Author shall provide to ProQuest/UMI the Work and all necessary supporting documents during the online submission process, according to the Instructions accompanying this agreement.

Rights Verification. Author represents and warrants that Author is the copyright holder of the Work and has obtained all necessary rights to permit ProQuest/UMI to reproduce and distribute third party materials contained in any part of the Work, including all necessary licenses for any non-public, third party software necessary to access, display, and run or print the Work. Author is solely responsible and will indemnify ProQuest/UMI for any third party claims related to the Work as submitted for publication.

Section II-A. Rights pursuant to Traditional Publishing.

Author’s election of Traditional as the Type of Publishing confirms Author’s choice to have ProQuest/UMI publish the Work according to the Traditional Publishing option described below.

Traditional Publishing. ProQuest/UMI may exercise the rights granted under Section I above including through the sale of individual copies of the Work in tangible or electronic media and/or as part of electronic database and reference products or services. 

Publishing Fees and Royalties. Author’s payment of the dissertation or thesis publishing fee is a one-time, up-front fee. Author’s institution may assess additional fees to be collected along with the publishing fee. ProQuest/UMI will pay royalties of 10% of its net revenue from sales of the Work, conditioned on Author maintaining a current address on record with ProQuest/UMI. Royalties will be paid when accrued earned royalties reach $25.00. If, after 25 years, earned royalties do not accrue to at least $25.00, ProQuest/UMI’s royalty payment obligation will cease.

Section II-B. Rights pursuant to Open Access Publishing PLUS.
Author’s election of Open Access Publishing PLUS as the Type of Publishing confirms Author’s choice to have ProQuest/UMI publish the Work according to the Open Access Publishing PLUS option described here.

Open Access Publishing PLUS. In addition to the rights granted under Section I of this UMI® Publishing Agreement, ProQuest/UMI may reproduce, distribute, display and transmit the Work in electronic format in the ProQuest Dissertations & Theses database, where it may be made available for free download. A subset of the ProQuest Dissertations & Theses database, currently known as PQDT Open, may be accessed by the academic community as well as through major search engines and open access harvesters. ProQuest/UMI may also provide an electronic copy of the Work to Author’s degree-granting institution where it may also be posted for free open access. Learn more: http://www.proquest.com/en-US/products/dissertations/epoa.shtml

Copy Sales. ProQuest/UMI and its agents and distributors may offer copies of the Work for sale in tangible media, including but not limited to microform, print and CD-ROM, as well as in electronic format either individually or as part of its electronic database and reference products and services. No royalties shall be due to Author.

Publishing Fees. Author’s payment of the additional Open Access Publishing PLUS fee is a one-time, up-front fee in addition to the UMI® dissertation or thesis publishing fee. Author’s institution may assess additional fees to be collected along with the Open Access publishing fee.

Section III. Publishing Options & Signature

Select the publishing options below that best fit your interests and scholarly publishing obligations.

Traditional Publishing

☐ I want to make my work widely available and I want to be eligible to receive royalties on the sale of my work.
  - I understand that I must maintain a current mailing address with ProQuest/UMI in order to be eligible to receive royalties.
  - I understand that the ProQuest/UMI fee for Traditional Publishing is $25 for Master’s thesis and $25 for Doctoral dissertations.
  - I understand that my graduate institution may pay all or a portion of the total fee as well as may require additional fees in association with my submission to ProQuest/UMI.

Open Access Publishing PLUS

☒ I want the broadest possible dissemination of my work, and I want to provide free global access to the electronic copy of my work via the internet.
  - I understand that I will not be eligible to receive royalties.
  - I understand that the ProQuest/UMI fee for Open Access Publishing PLUS of Master’s thesis is $120 and for Dissertations is $120, and that my graduate institution may pay all or a portion of the total fee as well as may require additional fees in association with my submission to ProQuest/UMI.

SELECT PUBLISHING OPTIONS

I want my work to be available as soon as it is published

☒ Yes
☐ No – I would like access to the full text of my work to be delayed for the following period of time:
  □ 6 month embargo
  □ 1 year embargo
  □ 2 year embargo

Note: Most institutions have delayed release (embargo) policies, please consult with your Graduate School/Program, if you need to delay the release of your work. Access to the full-text of your work will be delayed for the time period specified above, beginning from the date that we receive your manuscript at ProQuest/UMI. During this time, only your citation and abstract will appear in the ProQuest Dissertations & Theses Database (PQDT).

