

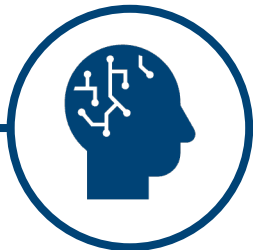
Enhancing Inclusive and Equitable Instruction through Developing Open Courses in the Schools of Mathematics and Psychology

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2023 Wisconsin Open Education Symposium

Project Goals

- Funded through fellowship from
 - Georgia Tech Center for Promoting Inclusion and Equity in the Sciences
 - Howard Hughes Medical Institute (HHMI) Inclusive Excellence Grant
- Using existing OER and our own course materials to develop interactive websites that students can engage in at **any point** during their studies.



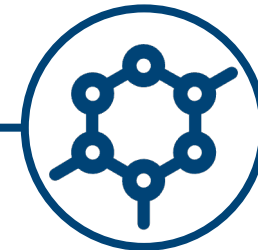
Develop Open Courses

College Algebra
Multivariable Calculus
Introductory Statistics



Assess Impact

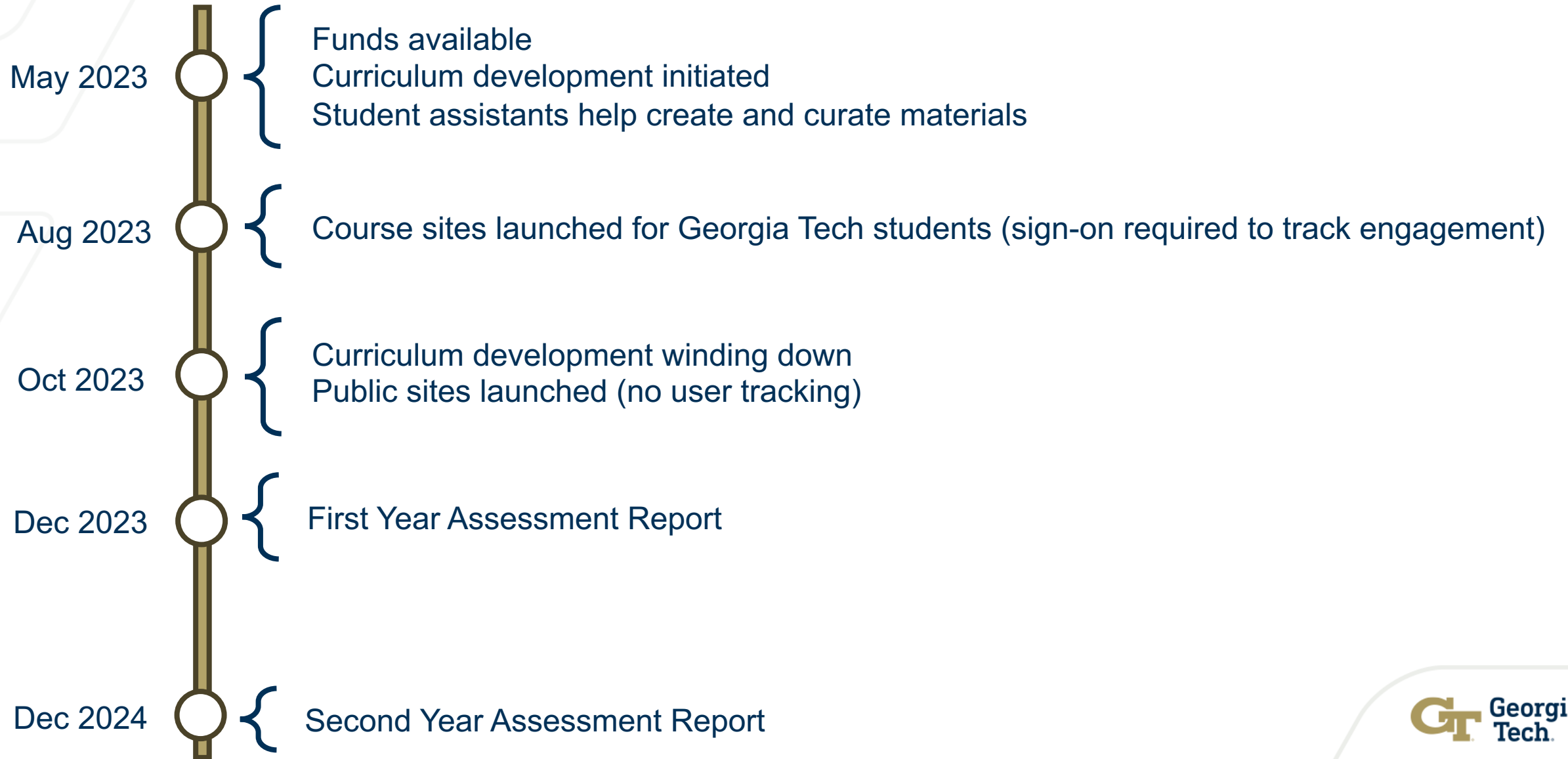
Site Analytics
Online Surveys



Disseminate

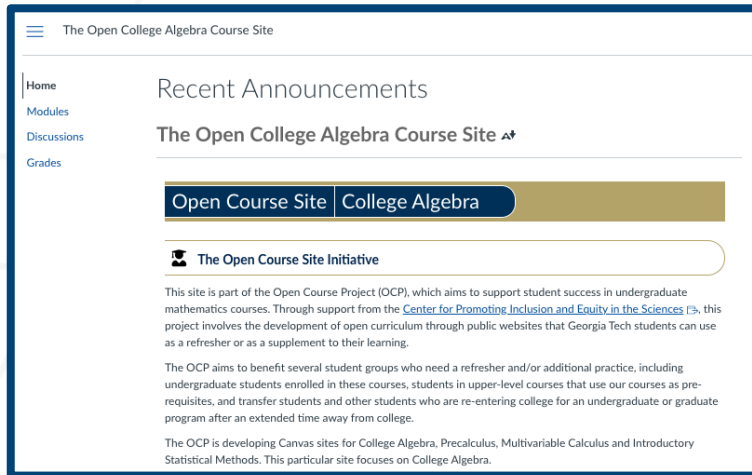
OER Repositories
Canvas Commons
Conferences

Timeline



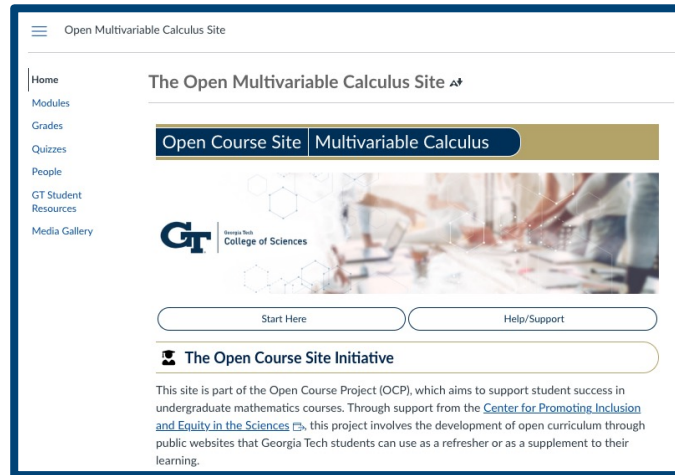
Open Course Features

College Algebra



The screenshot shows the 'The Open College Algebra Course Site' interface. It features a navigation menu on the left with options: Home, Modules, Discussions, and Grades. The main content area is titled 'Recent Announcements' and displays 'The Open College Algebra Course Site' with a 'Start Here' button. Below this is a section for 'The Open Course Site Initiative' with a brief description of the Open Course Project (OCP) and its goals.

Multivariable Calculus



The screenshot shows the 'Open Multivariable Calculus Site' interface. It features a navigation menu on the left with options: Home, Modules, Grades, Quizzes, People, GT Student Resources, and Media Gallery. The main content area is titled 'The Open Multivariable Calculus Site' and displays 'Open Course Site | Multivariable Calculus' with a 'Start Here' button. Below this is a section for 'The Open Course Site Initiative' with a brief description of the Open Course Project (OCP) and its goals.

