

Low cost | Simple to Adopt | High academic ownership

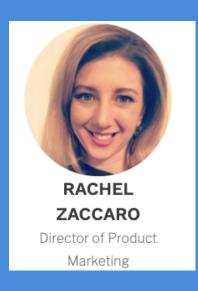
Paul Golisch – Lumen Learning





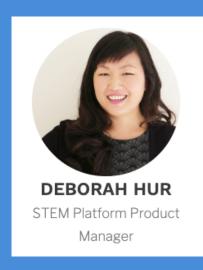
West

Who is at ORMATYC?





Paul Golisch
Math Specialist





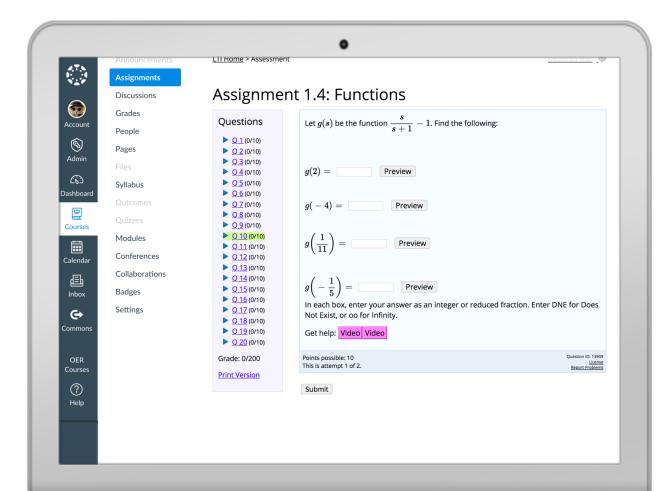
Sean Gannon
Course Product Manager
Math

What are some challenges you face teaching math?



What are some challenges you face when changing courseware?





Seamless LMS Integration

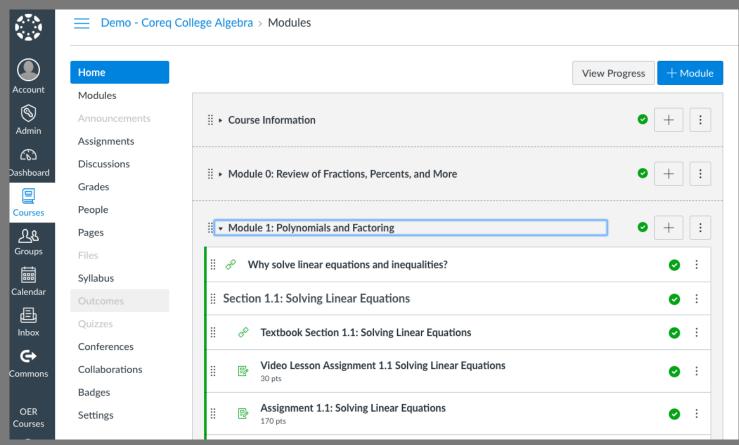
Easy set-up

Single sign-on

Automatic grade return

Supported systems: Blackboard, Canvas, D2L Brightspace, Moodle

Template Courses Include Textbooks, Videos, Assessments and More



OHM Pricing & Payment Options

Payment Model	Standard pricing per student using OHM			
Course Fee (collected by institution, per enrollment)	\$25			
Direct-to-Lumen Payment (collected by Lumen, per enrollment)	\$25			
Bookstore Activation Code (per enrollment)	\$25*			
Follett includED (streamlines course fee)	\$25			
Annualized Fee (per institution, pre-paid)	Negotiated based on current and projected usage			

^{*}Campus stores may add additional markup; this is left to discretion of institutions



Learning Impact with Lumen OHM

SLCC achieved massive impact after putting OER options in place for all Quantitative Literacy pathway courses for fall 2017, using Lumen OHM

Results based on fall 2016 to fall 2017 completion rates with 6,423 students enrolled in pathway courses and 7,500 enrolled in OER courses during fall 2017.

