



# Partnering with Teaching & Learning to make an Institution-wide impact

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VP Teaching & Learning



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# Students struggle to pay for course materials



**85%**

of students say paying for course materials is financially stressful



**More than half**

of students don't buy some of their course materials



**43%**

of students have skipped meals to pay for course materials



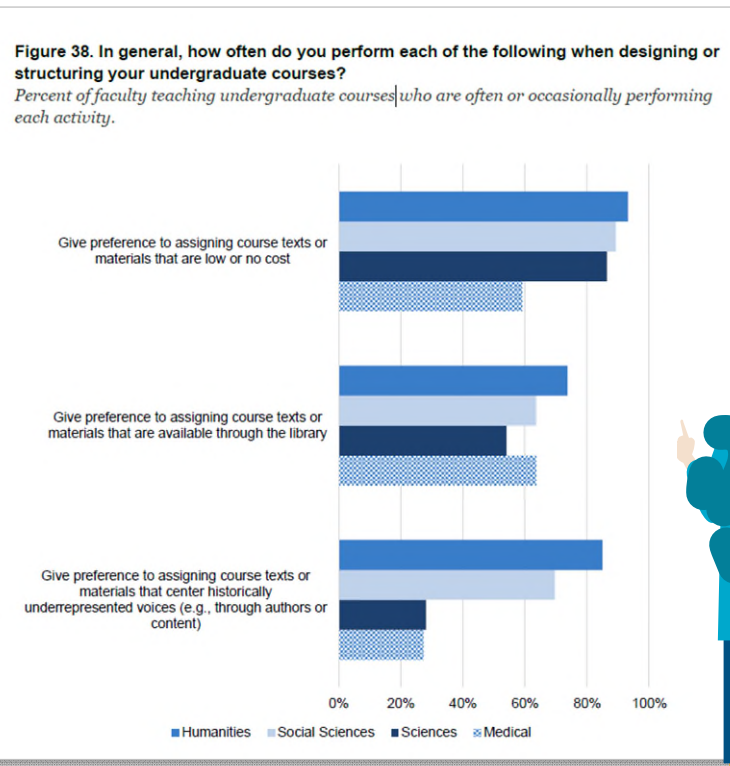
**3/10**

students have decided not to take a course because of materials cost

<https://www.insidehighered.com/digital-learning/article/2018/08/01/survey-examines-impact-textbook-prices-student-behavior>

# Faculty want to use affordable course materials

“The majority of faculty want to **ease the cost burden of course materials for their students, preferring to assign texts that are available at low or no cost (88 percent) or through the library (61 percent).**”



Source: Ithaka S+R Faculty Survey, 2021

<https://sr.ithaka.org/publications/ithaka-sr-us-faculty-survey-2021/>



*“I think one of the things that we struggle with as instructors is having students do the reading. If they have to **spend time looking**, or if they’re **spending a lot of money**, the chances of them actually doing the reading is **much less so than if we make those materials accessible.**”*



# Disconnected systems, disconnected workflows

## Students Faculty

### Learning Management System

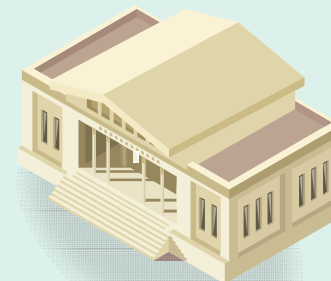
- Course info
- Course materials



## Library

### Alma

- Library resources
- Services



# The cost of bypassing the library

Course: Women Writers

Course enrollment: 50 students

## Three required texts

Cost to students: **\$155.49**

*Use existing library resources  
\$7,774.50 in this course*

### Book List

Prices and book list are subject to change.

