CREATING WAYS TO IMPLEMENT OER ON CAMPUS

DR. KIERSTEN BAUGHMAN & MELISSA REMICK

AGENDA

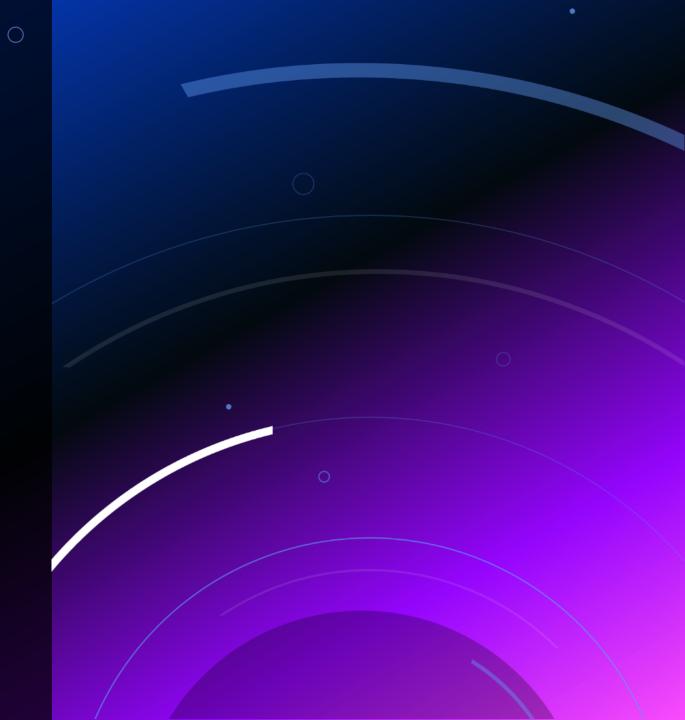
Defining OER

Challenges of OER

What has worked?

Funding options

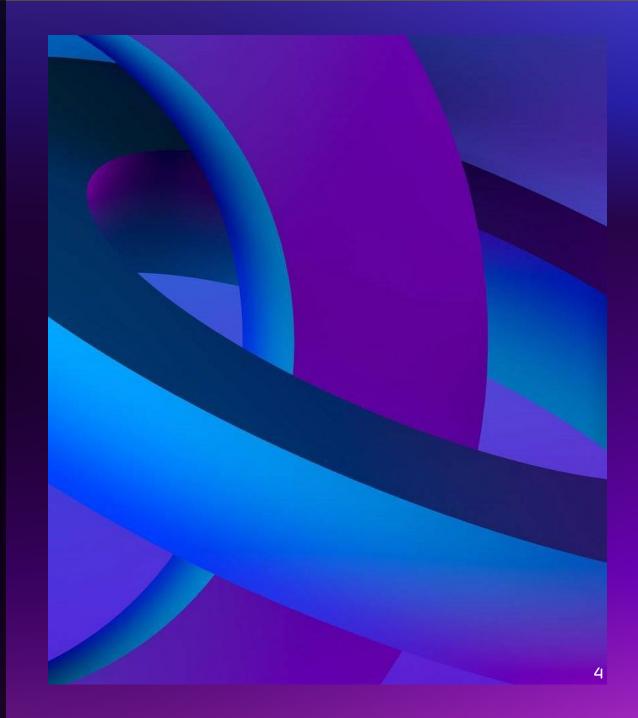
Moving forward



THE WONDER OF

HURDLES TO IMPLEMENTING

O E R



OER SUCCESSES

- Large general education course curricula
- Faculty-led committee exploration
- Offsetting publisher costs
- Individual faculty/course transformation

OER IN ENGLISH

OER IN MATH



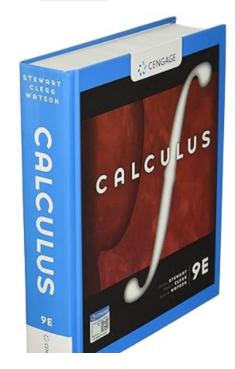
VALLEY CITY STATE UNIVERSITY

OER: VCSU Math



Textbooks (purchase)

