

UC San Diego

Presentations and Posters

Title

Open Educational Resource Program Development: A View from Two Institutions

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Open Educational Resources Program Development: A View from Two Institutions

Dani Brecher Cook, Regina Gong, Lisa Martin, Allegra Swift
CNI Membership Meeting
March 22, 2022



Who We Are



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How We Met

Institute

2021-22 Institute on Open Educational Resources

The AAC&U Institute on Open Educational Resources (OER) is designed for campuses aspiring to launch or expand initiatives to develop or leverage free and affordable materials in teaching and learning contexts.

JULY 26 - JUNE 27

Kick-off - Virtual



[Overview](#)

[Logistics](#)

[Goals](#)

[Faculty](#)

[Apply](#)

Our Talk Today

- There is a growing focus on access and affordability across higher education right now
- This need was exacerbated by the COVID-19 pandemic
- Our goal is to share with you two approaches, one beginning and one mature, for developing programs that support OER creation and adoption

Grassroots Efforts Set the Foundation at UC San Diego

- Cross-campus interest group formed
- Student groups
 - UCSD CALPIRG
 - Students for Open Access
- Faculty requests for publishing support



Building Structural Equity and Inclusion: OER and ACM

Contributors: [Allegra Swift](#), [Laura Schwartz](#), [Dominique Turnbow](#)

Affiliated Institutions: [University of California San Diego](#)



Collective Impact at UC San Diego

- The Executive Vice Chancellor has a vision for high-level projects bringing together many units across campus leveraging a variety of expertise
- We work as part of the Affordable and Open Course Materials Steering Committee, co-chaired by the University Librarian and Director of the Teaching + Learning Commons
- Our group is the Open Educational Resources Task Force, including members from the Library and the Teaching + Learning Commons



UC San Diego Student Survey (Fall 2021)

- Units of campus involved: Student Affairs, the Library, the Provosts, Associated Students, Students for Open Access, and CALPIRG
- Open for two weeks in mid-November 2021
- Population level survey, distributed to 32,827 UC San Diego undergraduate students
- 6.5% response rate; demographics were almost all within 1% of campus levels

Student Survey Response Themes

1. Different demographic groups of students experience **disparate impacts** with regards to access to course materials
2. **Homework codes** are a significant cost barrier to students
3. Students feel frustration in being asked to purchase **materials** that are then **rarely used**
4. Students **appreciate ownership and reuse** of materials
5. Material **costs outside of the major** (e.g., in the writing programs) are seen as an extra burden

UC San Diego Faculty Focus Groups (Winter 2022)

- 4 focus groups held, ranging from experienced OER users and creators to interested learners
- Participants recruited via established campus cohorts (such as a faculty teaching and research community, the business school, etc.)
- Held over Zoom for approximately 1 hour and notes transcribed for qualitative analysis

Faculty Focus Groups Response Themes

1. A **variety of approaches** to picking materials, material needs, and format types across departments
2. **Lack of time** to create materials each quarter and grade/give feedback to large classes
3. **Concern about credit** (locally) and people stealing **intellectual property** on the web
4. Lack of clarity around **what can be used** (OER content, copyright, and licensing)
5. Desire for UC-wide or local community college **collaboration**
6. **Incentives** to create or locate quality OE materials (financial, collaborative, credit in P&T, course release, etc), including non-tenure track faculty

Next Steps, UC San Diego

- The Affordable and Open Course Materials campus steering committee will meet in March and receive the Open Educational Resources Task Force report of work to date
- At that point, the task force plans to propose a pilot program compatible with the collective impact framework that the campus steering committee is working within
- In Summer 2022, we expect that the steering committee will finalize its recommendations and launch pilot OER/ACM projects. Connections to the University of California system and the statewide projects are also anticipated



MSU Libraries OER Program

OPEN EDUCATIONAL RESOURCES

- Now on its 3rd year
- Full-time librarian leading the program
- OER Team:
 - Publishing assistant for print-on-demand services
 - Copy editor
 - Accessibility coordinator; accessibility staff support
 - Student employee
- OER Award Program – \$50K/annual fund
- Institutional member of the Open Education Network (OEN)
- OpenStax Institutional Partnership Program 2021-2022

OER Program Goals

- Reduce educational costs for students.
- Encourage and support the adoption, adaptation, or creation of OER and other free and low-cost materials as a textbook alternative.
- Provide technical support for instructors to implement OER in courses.
- Empower instructors to engage in new pedagogical models that leverage the affordances of OER and open education.



OPEN EDUCATIONAL RESOURCES

Services We Offer

- Finding, discovery, and curation of appropriate OER.
- Technology and platform to support adopting, adapting, and creating OER course content.
- Professional development opportunities, both on-campus and online.
- Training for faculty and staff on OER, open licensing, open textbook publishing, and OER-enabled pedagogy.
- Networking across institutions to advance open educational practices.
- Provide opportunities for recognition, research, and publication related to OER.

