

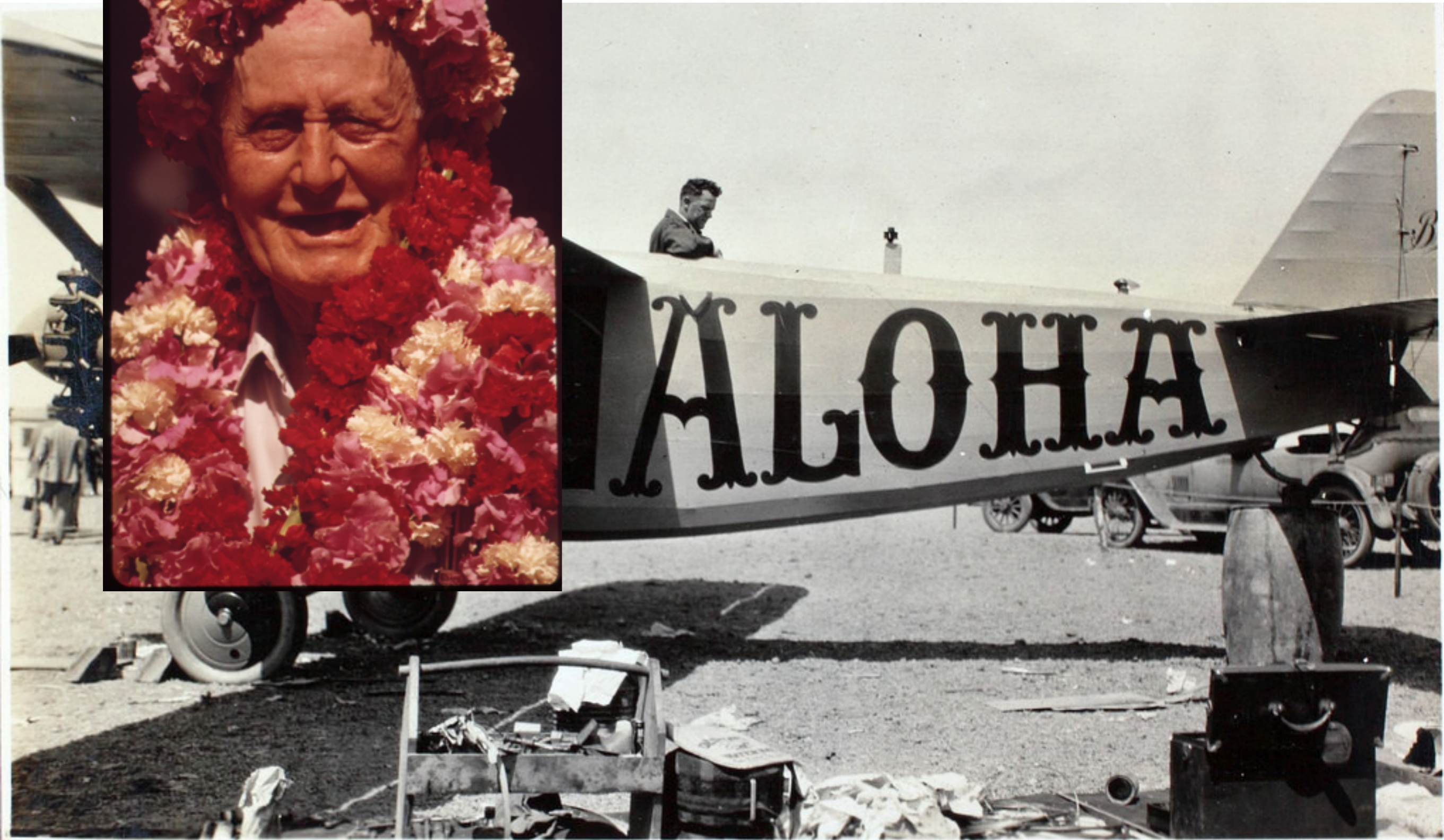


The Distributed Teacher

Jon Dron
TCC 2016

jond@athabascau.ca
<http://jondron.org>
@jondron





How many teachers are there in this picture?



How many teachers are there in this picture?



Teaching is *always*
distributed



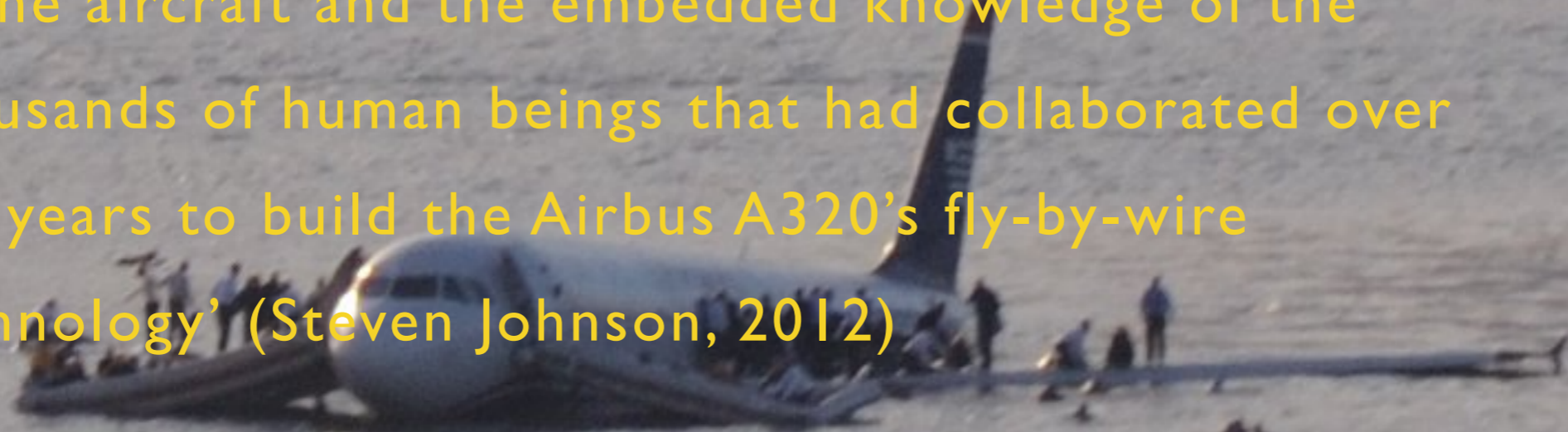
Timetables teach too

Tue	29 May	9:00	W2**	1hr30m	
Tues	29 May	9:30	W306	3 Hrs	Baib.4.
Tues	29 May	9:30	W502	3 Hrs	Acca.1
Tue	29 May	9:30	W507	2hrs	BEng/MEng CIVIL ENGI
Tue	29 May	9:30	W509	2hrs	BEng/MEng CIVIL ENGI
Tue	29 May	9:30	W623	2 hrs	PCS
Tues	29 May	10:00	W303	2 hrs	INAM
Tues	29 May	13:00	W303	1 hr	INAM
Tue	29 May	14:00	W306	2 hrs	
Tues	29 May	14:00	W507	2 Hrs	Baba-Hnd.1
Tue	29 May	14:00	W509	2hrs	BEng/MEng CIVIL ENGI
Tue	29 May	15:00	W303	2 hrs	
Tues	29 May	15:00	W623	3hrs+	M Pharm

* = some students may take extra time (15 mi

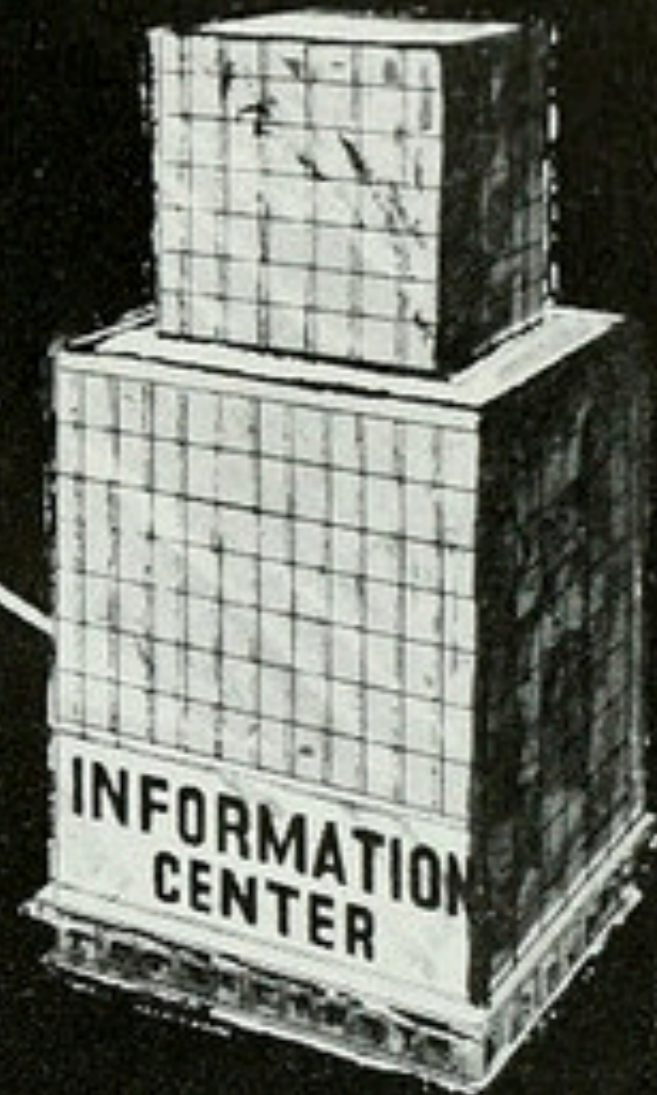
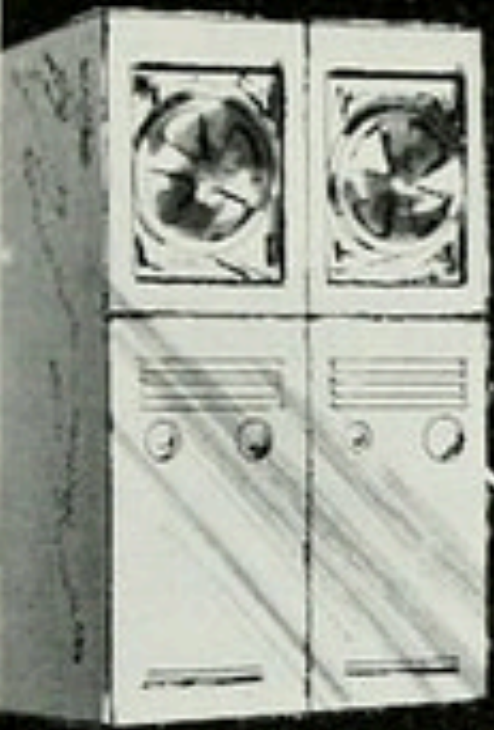
US Airways Flight 1549