Statistics



The screenshot shows the 'Open Resources for Statistics' site interface. It features a navigation menu on the left with options: Home, Assignments, Discussions, Grades, People, Pages, Files, Syllabus, Quizzes, Modules, Collaborations, Chat, Office 365, TurningPoint, CLOS, Badges, and Ed Discussion. The main content area is titled 'Open Resources for Statistics' and displays 'Welcome to Open Resources for Statistics' with a 'Start Here' button. Below this is a section for 'The Open Course Site Initiative' with a brief description of the Open Course Project (OCP) and its goals.

- Canvas LMS
- Canvas Quizzes
- Pre-recorded video
- Site content exported as QTI
- User tracking
- Surveys
- Conditional release (users must complete surveys to access content)

Challenges and Insight

- Challenges
 - Technical issues making a public Canvas page
 - User tracking on public Canvas sites
 - Student assistant hiring and training
- As a Result of Working on this Project
 - Using course materials current and future offers of courses
 - Additional learning resources for students across campus and beyond
 - Helping transition away from publisher materials to free open access
 - Used statistics curriculum as placement test
 - Greater awareness of OER at our institute

Where to Find Our Work

- Curriculum development still underway.
- GT Websites (for GT students only for user tracking)
 - [College Algebra](#)
 - [Multivariable Calculus](#)
 - [Statistics](#)
- Public Websites
 - [College Algebra](#)
 - [Multivariable Calculus](#)
- OER Repositories
 - Multivariable Calculus Quizzes: [OER Commons](#), [MERLOT](#)

Questions

- We would be happy to answer any questions that you might have about our work!
- Contact information:
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 - Greg Mayer, greg.mayer@gatech.edu
 - Hi Shin Shim, hishin@gatech.edu
 - Bekki George, bekgeorge@comcast.net