

What Happens in a High Impact Practice: Using Technology to Understand Student Experience

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What are High Impact Practices (HIPs)?

FULLERTON, CALIF.



Courtesy of Sheila Samperio

Sheila Samperio, a student at Cal State Fullerton, poses outside London's British Museum. She used university scholarships and her own savings to fund several "study away" trips.

Source : The Chronicle of Higher Education, March 12, 2017



A high impact practice is a pedagogical approach which requires **an investment of time and energy** over an extended period that has **unusually positive effects** on student engagement in educationally purposeful behavior (Kuh, 2010).



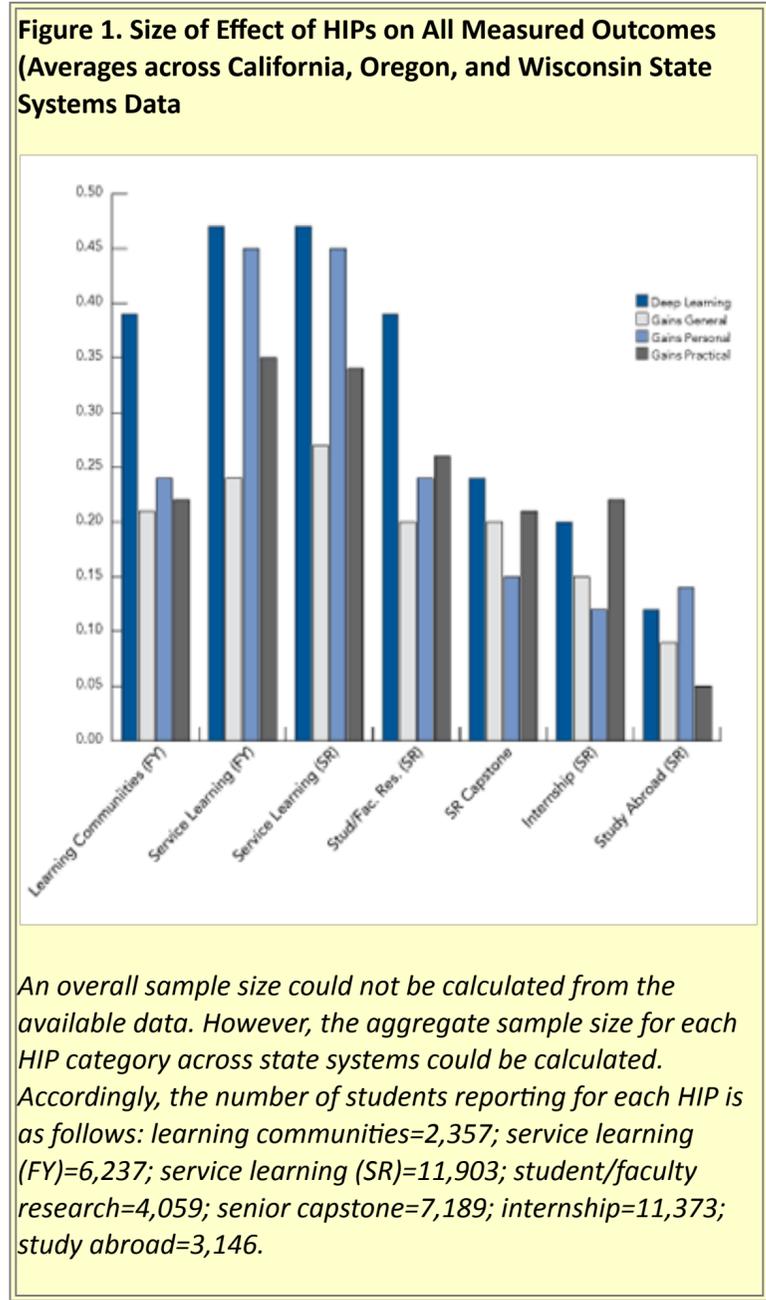
High impact practices are **evidence-based teaching and learning practices** that have been widely tested and shown to be **beneficial** for college students (Kuh, 2008).