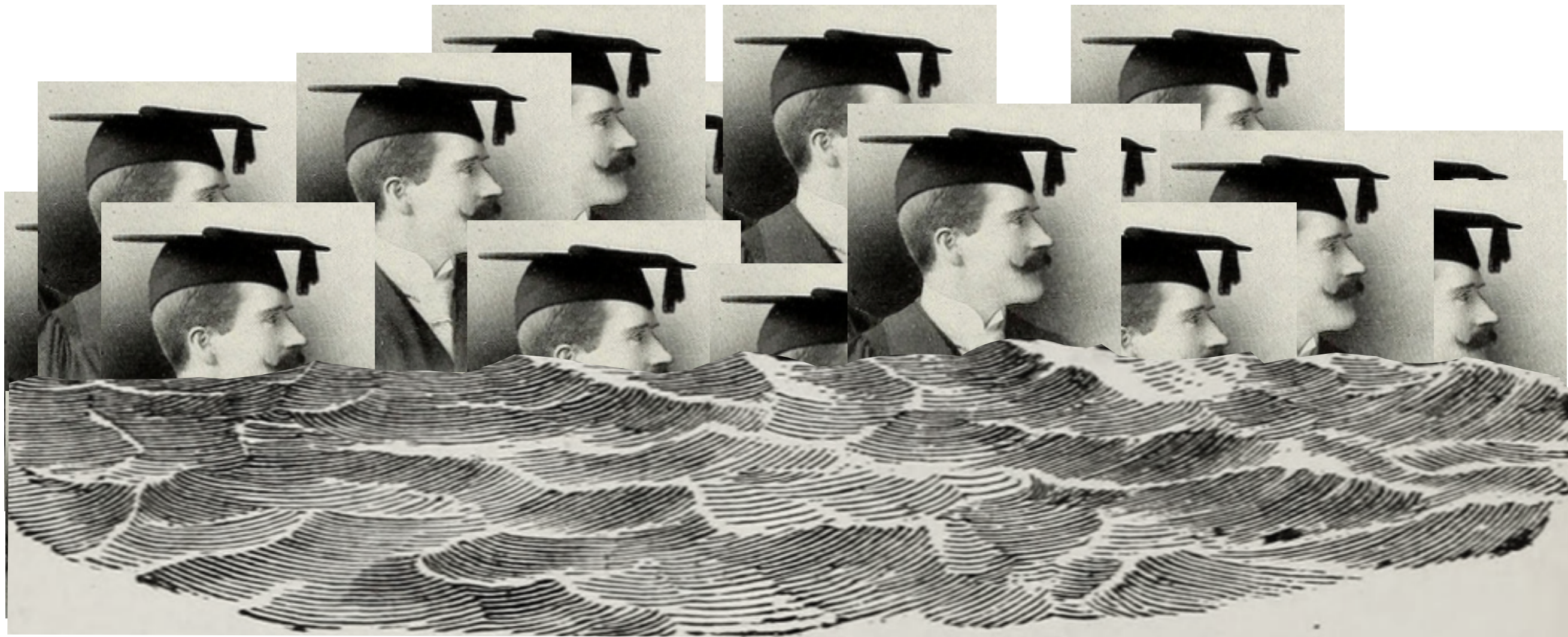
‘a kind of duet between a single human being at the helm of the aircraft and the embedded knowledge of the thousands of human beings that had collaborated over the years to build the Airbus A320’s fly-by-wire technology’ (Steven Johnson, 2012)



learners buildings librarians
schools authors sys admins universities
buttons editors designers
timetables legislators playgrounds rules
TVs books doorknobs lecture halls
instructional designers desks artists
cooks directors postal workers researchers
The teaching gestalt pens
tweets games interfaces
committee structures hashtags technicians LMSs
architects Wikipedia editors production staff
actors computers
chairs indexes photographers cleaners
bloggers programmers radios governments
exam boards films **teachers**
clothing designers

Online learning is
super-distributed





Online, we are swimming
in a sea of teachers

What's the first thing you
do when you want to
learn something?

me too

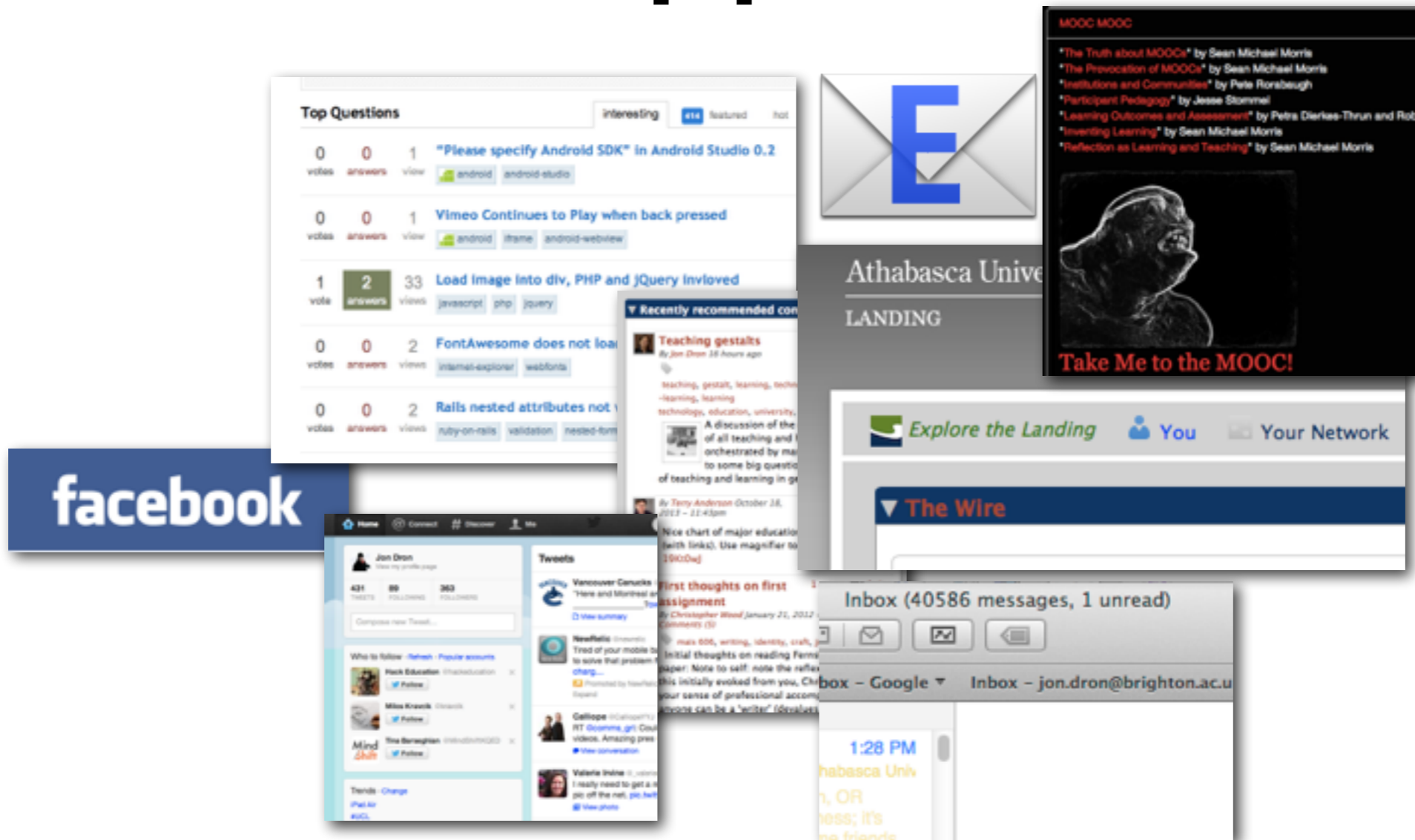


etc

Distributed content

The image is a collage of digital content. On the left, there is a vertical list of four YouTube video thumbnails with titles: "An Open Letter to Educators", "Athabasca Landing", "Videochat tool - Overview", and a fourth partially visible one. In the center, there is a screenshot of a personal website for "Jon Dron" at Athabasca University, showing his contact information and a list of articles. To the right, there is a screenshot of a Facebook page with several posts, including one about "Existentialism in Literature and Film" and another about "The New Million Dollar Starter Home". At the bottom, there is a screenshot of a Wikipedia article titled "Stigmergy", showing the article's title, a table of contents, and the beginning of the text. The Wikipedia article text includes: "Stigmergy is a mechanism... subsequent actions tend to... Stigmergy is a form of self-... simple agents, who lack any...".

Distributed support



Distributed accreditation

mozilla OpenBadges

TIN CAN API
Realized by Rustici Software

Student Submissions

Fifty Suits of Grey
Autobiography of a cartoonist in despair
Answering "What do you do for your idea book?" Higgins
Fifty Suits of Grey
Liam Higgins Saunders. I work as a cartoonist and illustrator, producing strips, features and news cartoons for many publications,....
[More submissions like this at Book Cover for Your Autobiography >](#)

One Slow Walk - On the (com)plaints of an African Queue
I queued. Voluntarily. At The Department of Manpower! The dreaded DOM queues held me for just a while. Queues get a...
[More submissions like this at Observation Lab >](#)

Skills & Expertise
Most endorsed for...

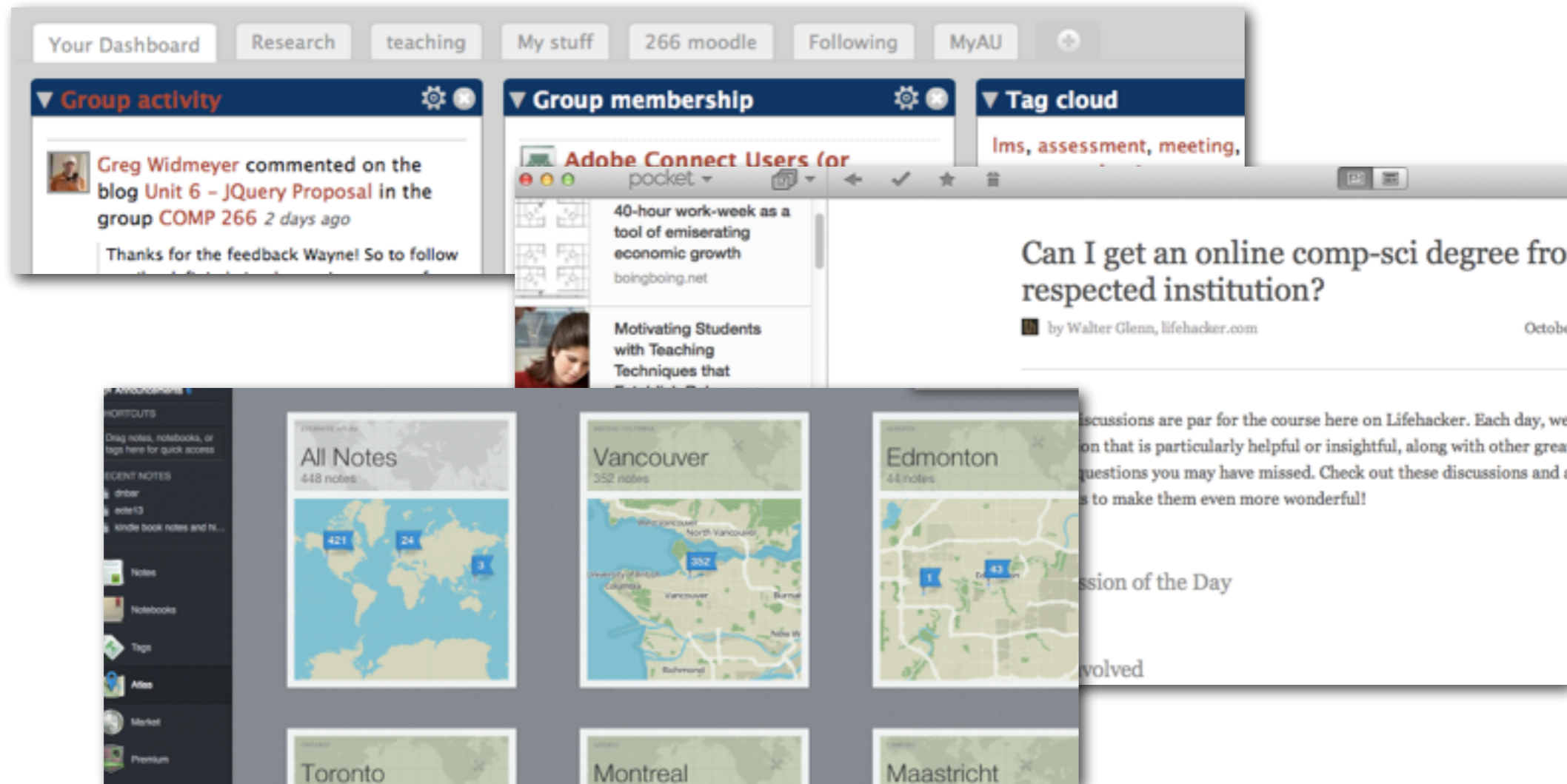
57	E-Learning
47	Distance Learning
19	Moodle
18	Educational Technology
15	Lecturing
13	University Teaching
9	Teaching
8	Higher Education

