# The Power of Open Content: Designing Low Cost, Highly Effective Math Courses

Low cost | Simple to Adopt | High academic ownership

Paul Golisch – Lumen Learning

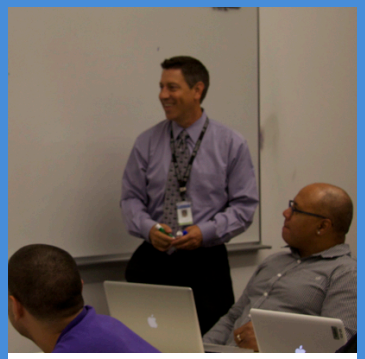


lumen

# Who is at ORMATYC?

**SARA SWANGARD**
Executive Director, West

**RACHEL ZACCARO**
Director of Product Marketing



Paul Golisch
Math Specialist

**DEBORAH HUR**
STEM Platform Product Manager

Sean Gannon
Course Product Manager Math

What are some challenges you face teaching math?

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What are some challenges you face when changing courseware?

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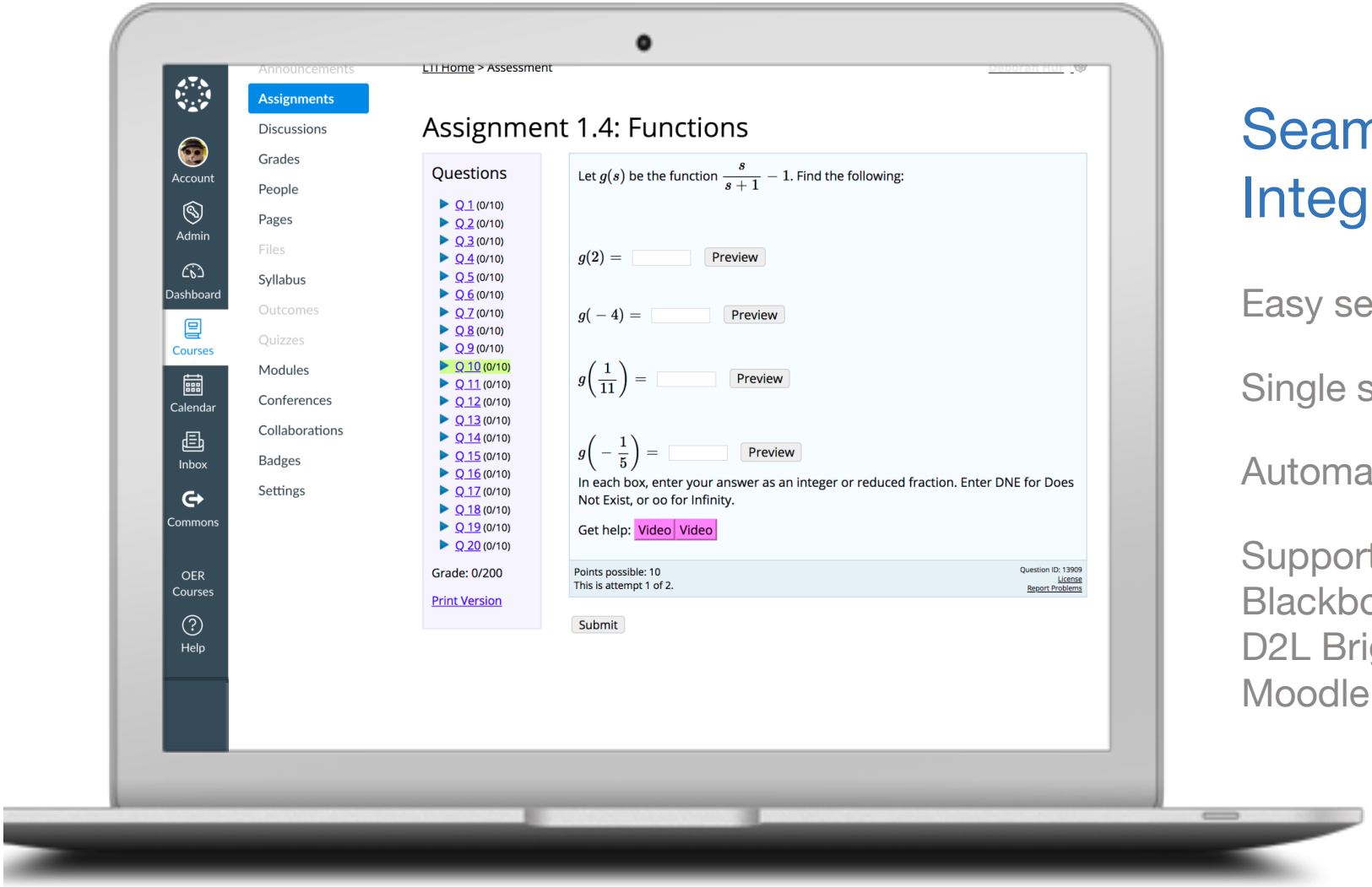



