WHAT IS HARVARDX:

HarvardX is a University-wide strategic initiative enabling faculty to create open, online courses for on campus and global learners and advancing research in the learning sciences.

Cover photo and above: HarvardX’s course creation team travels the globe to give learners an authentic understanding of our world’s most topical issues and pressing concerns. Above, HarvardX Videographer Kevin Belli (right) places a mic on Dr. Fidel Rubagumya of the Butaro Hospital in Rwanda as he prepares for an interview with Dr. Paul Farmer (left), Harvard’s Kolokotrones University Professor, for the HarvardX course “Global Health: Case Studies from a Biosocial Perspective.” HarvardX Media Production Assistant Morgan LaForge also filmed in rural Rwanda (cover photo) for the course.
Greetings from HarvardX.

After four years of us exploring online learning, I am pleased to say that HarvardX’s faculty-driven approach continues to distinguish what we do among open online learning experiences. We span the intellectual breadth and depth of Harvard’s Schools, and leverage the University’s role as a world leader in liberal arts and sciences education.

HarvardX has attained organizational maturity, and our strategic priorities reflect the opportunities for faculty and students that we help create within the University and the broader online learning community. HarvardX continues to have a strategic focus on:

• Bringing the best of Harvard to lifelong learners by co-developing premium online courses with our faculty and showcasing institutional resources such as our libraries, museums, and laboratories

• Leveraging our One Harvard role to support school priorities, including the re-use of HarvardX content and approaches in residential courses across campus

• Pursuing teaching and learning innovations that have the greatest likelihood of a broad impact on campus and online

In the pages that follow, we invite you to learn more about HarvardX’s goals, courses, learners, and research.

Best,

Robert A. Lue
Faculty Director, HarvardX
Professor of the Practice of Molecular and Cellular Biology, Harvard University

Explore Our Courses:
Online Learning Portal: online-learning.harvard.edu
HarvardX on edX: edx.org/school/harvardx

Stay Connected:
harvardx.harvard.edu

Follow us on Twitter and Facebook
@harvardonline
IT'S ALL ABOUT THE “THREE R’S”

HarvardX develops premium open online learning experiences that:

- **REACH** global learners
- Enhance on campus **RESIDENTIAL** teaching and learning
- Create opportunities for learning sciences **RESEARCH**

**REACH:**
The HarvardX program and courses—offered by dozens of educational institutions and teacher networks across the globe—connect and extend learning around the world.

**RESIDENTIAL:**
HarvardX content and tools are being re-used in over twenty degree and professional education courses and helping upgrade University capabilities to benefit on campus learning.

**RESEARCH:**
HarvardX course data serves as the foundation for extensive research activities, including cross-institutional collaborations, over 100 articles and working papers, and new faculty research projects.

Above: Karen L. Mapp (above), Ed.D., Harvard Graduate School of Education Senior Lecturer on Education and Faculty Director of the Education Policy and Management Program, records an interview for her 2016 HarvardX course: “Introduction to Family Engagement in Education.”
FOCUS ON REACH: Global Partnerships and Impact

120 campus visits from national and regional delegations from 36 countries

Since 2013, HarvardX has hosted 120 visits from national and regional delegations from 36 countries to consult on online learning, courses, and how HarvardX does its work. Below, HarvardX Instructional Development Associate Director Annie Valva leads one of many tours through HarvardX’s studios for visiting guests.
HarvardX course content and digital tools aren’t just improving online learning, they are being utilized by Harvard to upgrade University capabilities and benefit teaching and learning on campus. HarvardX has collaborated with over two-dozen Harvard libraries and museums—offering new digital content derived from library collections often re-used in on campus classes.

HarvardX collaborations with Harvard libraries and museums adding new digital content derived from library collections for use in on campus classes.

HarvardX digital tools enabled creation of Harvard Library’s primary digital image viewer, Mirador, now used throughout the University. The Mirador project allows discovery and exploration of images scattered throughout the world using a single interface.
As HarvardX continues to offer the greatest breadth and depth of liberal arts and sciences courses anywhere online, HarvardX learners continue to interact more deeply with each other and course material.