BADGES
OpenEd Researcher

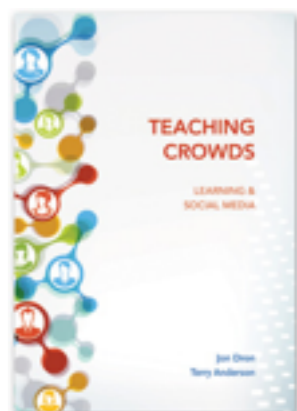
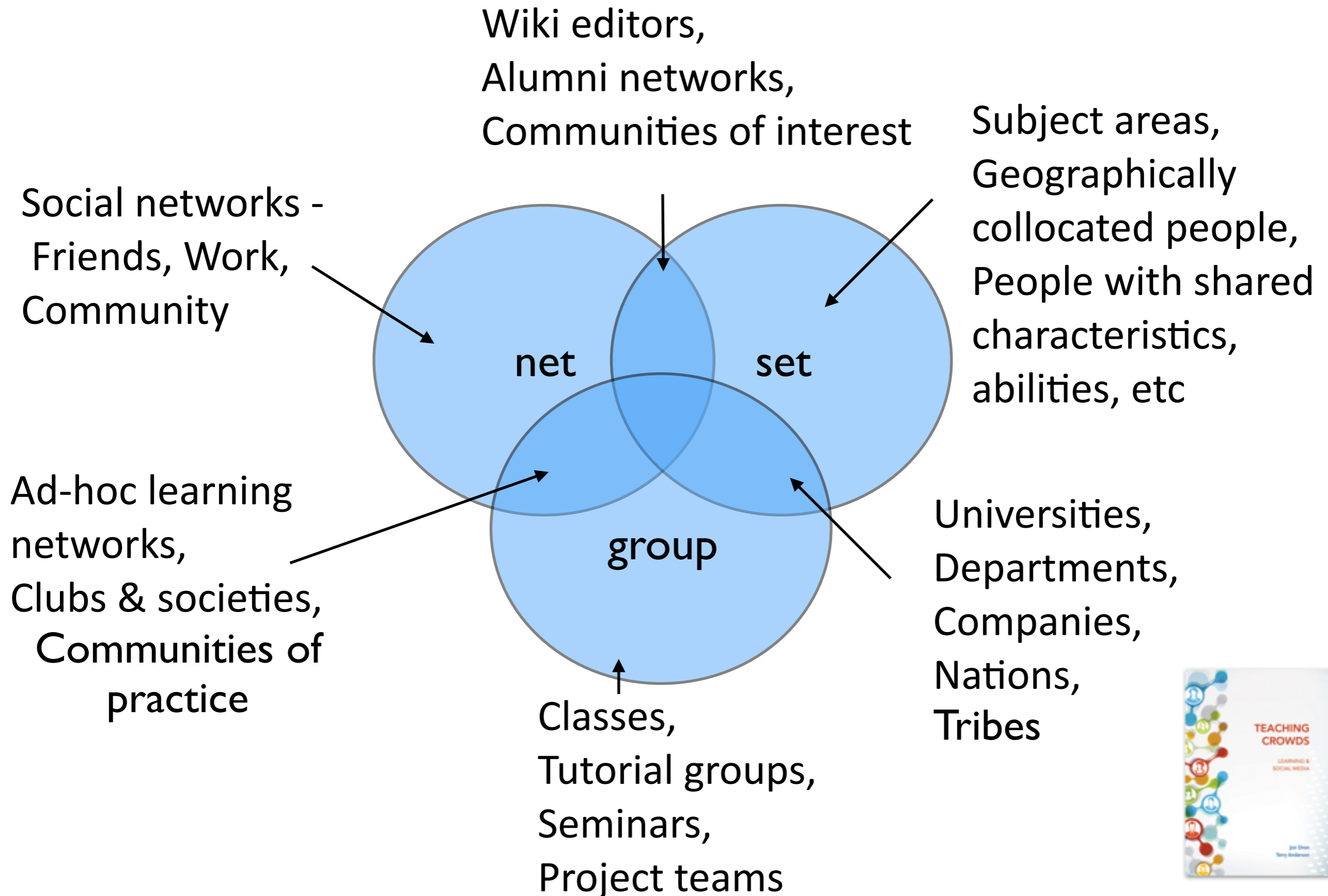
Athabasca University E-LAB PORTFOLIO

WESTERN GOVERNORS UNIVERSITY
ONLINE. ACCELERATED. AFFORDABLE. ACCREDITED.

Personal sense-making



Social forms for online learning





Course categories

- Undergraduate (66)**
- Graduate (2)**
 - Winter 2015 (10)
 - Fall 2014 (12)
 - Individualized Study - Graduate Courses (3)
 - Spring 2014 (8)
- Undergraduate - Archived Courses (29)**
- Graduate - Archived Courses**
 - Spring 2012 (1)
 - Winter 2014 (10)
 - Fall 2013 (10)
 - Winter 2013 (12)
 - Spring 2013 (10)
 - Fall 2012 (11)



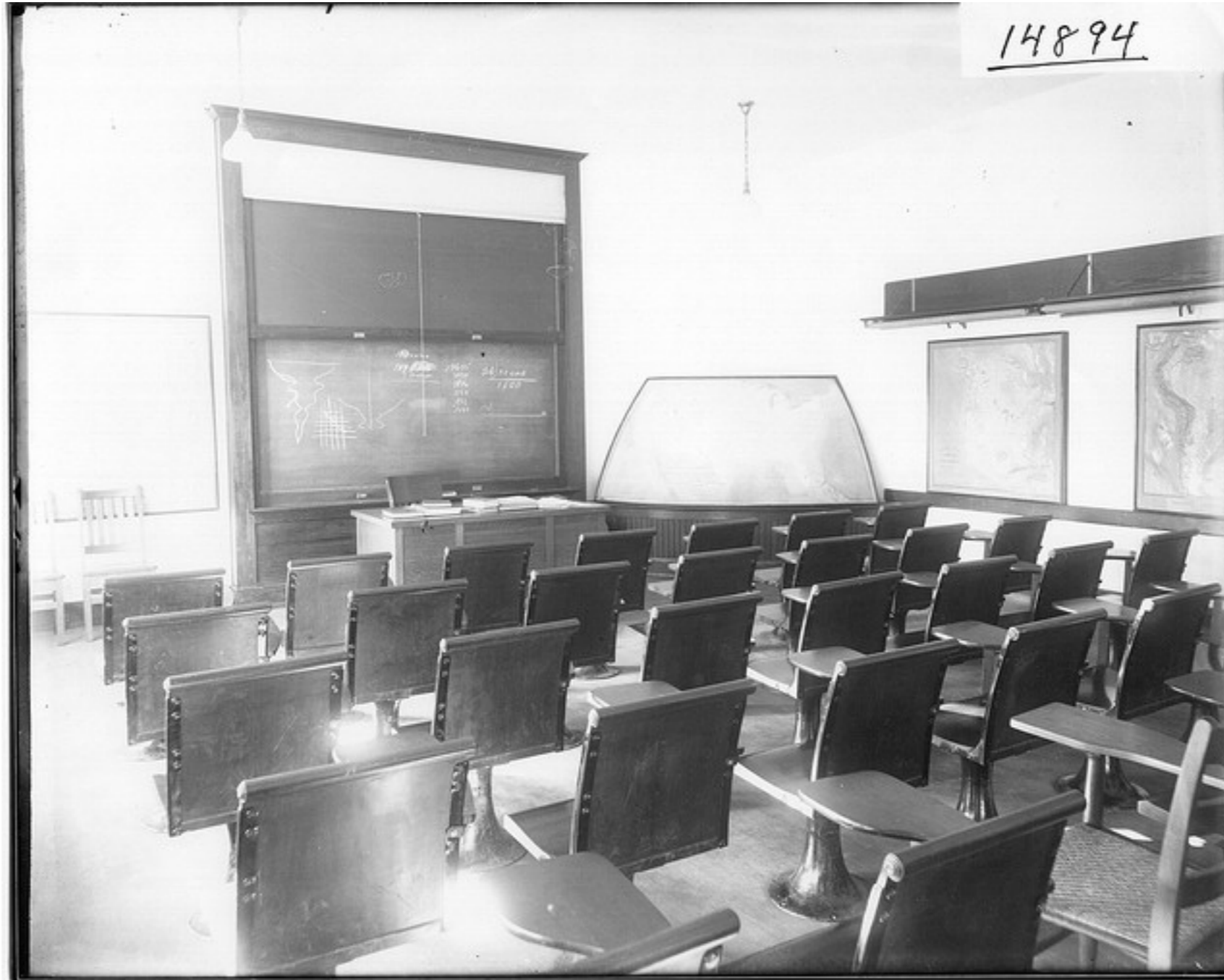
So, why?



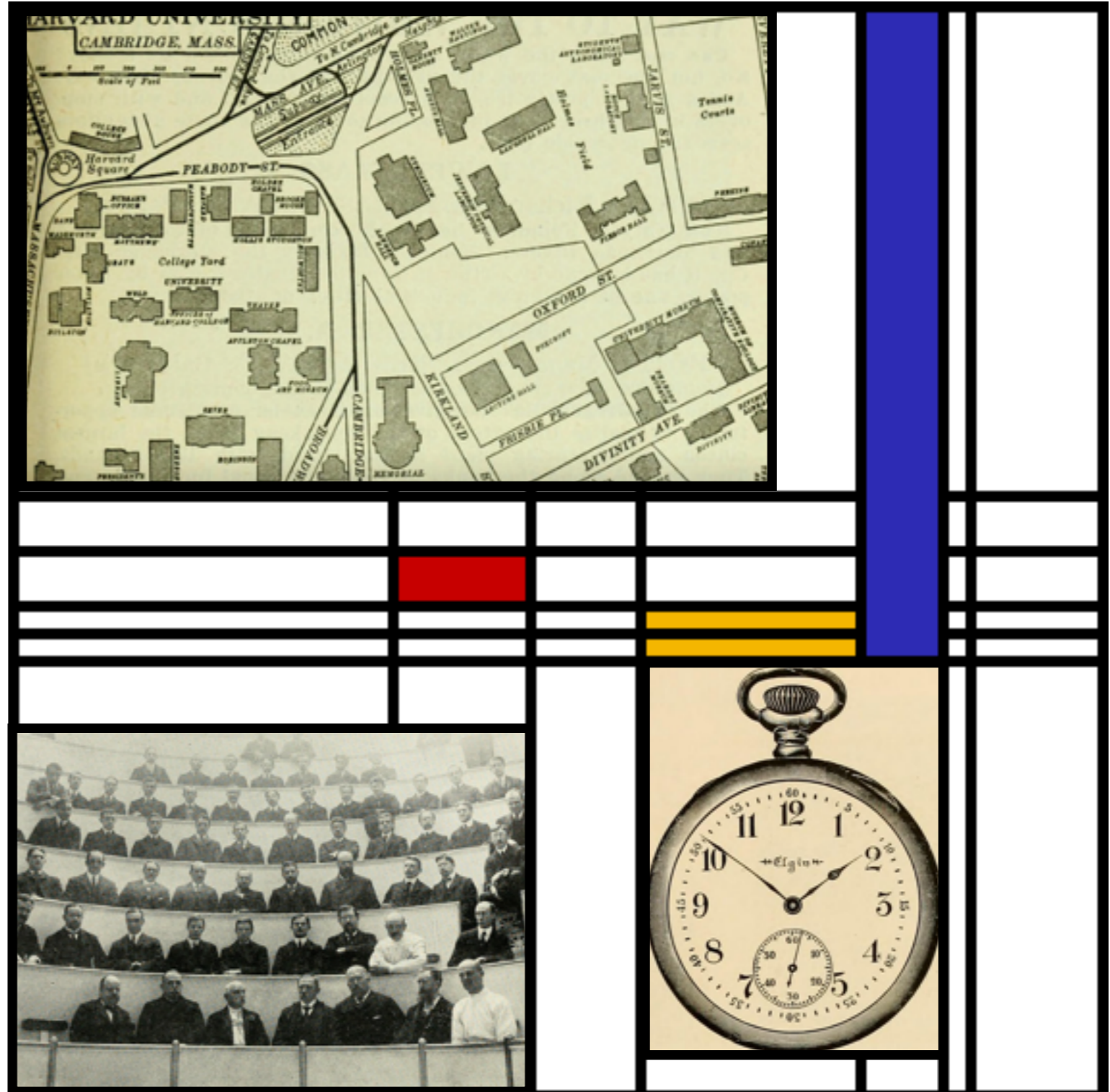
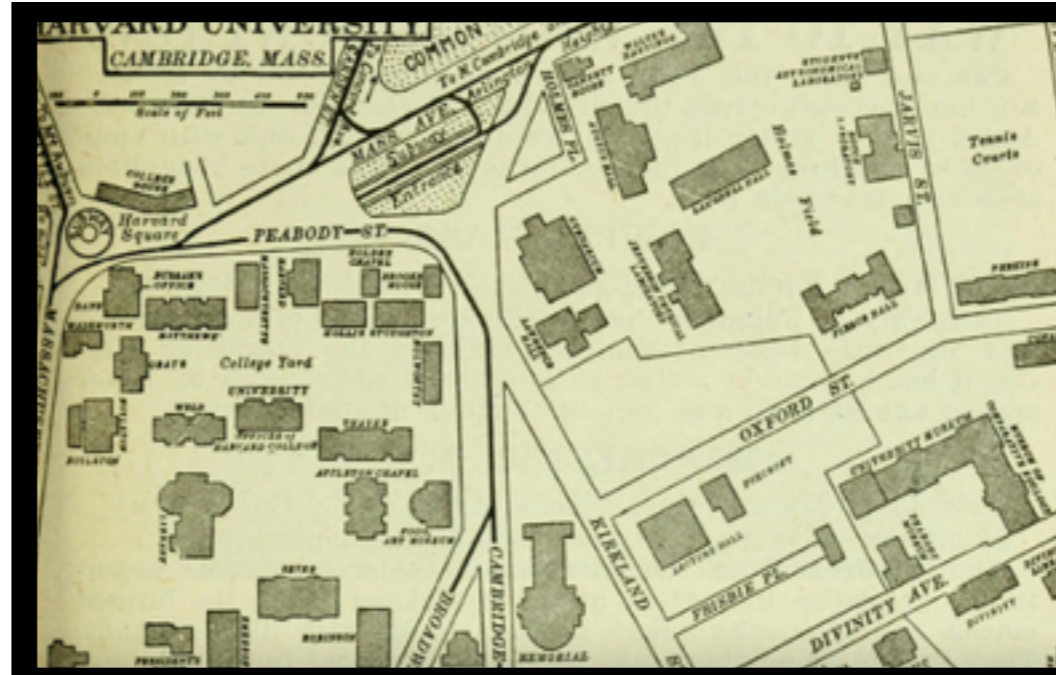
The screenshot shows the Student Central website interface. At the top, there is a search bar and navigation links for Home, Community, and Online Library. Below this, a 'Welcome, Jon' message is displayed. The main content area is divided into several sections:

- Tools:** A list of utility links including Calendar, User Directory, Student email, Staff email, Tasks, Address Book, Personal settings, and MS Office Viewers.
- Life Support:** A list of links for various student services such as Careers & Part-time Jobs, Childcare, Computing Libraries & Media, Counselling, Disability & Dyslexia, Health & Wellbeing, International Living here, Money, Partner Colleges, Religious Life, Restaurants, Cafes & Shops, Rights & Responsibilities, Safety & Security, Sport Brighton, and Student Handbook.
- My Study Areas:** A section titled 'Expand All' containing a list of courses and programs, such as 'CMIS Staff Area', 'MSc in Information Systems', 'FdSc in eSystems Design & Technology', and various undergraduate and postgraduate programs.
- My Announcements:** A section stating 'No new system announcements have been posted today.' It includes a 'Sport Brighton' announcement about the Cockcroft Sports Centre holiday closing and a 'News Flash' section with several bullet points regarding symposiums, email unavailability, and community downtime.
- Clubs and Societies:** A section titled 'Organizations in which you are participating:' with a link to 'Student Chat'.

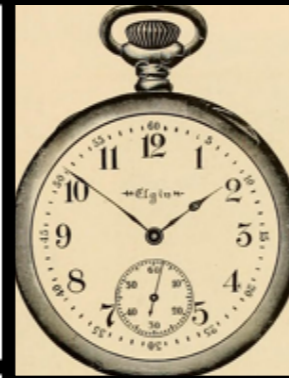
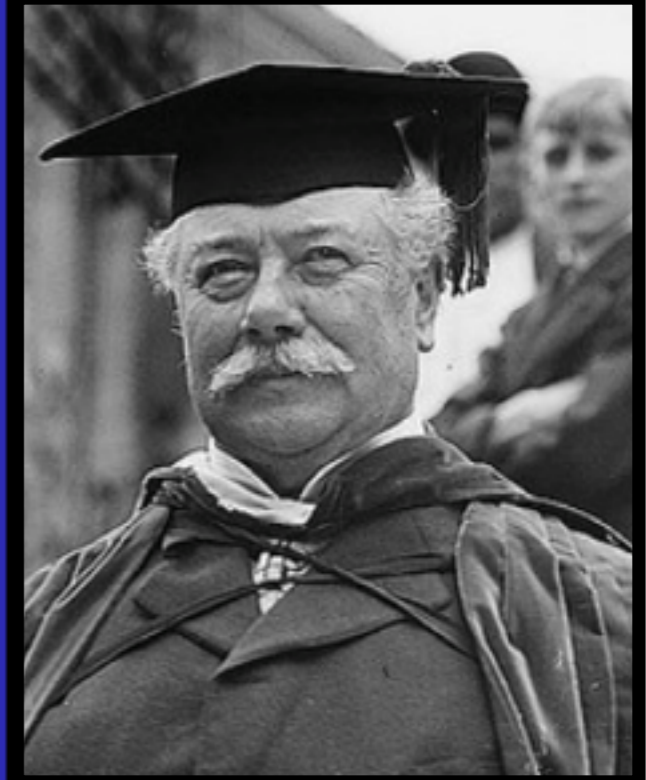
How it all began...



Physical boundaries



Scarce resources



classes

faculties

semesters

terms

schools

universities

tests

textbooks

accreditation

timetables

assignments

exams

seminars

What follows...

convocations

lectures

courses

programs

tutorials

learning outcomes

curricula

libraries

desks

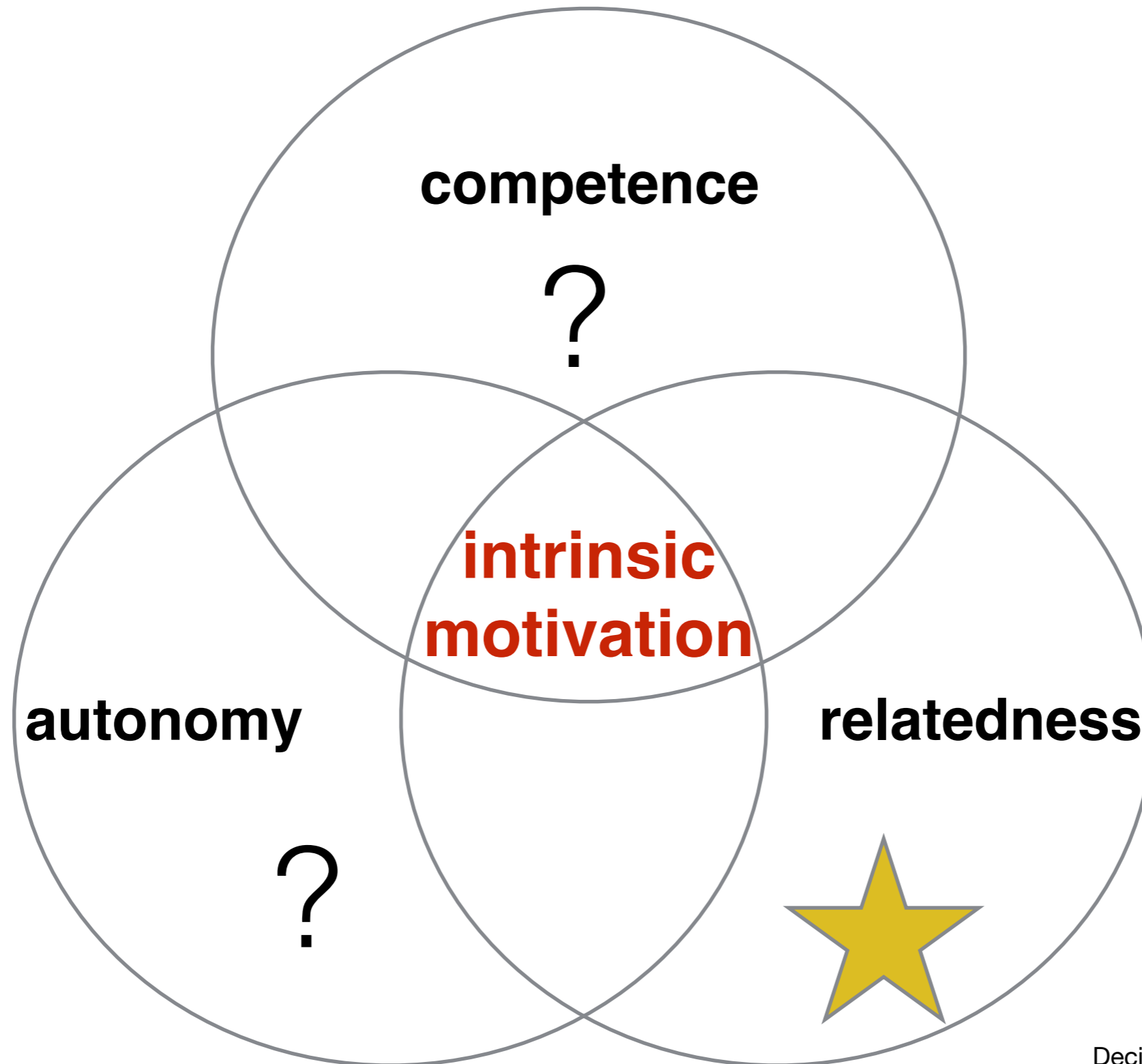
rules & regulations

And, most importantly...



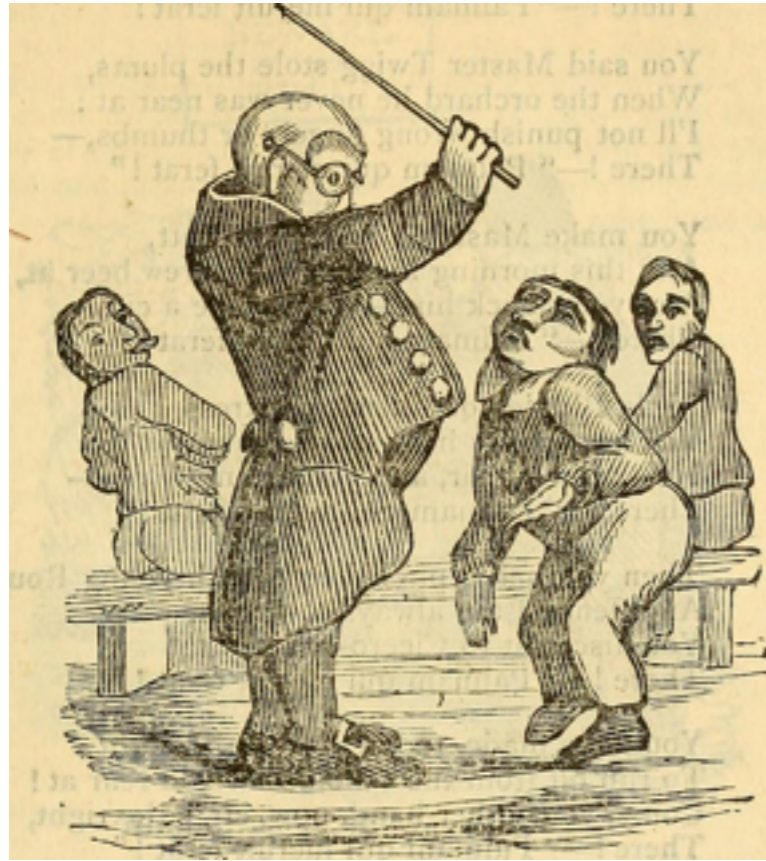
people that *do not want to be there*
a context that is *by definition*
demotivating

Classroom motivation



<http://selfdeterminationtheory.org>

Deci, E.L., & Ryan, R.M. (2000). The “What” and “Why” of goal pursuits: Human needs and the self-determination of behaviour. *Psychological Inquiry*, 11, 227-268



sticks
and
carrots





Extrinsic motivation crowds out Intrinsic motivation

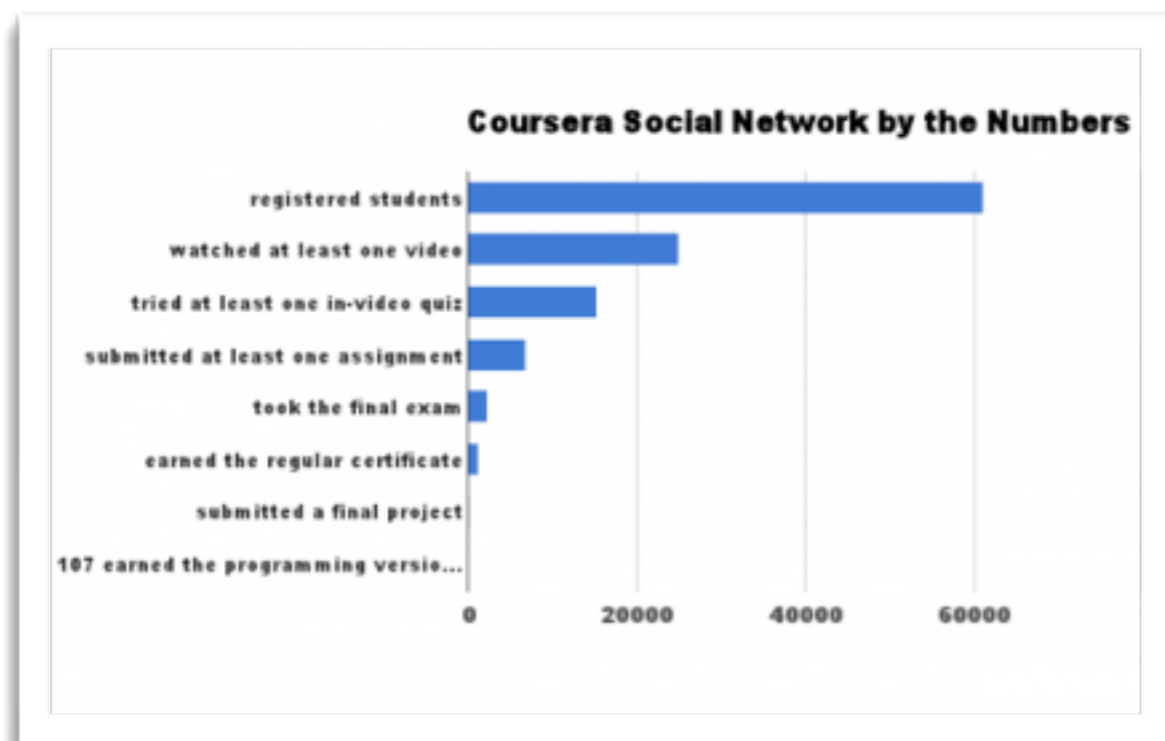


<http://selfdeterminationtheory.org/>



physical classroom-
based systems are
**systematically
demotivating**
because of physical,
non-negotiable
boundaries

What happens when you take away the power of the teacher (but keep the same pedagogies)?