# Seamless LMS Integration

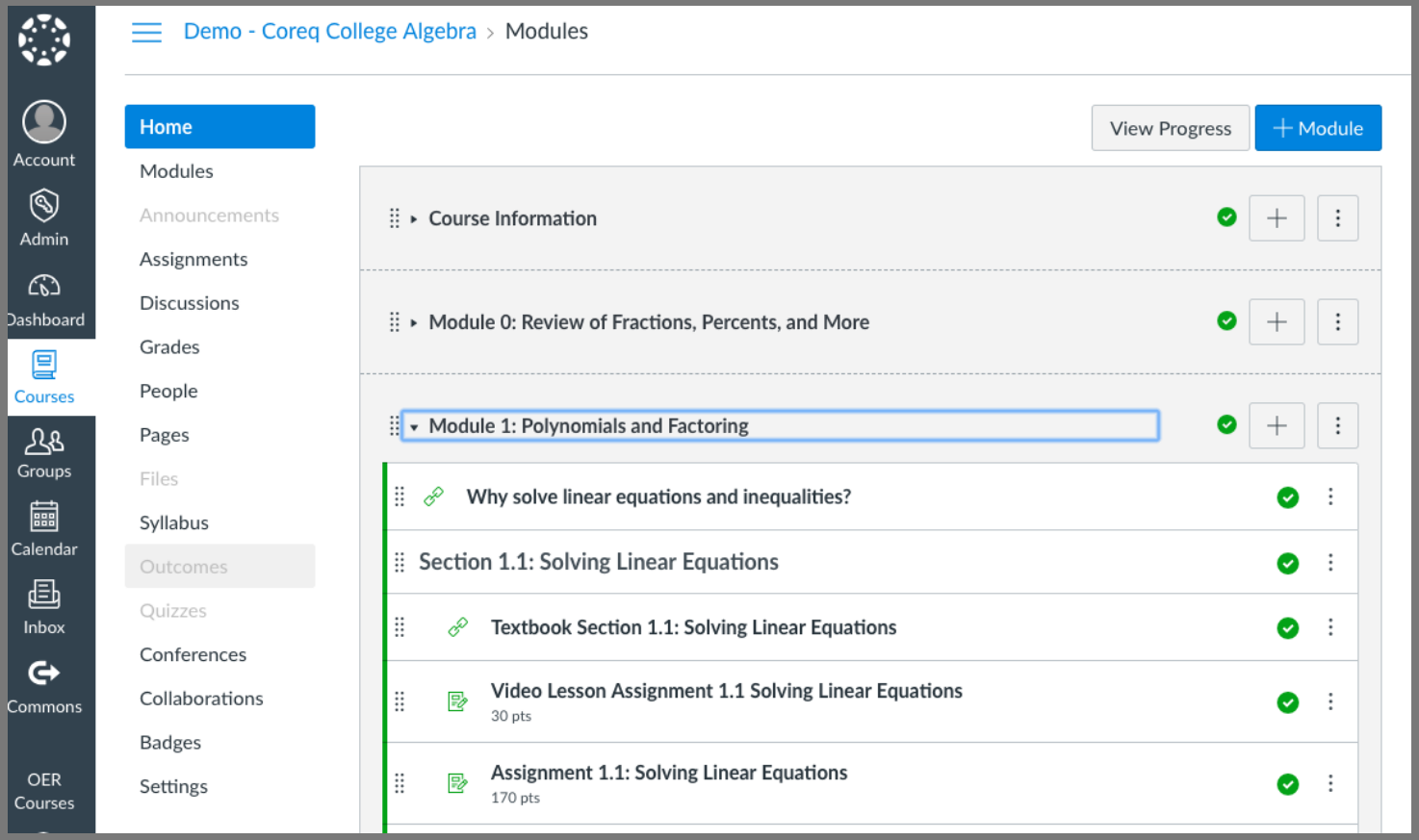
Easy set-up

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<br>(collected by institution, per enrollment) | $25 |
| Direct-to-Lumen Payment<br>(collected by Lumen, per enrollment) | $25 |
| Bookstore Activation Code<br>(per enrollment) | $25* |
| Follett includED<br>(streamlines course fee) | $25 |
