

Soka Education and Digital Education

Massively Open Online Courses

“The starting point and essence of Soka education is the spirit to treasure each student individually so that they can become happy and enjoy a glorious future.”

Treasured



Neglected

Boring Future

Enjoyable Future

1. CONTEXT

Soka Education

Makiguchi	Ikeda
<p>Value is subjective.</p> <p>Learner's happiness is education's purpose.</p> <p>Learning opportunities over knowledge transfer.</p>	<p>Become global citizens.</p> <p>Create value through dialogue.</p> <p>Student-teacher relationship.</p>

2. TEACHING

Student needs < Institution capacity

3. LIMITATIONS

Problem

High quality education is available to those who
can afford access.

**High
Quality**

A long time ago

**Low
Quality**

Tutor

High Cost

Low Cost

**High
Quality**

Printing Press

**Low
Quality**

Books

1:1

High Cost



Low Cost



High
Quality

Today

Low
Quality

Costly

Scalable

Private institutions

High
Quality

Low
Quality

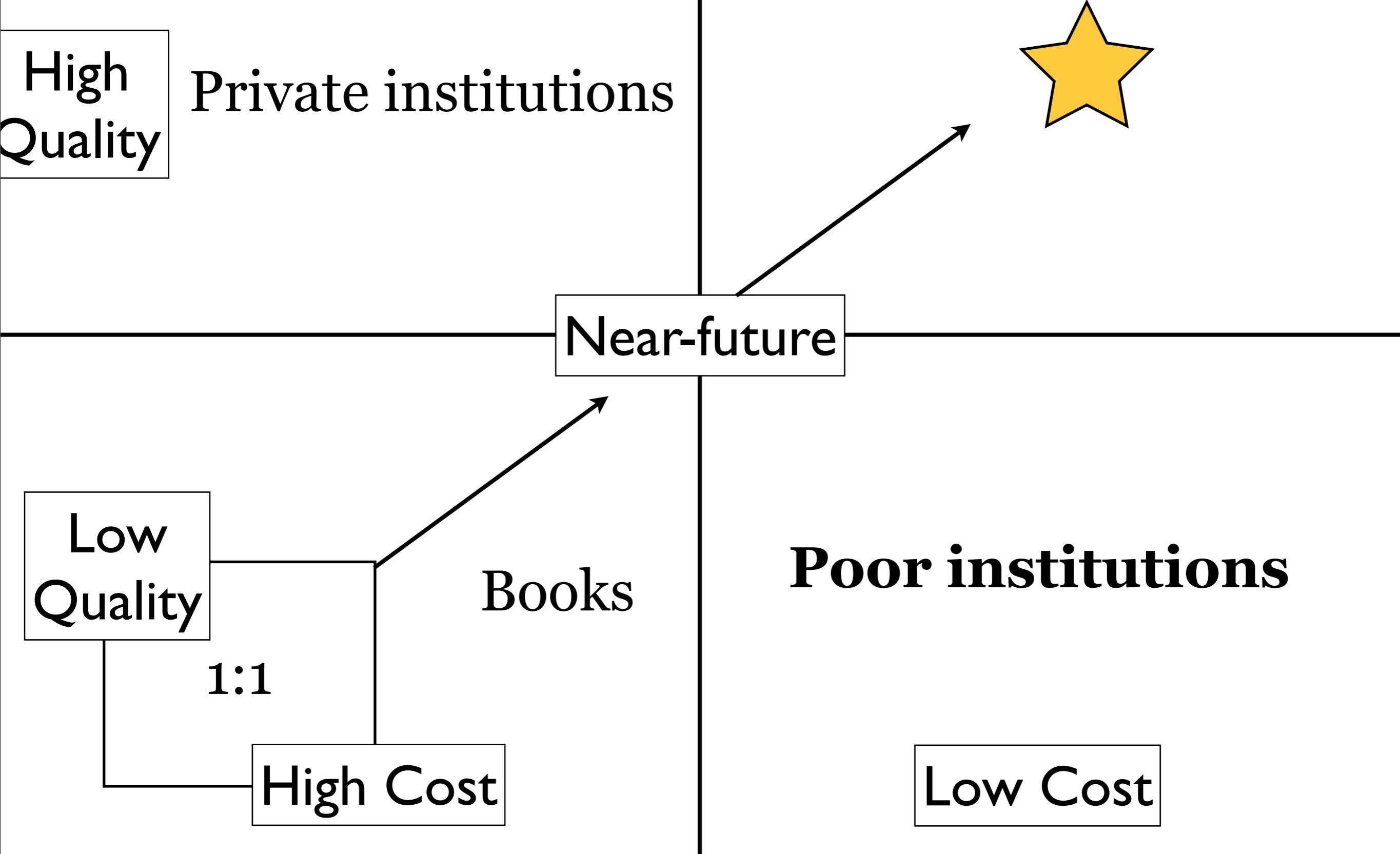
Costly

Scalable

4. TECHNOLOGY

*“The processes by which an organization transforms inputs of labor, capital, materials, and information into products and services of **greater value**. ”*

Clayton Christensen, "Disrupting Class"



Private institutions



High
Quality

Lower costs
or improve quality.

