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#QMResearch

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QUALITY MATTERS

QM

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What the Research Says: Finding Pieces of the Puzzle and Putting It Together

Presenters

- Kay Shattuck, Quality Matters
- Ericka Hollis, University of Kentucky
- Deborah Anne Banker, Tarleton State University
- Dave Meabon, University of Toledo
- Bethany Simunich, Kent State University

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Agenda

- Research: Validating & Disseminating
- K-12 themes
- HE themes
- Teaching themes
- Activity: How you might use this information

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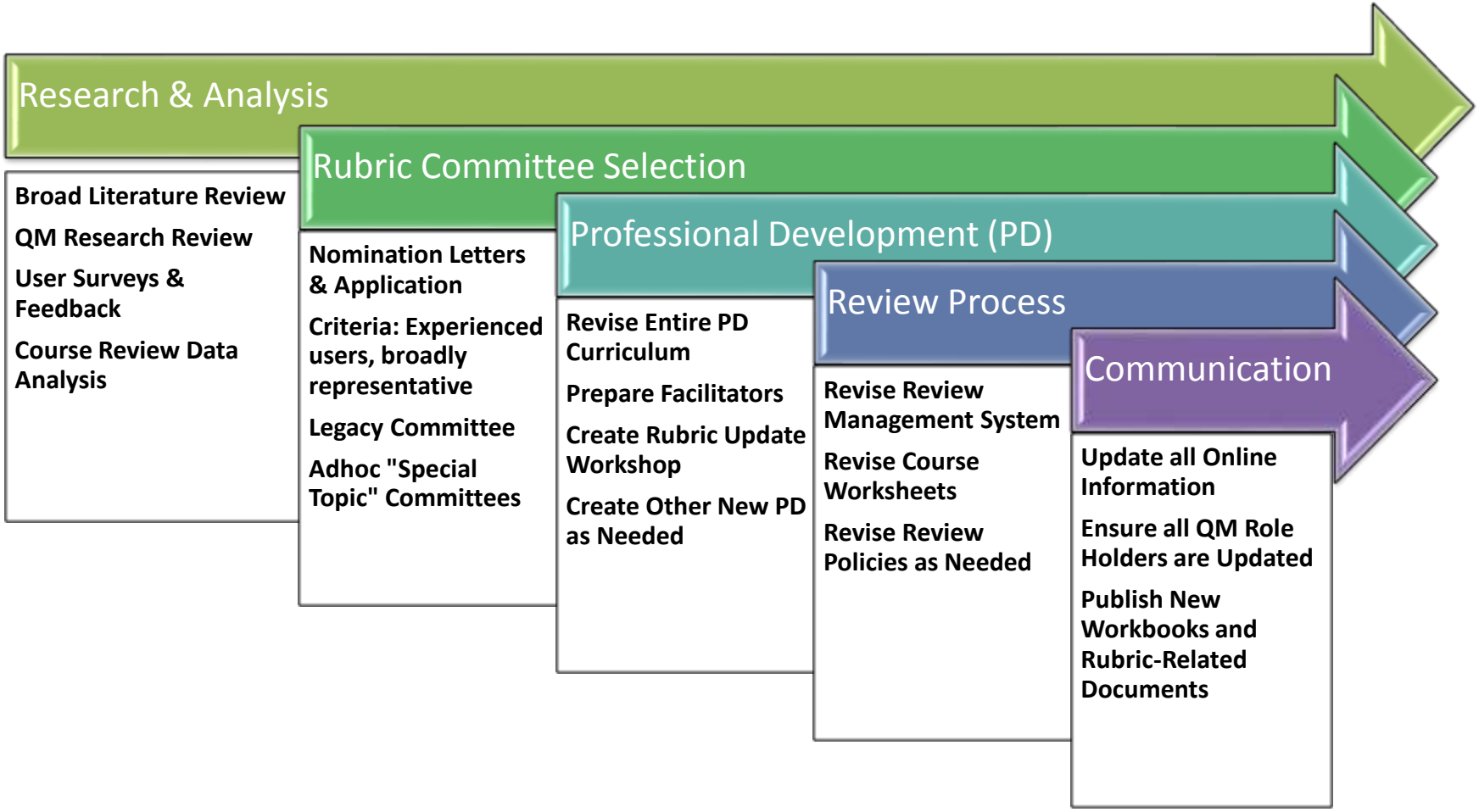
Validating QM Standards: Rubric Review Process



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QM Open Resource: Research Library

QM Research Library

https://www.qualitymatters.org/research

QM RESEARCH

- Organization Information
- Subscribe to QM In 4 Steps
- News & Media
- Events
- Research
  - Research Library
  - QM Impact Summary
  - QM Research Resources
  - QM-Supported Research
  - Accessibility Policy Guidelines
  - QM Research Colleagues

The Quality Matters Rubric is centered on relevant research and was initially developed based on a review of the literature and the expertise of experienced practitioners and existing standard sets. Each of the Specific Rubric Standards is supported by literature from the field. A literature review is conducted for each new Rubric edition that builds upon this core matrix.