| Annualized Fee<br>(per institution, pre-paid) | Negotiated based on current and projected usage |

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

Salt Lake Community College

# 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

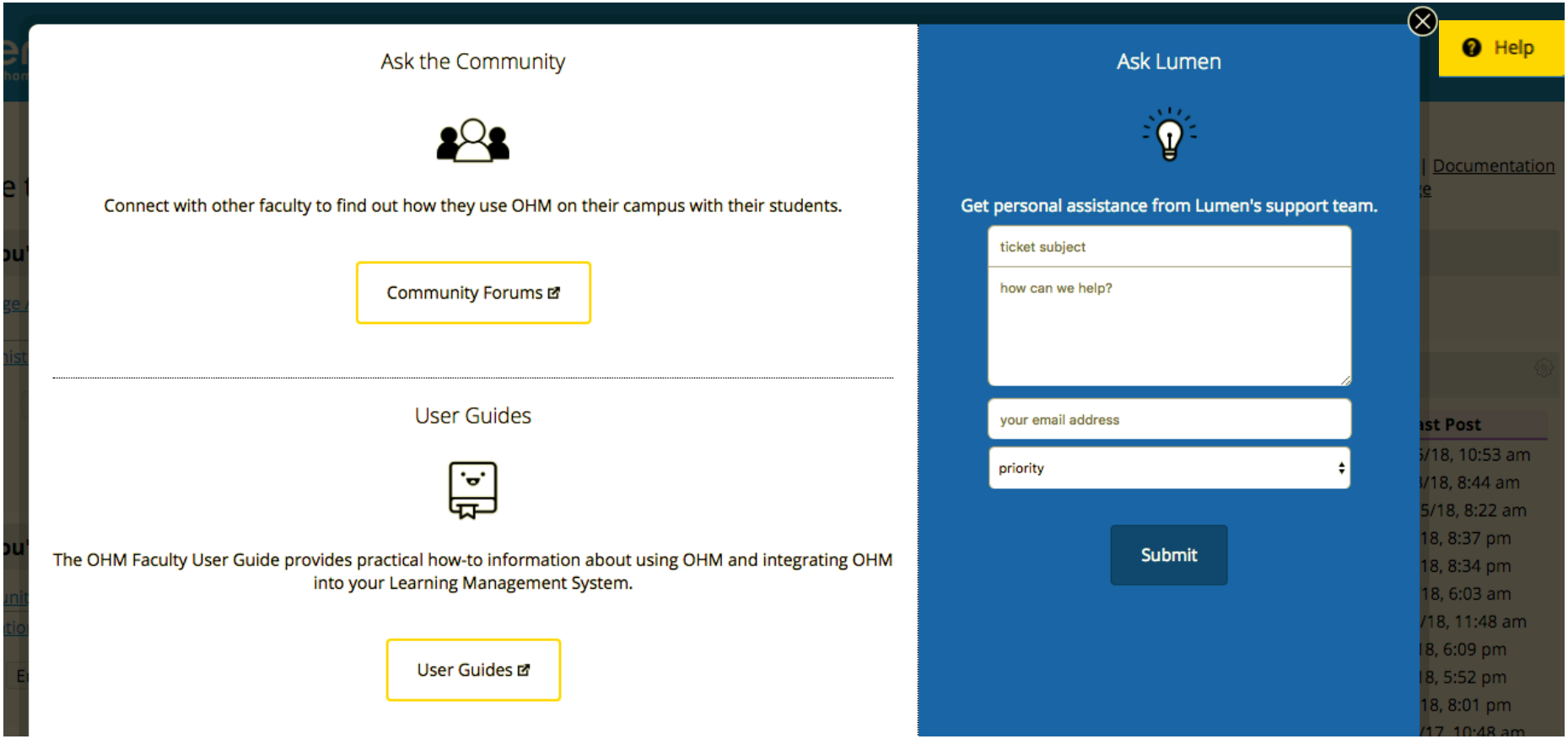
**$700K** textbook cost savings

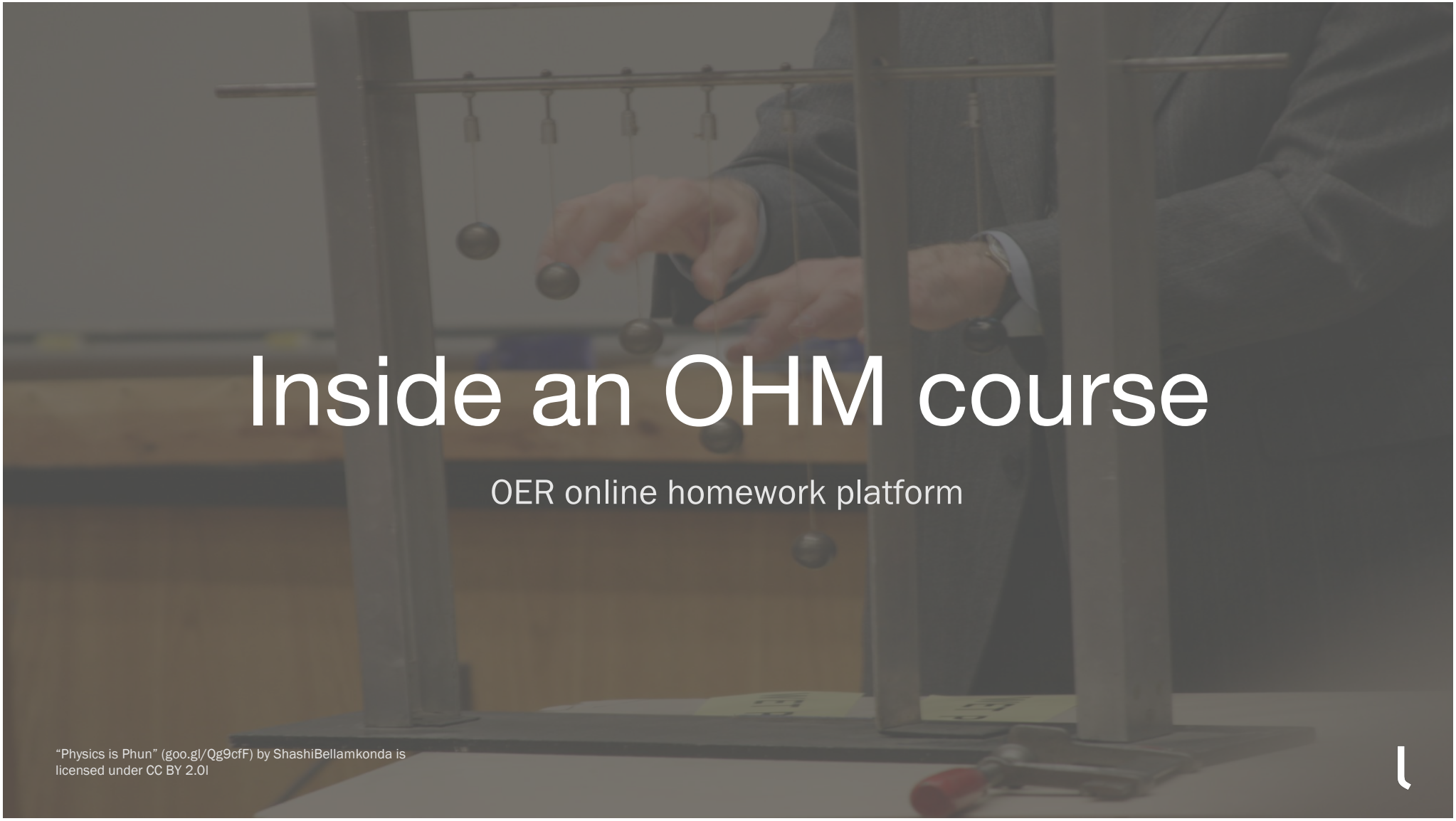
**+22%** quantitative literacy pathway completion compared to fall 2016

