



Supplemental Instruction: Peer-Facilitated Collaborative Learning

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Supplemental Instruction (SI)

- Peer tutoring model
- Provides in-class and out-of-class support for high-challenge courses
- Facilitated by SI Leaders
 - UHD students
 - Attend assigned class
 - Conduct weekly SI group study sessions
- Shown to improve student performance and retention

SI at the University of Houston-Downtown

- Founded in 2000 as part of a DOE Title V grant
- Several expansions
 - 2006 QEP – U.S. History, College Algebra, Composition II
 - 2011 THECB CSSP grant – General Biology I, General Chemistry I
 - 2016 THECB CRSM grant – Beginning and Intermediate Algebra





Fall 2016 SI Leader cohort.

Characteristics

- Current UHD students
 - Taken and mastered the target course (B or higher)
 - Maintain minimum 3.0 cumulative GPA
 - Demonstrate effective communication skills, professionalism, and integrity
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- SI Leader graduation rate (FY13-FY17): **94%**

SI Leader Training

- 2-day training focused on:
 - Role and responsibilities
 - Collaborative study techniques
 - Customer service
 - Public speaking and presentation skills
 - Team-building

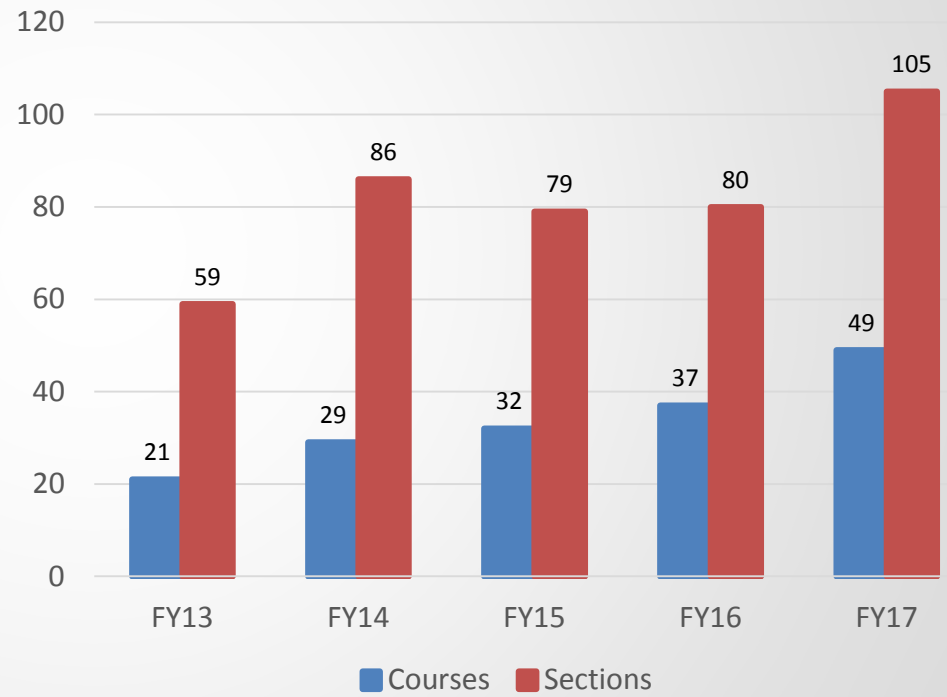
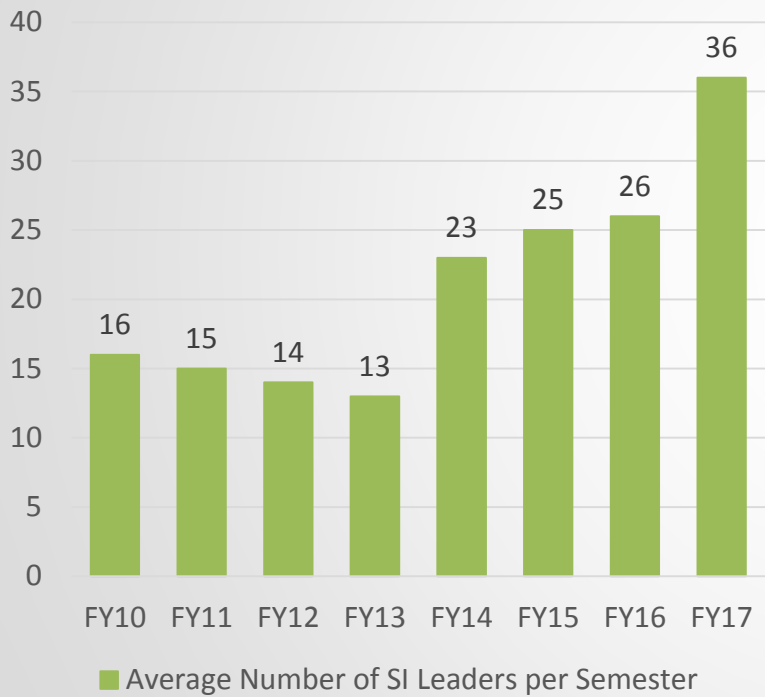
Benefits to SI Leader

- Content mastery
- Opportunity to collaborate with peers and faculty
- Improved leadership and communication skills
- Research experience
- Convenient job located on campus
- Excellent resume reference



SI Leaders Esmeralda Martinez and Evelyn Valdez-Rangel present data on the SI Program at the Innovative Teaching and Learning Symposium (2016).