QM-Focused Research Highlights

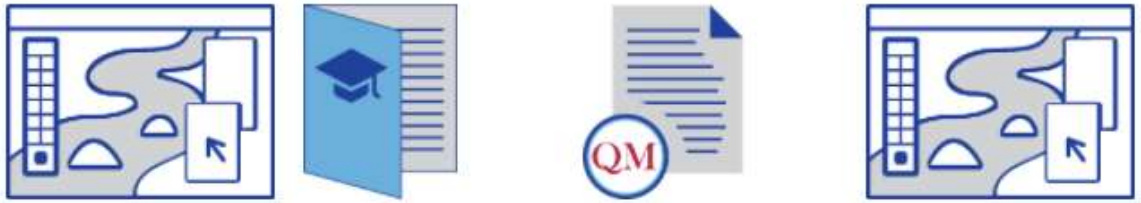
Interested in conducting research on QM?

Here are some important first steps to take before embarking on a Quality Matters-focused research project:

1. Review existing research in the QM Research Library — a repository for QM-

Get the QM Accessibility Policy Guidelines

Order your copy of ***Assuring Quality in Online Education*** edited by Kay Shattuck, D.Ed., QM's Director of Research and save 20%!



QM Impact Summary | AJDE | Research Inputs and | Educause

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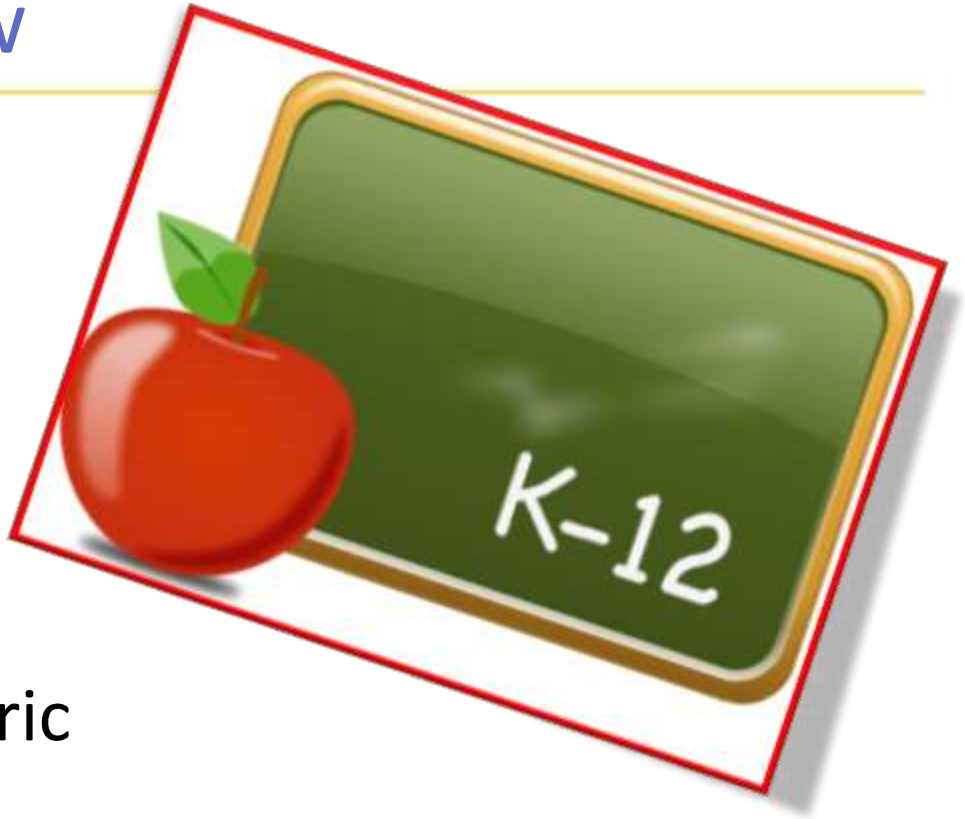
K-12 lit review



- 2012 summary
- 2014 themes
- Themes Impact on Rubric
- Example article

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Chris Voelker, K-12 Program Director

"The latest K-12 Literature review showed an expansion in research in the area of interactions within online courses- giving us a clearer focus on the importance of continuing to include this as an integral component of course design. In revising the Rubric, the Review Committee took a close look at this, making sure that the dimensions of interactions and engagement continued to remain relevant and emphasize the importance of its alignment within the rest of the QM Standards."