# Quick Course Set-up in Lumen OHM

1. Choose a customizable template course
2. Review & adjust content to align with your course
3. Adjust due dates and settings to suit your course
4. Get help at any point from Lumen support

# Help is only a Click Away!

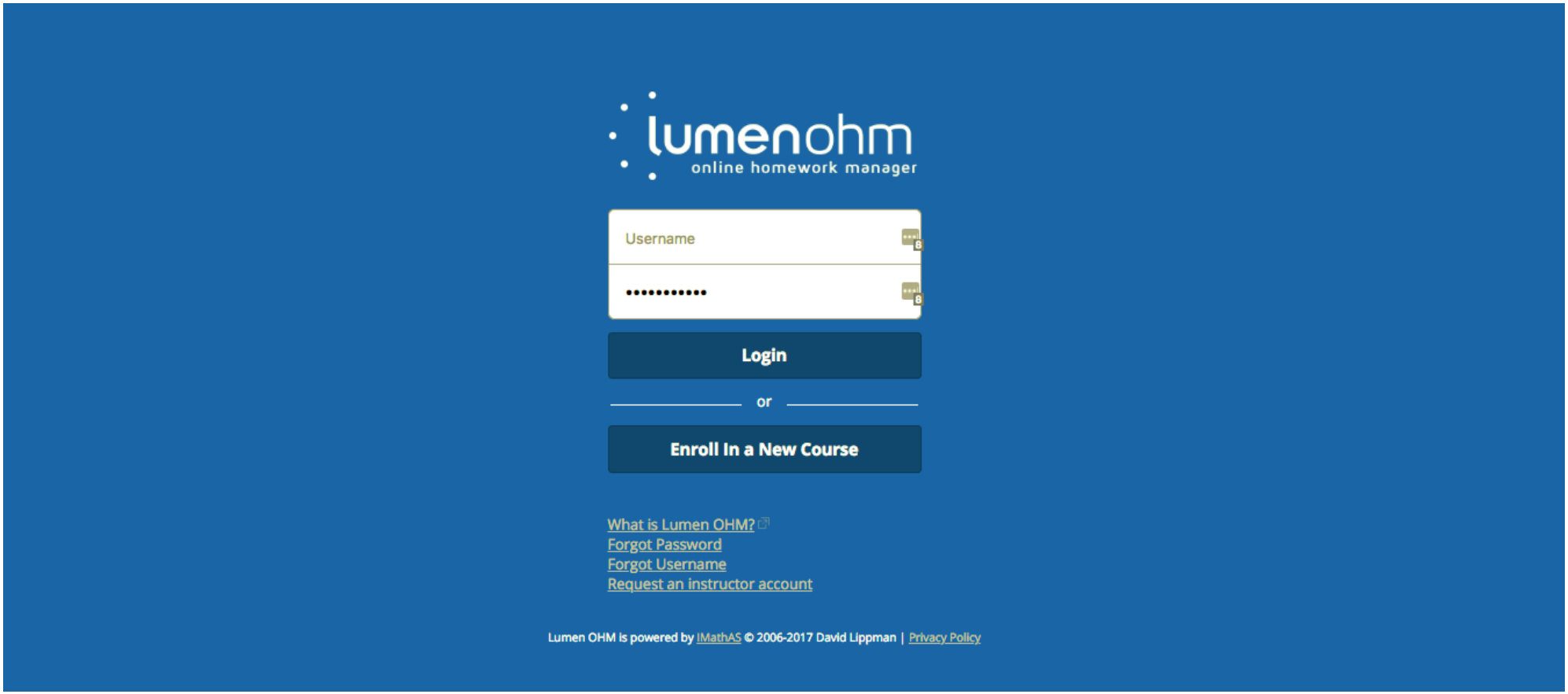