Low
Quality

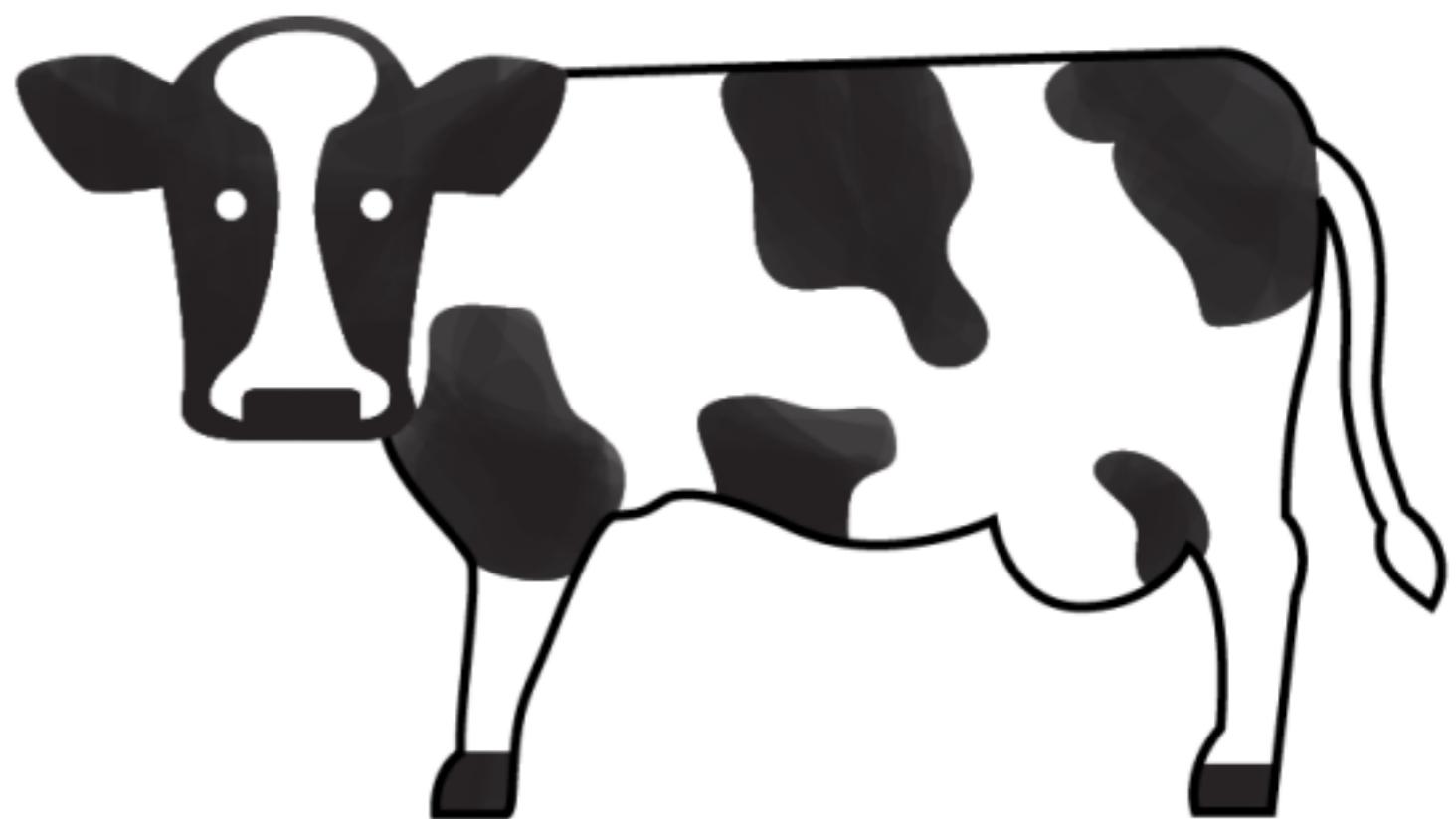
Poor institutions

Costly

Scalable

5. MASSIVELY OPEN ONLINE COURSES

MOOC?



MOOC |moo-k|

A massive open online course (MOOC) is an online course aiming at large-scale participation and open access via the web.