<http://cogdogblog.com/2012/11/27/owning-massive/>

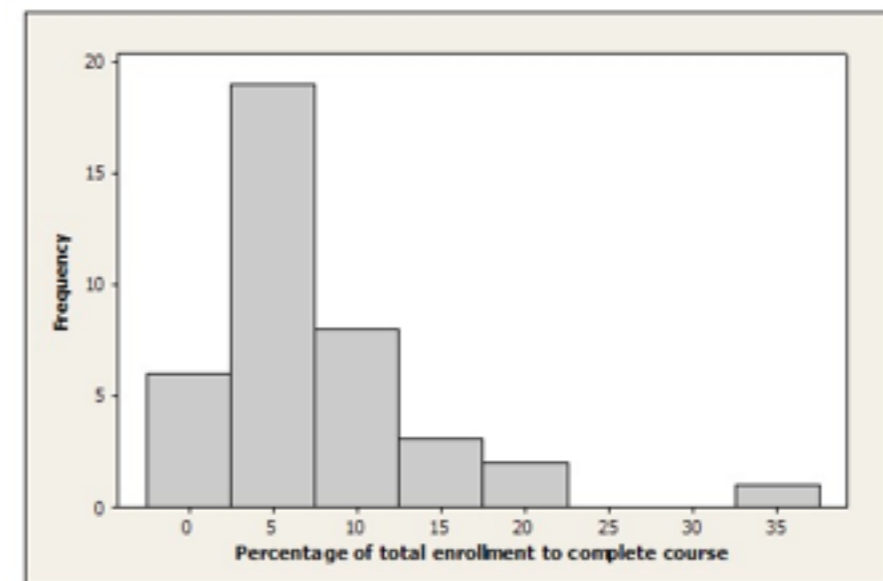


Figure 4. Histogram of completion rates for the sampled courses (n = 39).

“Completion rates range from 0.9% to 36.1%, with a median value of 6.5%”



and yet, when the need is gone....

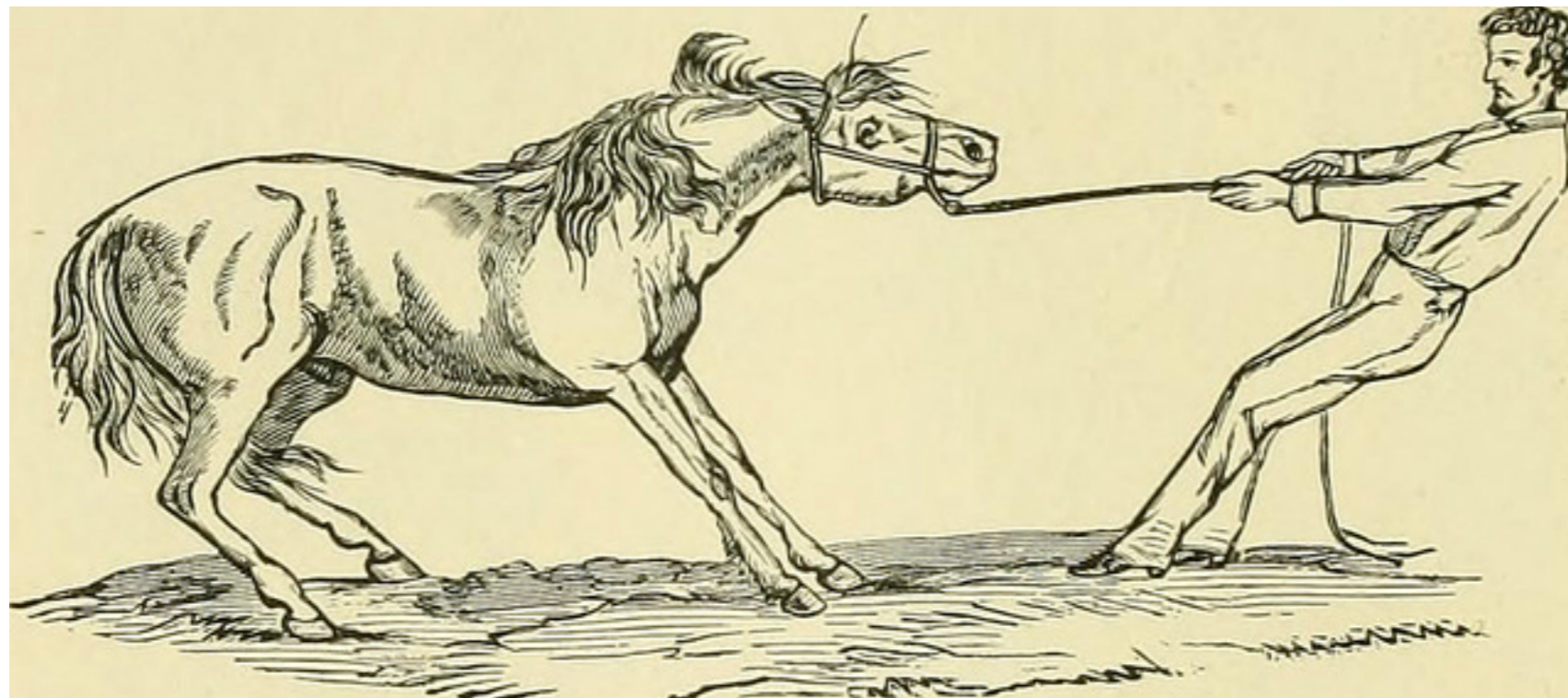
Course categories

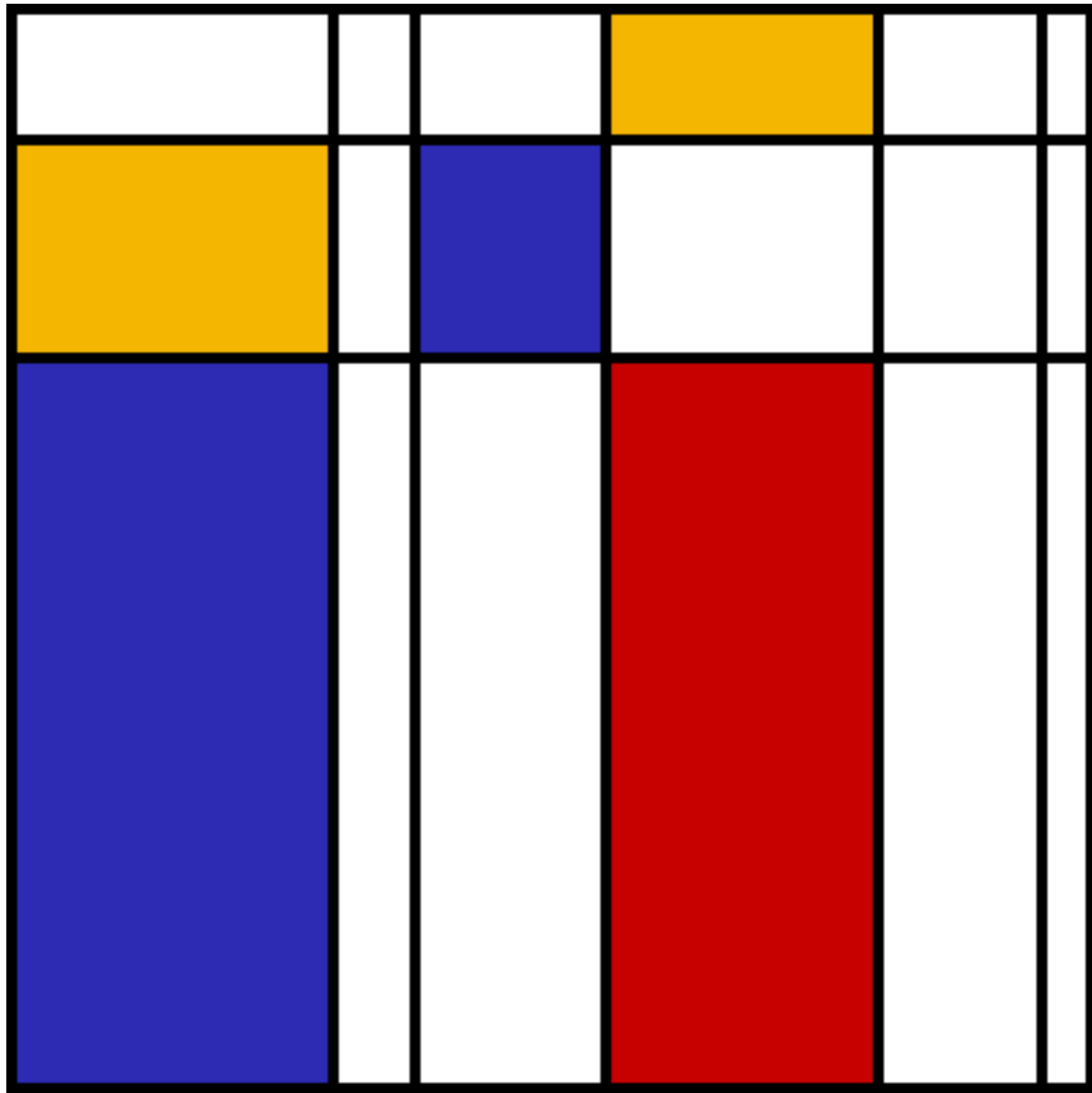
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 - Winter 2014 (10)
 - Fall 2013 (10)
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 - Fall 2012 (11)

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- Life Support:** A list of support services such as Careers & Part-time Jobs, Childcare, Computing, Libraries & Media, Counselling, Disability & Dyslexia, Health & Wellbeing, International Living here, Money, Partner Colleges, Religious Life, Restaurants, Cafes & Shops, Rights & Responsibilities, Safety & Security, Sport Brighton, and Student Handbook.
- My Study Areas:** A section titled 'Expand All' containing a list of courses and programs, including 'CMIS Staff Area', 'MScIS - Masters in Information Systems', 'FdSc in eSystems Design & Technology', 'Computing Undergraduate Programme', 'FdSc Computing & HND Computing', 'Reflective Uses of Information and Communication Technologies', 'Computing in Context', 'Professional practice', 'The Individual Project', 'Informative Individual Project', 'Adaptive Interactive Systems', 'Developments in Learning Technologies', 'Network Management', 'Web Mastery', 'The Individual Project', 'Foundation for Professional practice', 'Group Project', 'Conduct of IT Projects', and 'Web Application Development'.
- My Announcements:** A section stating 'No new system announcements have been posted today.' It includes a 'Sport Brighton' announcement about 'Cockcroft Sports Centre Holiday Closing Times' and a 'News Flash' section with items like 'Exercise Tolerance Symposium', 'Student E-mail Unavailable 3/4/07', 'Casia Cafe Bar closed 2-6 March', and 'Community Downtime and Competition - Reminder'.
- Clubs and Societies:** A section titled 'Organizations in which you are participating:' with a link to 'Student Chat'.

Why do we not ban
cellphones in online
classrooms?