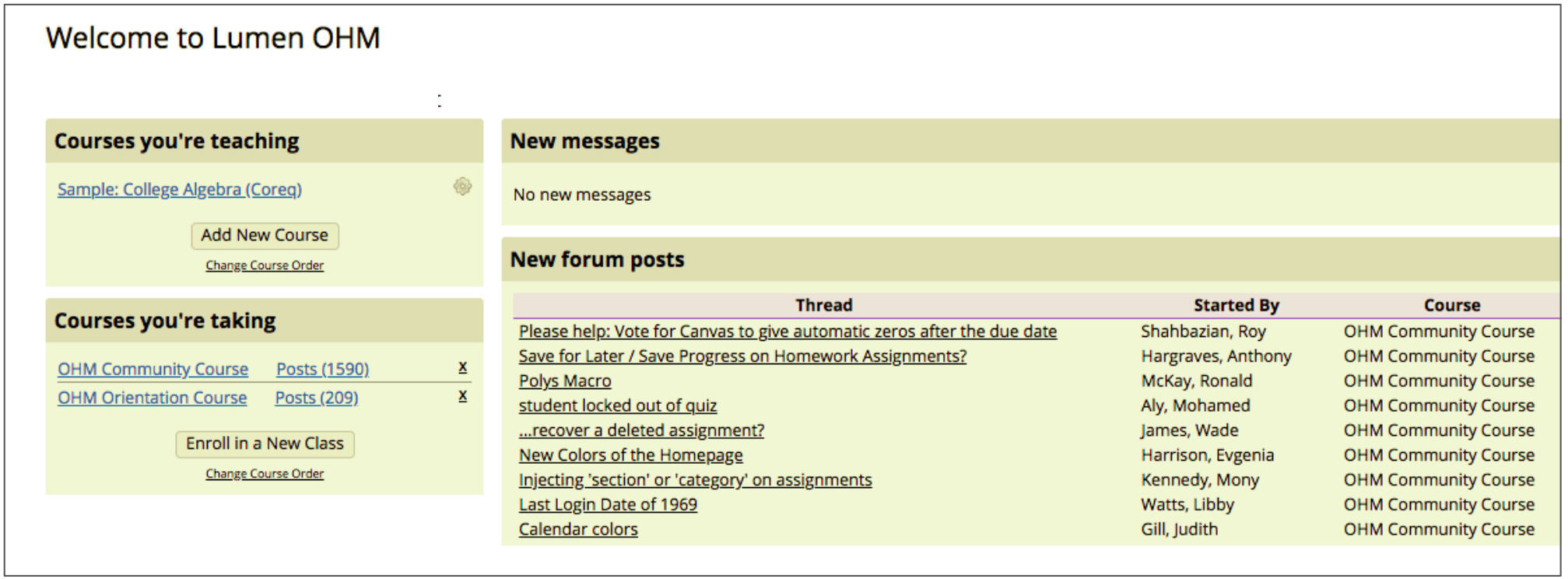
# Inside an OHM course

OER online homework platform

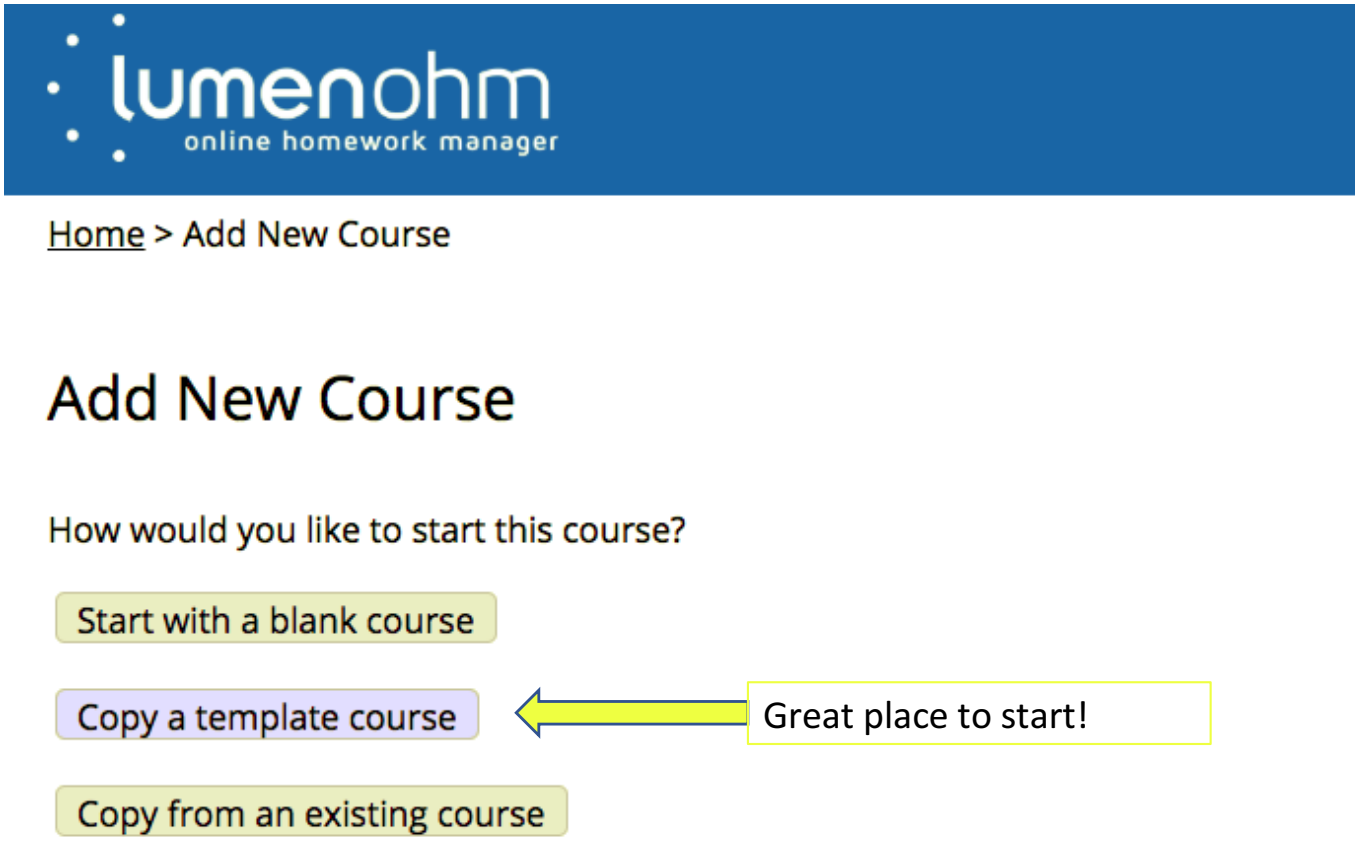
# Logging in to OHM



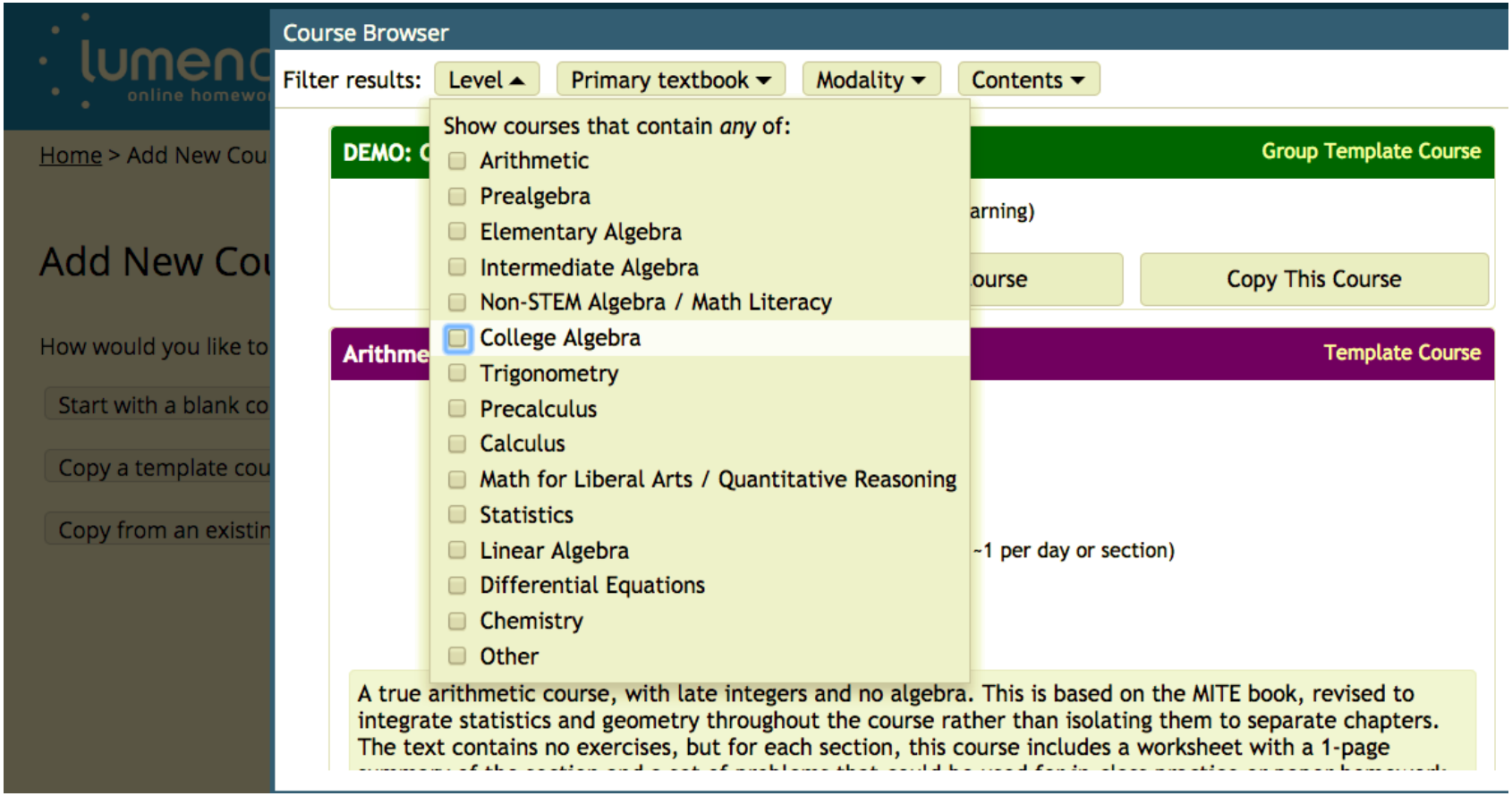
# OHM Home Page



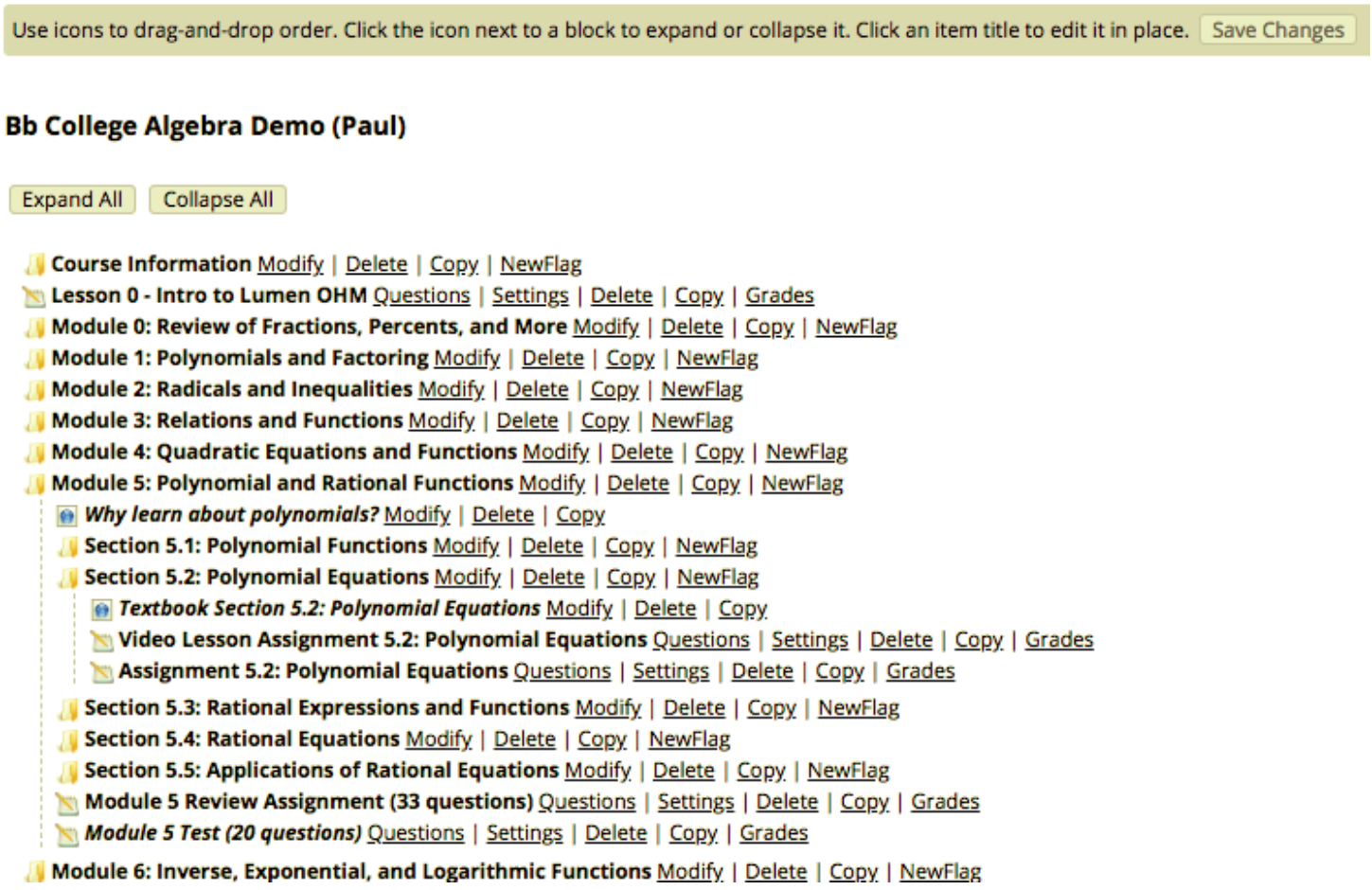
# Adding a Course to an Account

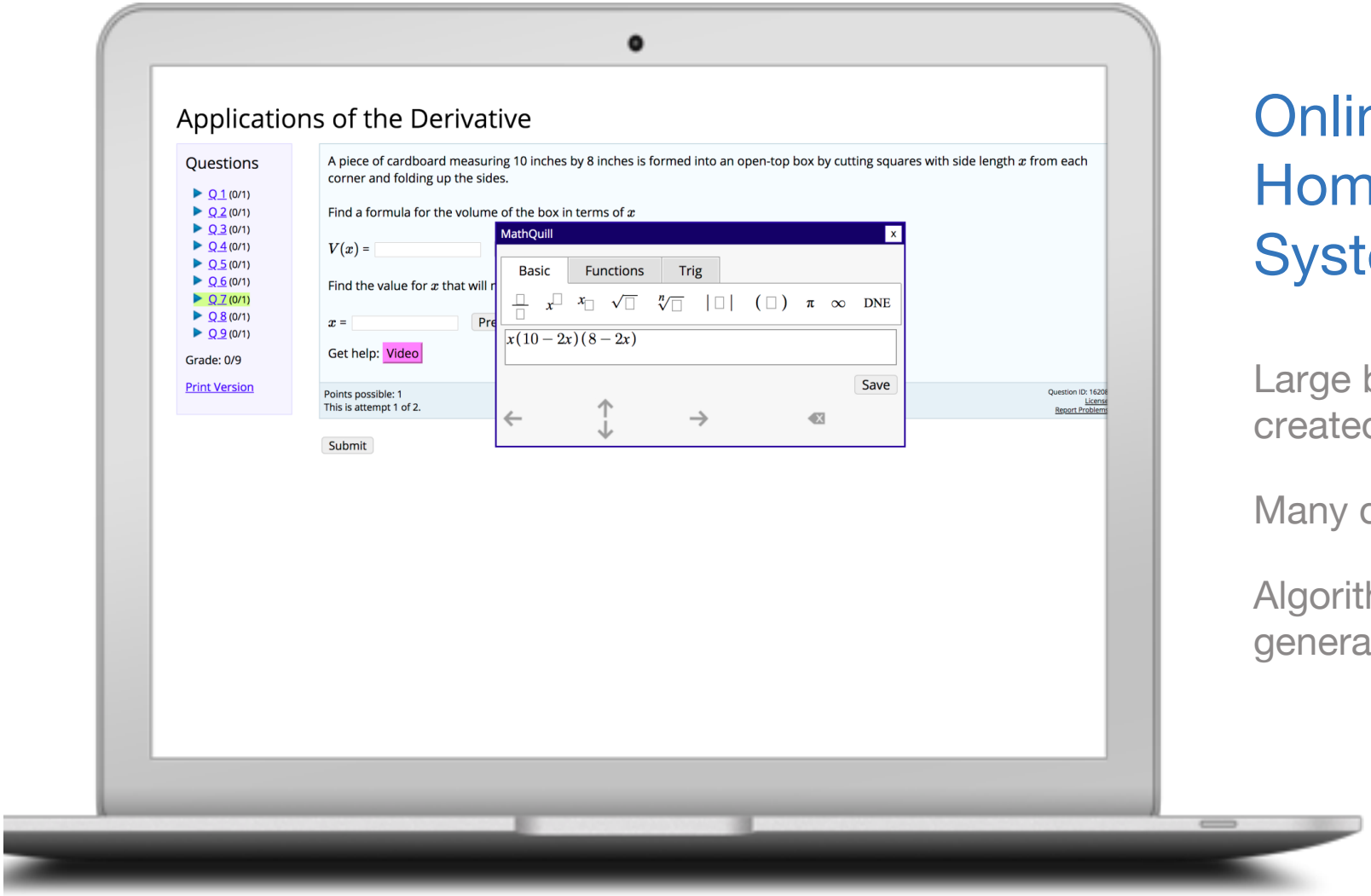