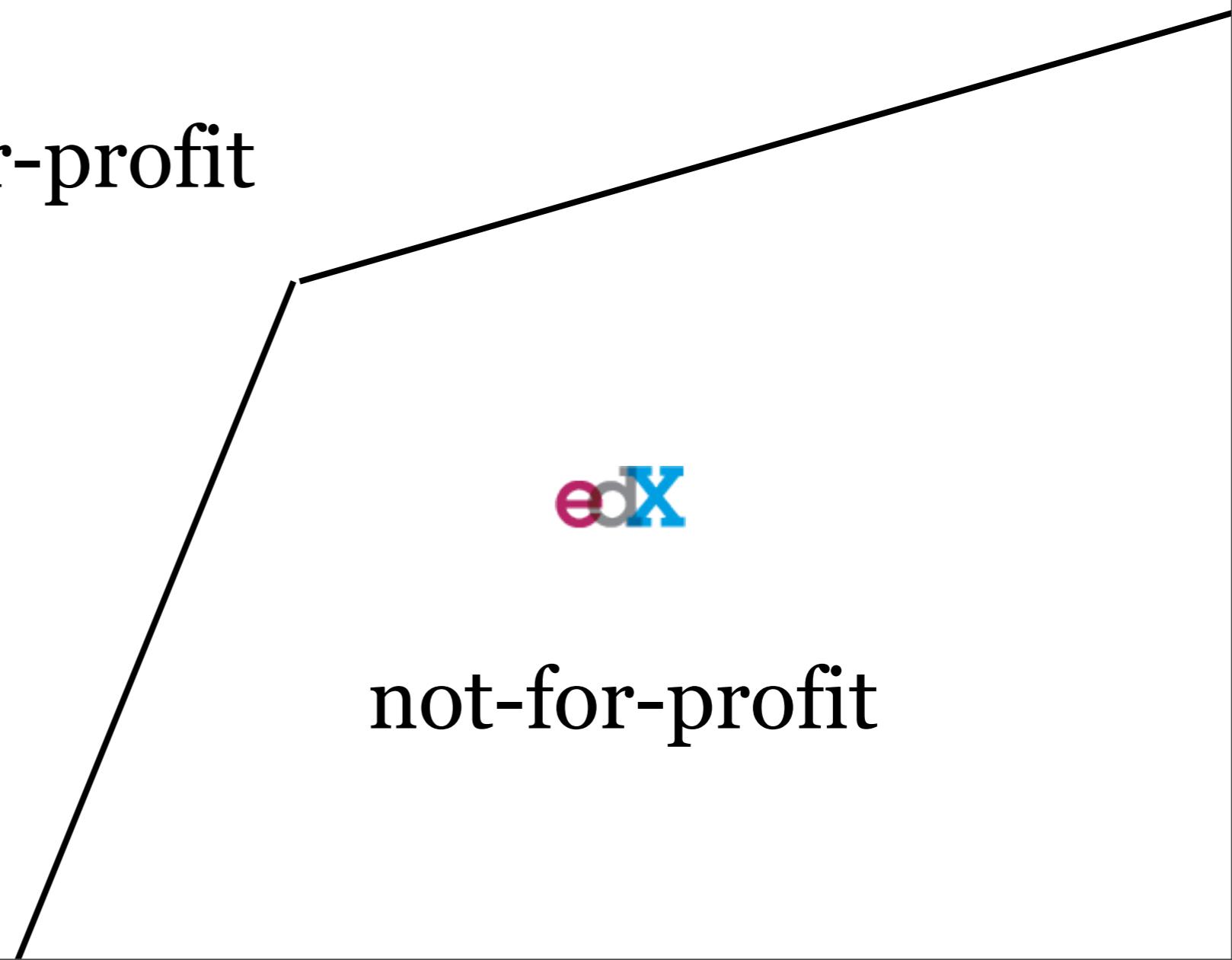


for-profit

coursera

edX

not-for-profit



“We would like to offer a high quality education to everyone around the world with an Internet connection, for free.”



Berklee
college of
music

UF UNIVERSITY of
FLORIDA



The Hebrew
University of
Jerusalem

 PRINCETON
UNIVERSITY

I ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

 WESLEYAN
UNIVERSITY

 UNIVERSITY
OF LONDON
INTERNATIONAL
PROGRAMMES

W UNIVERSITY of
WASHINGTON

 COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

 UNIVERSITY OF
MARYLAND

M
UNIVERSITY OF
MICHIGAN

 THE UNIVERSITY OF
MELBOURNE

 香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

JOHNS HOPKINS
UNIVERSITY

Duke
UNIVERSITY

 EPFL
ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Stanford

THE
OHIO STATE
UNIVERSITY

 RICE

 a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA

 Icahn School
of Medicine at
Mount
Sinai

 Penn
UNIVERSITY OF PENNSYLVANIA

 EMORY
UNIVERSITY

Ok folks, this course is officially on its way. We are seriously excited and we hope you are too. Talk to you soon!