7,500 students using Lumen OHM in fall 2017

\$700K textbook cost savings

+22%

quantitative literacy pathway completion compared to fall 2016

Quick Course Set-up in Lumen OHM

Choose a customizable template course

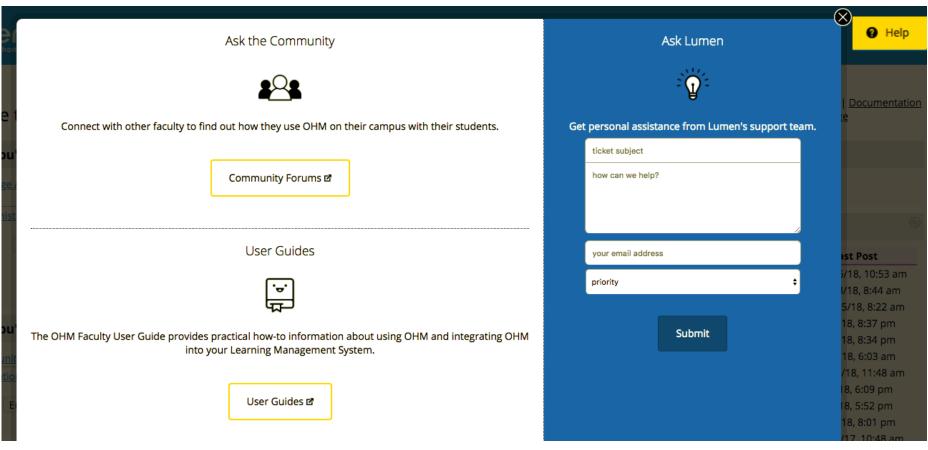
Review & adjust content to align with your course

Adjust due dates and settings to suit your course

Get help at any point from Lumen support

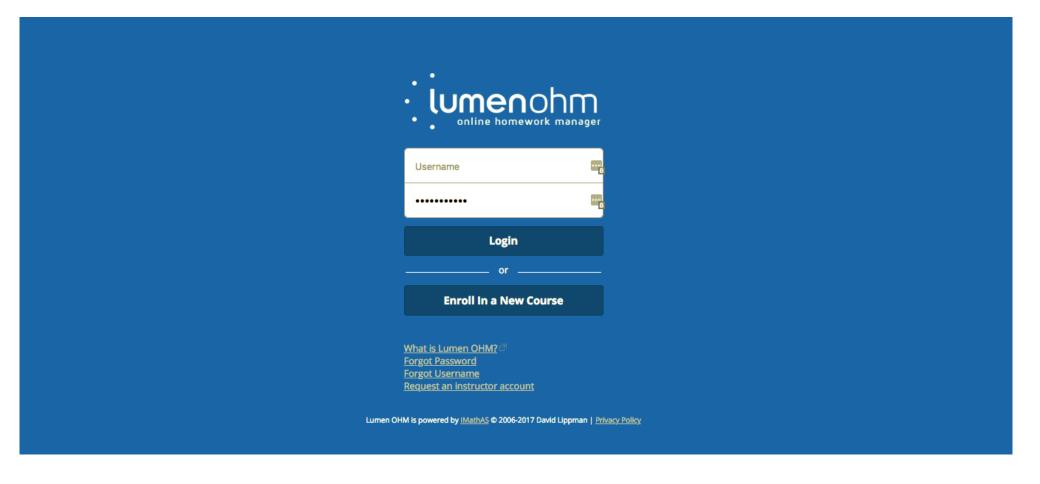
Help is only a Click Away!



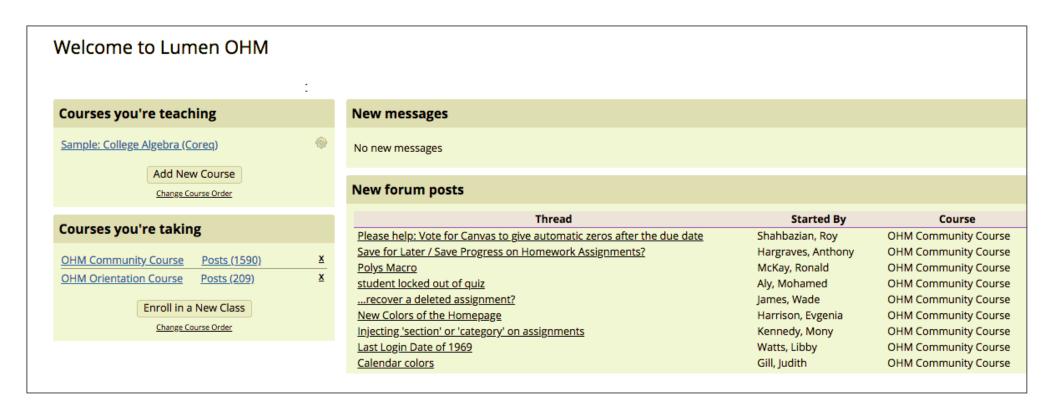


Inside an OHM course OER online homework platform "Physics is Phun" (goo.gl/Qg9cfF) by ShashiBellamkonda is

Logging in to OHM



OHM Home Page



Adding a Course to an Account



Home > Add New Course

Add New Course

How would you like to start this course?