Franco. Poems & Selected Letters. (Required)

ISBN: 9780226259871

New: \$28.00

Used: \$21.00

Rental: \$21.00 (New), \$11.20 (Used)

Woolf. Room of One's Own. (Required)

ISBN: 9780156787338

New: \$15.99

Used: \$12.00

Rental: \$8.79 (New), \$6.40 (Used)

Gilbert. Norton Anthology of Literature By Women (Set:V1/V2). (Required)

ISBN: 9780393930153

New: \$111.50

Used: \$83.75

Rental: \$44.60 (Used)

[Purchase from Bookstore](#)

# Connecting the library to faculty and students

## Students Faculty

### Learning management system

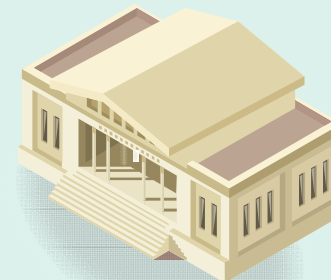
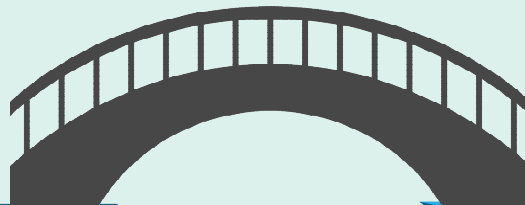
- Course info
- Course materials

## Library

### Alma

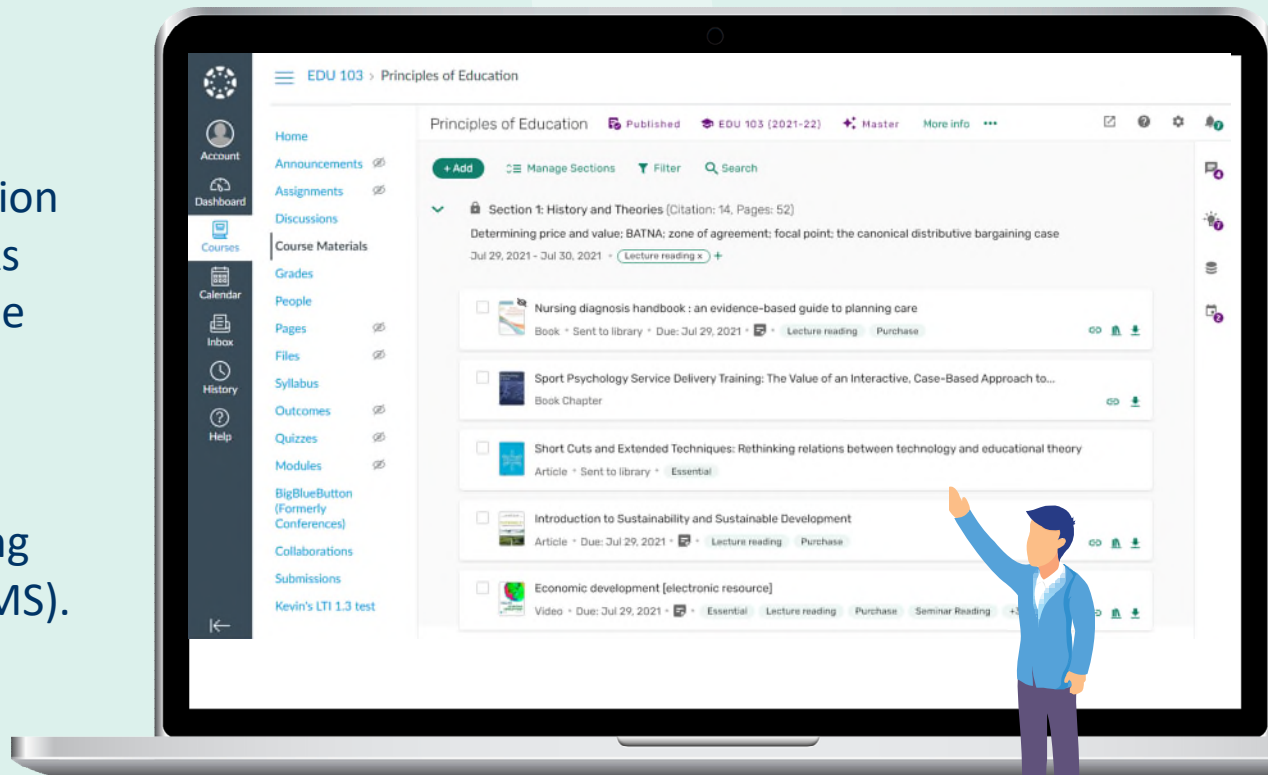
- Library resources
- Services

# Leganto



# Meet Leganto

A course materials solution which automatically links course materials with the library collection, connecting library resources, services and workflows to the learning management system (LMS).