Learner engagement increased during HarvardX’s Year 3 (June 2015–May 2016) compared to HarvardX’s Year 2 (June 2014–May 2015) in a number of key areas:

- **Discussion forum reads** – 34% ↑
- **Discussion forum posts** – 44.5% ↑
- **Attempts to solve problems (assessments)** – 136.6% ↑

“HarvardX learners are engaging more, with a richer array of content (discussions, video, and assessments), than ever before.”

—Dustin Tingley, Faculty Director, Vice Provost for Advances in Learning (VPAL) Research Team, Harvard University

Visit [HarvardX Insights](http://harvardx.harvard.edu/insights) for additional data on learners compiled by VPAL research.
CORE ISSUES OF HARVARDX COURSE DEVELOPMENT

Above: A course development team, comprised of HarvardX and Harvard Humanitarian Initiative staff, worked with a wide range of distinguished and experienced Harvard faculty and practitioners to produce the summer 2016 offering: “Humanitarian Response to Conflict and Disaster.”

HarvardX’s course development focuses on effective collaboration that produces results at scale. When building a course, HarvardX emphasizes co-production with faculty; shared workflow within HarvardX’s course teams; and a focus on experimentation, iteration, and generalization.

HarvardX course selections and HarvardX Faculty Committee deliberations are informed by the following principles:

**Impact:**
Bringing Harvard expertise to a topic or discipline, and the potential benefit of the course materials to learners on campus and online.

**Disciplinary Coverage:**
Representing the full disciplinary breadth and depth of Harvard, which includes subjects not typically available online.

**Quality:**
Addressing the proposed learning goals and material in a high-quality way that maximizes the online mode.

**Harvard Rigor:**
Maintaining rather than lowering academic standards as we engage learners around the world.
ENHANCING LEARNER ENGAGEMENT

HarvardX is always working to create greater opportunities for our learner community to engage with course material and others in meaningful ways:

**EDX CERTIFICATES:**
Offering identity-verified certificates across the widest range of liberal arts and sciences courses online.

**HARVARDXPLUS:**
Offering fee-based, limited enrollment courses for deeper assessment and engagement.

**INSTITUTIONS:**
Providing institutional licensing of individual courses and collections of HarvardX courses.

**HARVARD SCHOOLS AND PROGRAMS:**
Optimizing free use of HarvardX content within degree programs and creating new, tuition-based, non-degree courses.
Expand Access to Education Worldwide

To date, developed and delivered **82+** courses, some with multi-language captions

Brought the best of Harvard to **193** countries

**65%** of our learners are outside the U.S.

Improve Teaching & Learning on Campus

Enabled hybrid learning in over a dozen residential courses and created high-quality content for faculty use in on campus courses

Developed new technologies, annotation, manuscript viewers, and timeline tools that can benefit residential students

Advance Our Understanding of Teaching and Learning Through Research

Built a publicly accessible collection of real-time, interactive data visualizations for the learners who have enrolled in a HarvardX course

Analized **700M+** clicks and **6.7M** learner hours across **137** course offerings

(all information as of August 2016)
HARVARDX
BY THE NUMBERS
(AS OF AUGUST 2016)

120+
Harvard faculty supported (as leads) at 10 Schools

300+
Individuals (faculty, undergraduates, graduates, technologists) engaged at any one given time in developing content, conducting research, or blending courses

82+
Open courses published to date

7
Small Private Online Courses produced

20+
Blended on campus courses using HarvardX materials

110,000+
Course certificates earned

2
Major benchmark reports on MOOC learner demographics and behavior (co-authored by MITx), setting standards for MOOC and online learning research

100+
HarvardX-related research publications produced by VPAL Research (including journal articles, conference proceedings, op-eds, and others, many in collaboration with MIT)

4M+
Course registrations

1.47M+
Unique course participants
Thanks to all of the faculty, learners, researchers, staff, and University leaders that make HarvardX possible.