I want major search engines (e.g. Google, etc…) to discover my work. Learn more: http://www.proquest.com/en-US/products/dissertations/google.shtml

☒ Yes
☐ No

I want my graduate work to be sold by third party retailers in addition to ProQuest/UMI. (Note: If Traditional Publishing is chosen above, all sales are eligible to accrue royalties.)

☒ Yes
☐ No

Acknowledgment: I have read, understand and agree to this UMI® Publishing Agreement, including all rights and restrictions included within the publishing option chosen by me as indicated above.

REQUIRED Author’s signature ____________________________ Date ____________________________

(Print Name) ____________________________________________________________________________

Institution conferring degree __________________________________________________________________

Questions: Our Author Relations Team is available by phone at (800) 521-0600 ext. 7020 or by email at disspub@proquest.com

Need help selecting a subject heading? Contact our editors at (800)-521-0600 ext. 4883 (Social Sciences/Humanities) or ext. 2209(Sciences/Engineering)
**Dissertation/Master’s Thesis Submission Form**

Please print clearly in block letters

---

**Personal Information**

Last Name: Moseley

First Name: Brian

Middle Name or Initial: Isles

Country (ies) of Citizenship: USA

---

**Degree & Dissertation Information**

Title of Dissertation/Thesis: Description of Instructional Design Framework Usage in The Development of Learning Objects

Institution conferring degree: Virginia Tech

College, School, or Division: School of Education

Department or Program: Instructional Design and Technology

Advisor/Committee Chair: Barbara B. Lockee

Committee Member: Kenneth R. Potter

Committee Member: Katherine S. Cennamo

Committee Member: John K. Burton

Language of manuscript: English

Primary Subject Category: Instructional Design

0447 Instructional Design

Code : 0727 Category : Curriculum Development

You may suggest two additional subject categories that may aid in the discovery of your work in our digital database.

---

**Current Contact Information**

Current Email Address: Moseleb@gmail.com

Street Address (line 1): 2008 Misty Fog Ct

Street Address (line 2): 

City: Raleigh

State/Province: NC

Postal Code: 27603

Daytime Phone: 336-337-4443

Evening Phone:

---

**Permanent Contact Information**

Permanent Email Address: Moseleb@gmail.com

Street Address (line 1): PO Box 29082

Street Address (line 2): 

City: Greensboro

State/Province: NC

Postal/ZIP code: 27429

Alternate Phone: 

---

THIS PAGE MUST ACCOMPANY YOUR MANUSCRIPT AND THE REST OF YOUR SUBMISSION MATERIALS

Attach additional, separate copies of your Title Page and Abstract to this form
Guide 2: Subject Categories

The ProQuest Dissertations and Theses (PQDT) database and the ProQuest/UMI citation indices are arranged by subject categories. Please select the one category below that best describes your field of research or creative work. You may add one or two additional categories on your submission form that will also be associated with your work as secondary subjects.