# Template Courses



# Quickly Rearrange Course Content



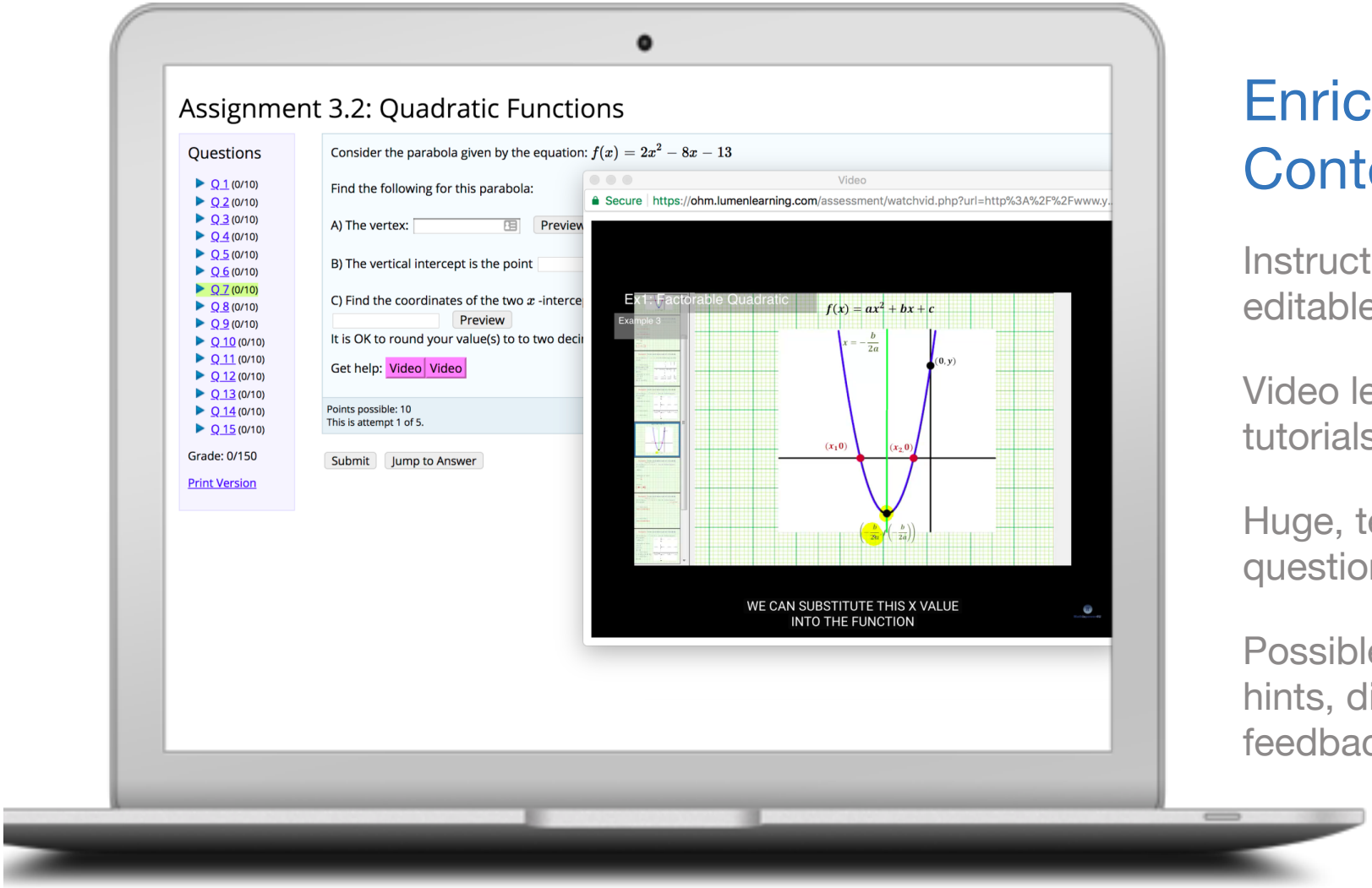



# Online Homework System

Large bank of teacher-created questions

Many question types

Algorithmically-generated problems




# Enriched OER Content

Instructional text (incl. editable text options)