The Learning Creative Learning team (sent by The Machine aka Oliver)

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This online course Learning Creative Learning is brought to you by P2PU and the MIT Media Lab. Any questions or comments? Write to medialabcourse@p2pu.org and we'll get back to you pronto pronto.

Mary Cavanaugh <maryacavanaugh@gmail.com>

Sun, Feb 10, 2013 at 11:30 PT PT

Reply-To: Icl-535@lcl.mechanicalmooc.org

To: Icl-535@lcl.mechanicalmooc.org

Hi everyone!

My name is Mary and I'm an insomniac.

I was excited to see this class because I'm fascinated with how people learn. I also want to learn some new skills and technology is changing so rapidly. It seemed like a good time to visit "how to learn virtually anything".

I have a BS in Computer Science but it's been a long time since I graduated. I love school but having to help support our family kept me from going further. Open source learning seems to be a way that people can overcome obstacles and jump right in. I'm honored to be able to take an MIT class and look forward to this experience.

Having said that, my dad lives three hours away and is struggling with serious health issues including COPD and lung cancer. I'm his only "kid" who doesn't have a day job so I take him to chemo and help with his care. I hope to be here consistently (thank God for laptops and hot spots even in hospital rooms) but may not be.

I look forward to reading your introductions.

Mary

[Quoted text hidden]

—

Mary

Pranav Pai <pranavpai14@gmail.com>

Sun, Feb 10, 2013 at 11:57 PT PT

Reply-To: Icl-535@lcl.mechanicalmooc.org

To: Icl-535@lcl.mechanicalmooc.org

Hi all!

My name is Pranav, and I'm currently a graduate student at Stanford University.

Besides a full workload, I'm also balancing 2 projects on the side. So when I heard about this course from MIT, I was intrigued enough to decide that this is something that could be very useful to me going ahead!

I'm looking forward to learning more about learning, and to hearing from everyone. If I'm slow to respond, it's only because I'm probably stuck in class!

Best,

—
Pranav Pai

[Quoted text hidden]

Tim Smolen <tsmolen@godlewskis.com>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 6:19 AM AI AI

Hello!

My name is Tim. I have a degree in Computer Science and have been programming embedded devices for sixteen years. I am also a husband, father and pilot.

I am interested in anything that'd help me learn more efficiently.

I'm not sure what to expect from this experience but I'm happy to be a participant.

-Tim

[Quoted text hidden]

Prachi Namjoshi <namjoshi.prachi6@gmail.com>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 6:39 AM AI AI

Hello,

My name is Prachi. I am a PhD student and work in cancer research. I am also a painter, reader, learner, traveler and an occasional cook to my frnds.. Since i am a full time student, i doubt how much i will be able to attend the live sessions. But i will do my best to participate and learn. If not a live chat, im just an email away.

Prachi

[Quoted text hidden]

jk <jack.kenigsberg@gmail.com>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 7:26 AM AI AI

I'm Jack, an English lit grad student and adjunct peon. I'm always looking for better ways to learn and better ways to teach.

Group G+ circle anyone?

- jack

On Mon, Feb 11, 2013 at 9:19 AM, Tim Smolen <tsmolen@godlewskis.com> wrote:

[Quoted text hidden]

Reno DeNada <reno.denada@gmail.com>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 7:34 AM AI AI

My name is Jan. I dropped out of highschool to hitch around the country and ride the rails. I am a Sr. Software Engineer at 3M in Austin Tx. Here is my linkedin

http://www.linkedin.com/in/promierview?uid=26496721&trk=tab_pro

[Quoted text hidden]

Joy <tekno1@swbell.net>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org
Cc: "lcl-535@lcl.mechanicalmooc.org" <lcl-535@lcl.mechanicalmooc.org>

Mon, Feb 11, 2013 at 10:51 AM AI AI

Reno DeNada <reno.denada@gmail.com>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 7:34 AI AI

My name is [redacted]. I dropped out of highschool to hitch around the country and ride the rails. I am a Sr. Software Engineer at 3M in Austin Tx. Here is my linkedin
http://www.linkedin.com/profile/view?id=20490721&trk=tab_pro
[Quoted text hidden]

Joy <tekno1@swbell.net>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org
Cc: "lcl-535@lcl.mechanicalmooc.org" <lcl-535@lcl.mechanicalmooc.org>

Mon, Feb 11, 2013 at 10:51 AI AI

> Hello,

I'm Joy in Austin, TX. My undergrad us in biology and masters in education. Currently taking a class and studying for a teaching certification in TX. I am Montessori certified to teach 6-12th grade.

