Open Learning Initiative (OLI)

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What is OLI?

- Complete courses (textbook replacement) and supplemental materials

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- Carnegie Mellon University team
  “Courses by higher ed. for higher ed.”
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- Content authoring or customization (Echo)
Results:

Two decades of diverse studies show the effectiveness of the OLI approach:

• up to 6x the learning, in ½ the time, with improved knowledge retention and transfer

• Closing traditional gaps, particularly in underrepresented populations

• Iterative improvement shows better outcomes over time
Extensive Partnership w/ MD Institutions

Co-Development
- Statistical Reasoning
- Probability & Stats
- Intro Biology
- Biology for Majors
- Anatomy & Physiology
- Psychology

TAACCCT Development
- STEM Readiness
- STEM Foundations
- PC Hardware (A++/CompTIA)
- PC Software (A++/CompTIA)
- Mechatronics Pathway
- Environmental Pathway
- Cyber Pathway
- Composites Technology
- Electric Vehicle Technology

Extensive Use
- French
- Spanish
- Chemistry I and II
- Chemistry Labs
- Principles of Computation
- Cloud Computing
- Collaboration, Conflict Management
- Healthcare IT
- Logic & Proofs

Cooperative Research
- Ithaka S+R Statistics Trials
- Doer Effect Research
- Internal Research
- Current MOST
For USMD instructors and students

- Get started quickly
- Single sign-on in your LMS
- Support directly from OLI Support
- Weekly workshops: oli.cmu.edu/events

GET STARTED
oli.cmu.edu/courses
A little context...
A little context...

- Conceived in 2001
- Research-and-production project answering the question:
A little context...

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  What works in online instruction?
OLI course design

This is what works in online instruction:

• Student-centered learning objectives
OLI course design

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• Learning by Doing: embed practice early and often
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This is what works in online instruction:

• Student-centered learning objectives
• Learning by Doing: embed practice early and often
• Immediate, targeted feedback addresses misconceptions
• Collect data to enable instructors to help students, and for iterative improvement of content
Get started or get in touch

Course catalog: [https://oli.cmu.edu/courses](https://oli.cmu.edu/courses)

Get started: 
[https://oli.cmu.edu/educators/#get_started](https://oli.cmu.edu/educators/#get_started)

Get in touch: 
[oli-help@cmu.edu](mailto:oli-help@cmu.edu)
[hturner@cmu.edu](mailto:hturner@cmu.edu)