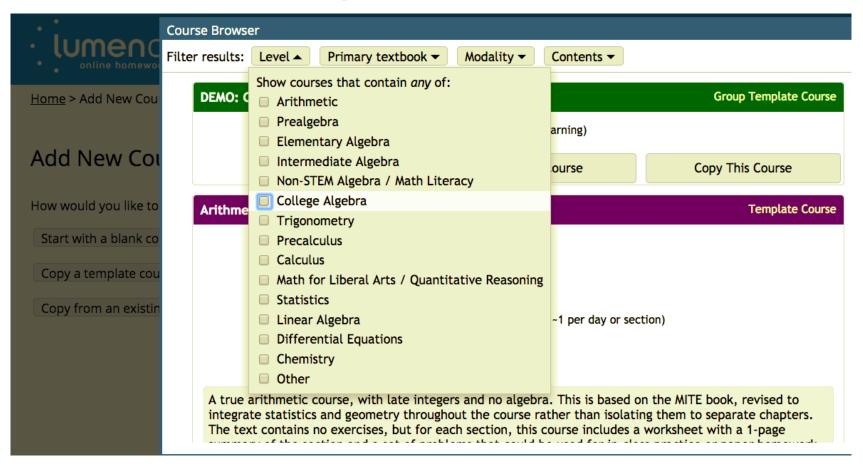
Start with a blank course

Copy a template course

Great place to start!

Copy from an existing course

Template Courses

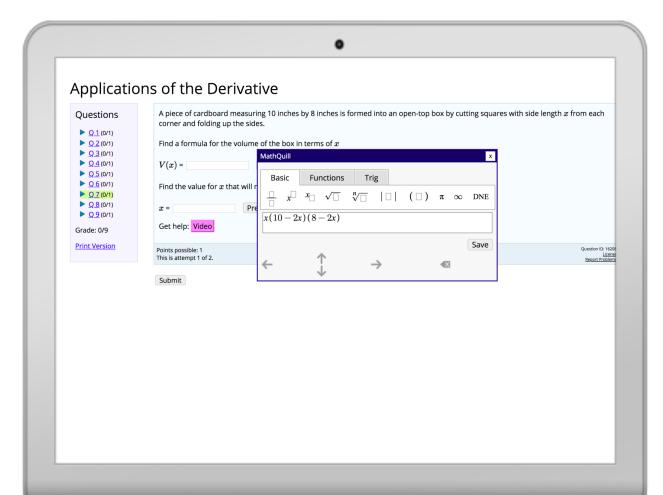


Quickly Rearrange Course Content

Use icons to drag-and-drop order. Click the icon next to a block to expand or collapse it. Click an item title to edit it in place. Save Changes

Bb College Algebra Demo (Paul)

Collapse All Expand All Course Information Modify | Delete | Copy | NewFlag 📉 Lesson 0 - Intro to Lumen OHM Questions | Settings | Delete | Copy | Grades Module 0: Review of Fractions, Percents, and More Modify | Delete | Copy | NewFlag Module 1: Polynomials and Factoring Modify | Delete | Copy | NewFlag Module 2: Radicals and Inequalities Modify | Delete | Copy | NewFlag Module 3: Relations and Functions Modify | Delete | Copy | NewFlag Module 4: Quadratic Equations and Functions Modify | Delete | Copy | NewFlag Module 5: Polynomial and Rational Functions Modify | Delete | Copy | NewFlag Why learn about polynomials? Modify | Delete | Copy Section 5.1: Polynomial Functions Modify | Delete | Copy | NewFlag Section 5.2: Polynomial Equations Modify | Delete | Copy | NewFlag Textbook Section 5.2: Polynomial Equations Modify | Delete | Copy 📉 Video Lesson Assignment 5.2: Polynomial Equations Questions | Settings | Delete | Copy | Grades Massignment 5.2: Polynomial Equations Questions | Settings | Delete | Copy | Grades Section 5.3: Rational Expressions and Functions Modify | Delete | Copy | NewFlag Section 5.4: Rational Equations Modify | Delete | Copy | NewFlag Section 5.5: Applications of Rational Equations Modify | Delete | Copy | NewFlag Module 5 Review Assignment (33 questions) Questions | Settings | Delete | Copy | Grades Module 5 Test (20 questions) Questions | Settings | Delete | Copy | Grades Module 6: Inverse, Exponential, and Logarithmic Functions Modify | Delete | Copy | NewFlag

