# Graduate comprehensive exam

start something big

Final requirement for the degree of Master of Arts in English with an emphasis in Rhetoric and Technical Communication

Benjamin G. Burbank, B.A.



#### **Panel members**

- start something big
  - Benjamin Burbank, candidate
  - Teena Carnegie, Ph.D., mentor
  - Justin Young, Ed.D., committee member
  - Dan Tappan, Ph.D., committee member

## Housekeeping

- start something big
  - 10 minute presentation
  - Panel discussion
  - 10 minute presentation
  - Panel discussion
  - Sequestered discussion

# Got MOOC?: Getting the Most out of MOOCs for Technical Communication

start something big

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## **Outline**

- start something big
  - 1. Why are MOOCs important?
  - 2. What does the research expose?
  - 3. How can MOOCs prove useful in the meantime?
  - 4. Discussion

# Why are MOOCs important?

- Primary question:
  - What is the most effective use of MOOCs for technical communicators?
- Component questions:
  - What are the main differences between MOOCs?
  - What do the different MOOCs specialize in?
  - How do MOOCs compare with traditional education in terms of actual and perceived value?

# What does the research expose?

- start something big
  - Arguments against / for MOOCs
    - critic / proponent roles
    - academic / commercial roles
    - traditional pedagogy / connectivism division
    - brick-and-mortar / distributed differences
  - MOOC technology requires further development before established core structures emerge

# How can MOOCs prove useful in the meantime?

- start something big
  - Sorting platforms into academic/commercial and for profit/free groupings
    - academic pay MOOCs
    - commercial pay MOOCs
    - academic free MOOCs
    - NPO MOOCs

## **Discussion**

### References

- Baggaley, J. (2014). MOOC postscript. Distance Education, 35(1), 126-132. doi:10.1080/01587919.2013.876142
- Banerjee, A., & Duflo, E. (2014). (Dis)Organization and Success in an Economics MOOC. The American Economic Review, 104(5), 514-518. Retrieved from http://www.jstor.org.ezproxy.library.ewu.edu/stable/42920989
- Colbran, S., & Gilding, A. (2014). MOOCs and the Rise of Online Legal Education. Journal of Legal Education, 63(3), 405-428. Retrieved from http://www.jstor.org.ezproxy.library.ewu.edu/stable/42898387
- Crosslin, M., & Wakefield, J. (2016). What's Cooking in the MOOC Kitchen: Layered MOOCs. Techtrends: Linking Research & Practice To Improve Learning, 60(2), 98-101. doi:10.1007/s11528-016-0036-5
- Ehrlich, Heyward. (2013). Poe in Cyberspace: Poe MOOC Blog. The Edgar Allan Poe Review, 14(2), 237-243. doi:10.5325/edgallpoerev.14.2.0237
- de Freitas, S. I., Morgan, J., & Gibson, D. (2015). Will MOOCs transform learning and teaching in higher education? Engagement and course retention in online learning provision. British Journal Of Educational Technology, 46(3), 455-471. doi:10.1111/bjet.12268
- Manallack, D. T., & Yuriev, E. (2016). Ten Simple Rules for Developing a MOOC. Plos Computational Biology, 12(10), 1-4. doi:10.1371/journal.pcbi.1005061
- Marshall, S. (2014). Exploring the ethical implications of MOOCs. Distance Education, 35(2), 250-262. doi:10.1080/01587919.2014.917706

## References continued

- Massive open online course (n.d.). Retrieved April 21, 2017, from https://en.wikipedia.org/wiki/Massive\_open\_online\_course
- O'Connor, K. (2014). MOOCs, institutional policy and change dynamics in higher education. Higher Education, 68(5), 623-635. doi:10.1007/s10734-014-9735-z
- Park, Y., Jung, I., & Reeves, T. C. (2015). Learning from MOOCs: a qualitative case study from the learners' perspectives. Educational Media International, 52(2), 72-87. doi:10.1080/09523987.2015.1053286
- Rice, J. (2013). What I Learned in MOOC. College Composition and Communication, 64(4), 695-703. Retrieved from http://www.jstor.org.ezproxy.library.ewu.edu/stable/43490787
- Schmid, L., Manturuk, K., Simpkins, I., Goldwasser, M., & Whitfield, K. E. (2015). Fulfilling the promise: do MOOCs reach the educationally underserved?. Educational Media International, 52(2), 116-128. doi:10.1080/09523987.2015.1053288
- Semenova, T., & Rudakova, L. (2016). Barriers to Taking Massive Open Online Courses (MOOCs). Russian Education & Society, 58(3), 228-245. doi:10.1080/10609393.2016.1242992
- Sharrock, G. (2015). Making sense of the MOOCs debate. Journal Of Higher Education Policy & Management, 37(5), 597-609. doi:10.1080/1360080X.2015.1079399
- Snyder, M. (2012). State of the profession: much ado about MOOCs. American Association of University Professors, 98(6), 55.
- The Open Source Definition. (n.d.). Retrieved April 14, 2017, from https://opensource.org/docs/osd

# Re-examining "Engagement" in Discussions about Gamification

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### **Outline**

- Is gamification an effective technique in education/training?
- 2. Development of gamification
- 3. Problematic usage of "engagement"
- 4. Suggestions for future research
- 5. Discussion

# Is gamification an effective technique in education/training?

- At first glance, yes
  - researchers all agree
- But it's complicated
  - researchers' definitions are unclear

## **Development of gamification**

- start something big
  - Gaming as a growing trend
  - Social desire for increased interactions
  - Gamification enters education
  - Researchers use gamification to increase engagement
  - Researchers suggest that engagement is increased
  - No shared definition of engagement

