The No Cost Pathway: Supporting Faculty in Going OER

Mario Banuelos
Assistant Professor of Mathematics, OER Faculty Fellow

Bryan D. Berrett
Professor, Deaf Studies
Director, Center for Faculty Excellence

David Drexler
Scholarly Communication Librarian

Vera Kennedy
Former OER Faculty Fellow
The Fresno State campus sits in the midst of the San Joaquin Valley, a valley rich in the traditions and representation of Native American peoples and cultures. We are grateful to be in the traditional homelands of the Yokuts and Mono peoples, whose diverse tribal communities share stewardship over this land.
Juneteenth


https://nmaahc.si.edu/blog-post/historical-legacy-juneteenth.
Open Educational Resources (OER) are teaching and learning materials that you may freely use and reuse at no cost. ... OER often have a Creative Commons or GNU license to let you know how the material may be used, reused, adapted, and shared.

The 5Rs of Openness

- **Retain** – the right to make, own, and control copies of the content
- **Reuse** – the right to use the content in a wide range of ways
- **Revise** – the right to adapt, adjust, modify, or alter the content itself
- **Remix** – the right to combine the original or revised content with other open content to create something new
- **Redistribute** – the right to share copies of the original content, your revisions, or your remixes with others

Since the late 1990s, textbook costs have increased at about three times the rate of inflation.

California State University, Fresno

~25,000 students

Hispanic-Serving Institution (HSI)

Pell eligible:
- 60% of undergraduates
- 63% of first-time freshmen

http://calstate.edu/equitydashboard
Textbook costs affect student success

- 75% of students: concerned that not buying required materials would hurt their grade *but they did it anyway*.
- 54% of students: cost of required textbooks impacts which courses they decide to take.

(Vang Vang, 2019 survey of Fresno State students)

Nationally, 65% and 48% per 2014 survey


Affordable Learning Solutions (ALS) Lends a Hand

ALS is lending a hand to empower students to continue their education through the use of low/no-cost learning resources to bridge some of the material that is not covered in their courses. Explore OERs, low-cost, and library resources below to learn about the immense collection available to you! #ALSLEndsaHand

Low-cost Course Materials  Learn More
Open Educational Resources  Learn More
Library Resources  Learn More

CSU's Affordable Learning Solutions enables faculty to choose and provide more affordable, quality educational content for their students. By reducing CSU student course material expenses, more students acquire the course materials they need to succeed and benefit from their CSU learning experience. Now CSU faculty and students have greater access to quality, free, and lower-cost learning materials through a variety of ALS programs and partnerships.
California SB 1359

Passed 2016

“Each campus of the California Community Colleges and the California State University shall … Clearly highlight, by means that may include a symbol or logo in a conspicuous place on the online campus course schedule, the courses that exclusively use digital course materials that are free of charge to students and may have a low-cost option for print versions.”

https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201520160SB1359
Zero Textbook Cost (ZTC) Degrees

“Zero-textbook-cost degrees’ means community college associate degrees or career technical education certificates earned entirely by completing courses that eliminate conventional textbook costs by using alternative instructional materials and methodologies, including open educational resources.”

https://cvc.edu/open-educational-resources/oer-zero-textbook-cost-degree/.
Fast Facts

- Founded in 1911
- Fresno State = California State University, Fresno
- One of 23 campuses of California State University (CSU) System
- Carnegie Research University
- 8 schools/colleges; 56 majors
- 24,995 students
- 2,533 state employees (1,481 faculty/1,052 staff) + 370 auxiliary
- 66% First Generation students; 62% Pell grant eligible
- 53% Hispanic
Reduction in Instructional Materials Cost Efforts

- Affordable Learning $olutions (AL$)
- Open Educational Resources (OER)
- Zero Cost Course Materials (ZCCM)
- Immediate Access Program (IA)DISCOVERe mobile learning program
- On-time course adoptions policy
- OpenStax Institutional Partnership
- FVI and VSI Professional Development
Unique Enablers

▪ Our Students
▪ Several Programs
▪ Faculty Fellows
▪ Strong Bookstore Support
▪ Organizational Structure

ADKAR
▪ Awareness
▪ Desire
▪ Knowledge
▪ Ability
▪ Reinforcement

“I’ve seen students who can’t buy the books and…. Then that reflects on their grades… they didn’t have the money to buy that book, so then they’re failing the test and they’re struggling in the class”. Fresno State Undergraduate Student
Planning and structure

• RFP to faculty in large GE courses
• ZCCM pathway through GE courses
• Focus on one degree program
• Ongoing support and engagement
• Be a Hero Program
• OER Faculty Fellow
Execution and results

- Canvas course implementation
- Challenges
- Statistics on converted courses
Execution and results

• Canvas course implementation
  – OER Introduction modules (licensing, attributions, developing OER, accessibility, publishing)
  – Surveyed participants for each topic beforehand.
Execution and results