**Arts, Business, Education, Humanities, and Social Sciences**

<table>
<thead>
<tr>
<th>AREA, ETHNIC, AND GENDER STUDIES</th>
<th>BUSINESS</th>
<th>COMMUNICATIONS AND INFORMATION SCIENCES</th>
<th>EDUCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American studies 0296</td>
<td>Accounting 0272</td>
<td>Communication 0459</td>
<td>Adult education 0516</td>
</tr>
<tr>
<td>African studies 0293</td>
<td>Arts management 0424</td>
<td>Information science 0723</td>
<td>Art education 0273</td>
</tr>
<tr>
<td>American studies 0323</td>
<td>Banking 0770</td>
<td>Journalism 0391</td>
<td>Bilingual education 0282</td>
</tr>
<tr>
<td>Asian American studies 0343</td>
<td>Business 0310</td>
<td>Library science 0399</td>
<td>Business education 0688</td>
</tr>
<tr>
<td>Asian studies 0342</td>
<td>Entrepreneurship 0429</td>
<td>Mass communication 0708</td>
<td>Community college education 0275</td>
</tr>
<tr>
<td>Baltic studies 0361</td>
<td>Finance 0508</td>
<td>Technical communication 0643</td>
<td>Continuing education 0651</td>
</tr>
<tr>
<td>Black studies 0325</td>
<td>Management 0454</td>
<td>Web studies 0646</td>
<td>Curriculum development 0727</td>
</tr>
<tr>
<td>Canadian studies 0385</td>
<td>Marketing 0338</td>
<td></td>
<td>Early childhood education 0518</td>
</tr>
<tr>
<td>Caribbean studies 0432</td>
<td>Sports management 0430</td>
<td></td>
<td>Education 0515</td>
</tr>
<tr>
<td>Classical studies 0434</td>
<td></td>
<td></td>
<td>Education finance 0277</td>
</tr>
<tr>
<td>East European studies 0437</td>
<td></td>
<td></td>
<td>Education policy 0458</td>
</tr>
<tr>
<td>Ethnic studies 0631</td>
<td></td>
<td></td>
<td>Educational administration 0514</td>
</tr>
<tr>
<td>European studies 0440</td>
<td></td>
<td></td>
<td>Educational evaluation 0443</td>
</tr>
<tr>
<td>French Canadian culture 0482</td>
<td></td>
<td></td>
<td>Educational leadership 0449</td>
</tr>
<tr>
<td>Gender studies 0733</td>
<td></td>
<td></td>
<td>Educational psychology 0525</td>
</tr>
<tr>
<td>GLBT studies 0492</td>
<td></td>
<td></td>
<td>Educational technology 0710</td>
</tr>
<tr>
<td>Hispanic American studies 0737</td>
<td></td>
<td>Educational tests &amp; measurements 0288</td>
<td></td>
</tr>
<tr>
<td>Holocaust studies 0507</td>
<td></td>
<td>Elementary education 0524</td>
<td></td>
</tr>
<tr>
<td>Islamic culture 0512</td>
<td></td>
<td>English as a second language 0441</td>
<td></td>
</tr>
<tr>
<td>Judaic studies 0751</td>
<td></td>
<td>Foreign language instruction 0444</td>
<td></td>
</tr>
<tr>
<td>Latin American studies 0550</td>
<td></td>
<td>Gifted education 0445</td>
<td></td>
</tr>
<tr>
<td>Middle Eastern studies 0555</td>
<td></td>
<td>Health education 0680</td>
<td></td>
</tr>
<tr>
<td>Native American studies 0740</td>
<td></td>
<td>Higher education 0745</td>
<td></td>
</tr>
<tr>
<td>Near Eastern studies 0559</td>
<td></td>
<td>Higher education administration 0446</td>
<td></td>
</tr>
<tr>
<td>North African studies 0560</td>
<td>Art criticism 0365</td>
<td>History of education 0520</td>
<td></td>
</tr>
<tr>
<td>Pacific Rim studies 0561</td>
<td>Art history 0377</td>
<td>Home economics education 0278</td>
<td></td>
</tr>
<tr>
<td>Regional studies 0604</td>
<td>Cinematography 0435</td>
<td>Industrial arts education 0521</td>
<td></td>
</tr>
<tr>
<td>Scandinavian studies 0613</td>
<td>Dance 0378</td>
<td>Instructional design 0447</td>
<td></td>
</tr>
<tr>
<td>Slavic studies 0614</td>
<td>Design 0389</td>
<td>Language arts 0279</td>
<td></td>
</tr>
<tr>
<td>South African studies 0654</td>
<td>Film studies 0900</td>
<td>Mathematics education 0280</td>
<td></td>
</tr>
<tr>
<td>South Asian studies 0638</td>
<td>Fine arts 0357</td>
<td>Middle school education 0450</td>
<td></td>
</tr>
<tr>
<td>Sub Saharan Africa studies 0639</td>
<td>Music 0413</td>
<td>Multicultural education 0455</td>
<td></td>
</tr>
<tr>
<td>Women's studies 0453</td>
<td>Performing arts 0641</td>
<td>Music education 0522</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theater 0465</td>
<td>Pedagogy 0456</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theater history 0644</td>
<td>Performing arts education 0457</td>
<td></td>
</tr>
</tbody>
</table>