Virtual boundaries

algorithmic

metaphorical

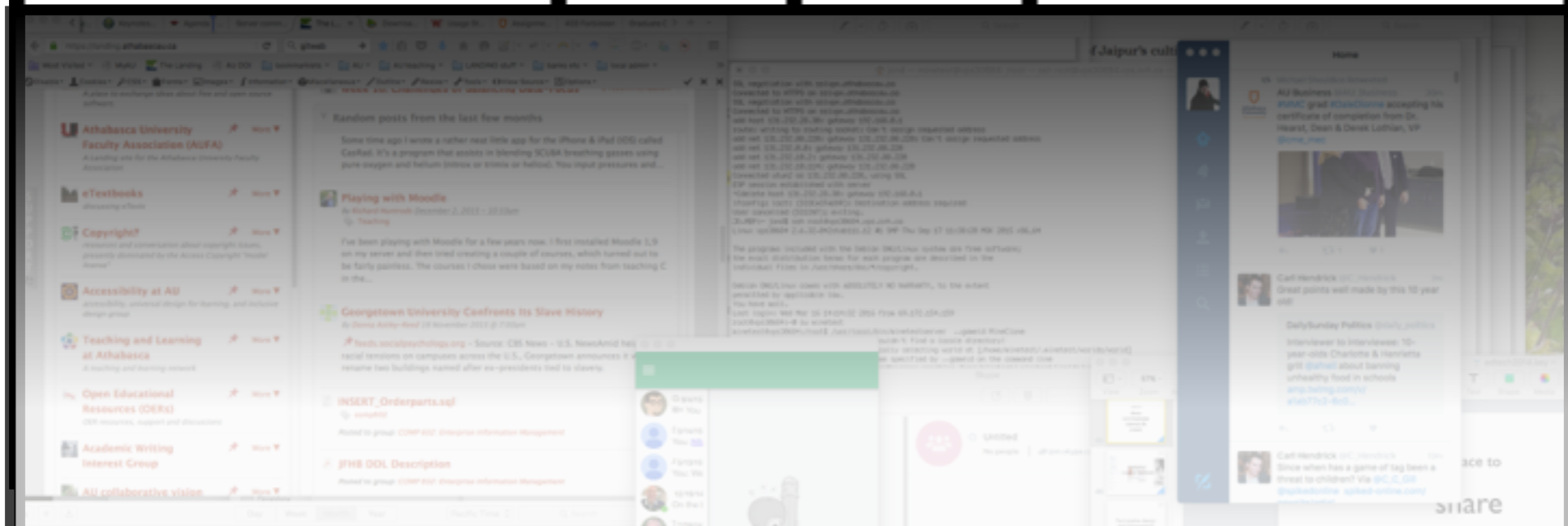
permeable

Virtual boundaries
Virtual boundaries

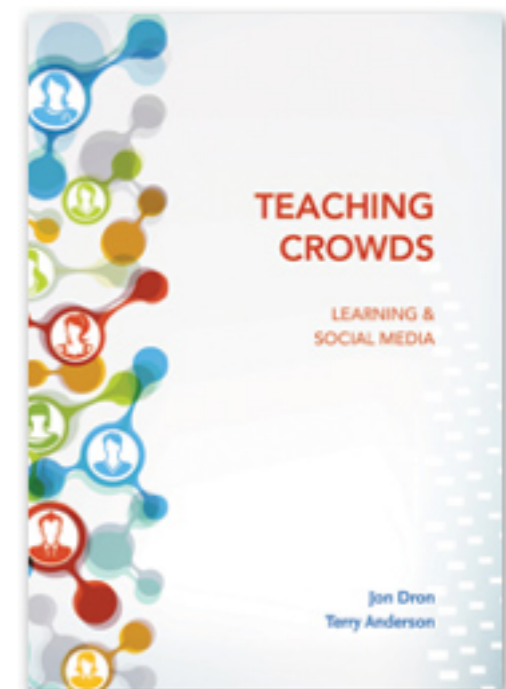
fuzzy

overlapping

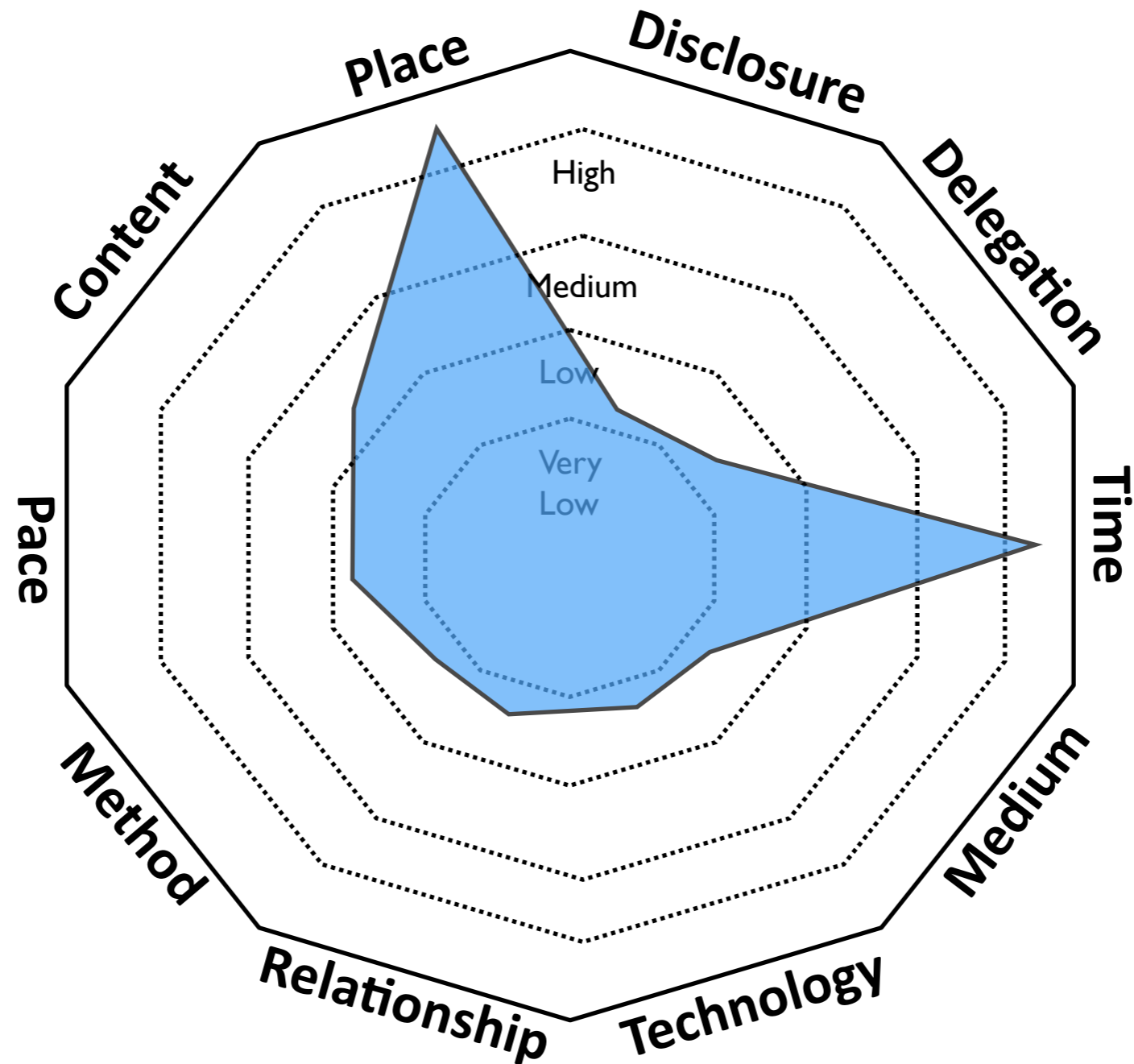
open



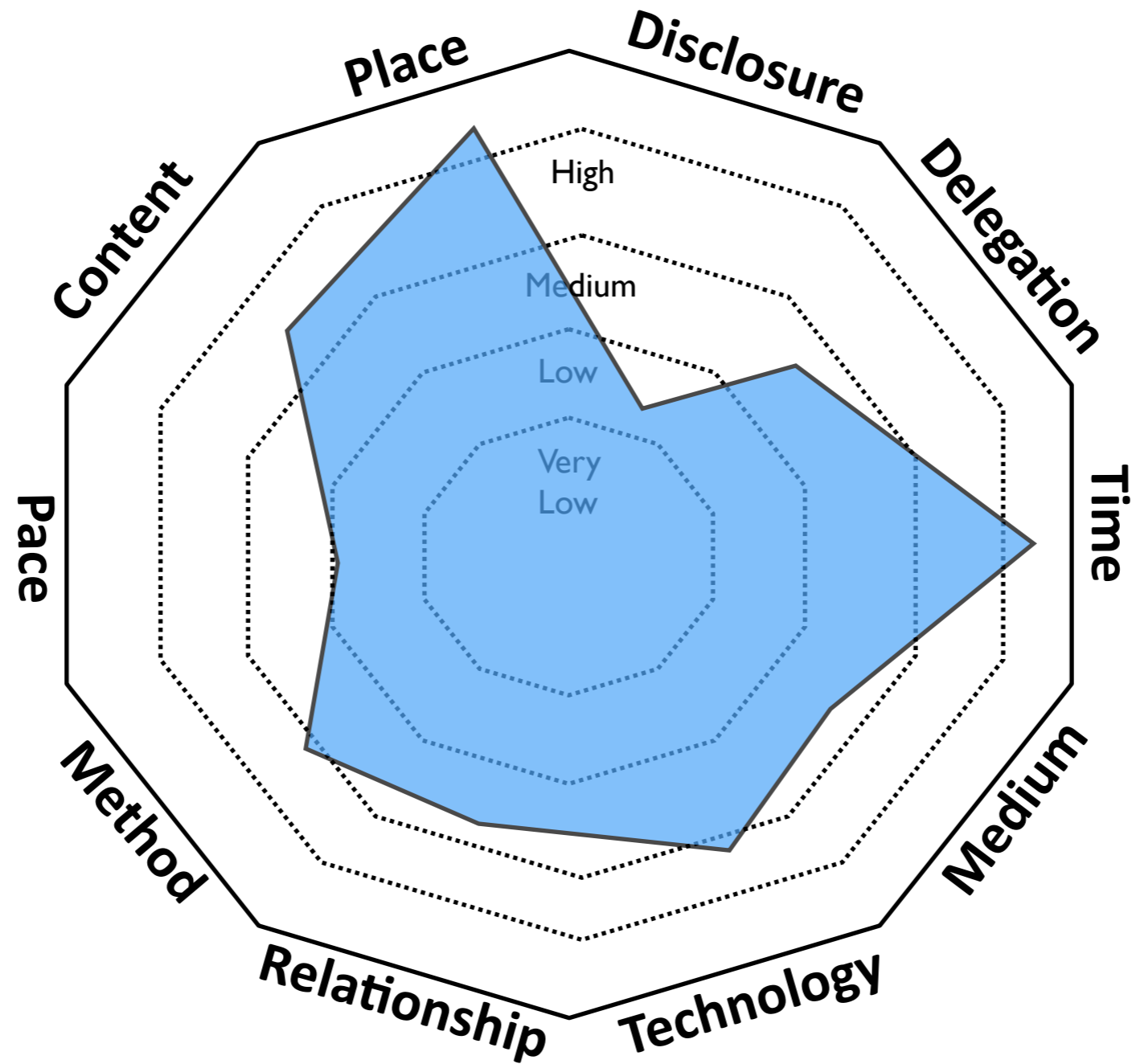
E-learning freedoms...



