

MOOCS & the Granting of College Credit

Presented by

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AGENDA

- ❧ Introduction
- ❧ What are MOOCs
- ❧ How are they used
- ❧ Early MOOCs – Recent MOOCs
- ❧ Granting of Credit for MOOCs
- ❧ Crown's MOOC

What is a MOOC

- ❧ Massive Open Online Course
- ❧ Online Education Course on steroids
- ❧ Can accommodate large numbers of students at once
- ❧ Typically free, some charge a fee for certification
- ❧ Instructor acts as a facilitator



Seated Classes vs MOOCs

Seated Classes

- ❧ Physical Classroom
- ❧ Instructor knowledge delivery
- ❧ Instructor led
- ❧ Purchased textbooks
- ❧ For credit
- ❧ Class size – less than 1k
- ❧ Tuition charged

MOOCs

- ❧ Online
- ❧ Student knowledge generation*
- ❧ Instructor – facilitated
- ❧ Open access materials *
- ❧ Typically no credit*
- ❧ Class size 100 to 100,000
- ❧ Typically free*
- * Changing with the new versions

Teaching Strategies

- ❧ Discussion board posts – peer to peer interaction
- ❧ Videos of lectures
- ❧ PowerPoint slides
- ❧ Readings
- ❧ Quizzes
- ❧ Group projects
- ❧ Final Exam



How are MOOCs used?

- ❧ For personal enrichment
- ❧ For corporate training
- ❧ To supplement seated courses
 - Provides a hybrid experience
- ❧ For a marketing opportunity
- ❧ For no-cost learning opportunity for older students to try out college.
- ❧ Testing new teaching methods
- ❧ Remedial education

Learning Challenges

- ❧ Students must be self-directed learners
- ❧ Students without prerequisite skills or computer instruction struggle
- ❧ Little if any individualized instructor attention
- ❧ Lack of emphasis on individual learner needs – though this changing

Major MOOC Providers

- ❖ Udacity (for profit) founded by Sebastian Thrun (former Stanford Professor).
 - <https://www.udacity.com/>
- ❖ Coursera – started as an education coop partnership with Stanford, U of Pa., U of MI., & Princeton. (Now includes more colleges.)
 - <https://www.coursera.org/courses>

Major MOOC Providers

❁ edX - Harvard & MIT plus many others (Berkeley, Wellesley, Dartmouth)

○ <https://www.edx.org/>

❁ CourseSites by BlackBoard - allows an instructor to set up five free MOOC courses. Over 12,500 colleges using this.

○ <https://www.coursesites.com/webapps/Bb-sites-course-creation-BBLEARN/pages/index.html>

Early MOOCs: 2009-2012

- ❧ Based on Constructivist philosophy with emphasis on peer to peer learning
- ❧ No pre-reqs to take a class
- ❧ Free
- ❧ Low level of faculty interaction
- ❧ Designed for the life-long learning market
- ❧ Majority were enrolled in Coursera's MOOCs
 - 65% of all students enrolled in Coursera's MOOCs – were outside the US.

Recent MOOCs: 2013 -

- ❧ MOOCs that are equivalent to courses in a university's own degree programs
- ❧ Hybrid “hMOOCs” used along side seated courses
- ❧ “xMOOCs”- utilize the conventional lecture model and delivered through an LMS (e.g. Blackboard)
- ❧ College credit and certifications available

Recent MOOCs: 2013 -

- ❧ Some charge fees
- ❧ Identity authentication
- ❧ Test proctoring
- ❧ Full MOOC Degree Programs – (e.g. Georgia Tech MSCS)

MOOC Course Topics

- ❧ Art, Language, Literature, Music, Film
- ❧ Computer Science
- ❧ Business, Marketing, Economics, Finance, Management
- ❧ Engineering
- ❧ Math
- ❧ Medicine and Pharmacology,
- ❧ Personal and Professional Development
- ❧ Social Sciences
- ❧ Science (Biology, Chemistry, Physics, Physical)

Challenges with MOOCs

- ❖ High dropout rates (as much as 90%) for non-hybrid models.
- ❖ Financial sustainability (most are funded by grants or donations)
- ❖ Accessibility
- ❖ Quality standards and assessments
- ❖ Plagiarism
- ❖ Copyright and legal issues - many use open access materials.
- ❖ Many rely on open access materials.
 - Textbook publishers – may be looking at new ways to provide materials for MOOCs at fee.

Credit for MOOCs

- ❖ Majority of MOOCs are not granted college credit.
- ❖ California State U and Antioch University are offering MOOCs for credit
 - Partnering with Udacity and edX, and Coursera

Credit for MOOCs

- ❖ ACE has reviewed and recommended the granting of credit for some MOOCs.
 - Not all colleges accept ACE recommendations.
 - Some colleges require an additional assessment
- ❖ Prior Learning Assessment - (credit for prior learning) - colleges validate learning through exam, course review, and portfolio review.