Books > Science & Math > Mathematics



ISBN-10	ISBN-13				Other Oseu, New, Coll	cetible non
	ICDN 17	Edition	Publisher	Publication date	Other Used, New, Coll	ectible from
Report an issue wit	n this product or seller				Paperback \$82.00	
problem sets. Selected a refinements retain Stew accompanying WebAssig Showing that Calculus is	nd mentored by Stewart, art @ s clarity of exposition	Daniel Clegg and and make the 9th g support and new iful, the Stewart a	Saleem Watson continue h Edition an even more u w resources like Explore I pproach and WebAssign	his legacy and their careful sable learning tool. The t interactive learning modules.	eTextbook \$49.49 - \$86.49 Available instantly	Hardcover \$105.99 - \$199.
	-		•	Calculus series is the top-seller outstanding examples and	with Prime Try Prime and start so free delivery	aving today with fas
Calculus 9th Edition by James Stewart (Author), Daniel K. Clegg (Author), Saleem Watson (Author) 4.4 ***** 401 ratings				See all formats and editions	Enjoy fast, free deliv	•
	Faition			(凸)	prime	

Sponsored C

95 De Save: \$89.96 (31%)

> **VALLEY CITY** STATE UNIVERSITY

Textbooks (OER)

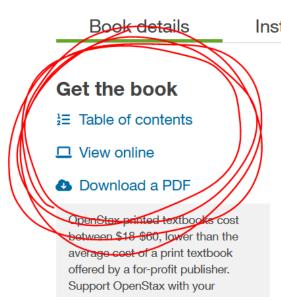
epen**stax**[™] Access. The future of education.

Calculus

Volume 1

Subjects Y

This textbook is available in English and Sp



Instructor resources

Student resources

Summary

Calculus is designed for the typical two- or three-se innovative features to enhance student learning. The concepts of calculus and helps them understand hc world around them. Due to the comprehensive natu three volumes for flexibility and efficiency. *Volume 1* integration.

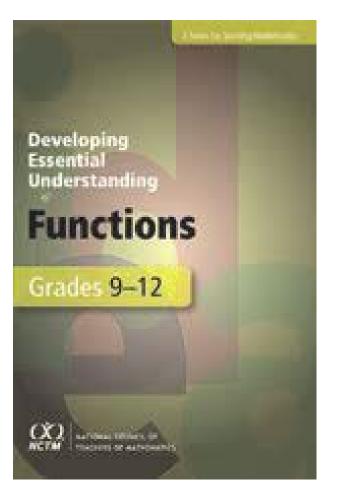
Please note that this title is published under a CC B

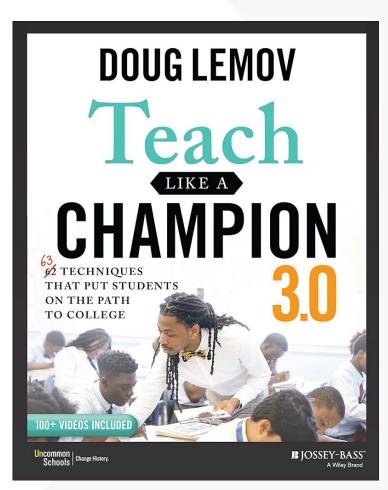


open**stax**[™]



Textbooks (via digital library checkout)