# Step 1 Optimize: Putting it all together



# Optimization in Action – The Power of Unification



*When the decision  
was Leganto...  
It made it easier to make  
**all the systems work  
together***

BIBSYS



*As soon as we implemented Leganto,  
we began using it to manage  
**informed purchases of materials** for  
teaching, with our **integrated,  
cross-team workflow** seamlessly  
handling requests*



THE UNIVERSITY  
of EDINBURGH

# Optimize: Taking it to the Next Level

A stack of course syllabi from Blackboard LMS. The top syllabus is for AN20168-22Spring 0501. It includes sections for 'Prerequisite(s)', 'Credits', 'Course Description', 'Learning Objectives', 'Course Requirements', 'Course Schedule', 'Final Exam Day Fourth Take-home Quiz Date!!', and 'Course Summary'.

**AI21labs**

The AI21studio Playground interface is shown on a laptop. The 'Playground' tab is active, displaying a 'COURSE OUTLINE\*' with three items: '1. Review Anatomy and Physiology of Cardiovascular system; cardiac cycle, conduction pathways; role of the ECG; Aids; purpose of Electrocardiograms.', '2. Terminology, equipment and supplies required for ECG.', and '3. ECG Instrumentation; lead placement and vectors. PCT101 Electrocardiograph Technique & Application'. Below the outline, a 'Reference list:' box is highlighted with a red border, containing the following text: 'Cohn, E. & Gilroy-Doohan, M. (2002): Flip and See ECG, 2nd Edition Saunders Elsevier Publishing. Young, A., et al. (2006): Kinn's The Medical Assistant, an Applied Learning Approach, 9th edition. Text & Workbook: Saunders (Elsevier) Publishing.' The interface also shows a 'Generate' button and a 'Clear Completion' button.

A screenshot of a Blackboard LMS course page for 'Introduction to Landscape Design'. The page includes a navigation menu on the left, a main content area with a title 'Introduction to Landscape Design', a description, and a list of course objectives. The objectives include: '1. Gain knowledge of the history of landscape architecture', '2. Develop and understand the role of landscape architecture in the built environment', and '3. Gain knowledge of landscape architecture design process and techniques'. The page also features a 'Generate' button and a 'Clear Completion' button.

# Step 2 Engaging with Your Faculty & Students

Meet them where they are

Even if they wander outside the institution...

The screenshot shows a Canvas LMS interface. The course title is "Introduction to Landscape Design". A navigation sidebar on the left includes links for Home, Syllabus, Course Materials, Assignments, Discussions, Grades, People, Pages, Modules, Collaborations, and Submissions. The main content area features a large image of a tree-lined path with autumn leaves. Below the image, there is a link to a PDF titled "Landscape Design: Present and Past" and a list of student learning objectives. At the bottom, there are links to a book chapter titled "Claiming Landscape as Architecture" by Charles Waldheim.

The screenshot shows an Amazon product page for the book "Mediterranean Landscape Design" by Louisa Jones. The page displays the book cover, price information (hardcover \$74.99, paperback \$19.95), and a "Cite it!" overlay. The overlay is a white box with a blue border containing the text: "Covered by your library", "Title: Mediterranean landscape design : vernacular cont...", and "Author: Jones, Louisa." The Amazon page also shows a "Kindle Rewards" section and a "Follow the Author" button.

# Connecting Library with T&L




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*Leganto connects the library with the instructional designers who help faculty develop their courses and publish their course content in the LMS. **These are new connections** to designers and instructors that we have **never had before***

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**SHOW ME THE MONEY!**



# Students Savings in Action – The impact of library support



*In the first three academic years in which the university used Leganto resource lists, the potential **savings for the student body surpassed \$4M***



*When I told my students they didn't have to buy anything, **they celebrated***



*As with many things in life, affordability is important. We want to be able to **contain costs for our students** and Leganto allows us to do that.*



A photograph of a large, classical-style building with a portico supported by columns, surrounded by lush green trees and a lawn. The scene is bright and sunny.

