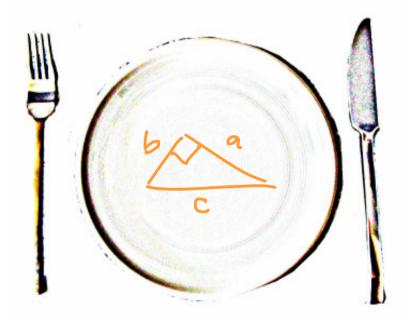
ONLINE UNIVERSITIES

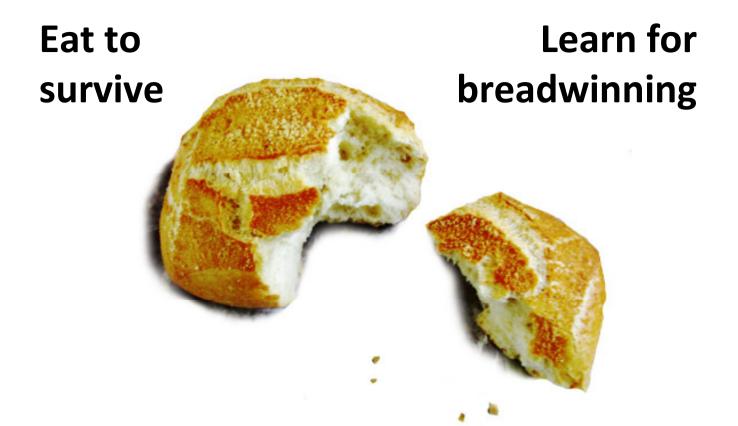
Food for thought or an intellectual malnutrition epidemic?

Jörn Loviscach & Sebastian Wernicke

Food \cein Education



.



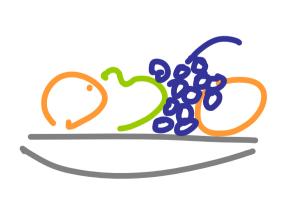
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Ingest vitamins

Grow your mind



Unequal Access

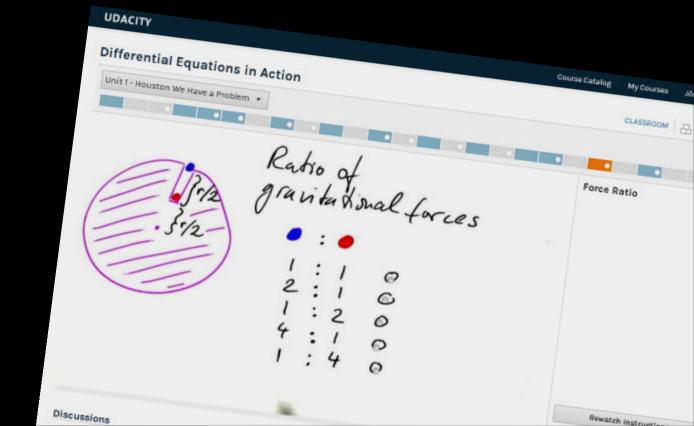


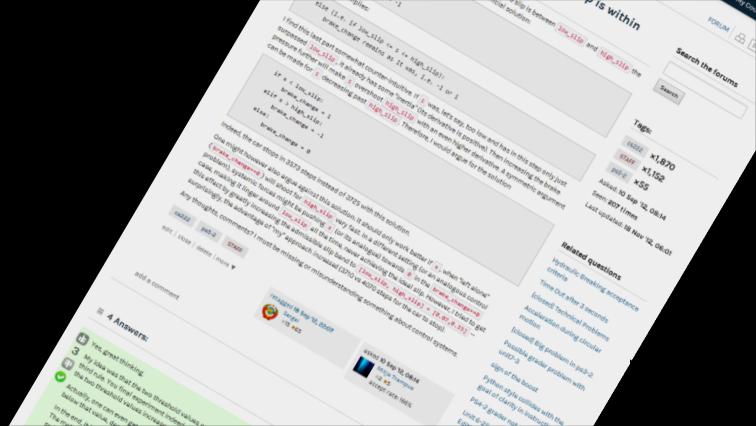


Massive "Open" **Online** Course

xMOOC

or for this course.