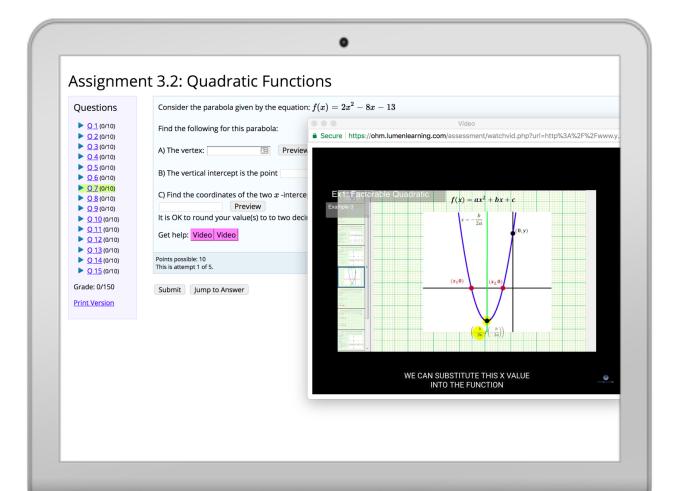


Online Homework System

Large bank of teachercreated questions

Many question types

Algorithmicallygenerated problems



Enriched OER Content

Instructional text (incl. editable text options)

Video lessons and tutorials

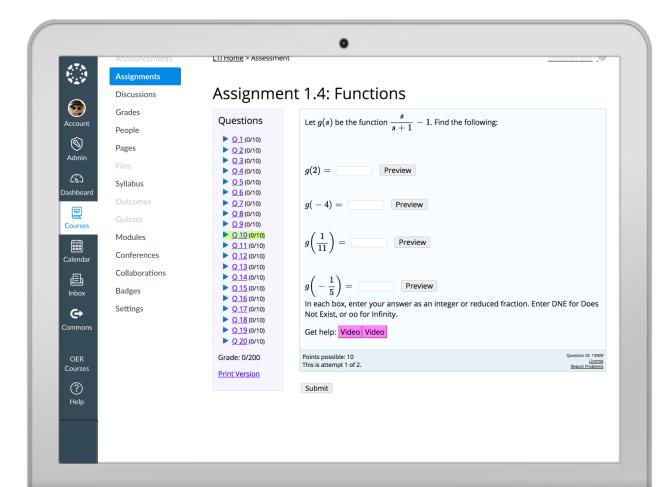
Huge, teacher-created question bank

Possible to include hints, directed feedback

Question Libraries	Number of Questions		
Arithmetic/Pre-Algebra	3,200+		
Algebra	10,400+		
Trigonometry	2,600+		
Calculus	3,100+		
Differential Equations	580+		
Math for Liberal Arts / Quantitative Reasoning	990+		
Linear Algebra	190+		
History of Math	260+		
Statistics	2,800+		

Supported Question Types

number, calculated number, multiple choice, multiple answer, matching, function, string, essay, drawing, N-tuple, calculated N-tuple, numerical matrix, calculated matrix, interval, calculated interval, complex, calculated complex, file upload, multipart, conditional