# Problematic usage of "engagement"

- "Engagement" with entirely positive connotations acts as a god-term
- "Engagement" containing both measurable and immeasurable aspects acts as a confused notion
- "Engagement" used as a desired outcome or an indicator should be thought of as a performance metric

# Suggestions for future research

- start something big
  - Clarify definitions of engagement
    - god-terms
    - confused notions
  - Define clear performance metrics
    - quantitative
    - qualitative

## **Discussion**

### References

- Alcivar, I., & Abad, A. G. (2016). Design and evaluation of a gamified system for ERP training. Computers in Human Behavior, 58, 109-118. doi:10.1016/j.chb.2015.12.018
- Burke, K. (1956). Symbol and association. The Hudson Review, 9(2), 212-225. doi:10.2307/3847364
- Chang, J. & Wei, H. (2016). Exploring engaging gamification mechanics in massive online open courses. *Journal of Educational Technology & Society, 19*(2), 177-203. Retrieved from http://www.jstor.org/stable/jeductechsoci.19.2.177
- Chou, Y. (2014, February 10). *Yu-kai Chou: Gamification to improve our world* [Video file]. Retrieved from http://www.tedxlausanne.com/talk/gamification-improve-our-world
- De-Marcos, L., Garcia-Lopez, E., & Garcia-Cabot, A. (2016). On the effectiveness of game-like and social approaches in learning: Comparing educational gaming, gamification & social networking. *Computers & Education*, *95*, 99-113. doi:10.1016/j.compedu.2015.12.008
- Dicheva, D., Dichev, C., Agre, G., & Angelova, G. (2015). Gamification in Education: A Systematic Mapping Study. *Journal of Educational Technology & Society, 18*(3), 75-88. Retrieved from http://www.jstor.org/stable/jeductechsoci.18.3.75
- Entertainment Software Association (2015, April). 2015 sales, demographic and usage data: Essential facts about the computer and video game industry [PDF]. Retrieved May 02, 2017, from http://www.theesa.com/wp-content/uploads/2015/04/ESA-Essential-Facts-2015.pdf

### References continued

- Fisher, Diane J; Beedle, Jon; Rouse, Sharon E. (2014). Gamification: A study of business teacher educators' knowledge of, attitudes toward, and experiences with the gamification of activities in the classroom. *The Journal of Research in Business Education*, 56(1),1-16
- Kingsley, T. L., & Grabner-Hagen, M. M. (2015). Gamification. *Journal of Adolescent & Adult Literacy*, 59(1), 51-61. doi:10.1002/jaal.426
- Kuo, M., & Chuang, T. (2016). How gamification motivates visits and engagement for online academic dissemination – ?An empirical study. *Computers in Human Behavior*, 55, 16-27. doi:10.1016/j.chb.2015.08.025
- Landers, R. N., & Armstrong, M. B. (2017). Enhancing instructional outcomes with gamification: An empirical test of the Technology-Enhanced Training Effectiveness Model. *Computers in Human Behavior, 71*, 499-507. doi:10.1016/j.chb.2015.07.031
- Mathrani, A., Christian, S., & Ponder-Sutton, A. (2016). PlayIT: Game Based Learning Approach
  for Teaching Programming Concepts. *Journal of Educational Technology & Society, 19*(2), 5-17.
  Retrieved from http://www.jstor.org/stable/jeductechsoci.19.2.5
- Mekler, E. D., Brühlmann, F., Tuch, A. N., & Opwis, K. (2017). Towards understanding the effects of individual gamification elements on intrinsic motivation and performance. *Computers in Human Behavior*, 71, 525-534. doi:10.1016/j.chb.2015.08.048
- Nicholls, A. (2008). What do we know and when do we know it? *Journal of Computer Aided Molecular Design*, 22(3-4), 239-55. doi:http://dx.doi.org.ezproxy.library.ewu.edu/10.1007/s10822-008-9170-2

### References continued

- Olson, S. M. (2008, 10). The best ways to define and implement performance metrics. *Contract Management, 48*, 52-59,61. Retrieved from https://ezproxy.library.ewu.edu/login?url=http://search.proquest.com.ezproxy.library.ewu.edu/docview/196311363?accountid=7305
- Perelman, C. (1979). The use and abuse of confused notions. *ETC: A Review of General Semantics*, 36(4), 313-324. Retrieved from http://www.jstor.org/stable/42575432
- Rekhi, R., & Lane, N. (2012). Qualitative metrics in science policy: What can't be counted, counts.
   *Issues in Science and Technology*, 29(1), 21-24. Retrieved from
   https://ezproxy.library.ewu.edu/login?url=http://search.proquest.com.ezproxy.library.ewu.edu/docvi
   ew/1284605739?accountid=7305
- Seixas, L. D., Gomes, A. S., & Filho, I. J. (2016). Effectiveness of gamification in the engagement of students. *Computers in Human Behavior, 58*, 48-63. doi:10.1016/j.chb.2015.11.021
- TEDx. (2015, January 12). *Gamification at work* | *Janaki Kumar* | *TEDxGraz* [Video file]. Retrieved from https://www.youtube.com/watch?v=6wk4dkY-rV0
- Vieyra, R., Edwards, T., Rowe, E., & Asbell-Clarke, J. (2015). Playing with science: Using electronic games to foster inquiry. *The Science Teacher*, 82(5), 51-59. Retrieved from http://www.jstor.org/stable/43683260
- Zichermann, G. (2011, June). *Gabe Zichermann: How games make kids smarter* [Video file]. Retrieved from https://www.ted.com/talks/gabe\_zichermann\_how\_games\_make\_kids\_smarter