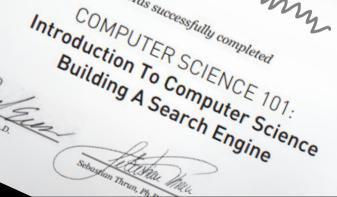






am ann ann Has successfully completed

COMPUTER SCIENCE 101:



















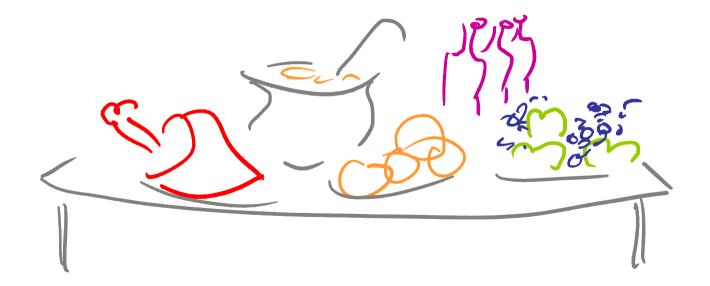






Four Course Dinner

Study Program



Snack MOOC



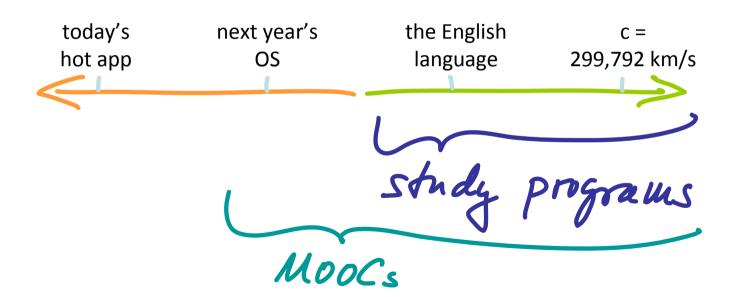
Light-weight part-time study

- 10 % aged 60+
- 38 % have an academic degree
 - 4 % are PhDs
- 27 % have a managerial function
- 26 % have less than 5y of prof. experience

http://www.hpi.uni-potsdam.de/presse/mitteilung/beitrag/hpi-umfrage -nutzer-offener-online-kurse-von-weiterbildung-beeindruckt.html

BEST BEFORE 31 DEC 2013

Knowledge is Perishable

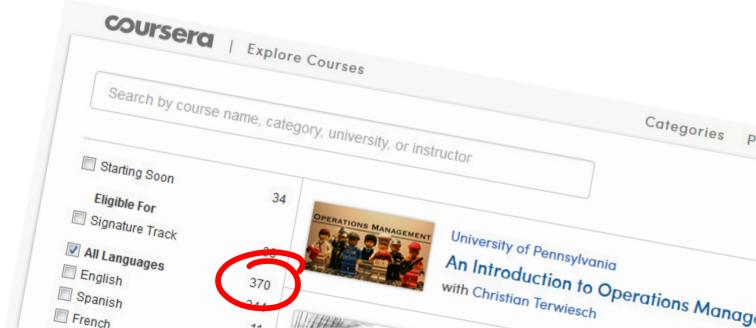




[...] Company may devote part of its Services to Content provided by universities outside of North America, provided that such universities are limited to the generally regarded "top five" universities within any country [...]

Contract between Coursera Inc. and the University of Michigan http://chronicle.com/article/Document-Examine-the-U-of/133063/

Mass Production



For this reason, we are temporarily suspending the "Fundamentals of Online Education: Planning and Application" course in order to make improvements.



https://www.edx.org/courses/HarvardX/ER22x/2013_Spring/info

Journals want this!

- The style guidelines for many journals explicitly instruct authors to write in the active voice. For example, Science magazine advises:
- "Use active voice when suitable, particularly when necessary for correct syntax (e.g., "To address this possibility, we constructed a λZap library ...)."
- (<u>http://www.sciencemag.org/site/feature/contribinfo/prep/res/style.xhtml</u>)

But the audience will notice?!



Yes, and everybody will abandon junk food, too?!

- Shallow recipes instead of understanding
- No equations; little quantitative data
- Glitzy graphics instead of clear explanations

Free Access for Everybody?



)2013 Google

Indigestive Online Education



- English?
- Broadband access?