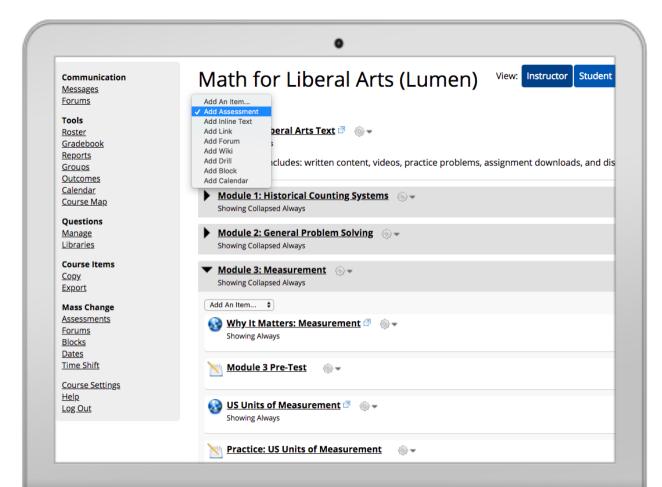
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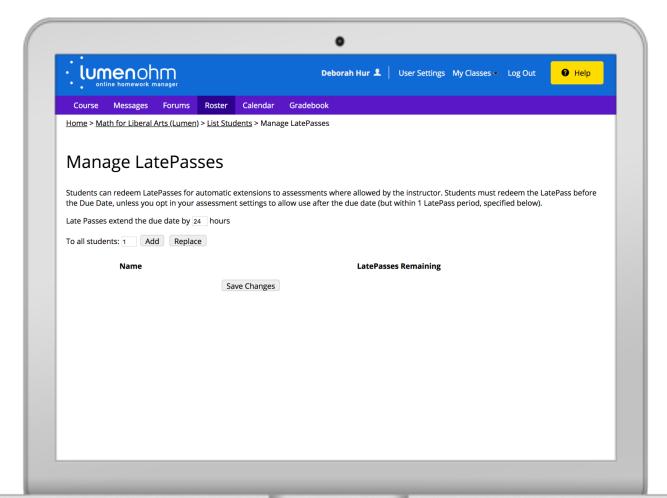


Customizable Course Design

Curated courses make an easy starting point

Customize activities, questions, assessments

Align to fit learning outcomes, term length, student needs, etc.



Teacherrequested Bells & Whistles

LatePass option for assignments

Easy time shift to mass-update assessments

Time exception multiplier

Why choose Lumen OHM over traditional publishers or other OER options?

Key Features	Lumen OHM	MyOpen Math	MyLabs	Web Assign
Low cost: ≤\$25 for text+online homework	✓	✓		
Create and customize OER content	\checkmark	✓	(✓)	(✓)
Robust system with algorithmic assessments	✓	✓	✓	✓
Faculty support: Onboarding, training, help	✓		✓	✓
Supported LMS integration with grade return	✓		✓	1
Professionally maintained enterprise solution	✓		✓	✓
Admin & support for wide-scale adoption	✓		✓	✓
Maintain your own version control	✓	✓		
Curated, customizable template courses	✓	(✓)	✓	1
Easy peer-to-peer sharing of courses, assessments, content, innovation	✓	✓		

What learning impact are institutions seeing with Lumen OHM?



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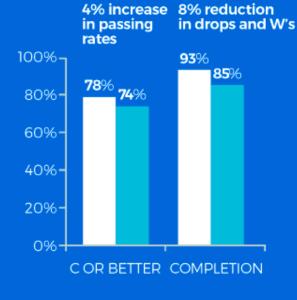
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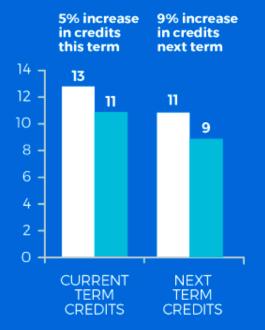
Lumen OER improves student success.

Students perform as well or better in sections using OER.

RESEARCH: LUMEN OER IMPROVES PASSING RATES IN MULTIPLE SUBJECTS







SAMPLE: 4,909 open course students, 11,818 traditional course students, 50 different undergraduate courses, 130 teachers, 8 institutions in 2014-2015 academic year.

METHOD: Quasi-experimental design with: Propensity Score Matching, Post Test Only.

DEPENDENT VARIABLES: Completion; C or Better; Credits Enrolled This Term; Next Term, Independent variable: Textbook condition, 3 covariates: including age, gender, and race.

SOURCE: Published in the Journal of Computing in Higher Education https://link.springer.com/article/10.1007/s12528-015-9101-x/fulltext.html

Next Steps

Explore Lumen OHM

Check out Lumen OHM at ohm.lumenlearning.com

Request a <u>Lumen OHM instructor account</u>

View recommended courses via our Course Catalog: lumenlearning.com/courses

How to learn more or adopt a course

- Use forms on any course page in the catalog
- Email info@lumenlearning.com
- Request a demo
- Visit <u>lumenlearning.com</u>

Leaders in learning innovation choose Lumen































Thank you.