Video lessons and tutorials

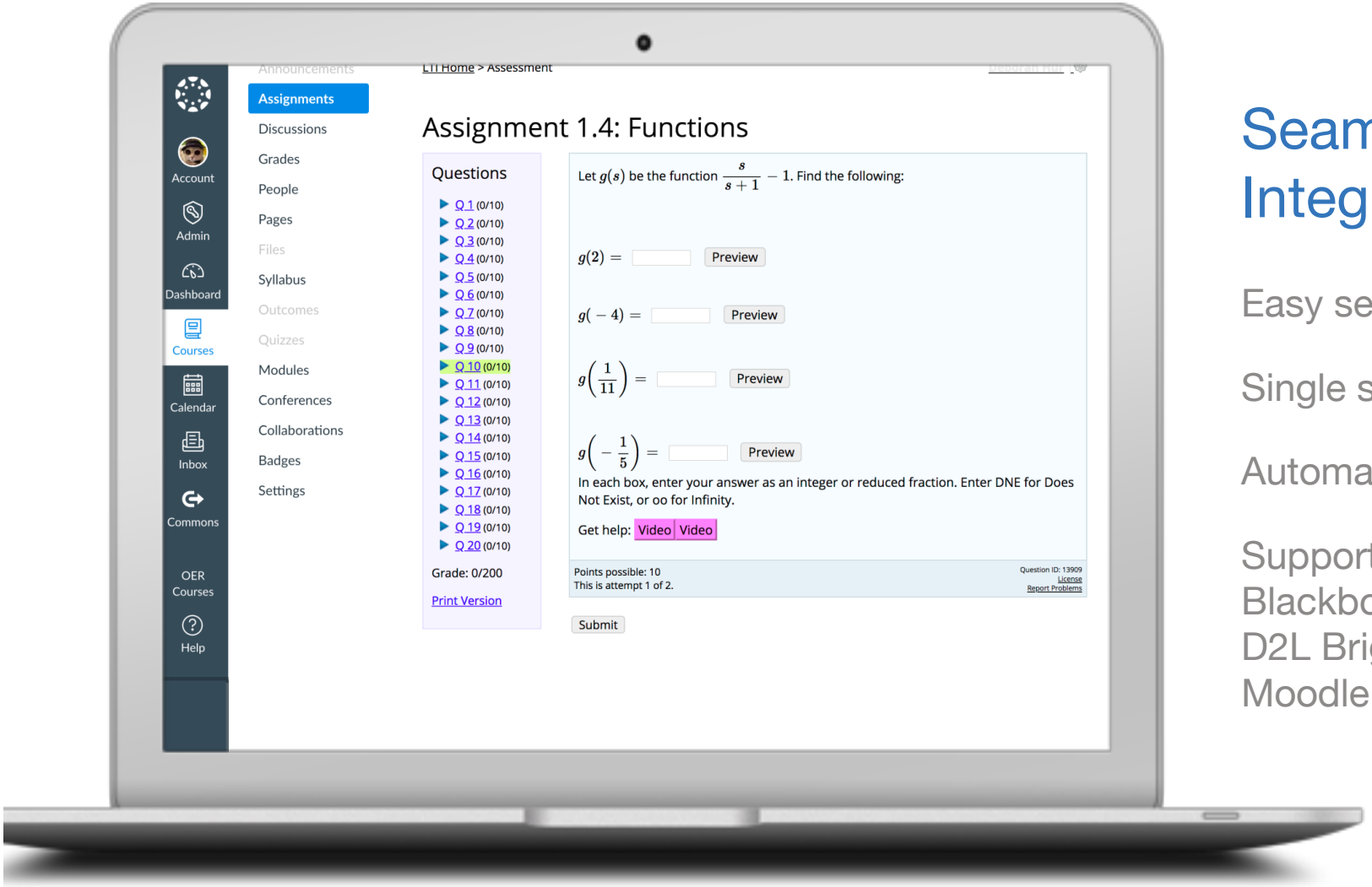
Huge, teacher-created question bank

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, multi-part, conditional

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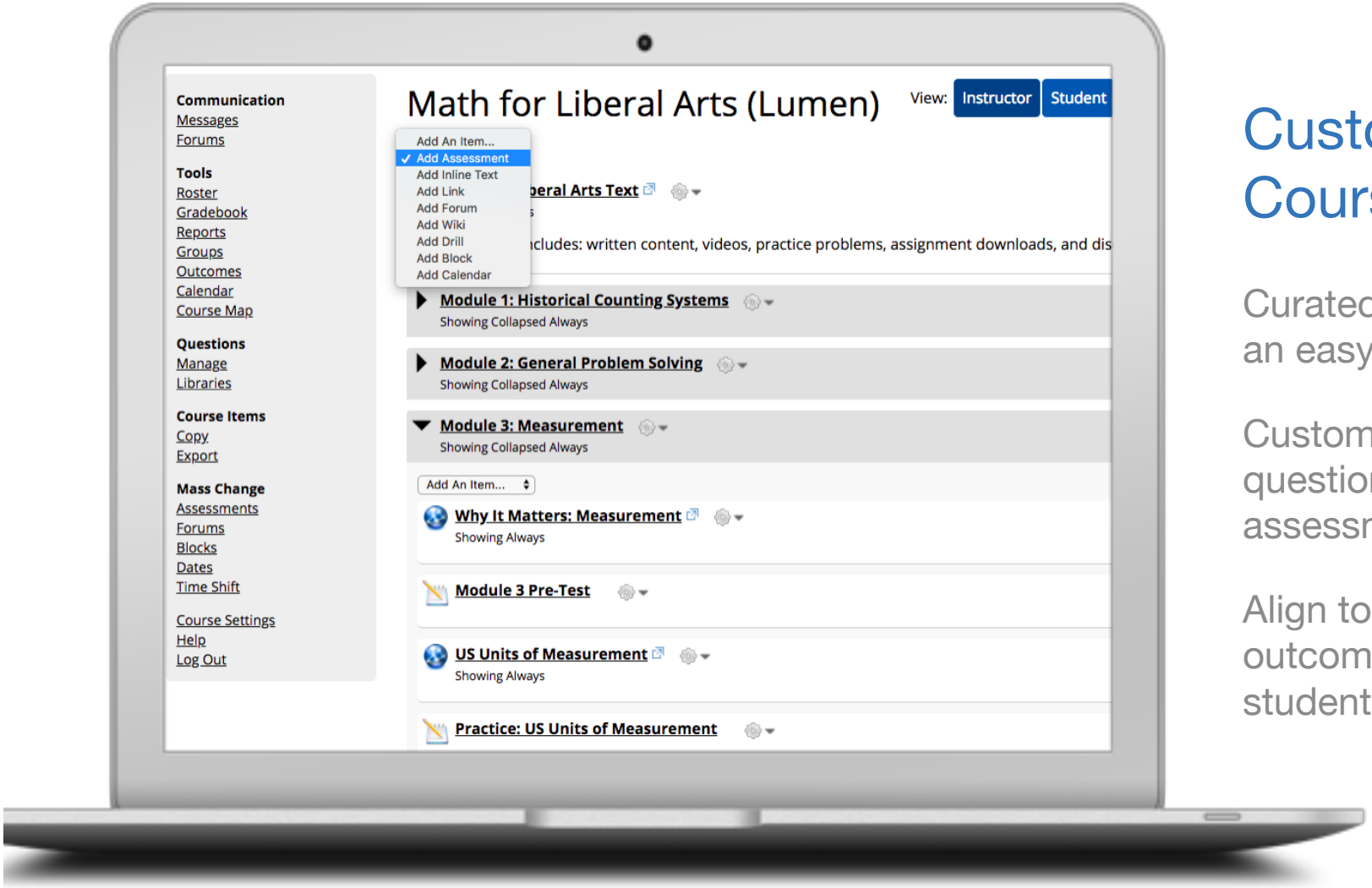
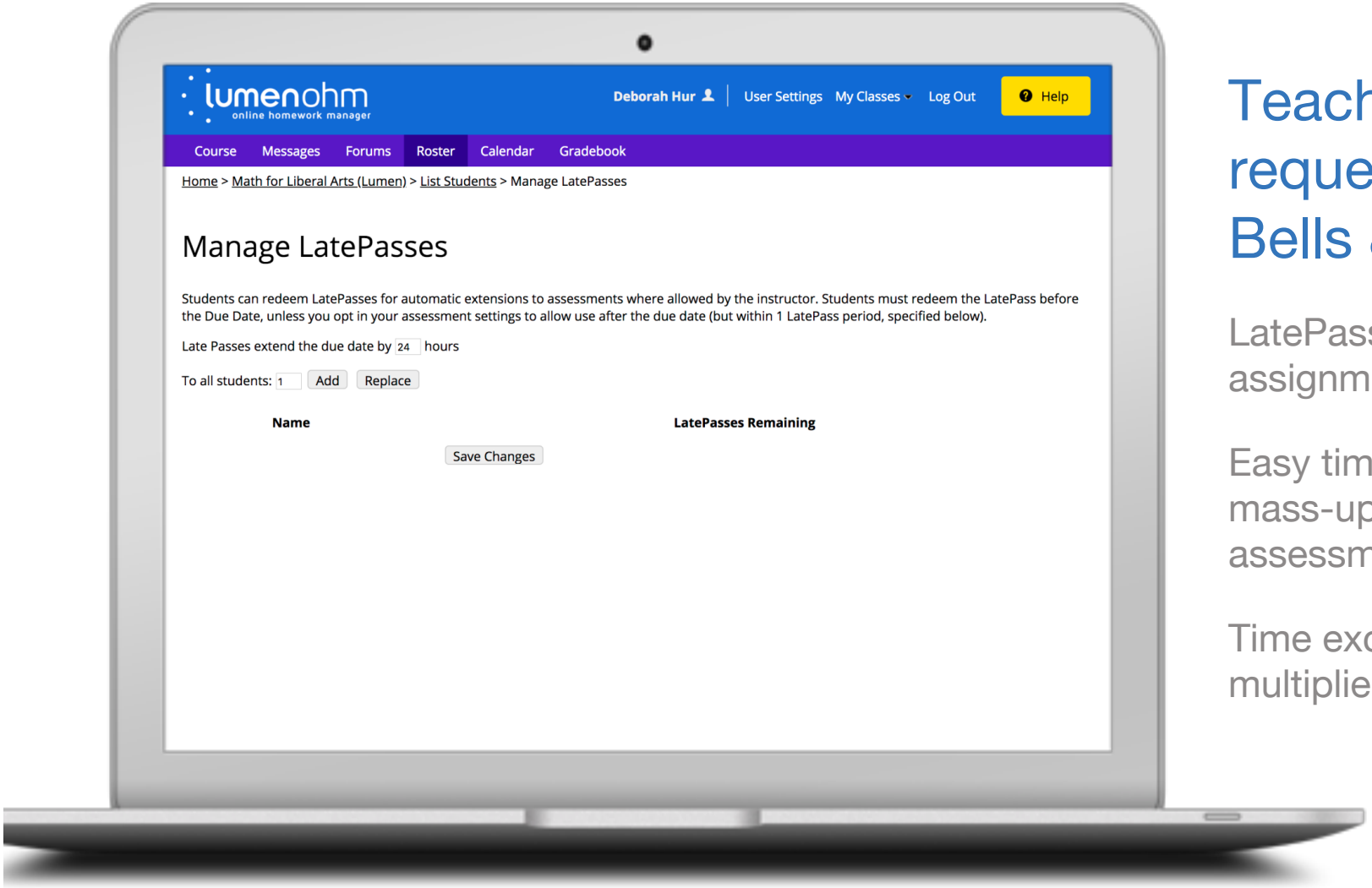