Credit For MOOCS

- ❧ edX - Allows students to take final exam at a physical testing center.
- ❧ Coursera - Offers special certificates for a fee – authentication of identity and exam proctoring.
- ❧ Reciprocal agreements between colleges who offer MOOCS.
- ❧ It is up to each college to determine transferability of MOOCs.

Crown College



Crown College

❧ Small Private Christian College

- Comprehensive

- Professional and Liberal Arts Majors

❧ Located: Twin Cities Western Suburbs on 250 acres.

❧ Founded 1916

❧ Enrollment: 1280 students

❧ Accredited by the Higher Learning Commission

Crown College

❧ Two Schools:

- School of Arts and Sciences (residential)
- School of Online Studies & Graduate School

❧ Adult Degree Completion Program - 1993

❧ Online Degree Program – 2001

- Current 14 fully online Degrees

Crown College MOOC

MOOC Initiative Vision: To serve the Christian community by promoting biblical literacy and to expand the influence of Crown Online.



Why provide a MOOC?

- ❧ To provide educational opportunities to those beyond the Crown College Campus.
- ❧ To provide learning opportunities that can be used by churches and their congregations to further their Biblical knowledge.
- ❧ To provide an opportunity for students to try an online course with minimal cost.
- ❧ As a marketing opportunity for Crown College

New Testament MOOC

- ❧ First offered July 2013; again in spring 2014
- ❧ Adapted teaching strategies to fit the target population and goals of the MOOC.
- ❧ Goal of 500 participants being led by 10 volunteer instructors.
- ❧ Integrated a variety of collaborative learning activities.
- ❧ Integrated learning mastery tests to accommodate the course size
- ❧ Utilized a **final proficiency exam.**

New Testament MOOC

- ❧ Option for a proctored Proficiency Exam (fee)
- ❧ Students who scored 80% on the exam and who enrolled at Crown College subsequent to the MOOC were granted proficiency credit.
- ❧ Students have one year from the time the proficiency test was taken to enroll at Crown College in order to receive proficiency credit.

Welcome Survey Data

- 🌀 July 2013
- 🌀 Week 1 Participants: 165 of 327
- 🌀 50.5% Response Rate

Age (n = 165 participants)

- < 18 (.006%; n = 1)
- **18-29 (19.4%; n = 32)**
- 30-44 (26.6%; n = 44)
- **45-60 (36.4%; n = 60)**
- >60 (13.9%; n = 23)

Welcome Survey Data

How did you learn about the MOOC? (n = 165)

- **Social Media (20.6 %; n = 34)**
- Friend (19.4%; n = 32)
- **Church / Denomination (39.4 %; n = 65)**
- Internet (4.2 %; n = 7)
- Denominational Convention (3.6%; n = 6)
- Other (10.9%; n = 18)

Welcome Survey Data

Level of Education Completed?

- **HS/GED (23.6 %; n = 39)**
- Associate Degree (13.3%; n = 22)
- **Bachelor's Degree (32.7 %; n = 54)**
- Graduate Degree (19.4 %; n = 32)
- Other (8.5%; n=14)

Welcome Survey Data

Are you planning to take the proficiency exam?

- **Yes (37.5%; n = 62)**
- **No (23.8%; n = 39)**
- **Maybe (36.3%; n = 60)**

Are you planning to pursue further education?