Naga Deepak Chelluri <nagadeepakc@gmail.com>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 11:18 AI AI

Hey!

My name is Deepak and I am intending to major in Computer Engineering at the University of Virginia. In my free time, I am usually stuck doing homework, but when I take breaks I like to play ping-pong, go on photo walks, and just hang out with friends. I was first interested in this course from MIT when I saw "learn anything virtually." I am very curious and I have always had a passion to see how things work. I am excited to see what this course has to offer and get to know each and everyone one of you!

Shoot me a request on Facebook: <https://www.facebook.com/nagadeepak.chelluri>

Circle me on Google+: <https://plus.google.com/115577128280621634811/posts?hl=en>

Or just email me!

Regards,

Deepak

On Mon, Feb 11, 2013 at 1:51 PM, Joy <tekno1@swbell.net> wrote:

> Hello,

I'm Joy in Austin, TX. My undergrad us in biology and masters in education. Currently taking a class and studying for a teaching certification in TX. I am Montessori certified to teach 6-12th grade.

—
Naga Deepak Chelluri

Shamima Khan <shamima@radiantdesignstudio.com>
Reply-To: lcl-535@lcl.mechanicalmooc.org
To: lcl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 11:56 AI AI

Or just email me!

Regards,

Deepak

On Mon, Feb 11, 2013 at 1:51 PM, Joy <tekno1@swbell.net> wrote:

> Hello,

I'm Joy in Austin, TX. My undergrad is in biology and masters in education. Currently taking a class and studying for a teaching certification in TX. I am Montessori certified to teach 6-12th grade.

Naga Deepak Chelluri

Shamima Khan <shamima@radiantdesignstudio.com>

Reply-To: Icl-535@lcl.mechanicalmooc.org

To: Icl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 11:56 AM AI

Hi guys,

What an interesting bunch of people in this group. I'm a User Experience Designer with a background in Computer Science and Psychology. After working for a video game company I founded a design studio where we make mobile apps and games. I am looking forward to the course.

Warmly

Shamima

[Quoted text hidden]

—

Shamima Khan

Studio Director

(613) 823-0839

www.radiantdesignstudio.com

Check out our latest app at

www.learnplaydrive.com

Cori Grieb <cori.grieb@gmail.com>

Reply-To: Icl-535@lcl.mechanicalmooc.org

To: Icl-535@lcl.mechanicalmooc.org

Mon, Feb 11, 2013 at 12:04 PM PI

Hi Everyone,

My name is Cori and I live in Maryland. I'm in my 6th year working as a network admin with my 3rd employer. I love learning new things and always find the learning aspect of life to be the most fun and challenging. I found this class in one of the tech blogs I read and couldn't resist taking it. I suspect that the people running the class will learn just as much, if not more, about learning than we do. I received my BS from DeVry in Technical Management with specialization in Computer Security and received my Masters from UMB/C in Information Systems. This goes in with computer

				2013		
	Games without Chance: Combinatorial Game Theory Georgia Institute of Technology	Tom Morley	Mathematics and Statistics	25th Feb, 2013	7 weeks	Coursera
	Business Ethics for the Real World	Kirk O. Hanson	Business & Management	25th Feb, 2013	4 weeks	Canvas.net
	Aboriginal Worldviews and Education University of Toronto	Jean-Paul Restoule	Humanities	25th Feb, 2013	4 weeks	Coursera
	Women and the Civil Rights Movement University of Maryland, College Park	Dr. Elsa Barkley Brown	Humanities	25th Feb, 2013	12 weeks	Coursera
	Social Media	Maria H. Andersen, Ph.D.	Humanities	25th Feb, 2013	10 weeks	Canvas.net
	Introduction to Engineering Mechanics Georgia Institute of Technology	Dr. Wayne E. Whiteman	Science	25th Feb, 2013	5 weeks	Coursera
	Internet History, Technology, and Security University of Michigan	Charles Severance	Computer Science	1st Mar, 2013	13 weeks	Coursera

ding request...