Benefits of HIPs

Better Learning

Higher Satisfaction

Persistence / Graduation



Source: Finley (2011)
 Positive impact of HIPs participation on students' deep learning, gains in personal and social development.

Engage Students in HIPs



*Association
of American
Colleges and
Universities*

All students in higher education
participate in **at least 2 HIPs**

(Gonyea, Kenzie, Kuh & Laird, 2008)



CALIFORNIA STATE UNIVERSITY
FULLERTON

Increase participation in high
impact practices and ensure that
75% of CSUF students participate
in **at least 2 HIPs** by graduation



Our charge: Broaden Access to HIPs



Curricular:

- ✓ Course-based
- ✓ Focus on HIPs-ready courses that impact a large number of students



Co-Curricular:

- ✓ Program-based
- ✓ Focus on HIP-ready programs that have a stable group of student participants

Fall 2016 HIPs Courses

College of the Arts

ART 104 - 3D Design

Mihaylo College of Business & Economics

MGMT 465A - New Venture Creation and Funding
MKTG 353 - Marketing Information Technology
BUAD 300 - Professional and Career Development
BUAD 301 - Advanced Business Communications

College of Communications

HCOM 102 - Public Speaking
HCOM 235 - Essentials of Argumentation

College of Engineering & Computer Science

CPSC 120 - Introduction to Programming
EGCP 180 - Digital Logic and Computer Structures
EGME 304 - Thermodynamics
EGME 333 - Fluid Mechanics
EGCE 430 - Structural Steel Design

College of Education

EDEL 315 - Introduction to Elementary Classroom Teaching

College of Health & Human Development

HESC 101 - Personal Health
CAS 301 - Inquiry and Methodology in Development

College of Humanities & Social Sciences

ENG 101 - Beginning College Writing
ENG 300 - Analysis of Literary Forms
ENG 301 - Advanced College Writing

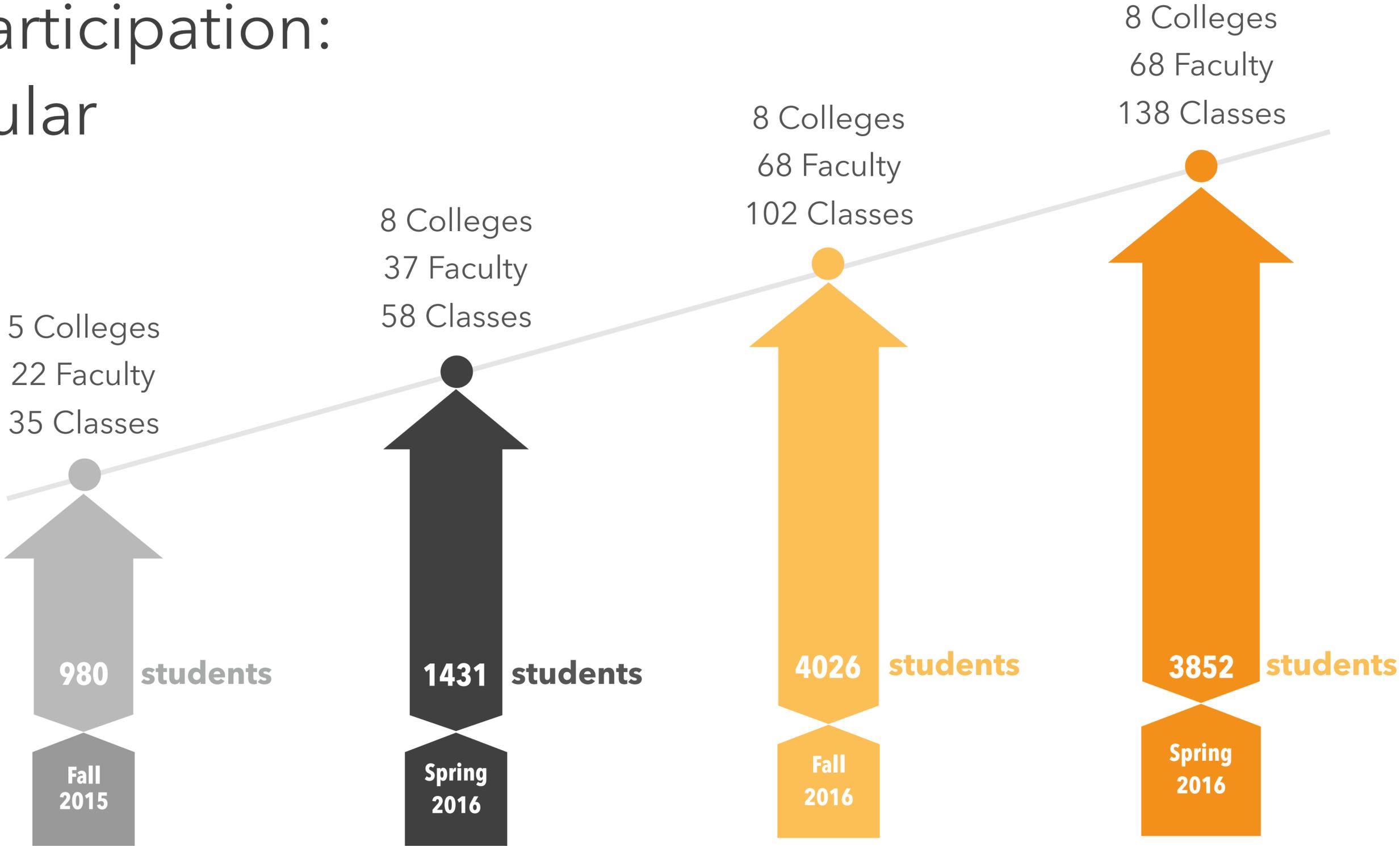
College of Natural Science & Mathematics