- **Yes (25.5%; n = 42)**
- **No (48.5%; n = 80)**
- **Maybe (23.6%; n = 39)**

Post-Course Survey

Summer 2013

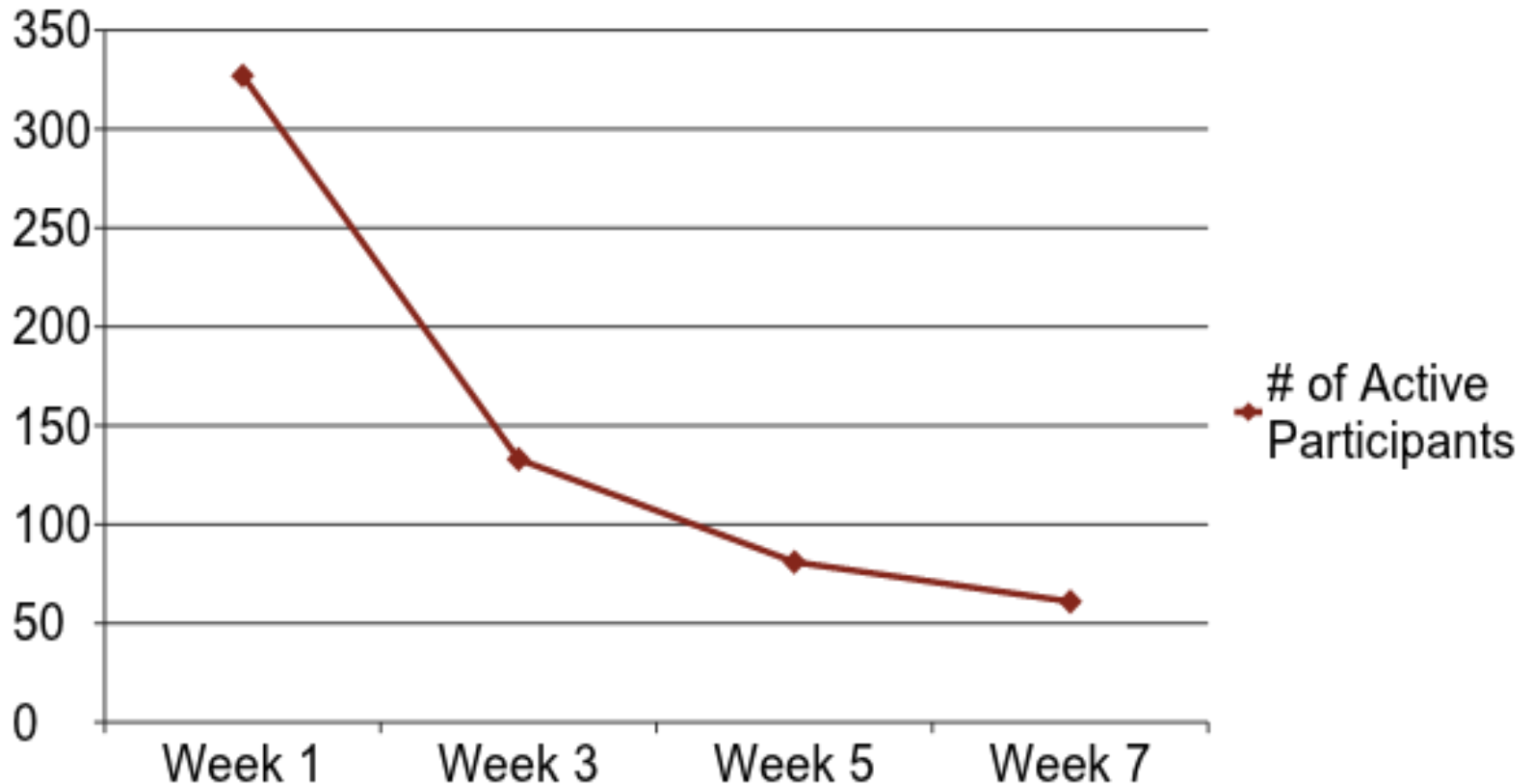
- ☛ Week 7 Participants 34 (of 61)
 - (55.7% Response Rate)

Age (n = 34)

- <18 (2.9%; n = 1)
- **18-29 (5.8%; n = 2)**
- 30-44 (32.4%; n = 11)
- **45-60 (44.1%; n = 15)**
- >60 (11.8; n = 4)

Note: The drop in participation among **18-29** year olds.

Summer 2013 MOOC Data



Groups: 9 7 4 2

Summer 2013 MOOC Data

- ❧ Enrollment to completion: **11%**
- ❧ Participation to completion: **19%**
 - Created a flexible group structure to account for attrition.
- ❧ Completed the proficiency exam: **13**
- ❧ Matriculated: **6**

Post-Course Survey

☞ Summer 2013 (N=34)

Are you planning to pursue a degree?

- Applied to Crown Bachelor's Degree (14.7%; n = 5)
- Applied to a Crown Graduate Degree (8.8%; n = 3)
- Investigating Educational Opportunities (11.8%; n = 4)
- **No (41.2%; n = 14)**
- **Maybe (23.5%; n = 8)**

Spring 2014 MOOC Data

Understanding the New Testament offered again.

- ❧ Pre-enrolled for the course: **247**
- ❧ Enrollment to completion: **8%**
- ❧ Participation to completion: **17%**
- ❧ Completed the proficiency exam: **10**
- ❧ Matriculated: **4**

Enrollment Process

- ❧ Self-enroll on MOOC site (CourseSites)
- ❧ Minimal impact on Crown IT
- ❧ Positive feedback from enrollment team
- ❧ Alumni Partnership
 - Unintended Consequence - deficient graduates wanted to take the MOOC to finish requirements.

Proficiency Exam

- ❧ Preparing the Exam
 - (utilized content expert)
- ❧ Communication with students
- ❧ Proficiency Exam (1 week window)
- ❧ Proctoring Service (Remote Proctor Now - \$15 Fee)
- ❧ Documented results to inform Registrar

Proficiency Exam

- ❧ Documentation of exam results is held in an electronic file in document image system.
- ❧ Results posted as proficiency credit on the transcript upon completion of first regular Crown College Course.
- ❧ Shows as “History of the New Testament” – grade of “PR” for 3 semester credits.

Proficiency Credit Usage

- ❧ Toward a Crown Degree (43.5%; n = 10)
- ❧ Unused or Unknown (43.5%; n = 10)
- ❧ Also CEU (Continuing Education) (13%; n = 3)
 - Association for Christian Schools International (ACSI)
 - Biblical studies requirement of the denomination

Future MOOC Plans

- ❧ January 2015 Course - Understanding the Old Testament
- ❧ Established a fund to receive donations for future MOOCs with the Advancement Office
- ❧ Goal of writing a grant proposal by the summer of 2015
- ❧ Plan to offer a different course in July 2015

Questions?



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