Pat Pattison

Engineering



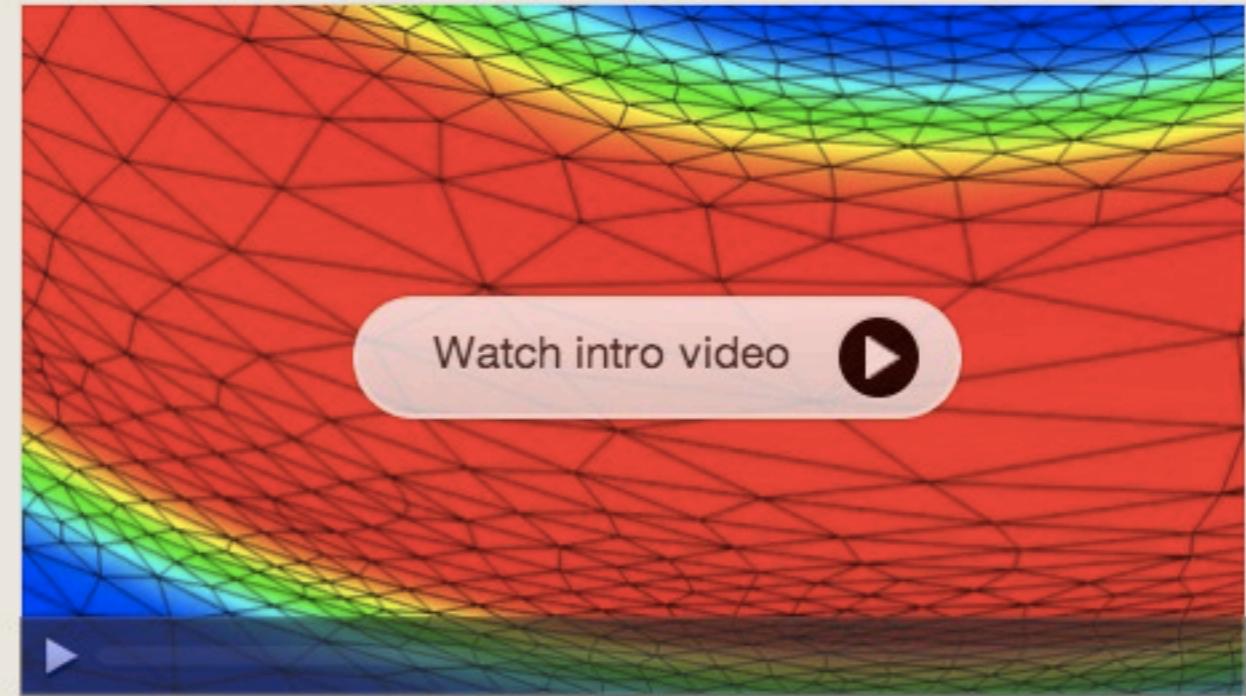
tip us, suggestions or comments?



Analyse Numérique pour Ingénieurs

Marco Picasso

Ce cours contient les 7 premiers chapitres d'un cours donné aux étudiants bachelor de l'EPFL. Il est basé sur le livre "Introduction à l'analyse numérique", J. Rappaz M. Picasso, Ed. PPUR. Des outils de base sont décrits dans les 5 premiers chapitres. Les deux derniers chapitres abordent la question de la résolution numérique d'équations différentielles.



Sessions:

Feb 18th 2013 (7 weeks long)

[Sign Up](#)

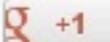
27

6

95



Tweet



+1



Like

Charge de travail: 4-6 hours/week

À propos du cours

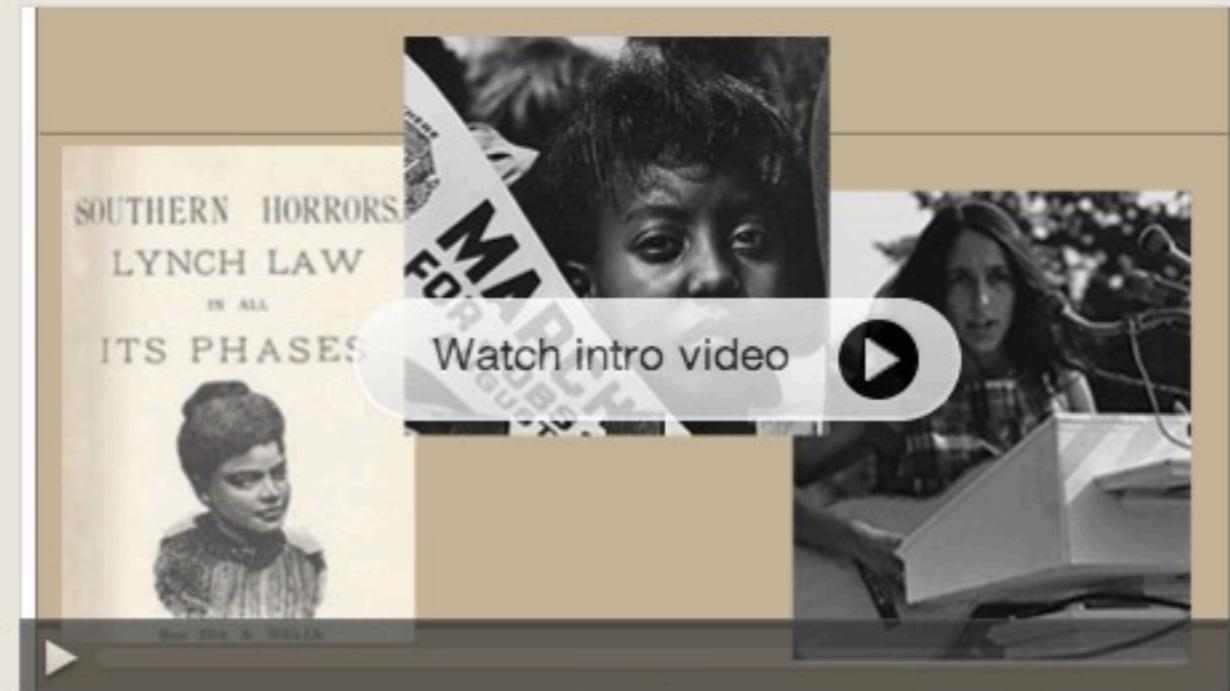
Reading request...