# **UMN Libraries Student Savings Dashboard**

**Shane Nackerud**  
**Director, Libraries Course Materials Services**  
**University of Minnesota - Twin Cities**



# Course Materials Savings Dashboard - University of Minnesota Libraries

Campus: Twin Cities | Academic Year: (All) | Term: (All) | Degree: (All) | College: (All)

Students enrolled in affordable content sections

**372,415**  
**(17.82%)**

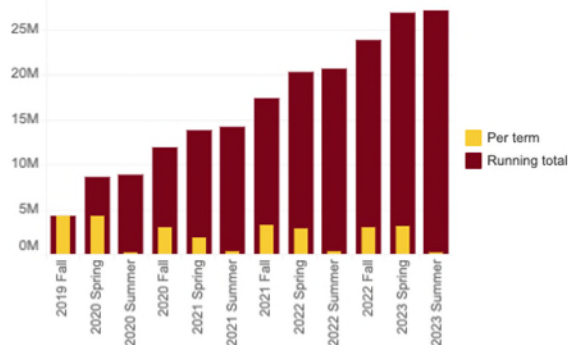
Potential student cost savings

**\$27,147,925**

Course sections with affordable content

**12,922**

Potential costs savings running total



Reading list citations

Total: **198,925**

Average per section: **15.39**

# Course Materials Savings Dashboard - University of Minnesota Libraries

**Campus** Twin Cities | 
 **Academic Year** (All) | 
 **Term** (All) | 
 **Degree** (All) | 
 **College** (All)

## UM Libraries Cost Savings

## Potential cost savings

\$27,147,925

## Students enrolled in affordable content sections

372,415

### Libraries Course Materials Page

		Number of sections	Class Seats Enrolled	Cost Savings
<b>Grand Total</b>		<b>11,650</b>	<b>352,781</b>	<b>\$26,462,625</b>
2019	2019 Fall	1,473	55,508	\$4,163,100
	2020 Spring	1,496	53,850	\$4,038,750
	2020 Summer	168	3,663	\$274,725
2020	2020 Fall	1,375	39,630	\$2,974,500
	2021 Spring	860	24,994	\$1,876,350
	2021 Summer	191	4,340	\$325,500
2021	2021 Fall	1,446	42,667	\$3,200,025
	2022 Spring	1,274	37,859	\$2,839,425
	2022 Summer	241	5,207	\$390,525
2022	2022 Fall	1,484	40,763	\$3,057,225
	2023 Spring	1,475	40,877	\$3,065,775
	2023 Summer	167	3,423	\$256,725

### "Libraries Course Materials Page" cost savings calculation

$$[\text{Enrollment}] \times \$75 = [\text{Cost Savings}]$$

This formula is based on the recommended average cost<sup>1</sup> of a textbook devised by the Open Education Network. While the OEN uses \$100 as the average cost of a textbook, the University of Minnesota Libraries has decided to use a cost savings of \$75 based on an OpenStax recommendation<sup>2</sup> and examples from other schools such as Oregon State University<sup>3</sup>.

#### References:

- 1 - [Estimating Cost Savings, by Open Education Network](#)
- 2 - [OpenStax news release, Rice University, May 2018](#)
- 3 - [OERU Textbook Affordability Dashboard, Oregon State University](#)

### LCMP royalty payments required

		Number of sections	Class Seats Enrolled	Cost Savings
<b>Grand Total</b>		<b>636</b>	<b>19,580</b>	<b>\$685,300</b>
2019	2019 Fall	146	5,248	\$183,680
	2020 Spring	169	5,966	\$208,810
	2020 Summ..	16	512	\$17,920
2020	2020 Fall	45	1,226	\$42,910
	2021 Spring	64	1,736	\$60,760
	2021 Summ..	5	86	\$3,010
2021	2021 Fall	45	998	\$34,930
	2022 Spring	57	1,541	\$53,935
	2022 Summ..	3	53	\$1,855
2022	2022 Fall	36	1,055	\$36,925
	2023 Spring	46	1,097	\$38,395
	2023 Summ..	4	62	\$2,170

### "LCMP royalty payments required" cost savings calculation

$$[\text{Enrollment}] \times \$35 = [\text{Cost Savings}]$$

When a section's reading list contains a copyright/royalty payment, the University of Minnesota Libraries has decided to use a cost savings of \$35. This is based on our own analysis of the average cost of copyrighted materials, the example of Oregon State<sup>1</sup>, and common practice in the field when considering "low cost" courses<sup>2</sup>.