MATH 110 - Mathematics for Liberal Arts Students
MATH 115 - College Algebra
MATH 125 - Precalculus

Co-Curricular Programs

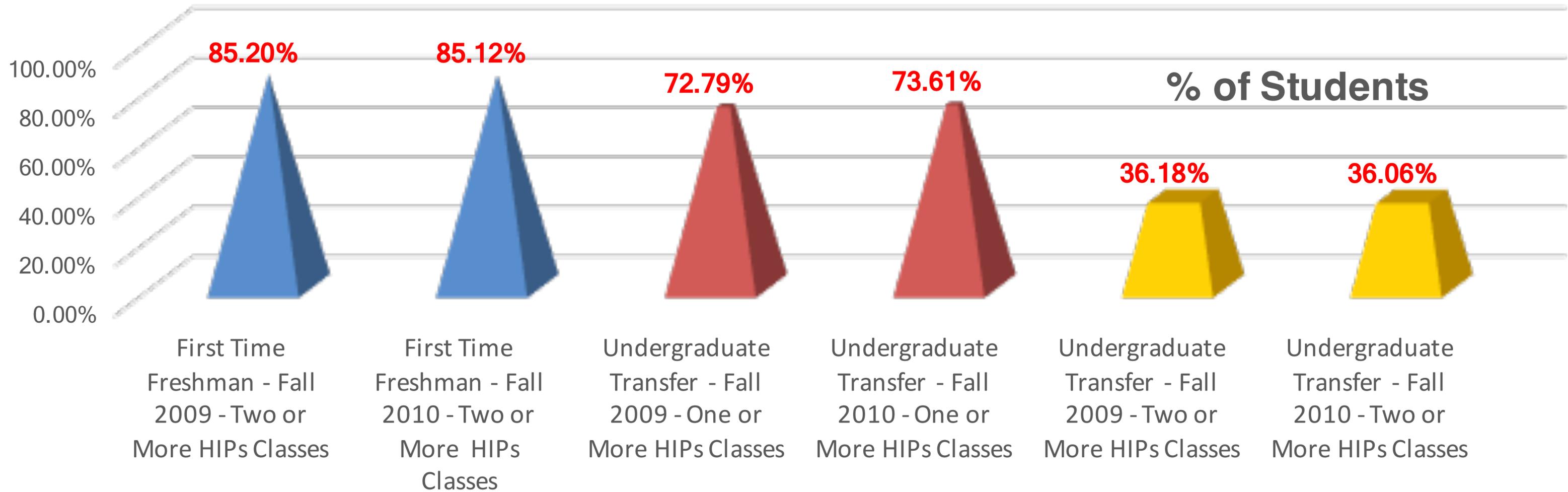
UNIV 115 - Optimizing the Student-Athlete Experience
Resident Advisors
HHD Theme Housing
Arts District Theme Housing
ASI Student Leaders
FSL Presidents
CSLP Directors