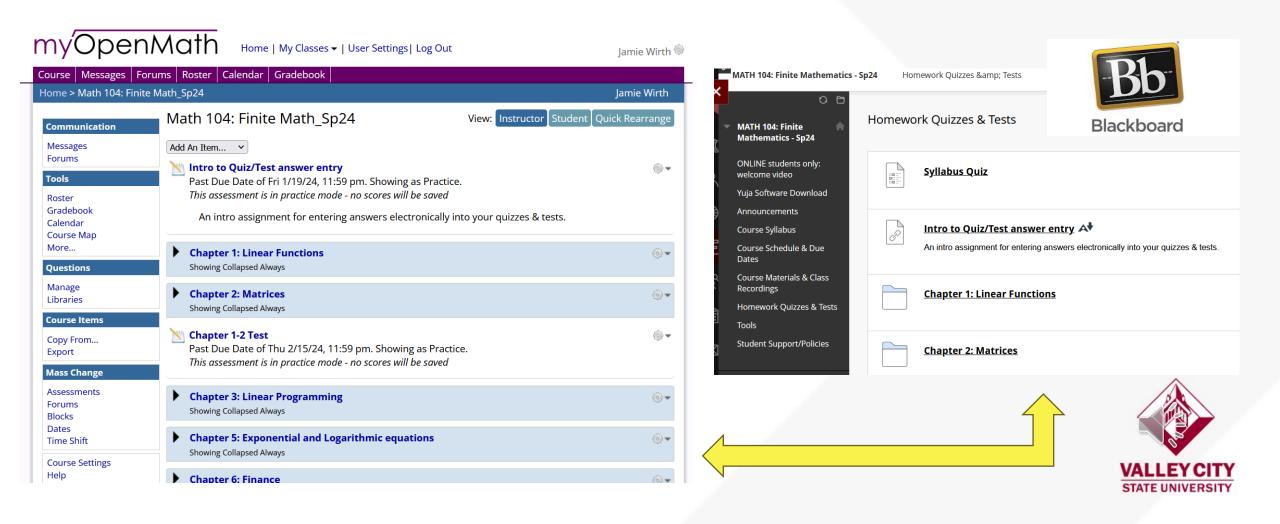


Online homework, quizzes, tests (purchase)

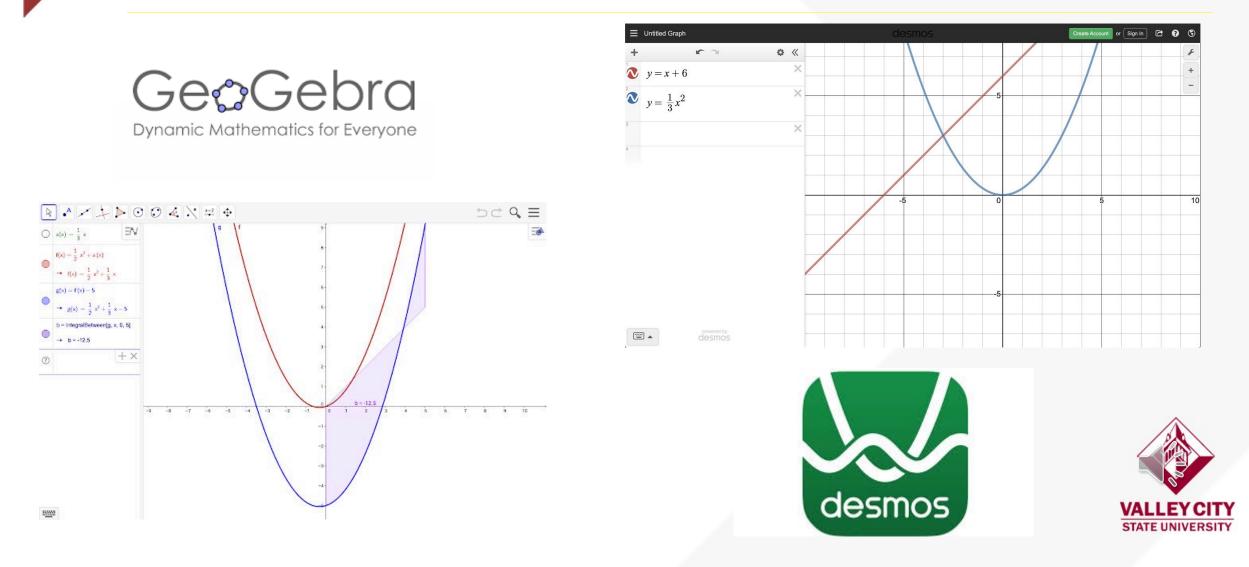




Online homework, quizzes, tests (OER)