8th QM Annual Conference – October/November 2016 – Portland, OR

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Higher Education Literature Review

- Process
- Themes
- Two interesting recent studies

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Higher Education - Process

QM Annotated Bibliography Project Team

	Standard	Team Assignments and Contact Information
No.1	Course Overview and Introduction	Rachel Barnes 419-530-2332 Rachel.Barnes@UToledo.edu
No.2	Learning Objectives	Shannon Neumann 419-530-1234 Shannon.Neumann@utoledo.edu Phoebe Ballard Phone: 419-530-4379 Phoebe.ballard@utoledo.edu
No.3	Assessment and Measurement	Dr. Mingli Xiao 419-530-4390 Email: mingli.xiao@utoledo.edu Shujuan Wang 419-530-8835 Shujuan.Wang@rockets.utoledo.edu
No.4	Instructional Materials	Dr. Dave Meabon Phone: 419-530-2666 UT Email: david.meabon@utoledo.edu
No.5	Learner Activity and Learner Interaction	Silvia Lucaschi-Decker Phone: 614-421-8007 (cell) UT email - Silvia.LucaschiDecker@rockets.utoledo.edu Dr. Silvia Suh Phone: 419-530-4016 Sylvia.Suh@UToledo.edu
No.6	Course Technology	Dr. Jeff Jablonski Phone: 419.530.4079 UT Email: Jeffrey.Jablonski@utoledo.edu
No.7	Learner Support	Dr.Claire Stuve Phone: 419-530-4383 Claire.Stuve@utoledo.edu
No.8	Accessibility and Usability	Kirsten Winek Phone: 419-530-4712 Email: kirsten.winek@utoledo.edu Dr. Lei Song Phone: 419-530-2149 UT Email: Lei.Song2@UToledo.edu
	Library Support **Wade Lee** **419.530.4490** **Wade.lee@utoledo.edu**	

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Extensive Electronic Data Base Search

ProQuest Dissertations & Theses A&I Database

Search:

all("computer assisted instruction" OR "web-based instruction" OR "online courses" OR "online education" OR "online learning" OR "online teaching" OR "e-learning" OR "elearning" OR "electronic learning" OR "learning management systems" OR "course management systems" OR "courseware" OR "Blended learning" OR "distance learning" OR "distance education" OR "virtual classrooms" OR " internet in education" OR "mobile communication systems in education" OR " computers in education") AND all((instruction* n/3 design* OR course* n/3 design*))

Note: n/3 means 'within three words of'

Additional limits - Date: After December 31 2012

401 Results

EBSCO Search

Databases:

ERIC, Academic Search Complete, Education Full Text (H.W. Wilson), Education Research Complete, Professional Development Collection, Psychology and Behavioral Sciences Collection, PsycINFO

Search

(instruction* design* OR course design*) AND ("computer assisted instruction" OR "web-based instruction" OR "online courses" OR "online education" OR "online learning" OR "online teaching" OR "e-learning" OR "elearning" OR "electronic learning" OR "learning management systems" OR "course management systems" OR "courseware" OR "Blended learning" OR "distance learning" OR "distance education" OR "virtual classrooms" OR " internet in education" OR "mobile communication systems in education" OR " computers in education") NOT TI Proceedings

Limits:

Publication Type: Articles, Dissertations, Reports

Year: 2013-2016

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Initial Results

• Education Research Complete	484
• ERIC	378
• Academic Search Complete	319
• Education Full Text (Wilson)	237
• PsycINFO	192
• Professional Development Collection	164
• Psychology & Behavioral Sci Collection	25
– Total	1578
Total after removing duplicates	**930**

PLUS
Others as Located

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My Library

All References 1226
Sync Status...
Unfiled 799
Trash 5

NOT APPLICABLE
Flipped Classrooms 21
NA - Not Design 52
NA - Not Higher Ed 131
NA - Not Research 114
NA - Other 57

RUBRIC STANDARDS
1 Course Overview / Intro 3
2 Learning Objectives 4
3 Assessment 3
4 Instructional Materials 5
5 Course Activities Learne... 19
6 Course Technology 8
7 Learner Support 2
8 Accessability Usability 18