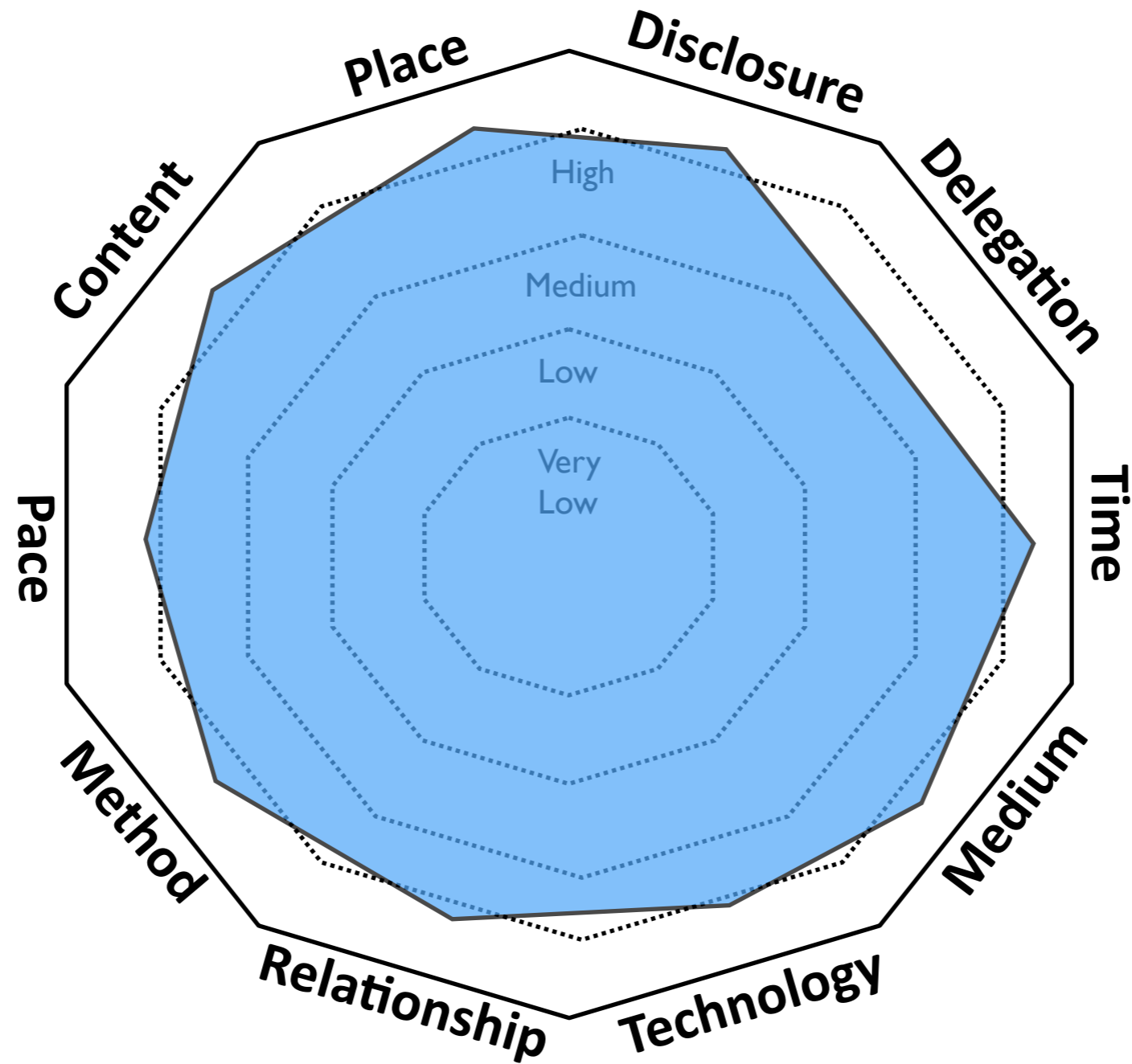
But in most online courses
(the teacher view)...



Thought in real life...



But, online, Web 2.0...



The Web 2.0 teacher



~~Sage on the stage (mandatory)~~

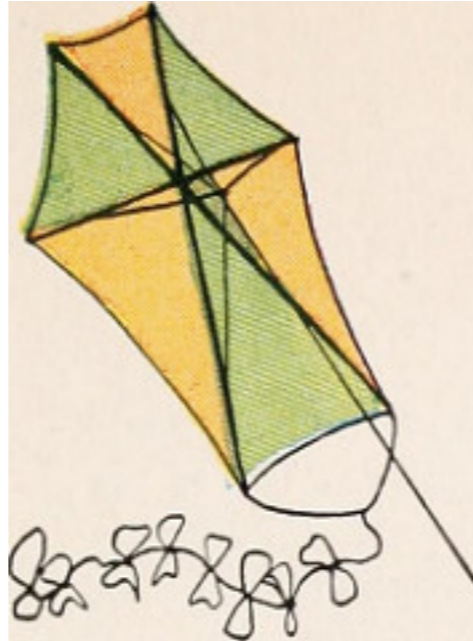
Sage on the stage (optional) ✓ **TED** Ideas worth spreading*

~~Guide on the side (mandatory)~~



Guide on the side (on demand) ✓

Co-traveller, friend, adversary, inspiration,
role model, anti-model, cartographer,
path-clearer, trend setter, thought leader,
fool ✓



Online teachers are not in control.
We must learn to let go.
But...

Benefits of institutions

Learning community

Webs of trust/authority

The big picture, the big plan

Concentration of gurus

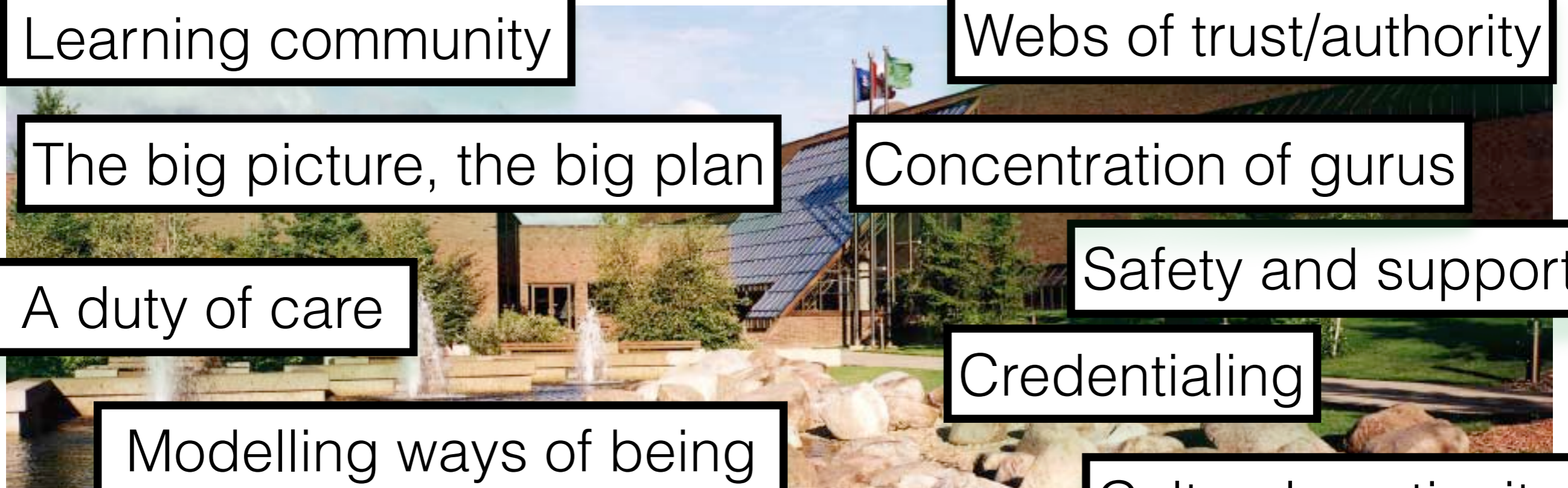
A duty of care

Safety and support

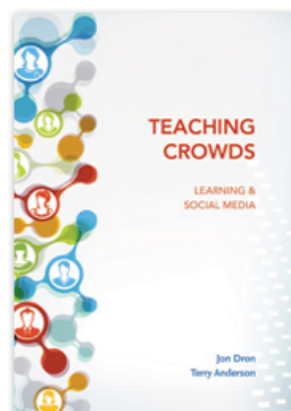
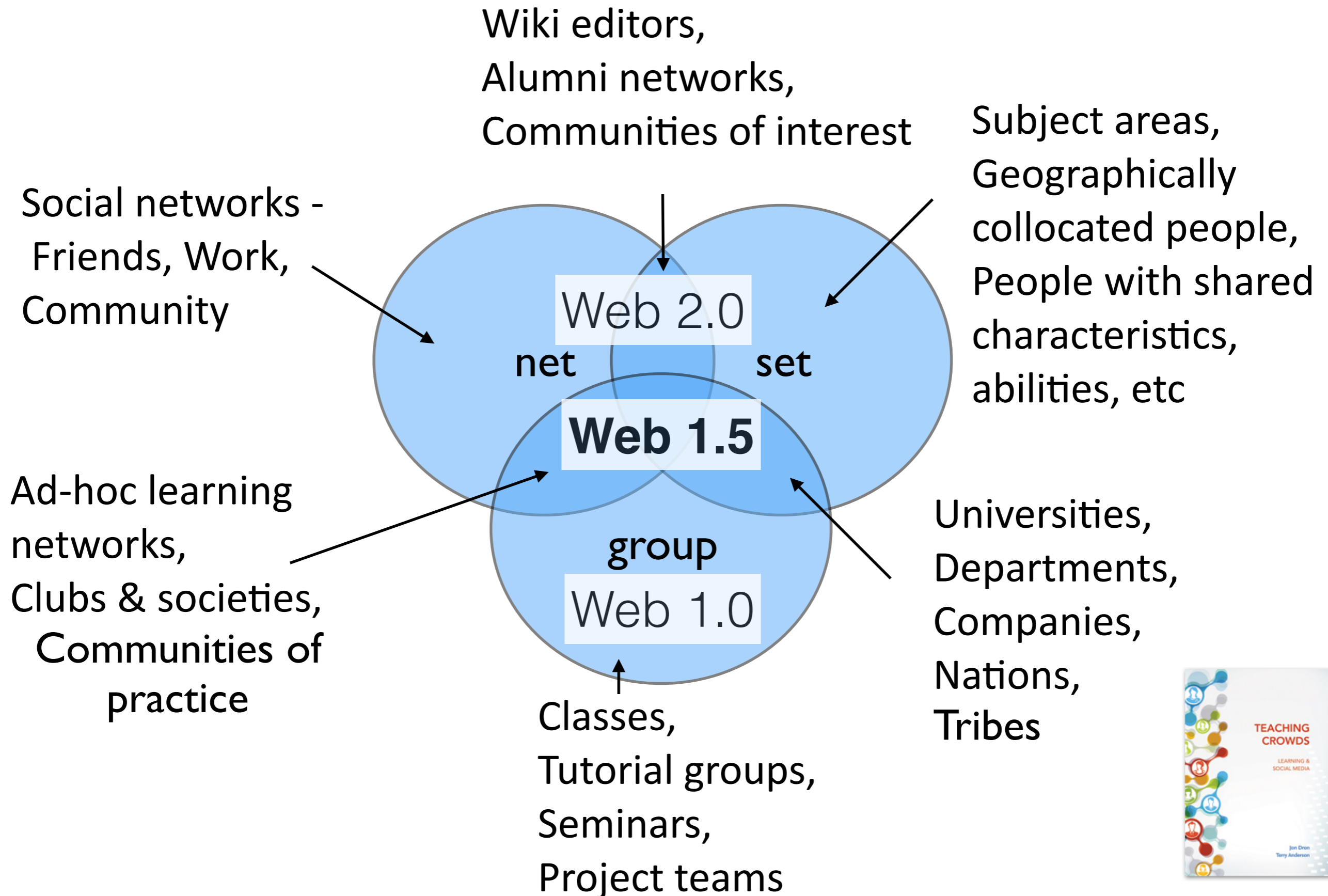
Modelling ways of being

Credentialing

Cultural continuity



Our solution - Web 1.5





Web 1.5

Athabasca Landing

a social learning commons



Welcome to COMP 466

Using Moodle

COMP 466 Syllabus

SCIS Virtual Helpdesk

Student Manual

COMP 466 General Conference

News forum

Tutor Marked Exercise 1

Tutor Marked Exercise 2

Tutor Marked Exercise 3

Tutor Marked Exercise 4

COMP 466 Course Coordinator

Week 1

Familiarize yourself with the Study Guide.

Complete Unit 1.

Week 2

Complete Unit 2.