#### References:

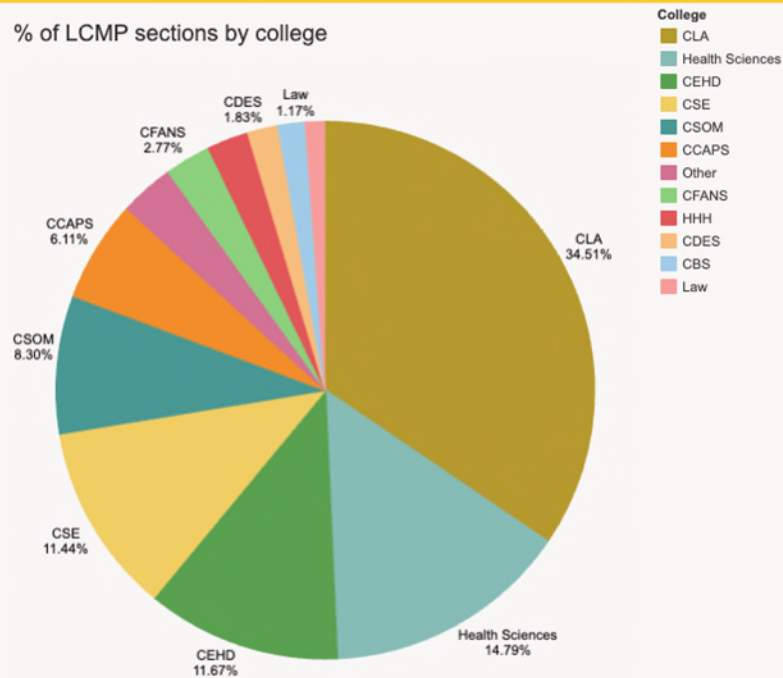
- 1 - [OERU Textbook Affordability Dashboard, Oregon State University](#)
- 2 - [Estimating student savings, OpenOregon Education Resources, April 2018](#)

# Course Materials Savings Dashboard - University of Minnesota Libraries

**Campus** Twin Cities | 
 **Academic Year** (All) | 
 **Term** (All) | 
 **Degree** (All) | 
 **College** (All)

<b>Potential cost savings</b> \$27,147,925	<b>Students enrolled in affordable content sections</b> 372,415	<b>Percent enrollment in affordable content sections</b> 17.82%	<b>Section counts</b>
			Copyright 636    LCMP 12,286    No LCMP 81,056 Total count of sections 93,978

% of LCMP sections by college



			Number of sections	Class Seats Enrolled	Credits
<b>Acad Affai</b>	2021	No LCMP	2	659	0
	2022	No LCMP	2	121	0
<b>AHCS</b>	2019	No LCMP	62	564	126
	2020	No LCMP	57	497	110
	2021	LCMP (non-copyright)	1	12	3
		No LCMP	62	443	142
	2022	LCMP (non-copyright)	1	6	3
No LCMP		65	497	141	
<b>AHSCI</b>	2019	Copyright	2	50	6
		LCMP (non-copyright)	20	397	44
		No LCMP	130	2,872	306
	2020	Copyright	2	24	4
		LCMP (non-copyright)	8	167	16
		No LCMP	175	3,319	374
	2021	Copyright	5	33	10
		LCMP (non-copyright)	25	419	54
		No LCMP	186	3,437	372
	2022	Copyright	3	16	6
LCMP (non-copyright)		39	577	87	
No LCMP		177	3,057	329	
<b>CBS</b>	2019	Copyright	1	9	3
		LCMP (non-copyright)	103	6,098	258
		No LCMP	728	18,421	1,990
	2020	LCMP (non-copyright)	23	1,056	46
		No LCMP	806	23,017	2,188
	2021	Copyright	1	12	0
		LCMP (non-copyright)	32	1,140	63
		No LCMP	790	23,338	2,184
	2022	Copyright	1	7	0

