

CSU Monterey Bay redesigned their four, general education (GE) math and statistics courses, and created one-credit supplemental (corequisite) courses addressing Executive Order 1110 requirements for:

- Math 115: Finite Mathematics
- Math 100: Quantitative Literacy
- Math 130: Precalculus
- Statistics 100: Introduction to Statistics

EdReady is a mandatory graded component of GE the supplemental courses (Math 10, 15, and 30, and STAT 10). With EdReady integrated as a key component in these one-unit courses, students have made extremely positive progress and have a better pass rate for each college-level GE Math/STAT course as to compared with the previous years' pass rate.

DESIGN DETAILS

One-unit corequisite support courses were customized to directly align with and support GE B4 courses.

- Class meetings: Once a week, 1 hour, 50 minutes.
- Class size: 25 students per section.
- Class support: One instructor and Teaching Assistants for each section in facilitating EdReady.

All B4 courses were redesigned and restructured; incorporating new pedagogies (Reading Apprenticeship, Complex Instruction), and incorporating EdReady to better support the success of all students. The GE B4 course redesign included an interactive approach:

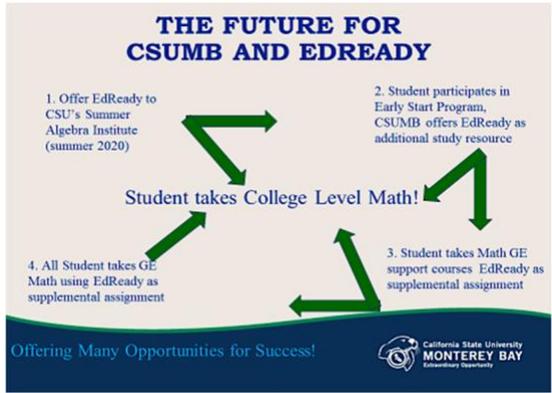
- A typical day in class will address specific topics. Students work on activities; individual and/or group quizzes are embedded in every class.
- All instructors use EdReady which is projected on two or three large screens in the classroom.
- Peer Tutors are present in classrooms/labs to provide immediate assistance to students who need help; each tutor is personally responsible for tracking the progress of 15-20 students

POSITIVE RESULTS

- Redesigns in accordance to EO 1100/1110 resulted in higher pass % in the two largest GE B4 courses, MATH 130 and STAT 100.
- Faculty members collaborated more than ever!



Like most campuses around the California State University system, CSU Monterey Bay has been working to develop solutions to support policy changes introduced by Executive Order 1110. These solutions include the implementation of basic skills support for general education (GE) math and statistics courses. The solution in development is multifaceted as the diagram below depicts, but has a common thread... to provide EdReady, alongside other high-impact resources and pedagogical approaches, to support students on their pathway to CSU success.



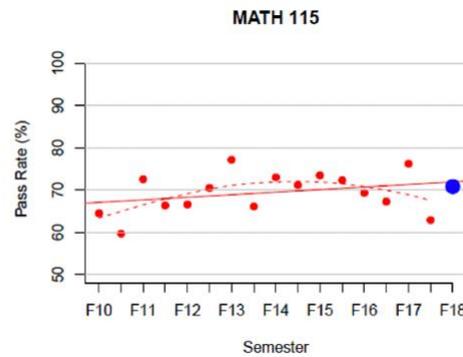
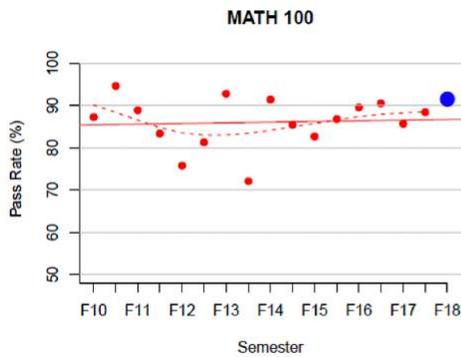
THE FUTURE FOR CSUMB AND EDREADY

1. Offer EdReady to CSU's Summer Algebra Institute (summer 2020)
2. Student participates in Early Start Program, CSUMB offers EdReady as additional study resource
3. Student takes Math GE support courses EdReady as supplemental assignment
4. All Student takes GE Math using EdReady as supplemental assignment

Student takes College Level Math!

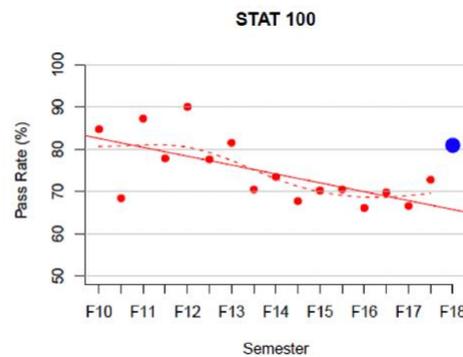
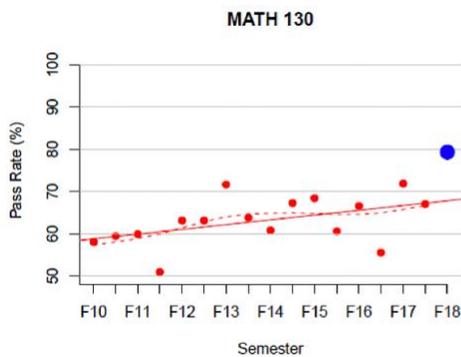
Offering Many Opportunities for Success!

California State University
MONTEREY BAY
Extraordinary Opportunity



Estimated trends using data points before EO 1100/1110

Resulting outcome in F18



Freshman, Transfer & Continuing Students

GE course	Freshman		Transfer		Continuing		Overall	
	Pass %	N (%)	Pass %	N (%)	Pass %	N (%)	Pass %	N
MATH 100	97%	32 (46%)	75%	4 (6%)	88%	34 (49%)	91%	70
MATH 115	79%	39 (37%)	68%	22 (21%)	64%	45 (42%)	71%	106
MATH 130	81%	321 (74%)	100%	28 (6%)	67%	86 (20%)	79%	435
STAT 100	85%	143 (51%)	88%	17 (6%)	76%	123 (43%)	81%	283
Overall	83%	535 (60%)	86%	71 (8%)	73%	288 (32%)	80%	894