Women and the Civil Rights Movement

Dr. Elsa Barkley Brown

Learn about women's roles in the U.S. civil rights struggles of the 1890s to the 1990s.



Next Session:

Feb 25th 2013 (12 weeks long)

[Sign Up](#)

240

50

2.2k

[Tweet](#)

[+1](#)

[Like](#)

Workload: 8-10 hours/week

About the Course

This course examines the U.S. civil rights movement from the vantage point of women, considering both women's involvement in the legal campaigns and political protests and the impact of civil rights struggles on women's status and identity. Taking a "long civil rights movement" perspective, we begin in the late nineteenth century and consider events, organizations, and personalities through the twentieth century.

Throughout we will consider issues which have preoccupied historians, social movement theorists, and historians alike: developing and sustaining

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Class Central

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Class Central is a free online course aka MOOC aggregator from top universities like Stanford, MIT, Harvard, etc. offered via Coursera, Udacity, edX, Canvas Network, & others [Learn More](#)

Recently started or starting soon (42) Just Announced (11) Courses in Progress (100) Future courses (190) Self Paced (21)
Finished courses (107)

Get the latest updates Five Coursera courses receive college credit recommendations
List of Programming/CS courses that you can start this month (February 2013). Courses have been organized by difficulty level

tip us, suggestions or comments?



Internet History, Technology, and Security

Ended 4 months ago

You did not earn a statement of accomplishment.

[View grade for this course here.](#)

Jul 23rd 2012

13 weeks long

[View class archive](#)

[View course info](#) | [Un-enroll](#)



Securing Digital Democracy

Ended 4 months ago

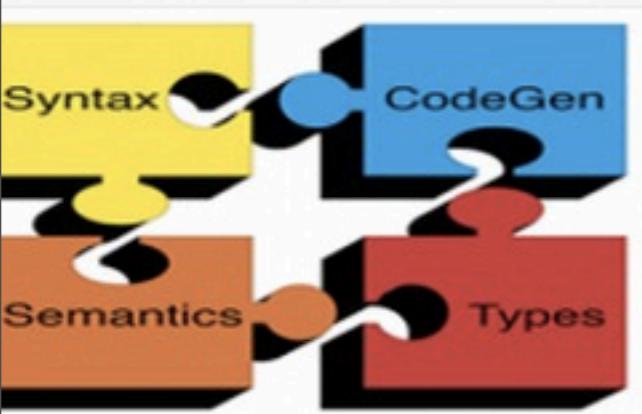
You did not earn a statement of accomplishment.

Sep 3rd 2012

5 weeks long

[View class archive](#)

[View course info](#) | [Un-enroll](#)



Compilers

Ended 2 months ago

You did not earn a statement of accomplishment.