OER Adoptions

	AY 2019-2020	AY 2020-2021
No. of Courses	24	56
No. of Sections	404	579
No. of Instructors	101	143
Cost Savings	\$1,423,500	\$1,887,100

Spring 2022 OER Courses

ARB 102 – Elementary Arabic II

CEM 141-General Chemistry (ALL sections)

CEM 142-General & Inorganic Chemistry (ALL sections)

CEM 251-Organic Chemistry

ISB 202-Applied Environmental & Organismal Biology

ISB 204-Applied Biomedical Sciences

ISP 209-Mystery of the Physical World

LB 144-Biology I: Organismal Biology

LB 145-Biology II Cell & Molecular Biology

LL 151; LL 152- Basic Hindi I & II

MTH 314-Matrix Algebra (ALL sections)

MTH 317H-Honors Linear Algebra (ALL sections)

NEU 300-Neurobiology

PHY 251 & PHY 252- Intro Physics Lab I & II (ALL sections)

PSL 250-Introductory Physiology

PSY 101-Introductory Psychology

RUS 101 & RUS 201-Elementary Russian I & II

STT 200-Statistical Methods (ALL sections)

OER Award Program

An incentive program for instructors that encourages and supports the use of openly-licensed materials as a pathway to increase student success.

<https://lib.msu.edu/OERAwardProgram/>

OER Award Program for Faculty

- **Adoption of Existing OER**
 - \$1,000 per successful application.
- **Adaptation of Multiple OER**
 - \$2,500 per successful application.
- **Creation and Development of New OER**
 - \$4,000 per successful application.
- **Continuous Improvement**
 - \$3,000 per successful application.
- **Scaling Up OER**
 - \$5,000 per successful application.

<https://libguides.lib.msu.edu/oer/award>

Total award amount for AY 2019-2020: **\$26,500**

- Anticipated savings for one academic year – **\$287,475**

Total award amount for AY 2020-2021: **\$28,500**

- Anticipated savings for one academic year – **\$363,590**

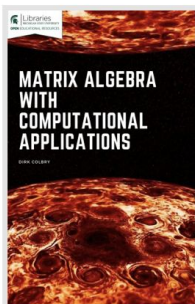
Total award amount for AY 2021-2022: **\$28,500**

- Anticipated savings for one academic year – **\$245,760**

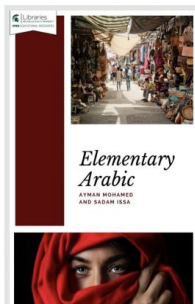
OER Publishing Program

- We use Pressbooks as our OER authoring tool.
- Interactive components of the OER utilize H5P embedded in Pressbooks and integrated into the LMS gradebook.
- Regina works closely with faculty in training them on the use of Pressbooks, H5P, and the online annotation tool called Hypothes.is.

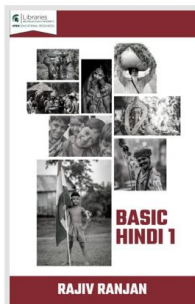
OUR LATEST TITLES



Matrix Algebra With Computational Applications
Dirk Colbry



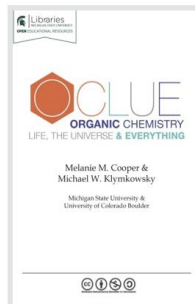
Elementary Arabic
Ayman Mohamed and Sadam Issa



Basic Hindi 1
Rajiv Ranjan



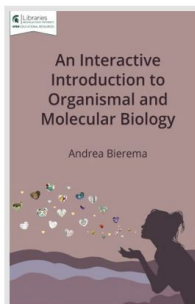
Reframing Digital Humanities: Conversations with Digital Humanists
Julian Chambliss



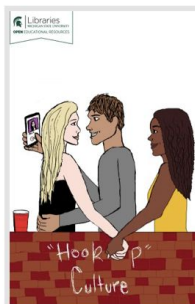
OCLUE: Organic Chemistry, Life, the Universe & Everything
Melanie M. Cooper and Michael W. Klymkowsky



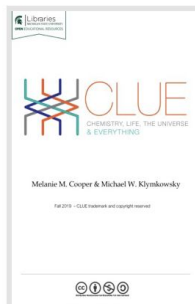
Foundations of Neuroscience
Casey Henley



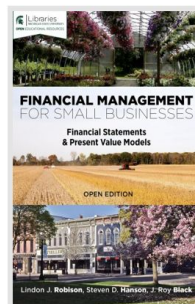
An Interactive



Hookup Culture



OCLUE: Chemistry, Life, the Universe & Everything



Financial Management

Open Educational Resources and Affordable Textbook Fund

Textbook costs significantly increase the financial burden on college students. No student should feel the need to drop out of classes because they can't afford the required materials. Through the Open Educational Resource and Affordable Textbook Program, the MSU Libraries offer students enrolled in many courses with costly textbooks a way to read those books without buying them. Since its beginning in the Fall 2019 semester, the Libraries' OER program has saved students an estimated \$4 million and impacted over 30,000 students.