Week 3

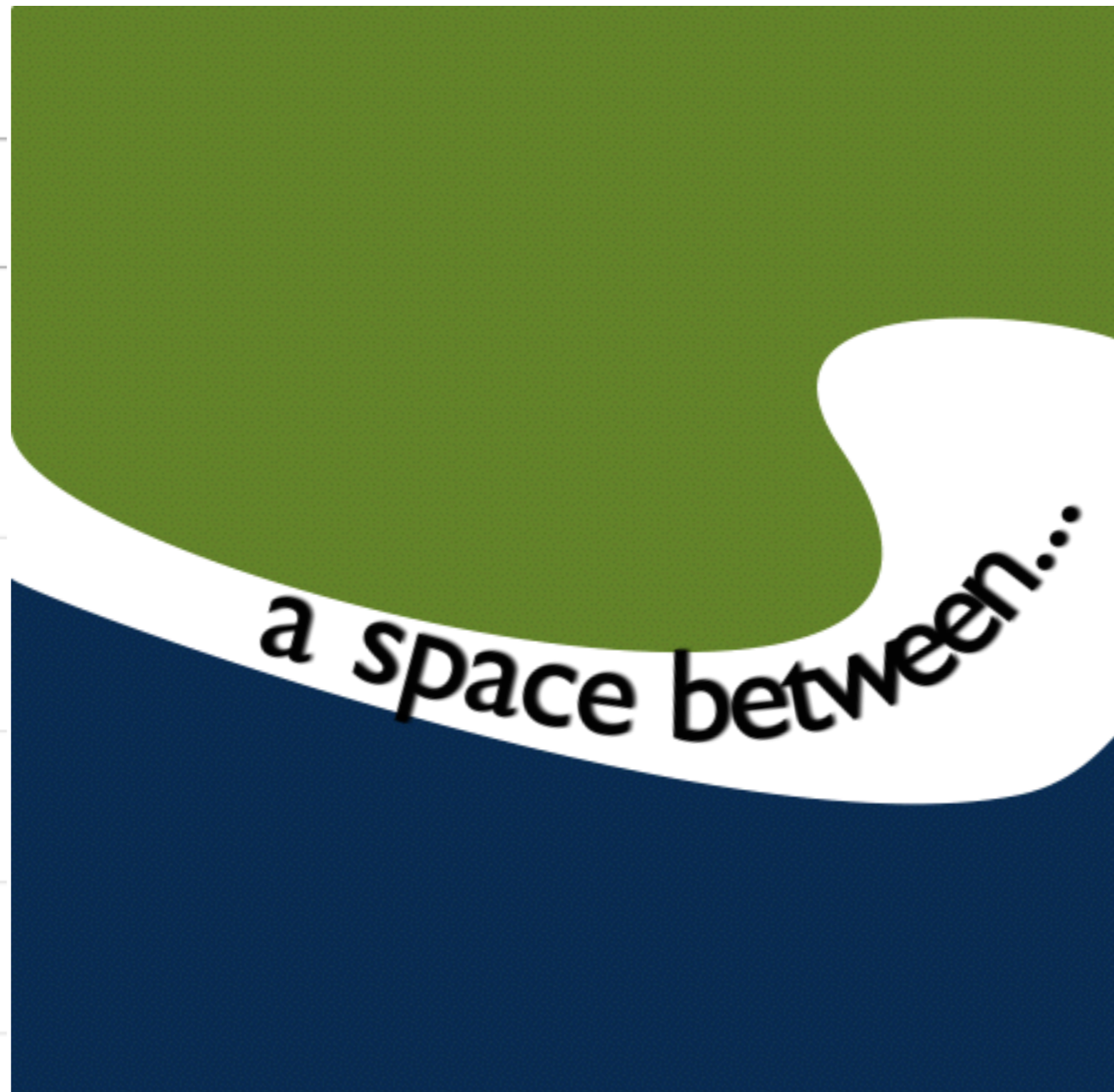
Complete and submit TME 1.

Week 4

Start working on Unit 3.

Week 5

Complete Unit 3.



Your Dashboard | Research | teaching | My stuff | 266 moodle | Following | MyAU | Add widgets

Group membership

SelfAdjustingSystems
Group that serves as a bridge of communication for essay work.

Soft things, hard things and invisible elephants
Jon Dron's contribution to #change11.
Main page

E-learning blogs

eLearnSpace | Donald Clark's Plan B | Virtual Caruck | OLDU

eLearnSpace
Open Symposium: Policy and Strategy for Learning Analytics Deployment

We (SoLAR) are organizing an online symposium on Policy and Strategy for Learning Analytics Deployment

Tag Tracker

12 Awesome Social Media Facts and Statistics for 2013
By Jon Dron 23 September 2013 @ 12:53pm

social media, social network, statistics, facebook, google+, twitter, pinterest, tumblr

www.zeffhullus.com - An

People you may know

Sandra Law
7 followers: Mary Pringle, Glen...

12 shared groups: Atheists at collaborative vision & strategy, Analytics, TLSTN, Web Confer...

Groups > Your groups

Your groups

- Academic Blogging Circle
Academic Blogging Circle
- Academic web sites
Academic Web and network to
- Accessibility at AU
accessibility and inclusive des

Site Tag Cloud


COMP602, comp650, research, e-learning, ed...
learning, e-portfolio, social co...
social networking, portfolio, design, teaching, elgg, acco...
data mo...
ing dia...
tme5,
national...
manag...

- Group activity
- Group blog
- Group bookmarks
- Group calendar
- Group discussion
- Group featured content
- Group files
- Group photos
- Group pinboards
- Group polls
- Group recommended content
- Group wikis

By Terry Anderson 9 May 2013 @ 2:14am
3 minute thesis

Posted to group: **EDDE 806 Doctoral Research Seminar**

Three minute thesis competition



Watch this video from Australia or do a YouTube search on 3 minute T...

In his article, "writing in the Age of Distracting," Cory Liu techniques to help with the writing process, despite the n... to time. I liked...

My tips for writing
By Kulwant Gill 2 days ago

I find that when I am feeling overwhelmed or s... I have realized that when I try to write during this period

Unit 2 Files
By David Scarff 2 days ago

Posted to group: **COMP 266**

Critical Review
By Tony Corallo October 11, 2013 - 10:47pm Comments (1)

mais606

We just finished the Critical Review draft and it was a cho... it comes to the MLA style. Thank goodness for the resou... do not remember having...

Quality and OER: A response to David Wiley
By Rory McGreal October 11, 2013 - 5:39pm

Soft things, hard things and invisible elephants

2013 View

Overview of the main ideas

Suggested activities

Elphants in the room

How should we go about researching the things that have nothing to do with technology - the person, artistic, imagination and variety of a teacher, for example?

The Goldilocks effect

Group: COM...

Introductory podcast
By Jon Dron 9 November 2010 @ 3:20pm

Introduction, COMP 607

A very brief hello and introduction from the course author



many tools



Jon Dron

Welcome | Blog | Bookmarks | CV | All home page | Personal home page | Default profile

Selected Information

gold stars | Employment

PHD, Brighton, (Achieving self-organ learning environments) 2002

Postgraduate Certificate, Brighton, (Education) 1998

MSc, Brighton, (Information Systems)

BA (Hons), Sussex, (Philosophy) 1992

Teaching Excellence Award, Univers...

National Teaching Fellowship, Higher...

President's Award for Research and I...

Honorary Faculty Fellow, Faculty of B...

Various best paper awards - see pub...

Things I have bookmarked

China Wholesale - Wholesale From China

Show all | Show only those on: My calendar | Calendars of people you follow

today

October 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	4:30p NSERC IB - Sept Deadline		15a OER Session: What kinds of Learning Can We Scale	16a 7th European Conference on Games Based Learning	By Research in the Interdisciplinary World: NAAD Fall Symposium	

Find a repository...

All Repositories | Forks | Sources | Private | Public

- AU-Landing-Project/menu_builder
- AU-Landing-Project/Comment-Tracker-1.8.x
- AU-Landing-Project/au_taganything

Posted to group: **Accessibility at AU**

Drafts of FAQs that are intended to remove the confusion around environment more generally. Please provide feedback on these q... are they clear, would a link to additional resources help or just c...

1. What's wrong with using tables for layout?

Although it is possible to use tables for layout of elements (course recommended), You should try to format courses using css. If a lo... is formatted in a way that makes it easily understandable by some... with layout tables and **how to create accessible tables**.

2. How do html heading levels help students navigate courses?

People who use screen readers (e.g. blind, visually impaired, lear... determine where they are on a course site. The screen reader an... content.

Posted to group: **Centre I...**

- Seagulls - Kathy Wor...
- Gasdi Cathedral - Ter...
- Huber's Beach, NS - l...
- Perfect Cosmopolitar...
- Lethbridge - Margue...
- Dragon Boats - Made...
- Cappadocia Summer...
- Thompson River sun...
- New York, New York...
- Gardening North of S...

Huber's Beach, Jessome-Crote

Perfect Cosmog Jenny Hayman,

Lethbridge - Margu...

By Mark A. McCutcheon Oct... (And for more on that http://is.gd/VKEkST)

By Mark A. McCutcheon Oct... CUFABC made an exce... measuring university e...

By George Siemens October... Registration now open bit.ly/1SILFOR

By Viviane Vladimirschi Oct... Hi Jennil Congratulatio...

By Terry Anderson October... Canada needs a nation... Globe. see http://bit.ly/1dW6JKX

work ou

Adam Gillespie
2 photos

Athabas Cam

Fuhua

Hiking the Camino in Spain

Gorge

Webinar demo

Public | Chat

Big blue button



8,000 users

17,000 blog posts

13,000 shared files

8,000 wiki pages

much learning

>20,000 unique visitors a month (>2,000 internal)

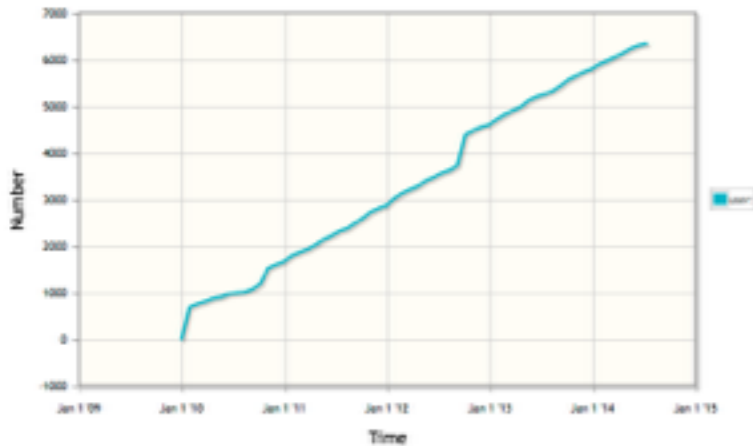
500 groups

3,000 discussions

6,600 shared bookmarks

4,500 microblog posts

Used in about 30 courses



A Web 1.5 course

self-paced
role-free

cooperative - all students are also teachers

no assignments

open ways to learn

open ways to prove learning has happened

social by default (and optionally so)



The screenshot shows a Moodle course page for 'COMP 266'. The page is titled 'COMP 266' and has a sub-header 'COMP 266: Introduction to Web Programming'. The page is set to 'Closed group'. The main content area displays a description of the course, which is a self-paced, role-free, cooperative course. The description includes a link to the course website: <http://www.athabasca.ca/scis/comp/comp266.php>. The page also shows a list of group members, with the owner 'Jon Dron' and 398 group members. The page is divided into several sections: 'Default', 'Useful information', 'recent activity', and 'External news feeds'. The right sidebar contains a list of group activities and features, including 'Group activity', 'Group blog', 'Group bookmarks', 'Group discussion', 'Group featured content', 'Group files', 'Group polls', 'Group recommended content', 'Group webinar (on)', 'Group wikis', and 'Group wire posts'. There is also a 'Manage join request' button and a search box for the group.

thinking in systems

suggesting

revealing boundaries

inspiring
filtering

recommending

feeding back (and forward)

finding caring



Teaching in Web 1.5

listening

watching

responding

seeking, not setting, direction

designing for cooperation

role modelling

accommodating

letting go

being a co-traveller

supporting

Credentials in Web 1.5

- SEPARATE
Separate learning and credentialing if possible
- NEGOTIATE
Negotiate learning outcomes and what constitutes proof of them
- SEEK EVIDENCE
Mark evidence of learning outcomes, not assignments

ONTARIO
DEPARTMENT OF EDUCATION

Lower School Examination

ROY COVERT,

a candidate for the **Lower School Examination** held
at **DESERONTO,** in **June, 1929,**
is entitled to the standing indicated in the annexed schedule.

Certified,
Toronto, August, 1929. *R. A. Crookery*
Registrar.

NOTE 1:—This certificate is issued under the provisions of Sec. 10, p. 78, H.S. Courses, 1928.
NOTE 2:—Standing granted at this examination will be accepted *pro tanto* for High School Graduation and for admission to a Normal School in Ontario.
NOTE 3:—Candidates who fail in one or more papers are referred to the reverse side of this certificate for additional information.

Exam. Form 42, 45,000, June, 1929.

[OVER]

SCHEDULE	
(a) Maximum for each paper, 100.	
(b) Requirements to pass, 50 per cent. on each paper.	
(c) A blank space indicates that standing is granted on a paper.	
(d) The entry of marks indicates that standing is not granted.	
(e) XX indicates a paper not taken.	
(f) In the case of a failure, if the paper has been re-read, "R" is entered after the marks.	
English Grammar	XX
British History	
Geography	
Physiography	XX
Arithmetic	XX
Art	
Botany	
Zoology	XX
Agr. & Hort. I	XX
Agr. & Hort. II	XX
French Grammar	XX

let go!





Mahalo!

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