ProQuest/UMI® Dissertation Publishing 2011 – 2012 Subject Category Guide
# HUMANITIES

## HISTORY
- African history: 0331
- American history: 0337
- Ancient history: 0579
- Asian history: 0332
- Black history: 0328
- Canadian history: 0334
- European history: 0335
- History: 0578
- History of Oceania: 0504
- History of science: 0585
- Latin American history: 0336
- Medieval history: 0581
- Middle Eastern history: 0333
- Military history: 0722
- Modern history: 0582
- Russian history: 0724
- World history: 0506

## LAW AND LEGAL STUDIES
- Alternative dispute resolution: 0649
- Intellectual property: 0513
- International law: 0616
- Law: 0398
- Patent law: 0562

## SOCIAL SCIENCES
- Archaeology: 0324
- Area planning and development: 0341
- Criminology: 0627
- Cultural anthropology: 0326
- Demography: 0938
- Economic history: 0509
- Economic theory: 0511
- Economics: 0501
- Economics, Commerce-Business: 0505
- Economics, Labor: 0510
- Folklore: 0358
- Forensic anthropology: 0339
- Geography: 0366
- Individual & family studies: 0628
- International relations: 0601
- Labor relations: 0629
- Military studies: 0750
- Organization theory: 0635
- Organizational behavior: 0703
- Peace studies: 0563
- Physical anthropology: 0327
- Political Science: 0615
- Public administration: 0617
- Public policy: 0630
- Recreation and tourism: 0814
- Social research: 0344
- Social structure: 0700
- Social work: 0452
- Sociolinguistics: 0636
- Sociology: 0626
- Transportation planning: 0709
- Urban planning: 0999

# LANGUAGE & LITERATURE
- African literature: 0316
- American literature: 0591
- Ancient languages: 0289
- Asian literature: 0305
- Canadian literature: 0352
- Caribbean literature: 0360
- Classical literature: 0294
- Comparative literature: 0295
- English literature: 0593
- French Canadian literature: 0355
- Germanic literature: 0311
- Icelandic & Scandinavian literature: 0362
- Language: 0679
- Latin American literature: 0312
- Linguistics: 0290
- Literature: 0401
- Literature of Oceania: 0356
- Medieval literature: 0297
- Middle Eastern literature: 0315
- Modern language: 0291
- Modern literature: 0298
- Rhetoric: 0681
- Romance literature: 0313
- Slavic literature: 0314

# PHILOSOPHY AND RELIGION
- Aesthetics: 0650
- Biblical studies: 0321
- Canon law: 0375
- Clerical studies: 0319
- Comparative religion: 0618
- Divinity: 0376
- Epistemology: 0393
- Ethics: 0394
- Logic: 0395
- Metaphysics: 0396
- Pastoral counseling: 0397
- Philosophy: 0422
- Philosophy of Religion: 0322
- Philosophy of science: 0402
- Religion: 0318
- Religious history: 0320
- Spirituality: 0647
- Theology: 0469
# Behavioral, Natural, and Physical Sciences

## AGRICULTURE
- Agriculture 0473
- Agriculture economics 0503
- Agronomy 0285
- Animal diseases 0476
- Animal sciences 0475
- Fisheries and aquatic sciences 0792
- Forestry 0478
- Horticulture 0471
- Plant pathology 0480
- Plant sciences 0479
- Range management 0777
- Soil sciences 0481
- Urban forestry 0281
- Wildlife management 0286

## ARCHITECTURE
- Architecture 0729
- Architectural engineering 0462
- Landscape architecture 0390

## BEHAVIORAL SCIENCES
- Animal behavior 0602
- Behavioral sciences 0384
- Clinical psychology 0633
- Counseling psychology 0603
- Developmental psychology 0620
- Experimental psychology 0623
- Occupational psychology 0624
- Personality psychology 0625
- Physiological psychology 0989
- Psychobiology 0349
- Psychology 0621
- Quantitative psychology and psychometrics 0632
- Social psychology 0451