Staffing Trends



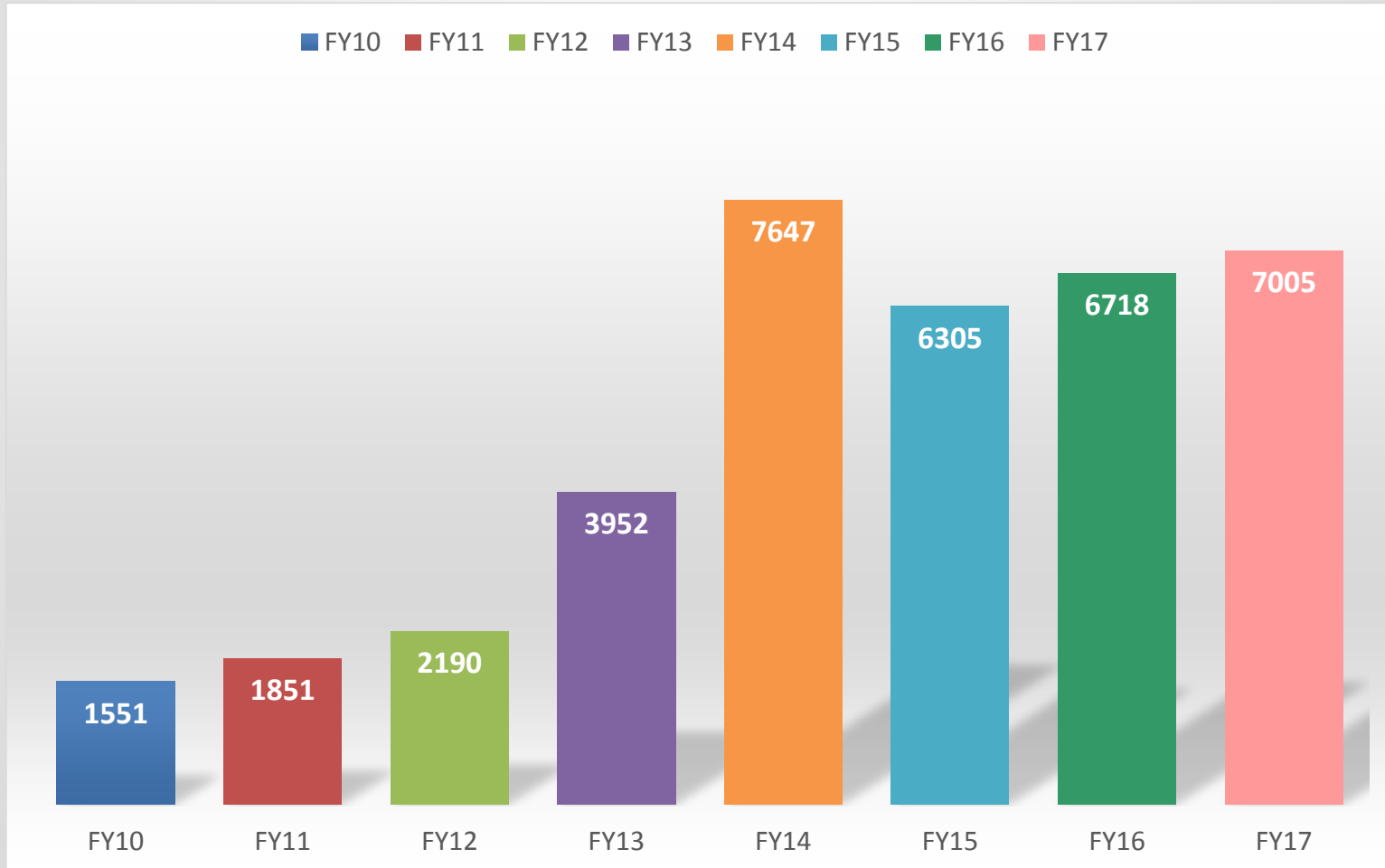
SI Study Sessions

- Based on activities that encourage group learning
 - Sessions are tailored to a specific course section
 - Students review content or study for exams in small groups
 - SI Leaders do not re-lecture or give out answers
- SI Leaders:
 - Integrate content with learning strategies
 - Empower students to take control of their own learning
 - Encourage the formation of study groups outside of class and SI sessions