MY GROUPS
Kept Citations (any standard) 60
New Trends 4

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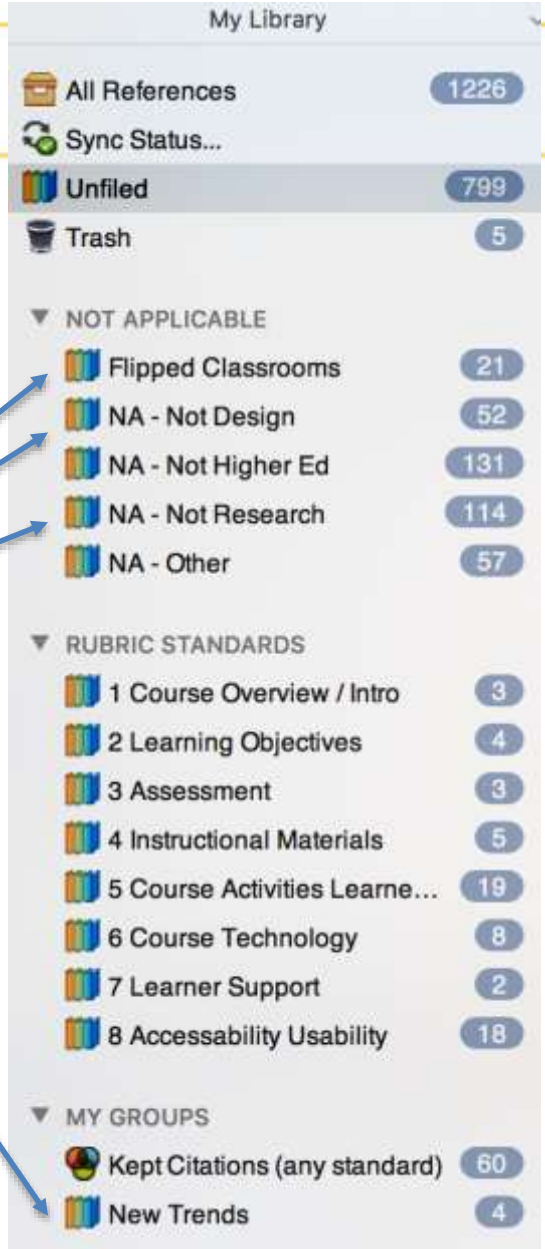

Trends?

Flipped Classroom

Social Media as Learning Tool

Accessibility

Single Institution

Few Multi-institutional Outcomes Based

International Attention

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Of Interest

- Greer, K., Hess, A., & Kraemer. (2016).The librarian leading the machine: Reassessment of library instruction methods. *College & Research Libraries,. 77*(3), 286-301. *[Student outcomes, faculty outcomes, online instruction, empirical study, implications for practice]* **Is the Computer Mightier than the Librarian?**
- Leahy, S. (2015). *Faculty and perceptions of video in higher education online courses.* Unpublished doctoral dissertation. Michigan State University, East Lasing , MI. [100 faculty – online classes, our types of video: instructor-created, third party, student-created, and synchronous video.]

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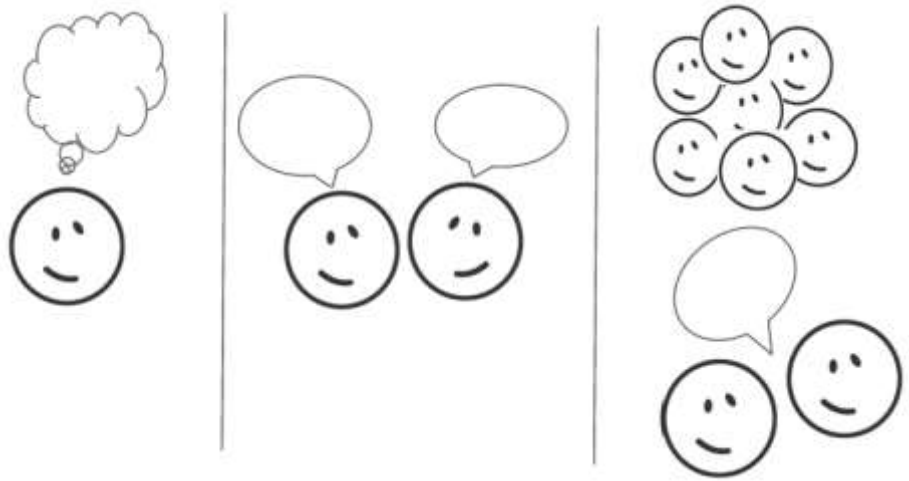
Online Instructor and Teaching Competencies

- How is this related to quality assurance and QM?
- Process: 1995 – 2016, 325 journal articles & conference proceedings
- Themes: Institutional context, Technologies, ID, Pedagogy, Assessment, Social presence, Discipline expertise
- Input into QM's Teaching Online Certificate (TOC)

Using This Information to Improve Online Learning

Points you can pass along to:

- Faculty
- Students
- Administration
- Staff



How and when would you provide the information?

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A national benchmark for online course design.

www.qualitymatters.org

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