# Course Materials Savings Dashboard - University of Minnesota Libraries

**Campus** Twin Cities | 
 **Academic Year** (All) | 
 **Term** (Multiple values) | 
 **Degree** (All) | 
 **College** CLA

## UM Libraries Cost Savings - Individual Colleges

Potential cost savings  
\$8,388,220

## Students enrolled in affordable content sections

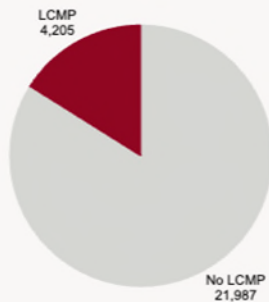
112,812

## Section counts

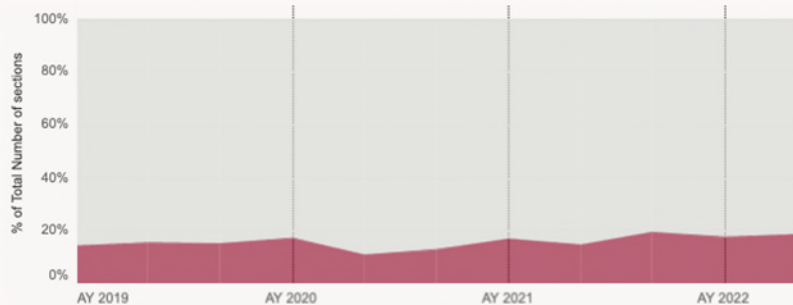
Copyright	LCMP	No LCMP
88	4,205	21,899
Total count of sections		26,192