HIPs Participation: Curricular



HIPs Participation Simulation for Fall 2009 and 2010 Cohort

***Exceeding CSUF's
Strategic Plan Goal***



Quantity \neq Quality

Define HIP
Characteristics

Assessment
HIP Impact

Track HIP
Student
Experiences

Define HIP
Characteristics

HIPs Characteristics



Interaction



Diversity



Time & Effort



Reflective Learning



Feedback

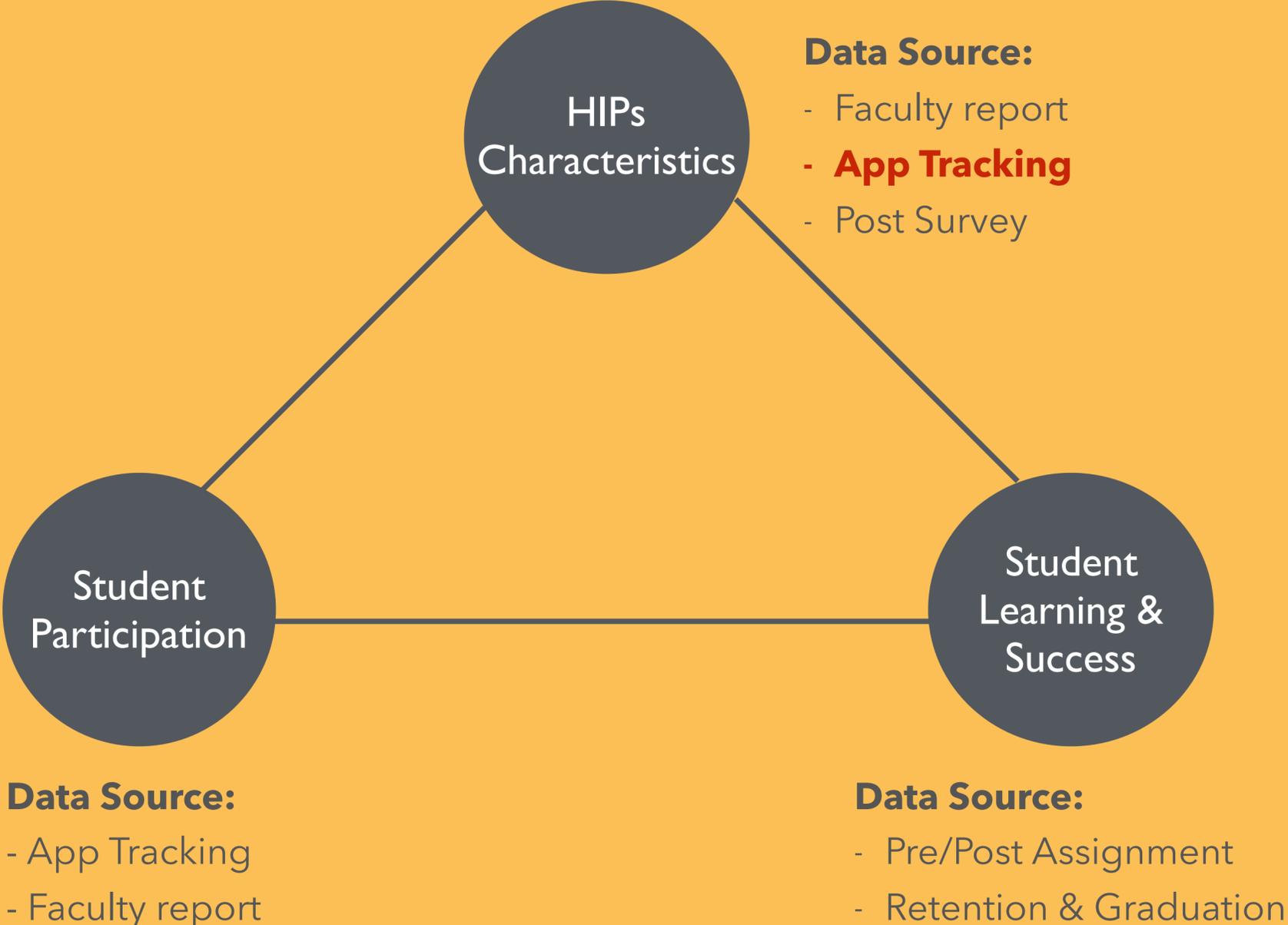


Experiential Learning

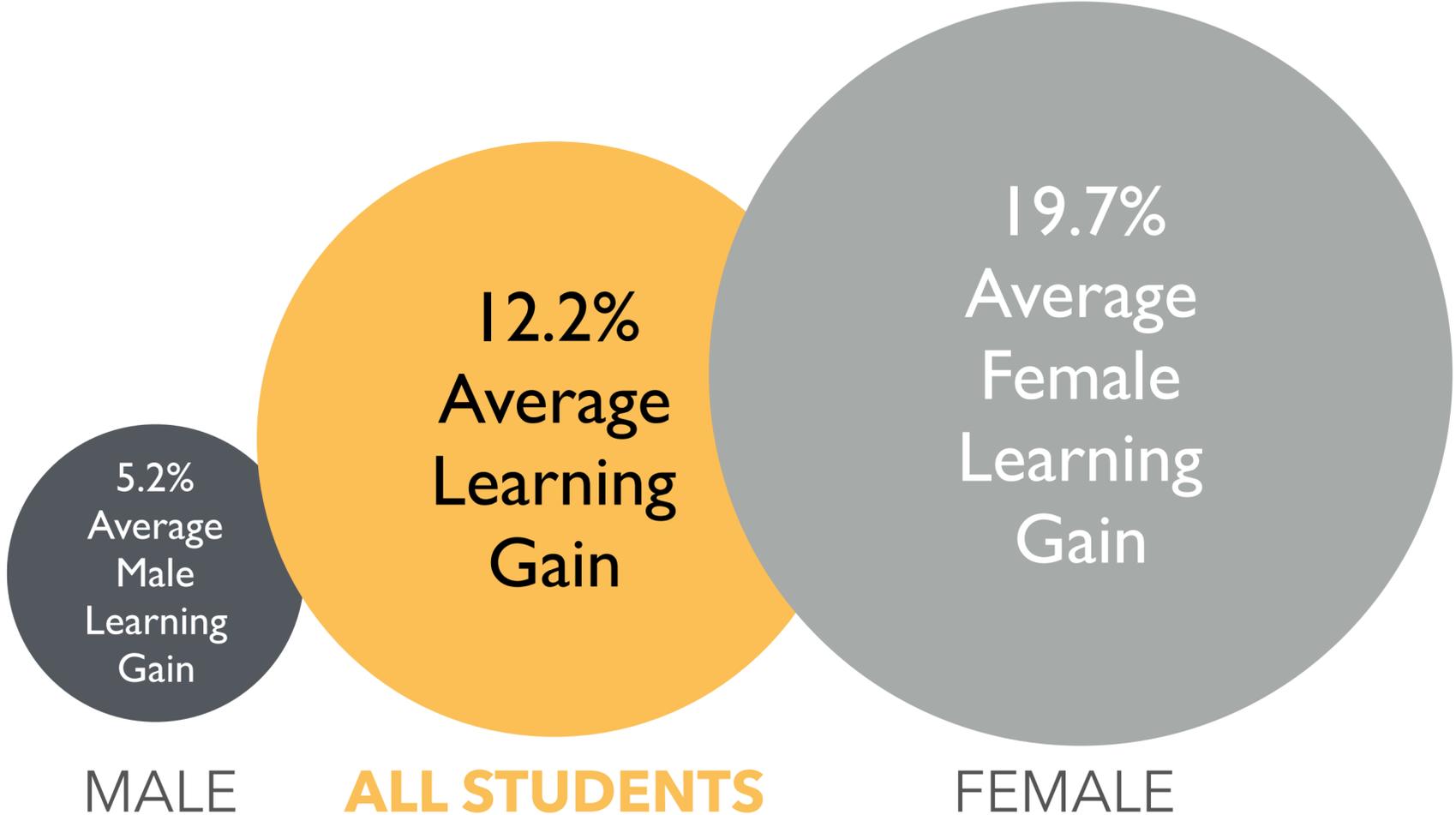


HIPs Assessment: Triangulated Approach to Ensure Quality

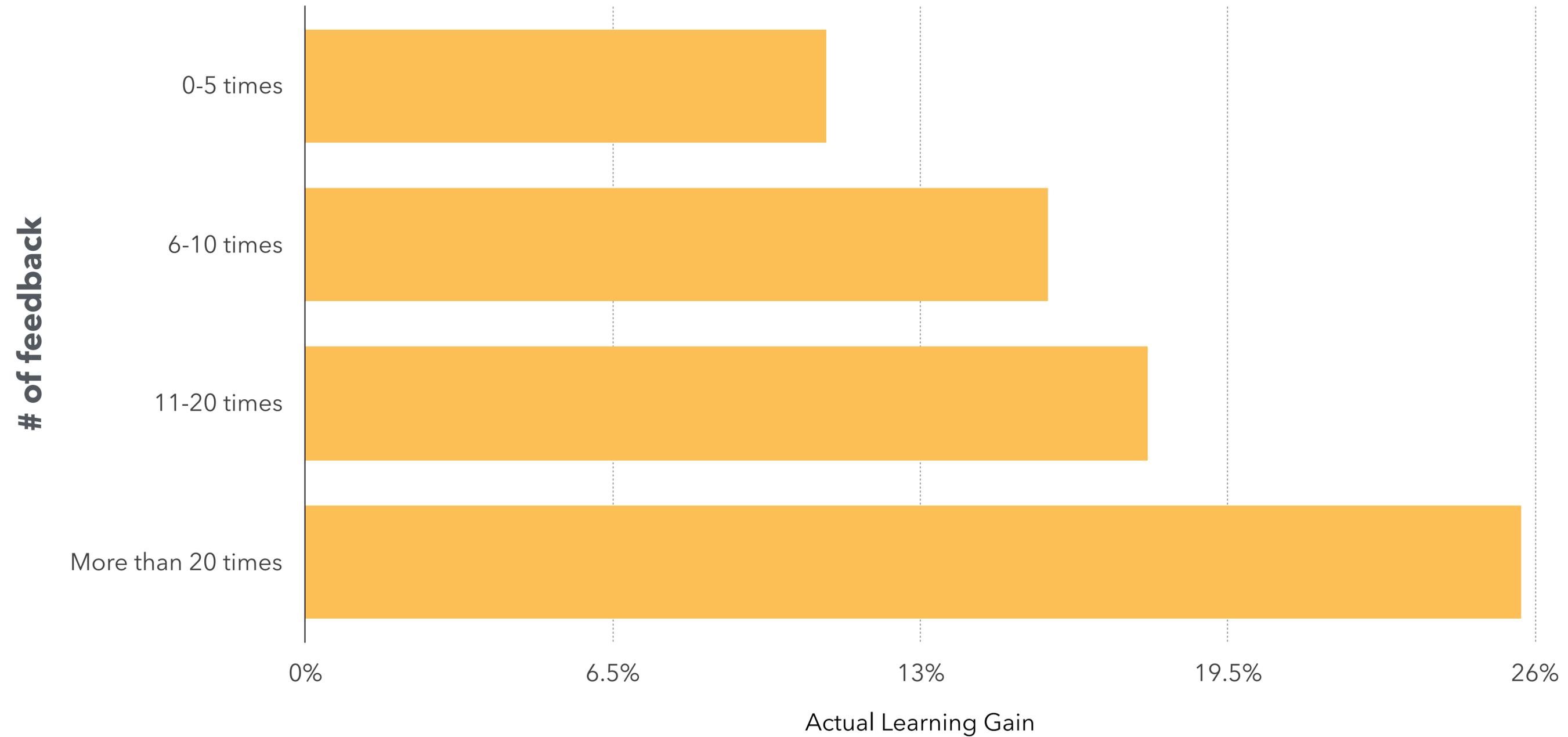