- Canvas course implementation
  - Content revision and analysis

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Elementary Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Number</td>
<td>MATH 11</td>
</tr>
<tr>
<td>Faculty Name</td>
<td>Mario Banuelos</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Students will be able to define statistical terms.</td>
</tr>
<tr>
<td>2. Students will be able to identify the types of data and data collection methods.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topic or Module</th>
<th>Learning Activity</th>
<th>OER Text/Material(s)</th>
<th>Section</th>
<th>License</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entire Course</td>
<td>Textbook</td>
<td><a href="https://www.openintro.org/redirect.php?go=os4&amp;ref#">https://www.openintro.org/redirect.php?go=os4&amp;ref#</a> All</td>
<td></td>
<td>CC BY-SA 3.0</td>
<td>List of HW Assigned Problems from OS4</td>
</tr>
<tr>
<td>Entire Course</td>
<td>Homework</td>
<td><a href="https://docs.google.com/document/d/1xYAX6rTX80-">https://docs.google.com/document/d/1xYAX6rTX80-</a> All</td>
<td></td>
<td>CC BY-NC-SA 4.0</td>
<td>List of Reading Assignments (by Module) from OS4</td>
</tr>
<tr>
<td>Entire Course</td>
<td>Reading</td>
<td><a href="https://docs.google.com/document/d/100BvVnlQqC">https://docs.google.com/document/d/100BvVnlQqC</a> All</td>
<td></td>
<td>CC BY-NC-SA 4.0</td>
<td></td>
</tr>
<tr>
<td>Module 1 - Introduction to Data and Probability</td>
<td>Reading</td>
<td><a href="https://www.openintro.org/redirect.php?go=os4&amp;ref#">https://www.openintro.org/redirect.php?go=os4&amp;ref#</a> Chapters 1, 2, 3</td>
<td></td>
<td>CC BY-SA 3.0</td>
<td>Module 1 Readings (see Reading Assignments by Module above)</td>
</tr>
<tr>
<td>CLO 1 and 2</td>
<td>Assessment</td>
<td><a href="https://docs.google.com/document/d/1WMq2tLUSE">https://docs.google.com/document/d/1WMq2tLUSE</a> Chapter 1</td>
<td></td>
<td>CC BY-NC-SA 4.0</td>
<td>Quiz 1 Template</td>
</tr>
<tr>
<td>CLO 4</td>
<td>Assessment</td>
<td><a href="https://docs.google.com/document/d/1VSKUpJzSR2">https://docs.google.com/document/d/1VSKUpJzSR2</a> Chapter 2</td>
<td></td>
<td>CC BY-NC-SA 4.0</td>
<td>Quiz 2 Template</td>
</tr>
</tbody>
</table>
Execution and results

• Canvas blueprint & Canvas Commons
Execution and results

• Challenges
  – Lab manuals
  – Participation in OER faculty sessions
Execution and results

• Statistics on converted courses (AY 19-20)
  – 276 ZCCM courses (up to 5,000 students served)
  – 70 AL$ courses (up to 1,800 students served)

• Growth expected for future adoptions (AY 20-21) with transition to online learning.
Execution and results

• Liberal Studies Zero Cost Course Materials (ZCCM) pathway development

• OER Faculty Champions
OER outside the pathway

https://openstax.org/
COVID-19

Open Educational Resources (OER)
A guide to understanding and finding Open Educational Resources, with information on current efforts at Fresno State.

OER and Remote Teaching
The shift to remote teaching and learning has required major adjustments to how we teach and learn. The majority of our courses are now being offered online through spring 2020 semester. This is a great opportunity to redesign your course around new materials. This shift will be new for instructors and students alike, and the future is uncertain. Still, this is a great time to explore new ideas and materials.

OER are free to students. The majority of our students face financial challenges, and the reduced income due to the current crisis will be a greater struggle than usual. Using OER can help students stretch their dollars and save money during this time. OER can help cover the cost of textbooks and other materials.

OER are digital. Stay-at-home orders mean that online materials are the easiest materials for students to access. This is especially true for students who have limited access to print materials, such as relying on library reserve copies or sharing textbooks with classmates.

OER offer permanent access. Students can get access to OER at any time, and many OER are owned by their creator and copyrighted. Students can get access to OER even after the course ends. OER can generally be downloaded to a local device, which means that students can access OER even if they do not have internet access.

OER are Open. The COVID-19 pandemic has created many challenges for students and instructors. OER are a great tool to help students bear the brunt of the crisis. OER are open, which means that students can access OER and use them in their own way.

If you are interested in exploring OER for any of your courses, please contact:

Mario Banuetos
OER Coordinator
Reflection and Questions

Mario Banuelos  
Assistant Professor of Mathematics, OER Faculty Fellow, mbanuelos22@csufresno.edu

Bryan Berrett  
Professor, Deaf Studies  
Director, Center for Faculty Excellence, bryanberrett@csufresno.edu

David Drexler  
Scholarly Communication Librarian, ddrexler@csufresno.edu