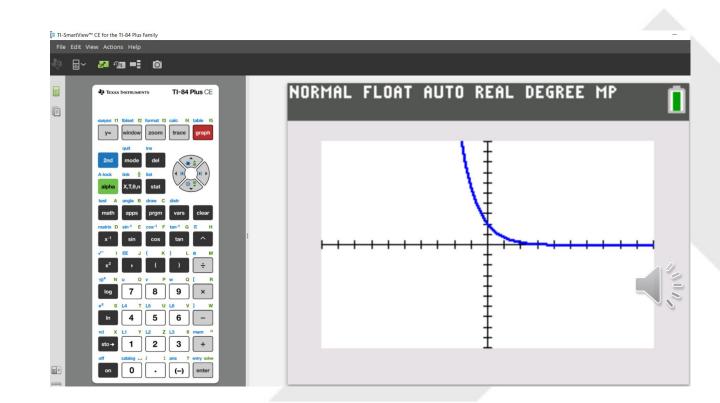






OER Math Technology

TI-84 CE: Available for checkout at VCSU Library

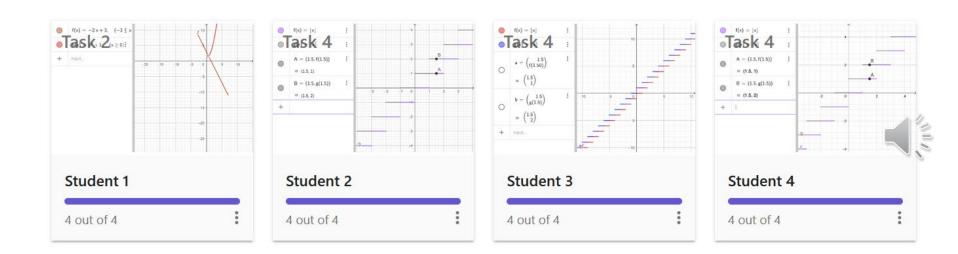


In-Class Participation

≡ Ge@Gebra Classroom



10 student(s) in lesson



PYHF 5BZT

SHOW NAMES

PAUSE

?