Give to MSU Libraries and help provide MSU students with access to the textbooks they need to excel in every semester.

The Open Educational Resource and Affordable Textbook Program was created to provide textbooks and other educational materials to reduce student costs. These resources include textbooks, videos, course modules, homework assignments, digital resources and more. The average cost of materials per course is \$70, and we don't want undergraduates to have to choose between passing a course and getting enough food to eat. Your support of this program will help students succeed.

Each gift matters. 100% of the funds raised will go directly to purchasing or creating materials that students can access for study through MSU Libraries.

Challenge Money Awarded

Goal Reached
\$1,000.00



171%
Funded

\$3,000
Goal

\$5,155
Amount raised

38
Gifts received



Open Pedagogy/Open Educational Practices Learning Community

This learning community brings together educators who are using or planning on using **OER** and would like to incorporate **practices** that leverage the **affordances** of **openly-licensed materials** and open **education** more broadly. Specifically, involving **students** in the **co-creation** of **knowledge** as well as **sharing practices** that demonstrate effective student participation and engagement.



Photo by
ASMSU

**ASSOCIATED STUDENTS OF
MICHIGAN STATE UNIVERSITY
GENERAL ASSEMBLY
FIFTY-SEVENTH SESSION**



BILL NO. 57-31

INTRODUCED BY: ITURRALDE

SECONDED BY: GRONDIN

**A BILL TO: Advocate the use and expansion of Open Educational Resources (OER)
in MSU undergraduate courses**

THE ASSOCIATED STUDENTS OF MICHIGAN STATE UNIVERSITY ENACT:

WHEREAS, Students, whether in or out-of-state, who attended a public four-year university will spend on average, \$1,240 on books and supplies¹, and;

WHEREAS, Michigan State University provides an example budget for an in-state/out-of-state freshman that estimates \$1,154 budget for books and supplies², and;

WHEREAS, the average price of college textbooks has increased four times faster than rate of inflation in the past decade³, and;

WHEREAS, the use of access codes by college students to utilize online platforms have increased 60% from 2016-17 with the average cost of buying an access code being \$100⁴, and;

WHEREAS, the use of Inclusive Access programs by commercial publishers eliminates students' choice and locks them into a platform that ensures as many students as possible are



OUR MISSION

The Associated Students of Michigan State University is the undergraduate Student Government of Michigan State. Our mission is to enhance our individual and collective student experience through education, empowerment and advocacy by dedication to the needs and interests of students.

[MORE ABOUT US](#)

[Mental Health Awareness Week](#) >

[Spartan Code of Honor](#)

[Stories Behind The Spartans](#)

[Voter Registration](#)

[First Gen MSU](#)

[Sustainability](#)

[Health, Safety, and Wellness](#)

[Open Education Resource Awareness Week](#)





OPEN EDUCATION RESOURCES AWARENESS WEEK

March 21-25

21 MONDAY

**OER Awareness Week
Kick Off**
The Rock, 2-4pm

22 TUESDAY

**OER Speaker,
Nicole Allen,
Director of SPARC**
Zoom, 6pm

23 WEDNESDAY

**OER Student &
Faculty Panel**
"Join us for a Q&A of faculty
and students working on OER
implementation across MSU"
Zoom, 6pm

24 THURSDAY

OER Showcase
MSU Library, 2-5pm

**ASMSU OER
Faculty Awards**
GA Meeting, 7pm

25 FRIDAY

OER Campaign
"Share your experience with the
increasing costs of textbooks by
sharing a post. Tell us how much
you spent and where that
money could've gone!"
ENTER FOR A GIVEAWAY



Don't Miss Out!
Instagram: @theasmsu
Facebook: @asmsu

- OER Awareness Week now on its 2nd year and led by ASMSU
- ASMSU allocated funds to purchase OER swags (tote bags, notebooks, stickers)
- Also collaborating with the PIRGM (Public Interest Research Group Michigan)

Voices of our students

"Overall, I had a very good experience with this book, it had helped me understand the concepts I had been learning in class and it reduced my stress of being able to buy so many books for the semester especially since I did not have the money around that time to buy actual textbooks . . . So it really helped this semester !" **CEM 141 Student (Hispanic, Female, 1st Gen, Pell Eligible)**

"College is already expensive people shouldn't have to choose between buying food for the week or getting a textbook...." **CEM 141 Student (Asian, Female)**

"I really appreciate OER structured classes. It makes the cost of living seem bearable...." **ISS 210 Student (African American, Female)**

Voices of our students

"Not having to pay for one more book really relieves stress. I didn't have to worry about trying to work overtime just so I can stay on track with all my bills!" **STT 200 Student (African American, Female, 1st Gen, Pell Eligible)**

"I switched out of a section of a class for next semester to a different section SPECIFICALLY because my new section would have an OER textbook. It is extremely helpful to not have to worry about spending \$100 on a textbook. I wish more classes did this." **CEM 251 Student (White, Female)**

thanks!

