

BRIDGING THE GAPS:

*ONLINE COURSES, ONLINE SECTIONS
AND BLENDED INSTRUCTION AS
MEANS TO SOLVE BOTTLENECKS FOR
STUDENTS*

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PROGRAMMATIC BOTTLENECKS

- ▶ Required Gateway Courses for Transfer Students
 - ▶ Problem: Can't Enroll in Time
 - ▶ Solution: Online Courses in Summer Session
 - ▶ Example: UCSB Biochemistry Gateway

SEQUENCING BOTTLENECKS

- ▶ Required Courses Taken Out of Sequence
 - ▶ Problem: Upper Division Students Competing for Space with Lower Division Students
 - ▶ Solution: Blended Instruction with Online Lecture for Upper Division Students
 - ▶ Example: UCSC Anthropology

PREPARATORY BOTTLENECKS

- ▶ Preparatory Gaps for Undergraduates
 - ▶ Problem: Gaps in Essential Preparatory Coursework/
Skills in High School or Lower Division
 - ▶ Solution: Blended Instruction Incorporating Pretesting,
Supplementary Material, and Post Testing for Mastery
 - ▶ Example: ALEKS for UCSB Chemistry