Select college from filter above for departmental usage

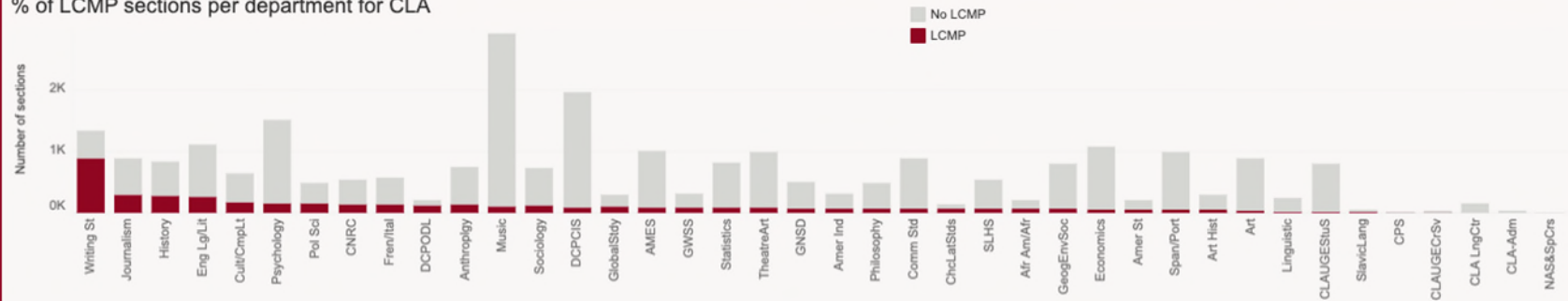
### % of LCMP sections per college



### % of LCMP sections over time for CLA



### % of LCMP sections per department for CLA



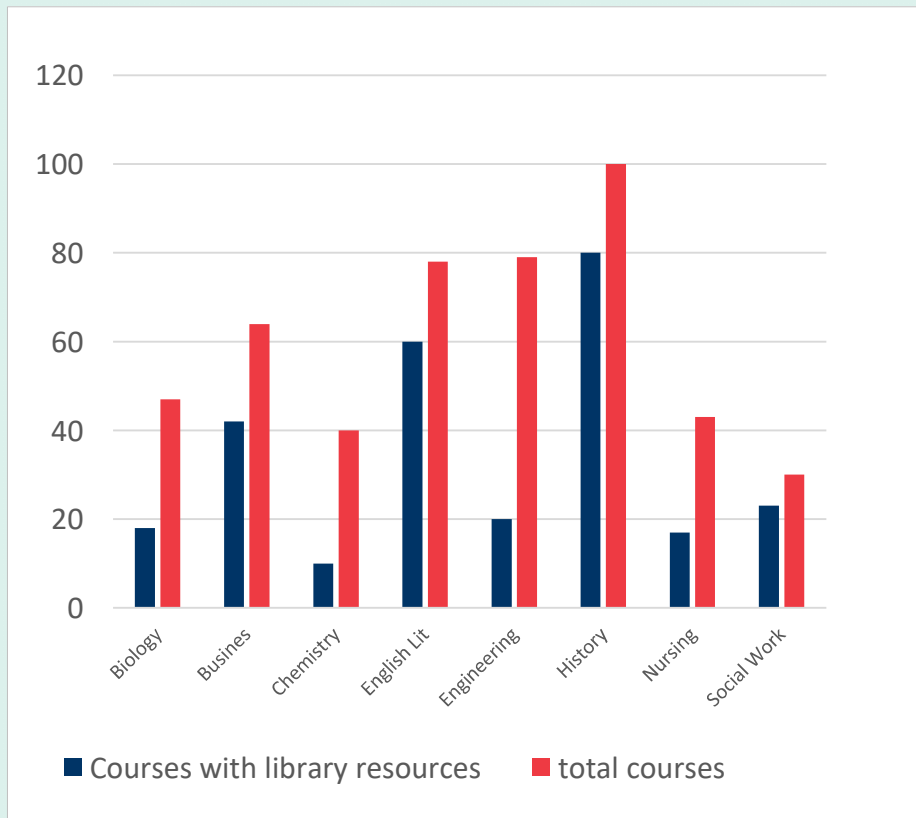
# Future development/plans

- Potential exists to dig deeper into the data and examine areas for improved outreach (underrepresented communities, outreach to faculty in underserved departments and colleges).
- “Affordable courses” visualization
  - Use this same data to design a student searchable tool they can use to identify courses and instructors that use affordable course materials.
  - Add this to course catalog for students to use when selecting courses
- Include data from the U of M Bookstores
  - The bookstores have low cost data that could be added
- Using the dashboard to increase usage of Course Materials Services
  - Encourage university instructors to “join the revolution”

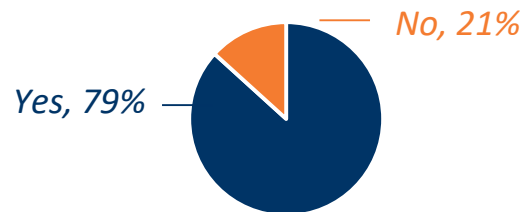


<https://z.umn.edu/studentsavingsdashboard>

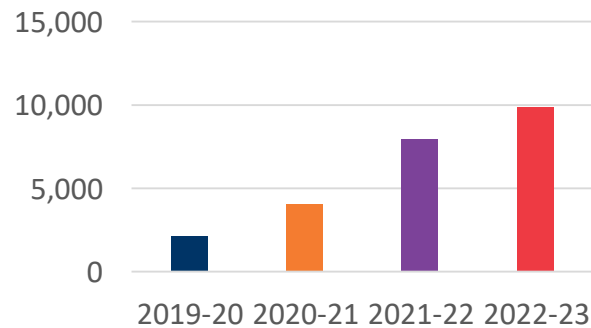
# Step 3 Show YOUR Impact



Percentage of Citations Covered by the Library



Number of students impacted

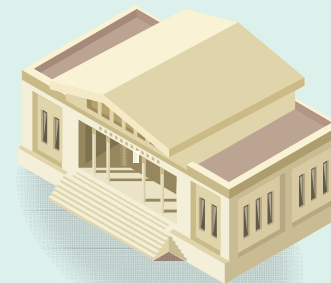


# Partnering with Teaching & Learning to make an Institution-wide impact

Students Faculty



Library





# Thank you!

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