In-Class Participation

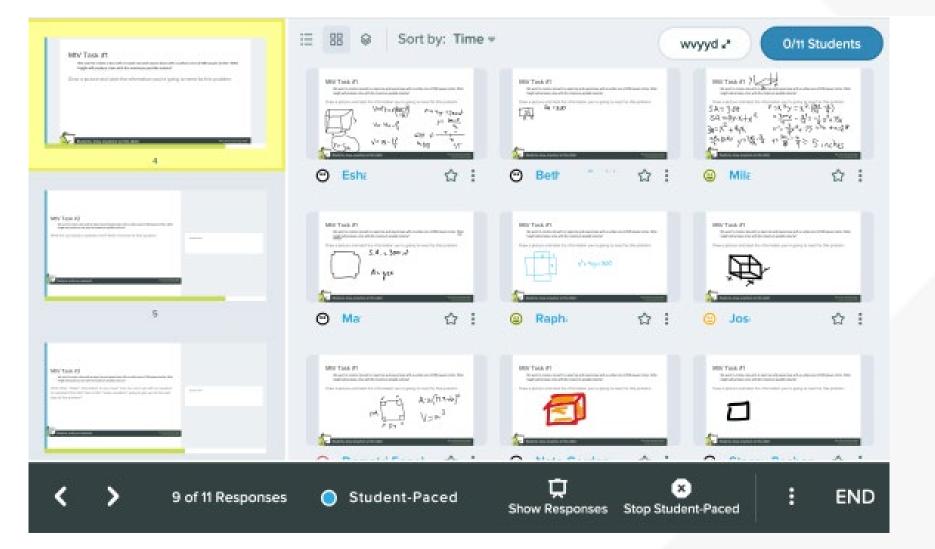
desmos classroom

STUDENTS NKMZB 🔅 «	Function Carnival, Part 2	0	desmos	Desmos -
nes Maxweil ariotte Scott queline Ferrand I-Yung Alice C ia Kovalevskaya	1 Function Carnival Re Hard's a graph bon Function Carnival. In Utilis activity, will add something to k.	2 Observe	3 Explain with words. Hows an interesting point on the grain.	4 Check your answer. Were you right? Press "Zoom" to find out.
getumi Mori n d'Alembert 1 Singei mille Jordan artes Lawis Ret.	5 Now It's your turn. () Drag the time ports anywhere you want on the @	6 Function Notation () Here's what you wrote on the previous scream 2 2	7 Translate () 1 Translate ()	8 Sort the cards int 🛞
na Taimina • • att Williams • • nes Sylvester • • • • • • • • • • • • • • • • • • •	9 Consider the activa() Wills words, we might say: "Aher 7:5 econds #	10 Shifting Gears in Function Gartivat, we also explored the missionatip batware the green carrs	$ \begin{array}{c} \textbf{11 Challenge #1 (c)} \\ 11 Challeng$	$\begin{array}{c c} \textbf{12 Challenge #2} & \textcircled{()} \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ \hline & & & \\ & & & $
ny Ross is Schaltschn	13 Settle a Dispute () Af claims that f(a) = 0.3 thas multiple relations.	14 No Solution		

d Function Carnival, Part 2 NKMZ8							Summary	Teacher	icher Student
Anonymiles Packing Paulas So STLCENTS	1 Functio.	Ann Dick Vield	3 Explain .@	4 Check Wate View Water W	5 Now it'	6 Functio	$\frac{\textbf{7 Translate}^{\odot}}{\int_{-\infty}^{\infty} \frac{2\pi m^2}{f(x)}}$	8 Sort the D	9 Consid
James Maxwell	-	0		0	0			~	0
Charlotte Scott	12-22	0		0	0			~	0
Jacqueline Ferrand		0	(e)	0		0	(.e.)	4	0
Sun-Yung Alice C		0				0		~	
Sofia Kovalevskaya		0		0			(#)		0
Shigefumi Mori		0		0	0			~	
Jean d'Alembert						0			
Carl Siegel	_	0			0	0			
Camille Jordan		0		0				~	
Charles Lewis Re	-	0	1						
Diana Taimina		0			0			~	0
Scott Williams		0				0		~	0
James Sylvester	_	0				0			



In-Class Participation











Our students typically don't purchase textbooks.

• Only a few select upper-level courses require the purchase of an inexpensive textbook.

Our students do not pay any access/subscription fees.

Our students are not required to purchase any specific calculators.



FUNDING OPTIONS

OER is not limited to free resources; but also include low-cost materials.

• External grants

0

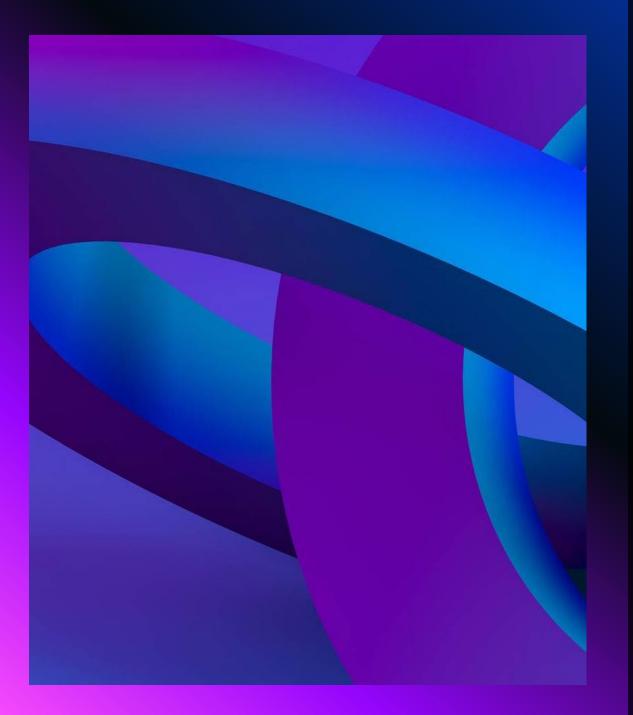
- Internal grants
- Fee per credit hour
- Institutional adoption

0

FUTURE OPPORTUNITIES

- 1. Institutional support
- 2. External searching
- 3. Creating new content
- 4. Others?

0



OER ON YOUR CAMPUS

Brainstorm how coursework/programs/departments could infuse OER moving forward.

QUESTIONS?

Dr. Kiersten Baughman

kiersten.baughman@vcsu.edu

Melissa Remick melissa.remick@dakotacollege.edu