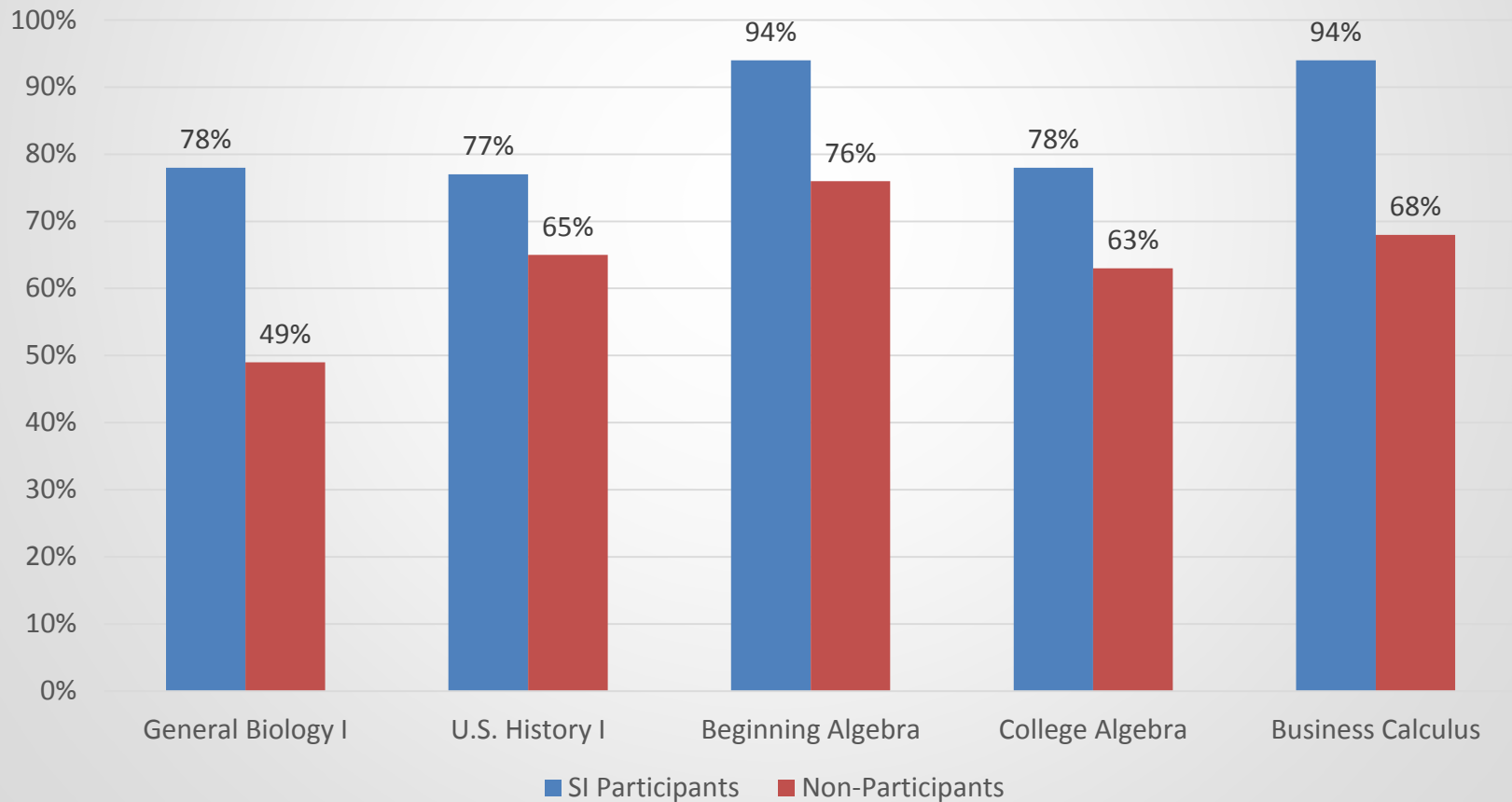


History SI Leader Carlos Guajardo conducts an exam review using the collaborative review software Kahoot! (Spring 2017).

Student Participation – Total Visits



Letter Grades of A, B, or C for SI Participants vs. Non-Participants



UHD Supplemental Instruction Mission Statement

*The mission of the Supplemental Instruction Program at UHD is to improve student comprehension, content mastery, and critical thinking skills through collaborative, peer-facilitated group study sessions. Our goal is to improve the individual performance of undergraduate students **in order to create a positive impact on institutional retention and graduation rates.***

- Study of the effect of SI on grades and graduation of full-time college-ready FTIC students over 6 years (664 students in SI sections, 1120 students in non-SI sections)
 - The ABC rate was **10 percentage points higher** for the SI sections vs. the non-SI sections.
 - The mean class GPA was **0.34 points higher** for the SI sections vs. the non-SI sections.
 - The 6-year graduation rate was **7 percentage points higher** for students in the SI sections vs. students in the non-SI sections.