[View grade for this course here.](#)

Oct 1st 2012

11 weeks long

[View class archive](#)

[View course info](#) | [Un-enroll](#)

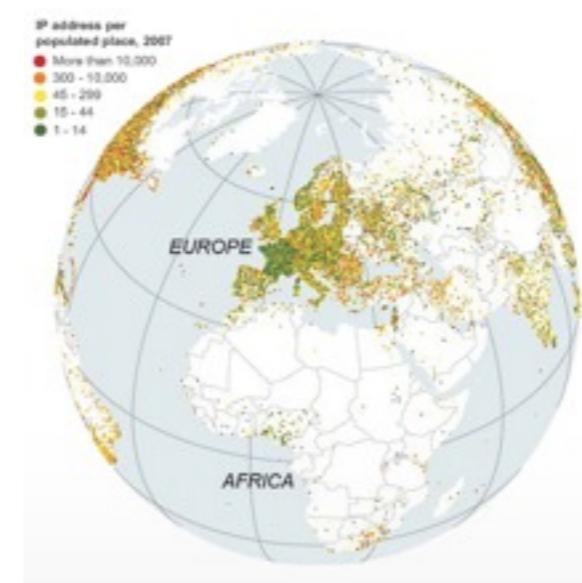
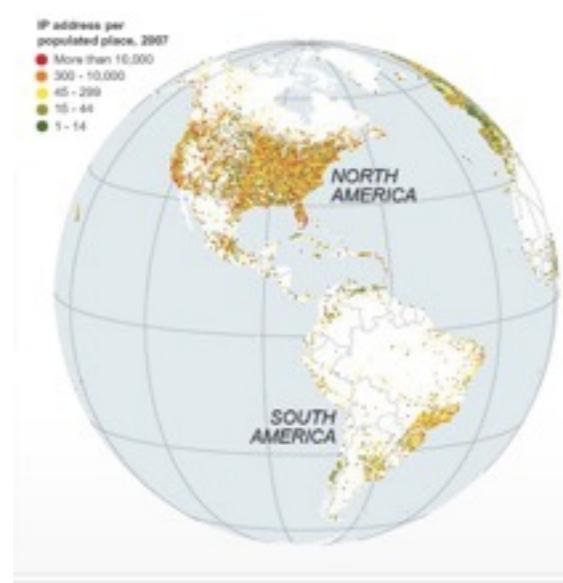


6. BARRIERS

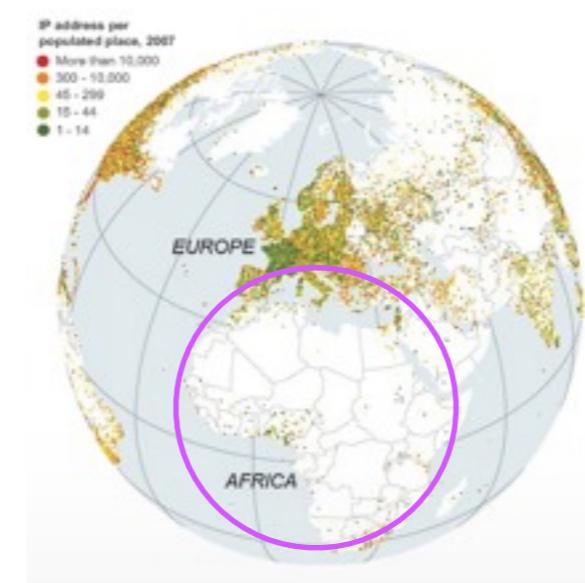
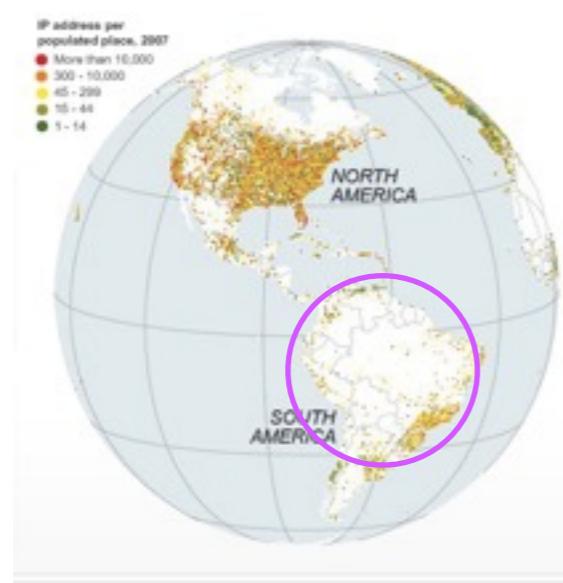
internet penetration
34.3 %

Growth 2000-2012
566.4 %

Internet connectivity in the world



Internet connectivity in the world



7. MOTIVATION

- 1 Enrolled (clicked “sign me up”): 53,205
- 2 Watched a video: 53% of those who enrolled
- 3 Took a quiz: 26% of those who enrolled
- 4 Submitted first homework: 12% of those who enrolled
- 5 Completed the course:
 - 1 4.8% of those who enrolled
 - 2 18% of those who took a quiz.
 - 3 39% of those who submitted the first project.

<http://augmentedtrader.wordpress.com/2013/01/06/about-mooc-completion-rates-the-importance-of-investment/>

Treasured



Neglected

Boring Future

Enjoyable Future