



The LearningOnline Network with CAPA





LON-CAPA



Developed by Educators for Educators

**Sharing Interactive, Online Resources for
Learning and Assessment, across Institutions and Disciplines**

This Free, Open-Source, Distributed, Learning Content Management System ...

-  has one of the most powerful assessment engines available
-  puts a large content library at your fingertips
-  lets you use the same content in multiple ways
-  has led the way in online learning and assessment since 1992

Course management systems are becoming ubiquitous in today's educational world. You might use one as well. However, does your system also provide content that adds value to the learning process of your students? **Where would you get suitable content from, apart from creating it all laboriously by yourself?**

LON-CAPA is far more than a course management system. Most importantly for its users at more than 150 institutions worldwide, it is a system providing learning content and assessment functionality. As of today, LON-CAPA is a category by itself: LON-CAPA is a **free open source distributed learning content management and assessment system**.

Assessment

LON-CAPA is best known for its powerful grading engine which can be used to assign homework providing

immediate feedback to your students. Besides homework assignments it supports all types of assessments like drill & practice or exams.

State a function $y(x)$ with constant slope which passes through the point (5, 3).

$y(x) =$

The function you have provided does not pass through the point (5, 3). The function you have provided does not have constant slope.

Incorrect. Tries 1/3 Previous Tries

Besides providing your students with immediate feedback LON-CAPA also provides you as an instructor with immediate feedback about which concepts have already been mastered by your students or which ones they are struggling with.

Learning content

LON-CAPA gives you free access to more than 300 000 electronic educational resources including about 150 000 electronic problems. LON-CAPA problems are typically randomized. So each student in your course will get an individual version of the problem to work on, differing for instance by the numerical values used in the problem.

State a function $y(x)$ with constant slope which passes through the point (5, 3).

$y(x) =$

Submit Answer Tries 0/3

State a function $y(x)$ with constant slope which passes through the point (-1, -2).

$y(x) =$

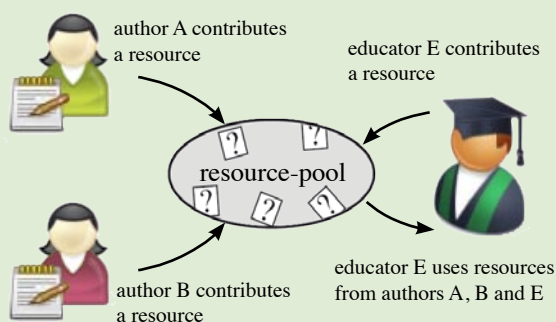
Submit Answer Tries 0/3

Currently, LON-CAPA enables you to use about 30 **different problem types** ranging from traditional multiple choice questions to advanced problems to be answered by using a mathematical formula or a diagrammatic representation of a chemical compound. Even for the latter problem types students' answers are graded automatically and reliably.

Also some text book publishers offer end-of-the-chapter problems of their texts as LON-CAPA problems.

Distributed content sharing

Creating learning materials is a large investment in time and funds. LON-CAPA's answer to limited time and financial resources is content sharing. Each resource created by any member of the network is infinitely reusable by any other member of the network, thus allowing for collaborative content creation and usage across a single or multiple institutions.



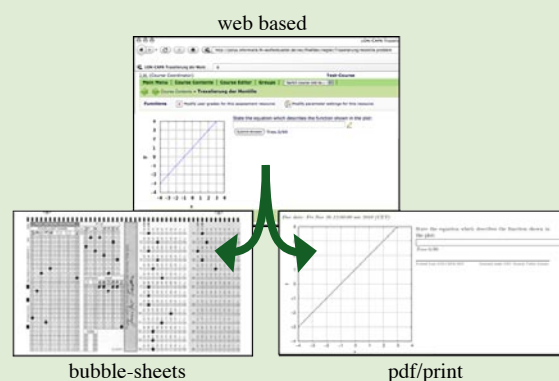
Free and open source

LON-CAPA is a web based system running on software which is completely open source and free. This has been made possible by the growing community of LON-CAPA users.

Flexible usage

LON-CAPA allows you to tailor its content according to your needs. Various parameters (like due dates, number of tries, whether or not to provide hints) can be set individually for courses, sections within a course or even single users.

Although LON-CAPA is web based it allows you to use content in multiple ways. For instance, you can easily convert web based electronic problems into high quality print, electronic pdf-forms, or exams.



Pedagogy

LON-CAPA is not tied to a particular teaching paradigm. However, many instructors use the system for feedback and adjust their lessons to the needs they identified while observing their students doing electronic homework assignments. Also users of LON-CAPA cherish the possibilities it offers to create interactive teaching and learning experiences.

Technical requirements

LON-CAPA has been designed for a minimum of system administration effort. LON-CAPA is highly scalable and proven to be machine-room-ready. It integrates well into campus IT infrastructure, even with legacy systems. To install LON-CAPA you need a minimal installation of Linux, the LON-CAPA release as well as some additional packages automatically provided by LON-CAPA.

Further information

If you want to learn more about LON-CAPA or want to join the network, please visit

www.loncapa.org

And yes, LON-CAPA is for free for academic institutions. We believe in content sharing and have made it a reality, since 1992.