## BIOLOGICAL SCIENCES
- Biochemistry 0487
- Bioinformatics 0715
- Biology 0306
- Biomechanics 0648
- Biophysics 0786
- Biostatistics 0308
- Cellular biology 0379
- Developmental biology 0758
- Endocrinology 0409
- Entomology 0353
- Evolution & development 0412
- Genetics 0369
- Histology 0414
- Limnology 0793
- Microbiology 0410
- Molecular biology 0307
- Morphology 0287
- Neurosciences 0317
- Parasitology 0718
- Physiology 0719
- Plant biology 0309
- Systematic biology 0423
- Virology 0720
- Zoology 0472

## ECOSYSTEM SCIENCES
- Ecology 0329
- Macroeconomics 0420
- Paleocology 0426

## ENGINEERING
- Aerospace engineering 0538
- Artificial intelligence 0800
- Automotive engineering 0540
- Biomedical engineering 0541
- Chemical engineering 0542
- Civil engineering 0543
- Computer engineering 0464
- Computer science 0984
- Electrical engineering 0544
- Geophysical engineering 0466
- Geotechnical engineering 0428
- Industrial engineering 0546
- Mechanical engineering 0548
- Mining engineering 0551
- Naval engineering 0468
- Nanotechnology 0652
- Nuclear engineering 0552
- Ocean engineering 0547
- Operations research 0796
- Packaging 0549
- Petroleum engineering 0765
- Plastics 0795
- Robotics 0771
- System science 0790
- Materials Science 0794

## GEO SCIENCES
- Aeronomy 0367
- Atmospheric chemistry 0371
- Atmospheric sciences 0725
- Biogeochistry 0425
- Biological oceanography 0416
- Chemical oceanography 0403
- Continental dynamics 0406
- Geobiology 0483
- Geochemistry 0996
- Geographic information science and geodesy 0370
- Geology 0372
- Geomorphology 0484
- Geophysics 0373
- Hydrologic sciences 0388
- Marine geology 0556
- Meteorology 0557
- Mineralogy 0411
- Paleoclimate science 0653
- Paleontology 0418
- Petroleum geology 0583
- Petrology 0584
- Physical geography 0368
- Physical oceanography 0415
- Planetology 0590
- Plate tectonics 0592
- Remote sensing 0799
- Sedimentary geology 0594

## HEALTH AND MEDICAL SCIENCES
- Aging 0493
- Alternative medicine 0496
- Audiology 0300
- Dentistry 0567
- Epidemiology 0766
- Gerontology 0351
- Health care management 0769
- Health sciences 0566
- Immunology 0982
- Kinesiology 0575
- Medical ethics 0497
- Medical imaging and radiology 0574
- Medicine 0564
- Mental health 0347
- Nursing 0569
- Nutrition 0570
- Obstetrics and gynecology 0380
- Occupational health 0354
- Occupational therapy 0498
- Oncology 0992
- Ophthalmology 0381
- Osteopathic medicine 0499
- Pathology 0571
- Pharmaceutical sciences 0572
- Pharmacology 0419
- Physical therapy 0382
- Public health 0573
- Public health occupations education 0500
- Speech therapy 0460
- Surgery 0576
- Toxicology 0383
- Veterinary medicine 0778
MATHEMATICAL AND PHYSICAL SCIENCES

Acoustics 0986
Analytical chemistry 0486
Applied mathematics 0364
Astronomy 0606
Astrophysics 0596
Atomic physics 0748
Chemistry 0485
Condensed matter physics 0611
Electromagnetics 0607
High temperature physics 0597
Inorganic chemistry 0488
Low temperature physics 0598
Materials science 0794
Mathematics 0405
Mechanics 0346
Molecular chemistry 0431
Molecular physics 0609
Nanoscience 0565
Nuclear chemistry 0738
Nuclear physics 0756
Optics 0752
Organic chemistry 0490
Particle physics 0798
Physical chemistry 0494
Physics 0605
Plasma physics 0759
Polymer chemistry 0495
Quantum physics 0599
Statistics 0463
Theoretical mathematics 0642
Theoretical physics 0753