# Customizable Course Design

Curated courses make an easy starting point

Customize activities, questions, assessments

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




# Teacher-requested 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 | ✓ | ✓ | (✓) | (✓) |
| Robust system with algorithmic assessments | ✓ | ✓ | ✓ | ✓ |
| Faculty support: Onboarding, training, help | ✓ | | ✓ | ✓ |
| Supported LMS integration with grade return | ✓ | | ✓ | ✓ |
| Professionally maintained enterprise solution | ✓ | | ✓ | ✓ |
| Admin & support for wide-scale adoption | ✓ | | ✓ | ✓ |
| Maintain your own version control | ✓ | ✓ | | |
| Curated, customizable template courses | ✓ | (✓) | ✓ | ✓ |
| Easy peer-to-peer sharing of courses, assessments, content, innovation | ✓ | ✓ | | |

# What learning impact are institutions seeing with Lumen OHM?

Salt Lake Community College

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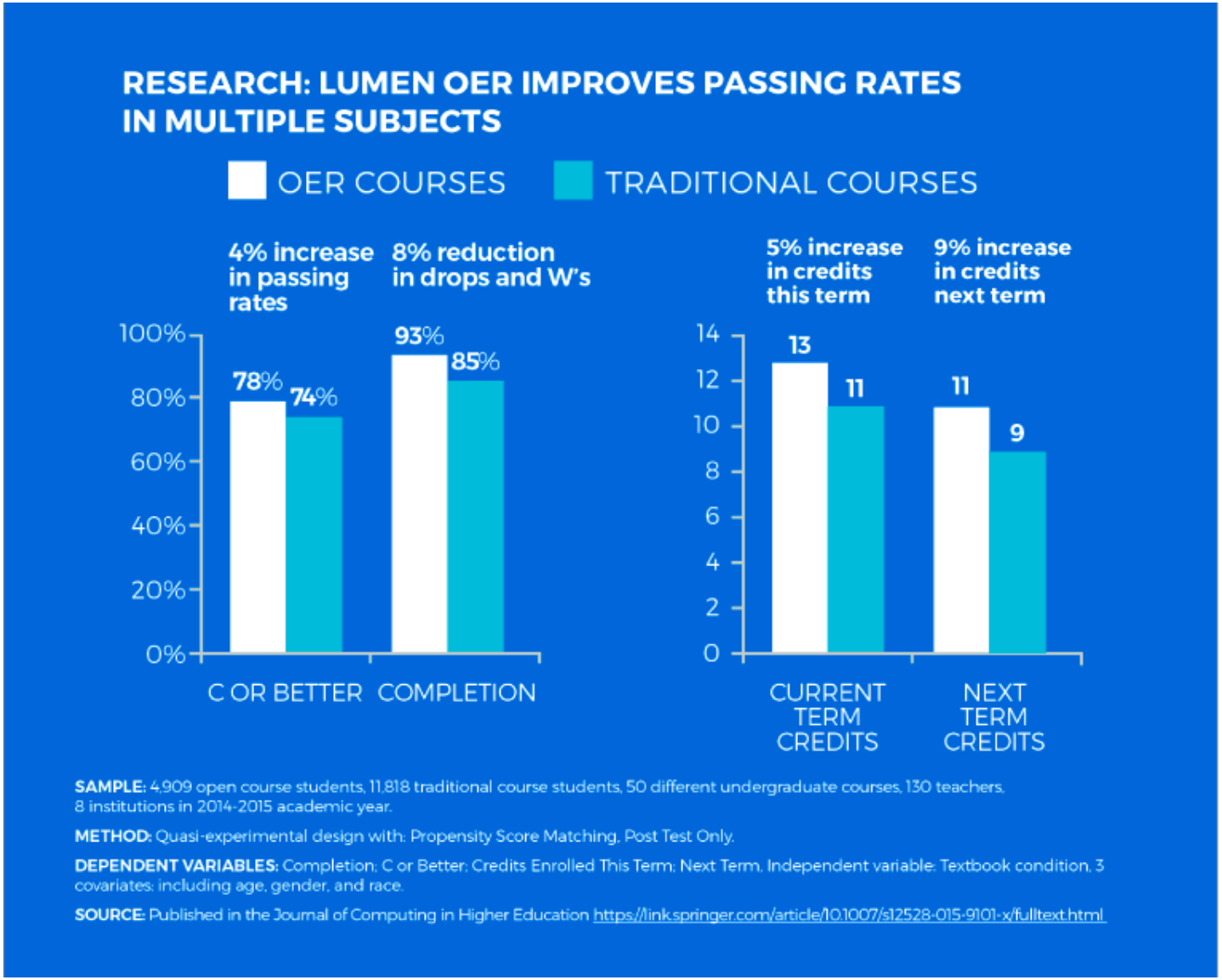
# Lumen OER improves student success.

Students perform as well or better in sections using OER.



# Next Steps

Explore Lumen OHM

Check out Lumen OHM at ohm.lumenlearning.com

Request a Lumen OHM instructor account

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 lumenlearning.com

# Leaders in learning innovation choose Lumen















Thank you.