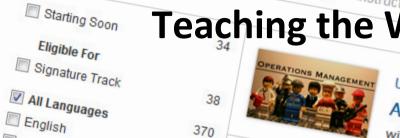


- Time to invest?
- Mindset?



realise, calegory, university, or instructor

Teaching the World



University of Pennsylvania

An Introduction to Operations Manage with Christian Terwiesch



Emory University Citizenship and U.S. Immigration with Polly J. Price

All Categories Arts Biology & Life Sciences Business & Management

CS: Artificial Intelligence

Spanish French Chinese

Italian

Chemistry

CS: Software 5

370 11 42 32

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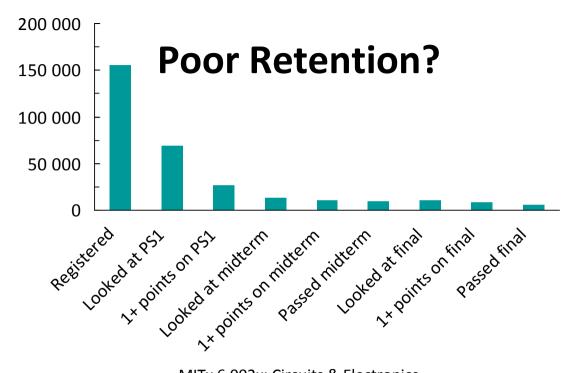
21

University of Pennsylvania

Design: Creation of Artifacts in Society with Karl T. Ulrich

A MOOC on emergency medicine or on agriculture delivered in a dozen African languages and made available offline?

For unto every one that hath shall be given, and he shall have abundance: but from him that hath not shall be taken away even that which he hath.



MITx 6.002x: Circuits & Electronics
Data from http://tech.mit.edu/V132/PDF/N34.pdf

2x: Electricity and N **REGISTER FOR 8.02X**

SIGN UP FOR edX

You must Sign Up or Log In to enroll.

E-mail*

 $eg.\ your name @domain.com$

Password*

Public Username*

Open vs. "Open"

You may not take any Online Course offered by Coursera or use any Statement of Accomplishment as part of any tuition-based or for-credit certification or program for any college, university, or other academic institution [...].

Open vs. "Open"

MIT and Harvard aim to make much of the edX course content available under more open license terms that will help create a vibrant ecosystem [...].

Open vs. "Open"

Udacity hereby grants you a license in and to the Educational Content under the terms of the Creative Commons Attribution-NonCommercial-NoDerivs 3.0 License [...].

http://blog.udacity.com/2013/01/sebastian-thrun-udacity-announces-for.html

https://www.edx.org/press/gates-foundation-announcement

- snip ana

also ha plore this learles

lay Udacity is thrilled to announce a partnership with San Jose State University

MICHCV I 200

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* this public/private initiative, community colleges Massachusetts G +form, connecting students with leading other dignitarie e teaching methods have the potential unity college students learn, both in and -- Agarwal, president of edX. "Our and with other

hosted by edX, learning initiat University and 19. EdX annor community c Hill and Mass bringing an i model to the

Left to Righ

Tilling the Field

Blend Online and Offline

Thou shalt not leave the learner alone.



Let the computer do what it does best.



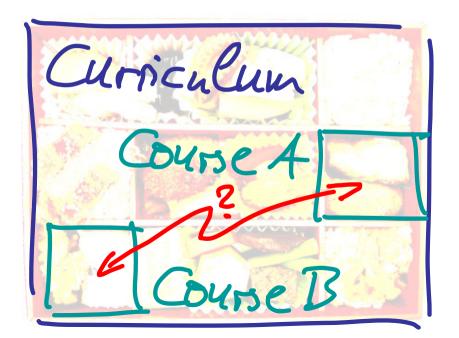
Let a human instructor do what he or she does best.

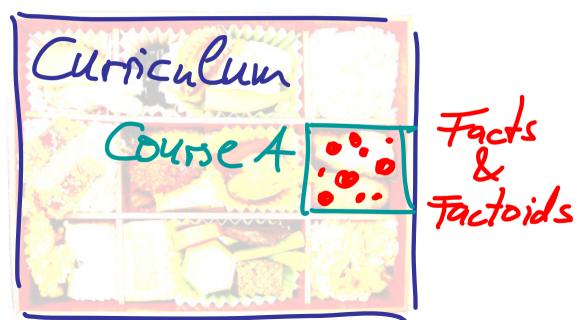
Rethink Courses

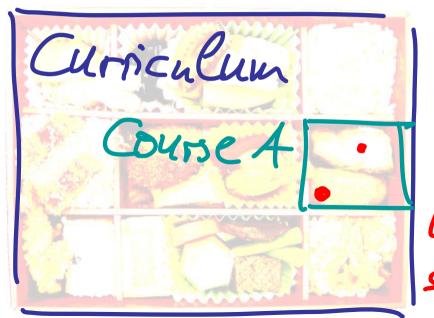
Videotaped lectures >> KSVs A quiz every 20 minutes \rightarrow A quiz every minute Too hard, too simple > Challenge, achievement Shallow recipes True mastery Encyclopedia -> Story



30







Whatsurvives



Are we "optimizing" on the wrong end?

www.j3L7h.de