Assessment
HIP Impact



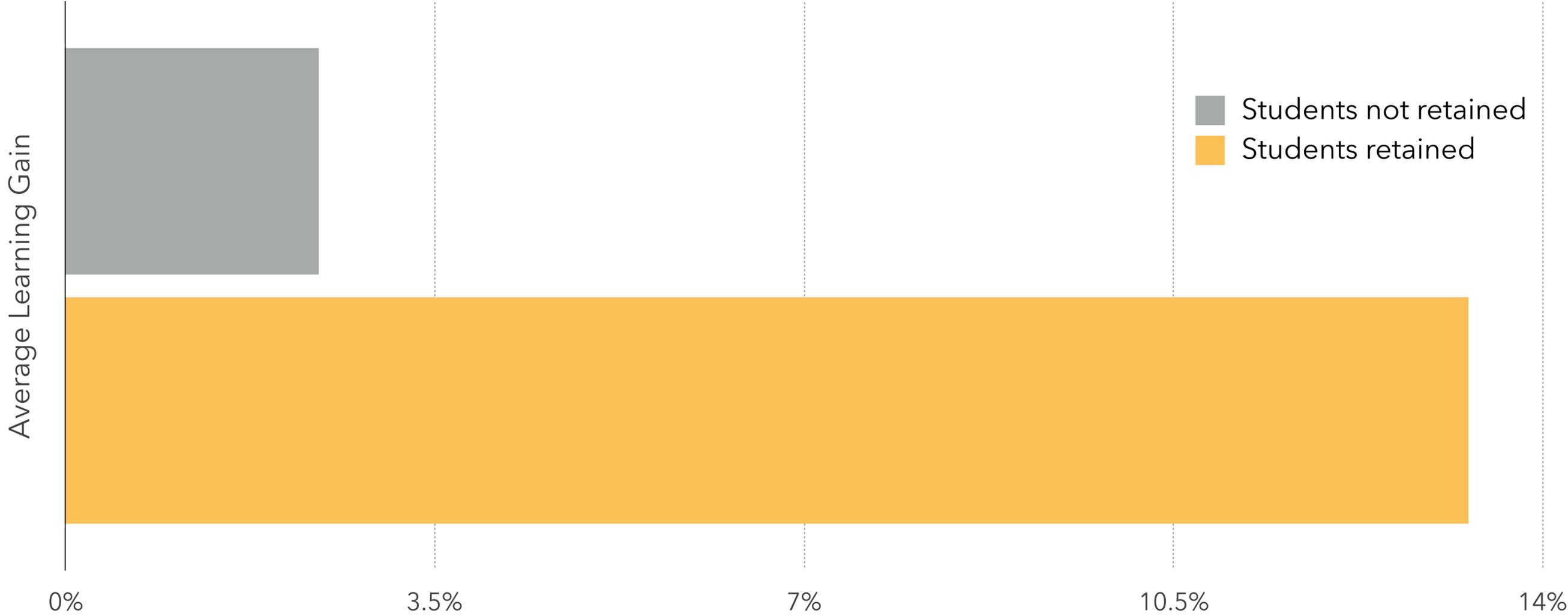
HIPs Impact: Positive Learning Gain within the HIP courses



HIPs Impact: HIPs Characteristics = Learning Gain

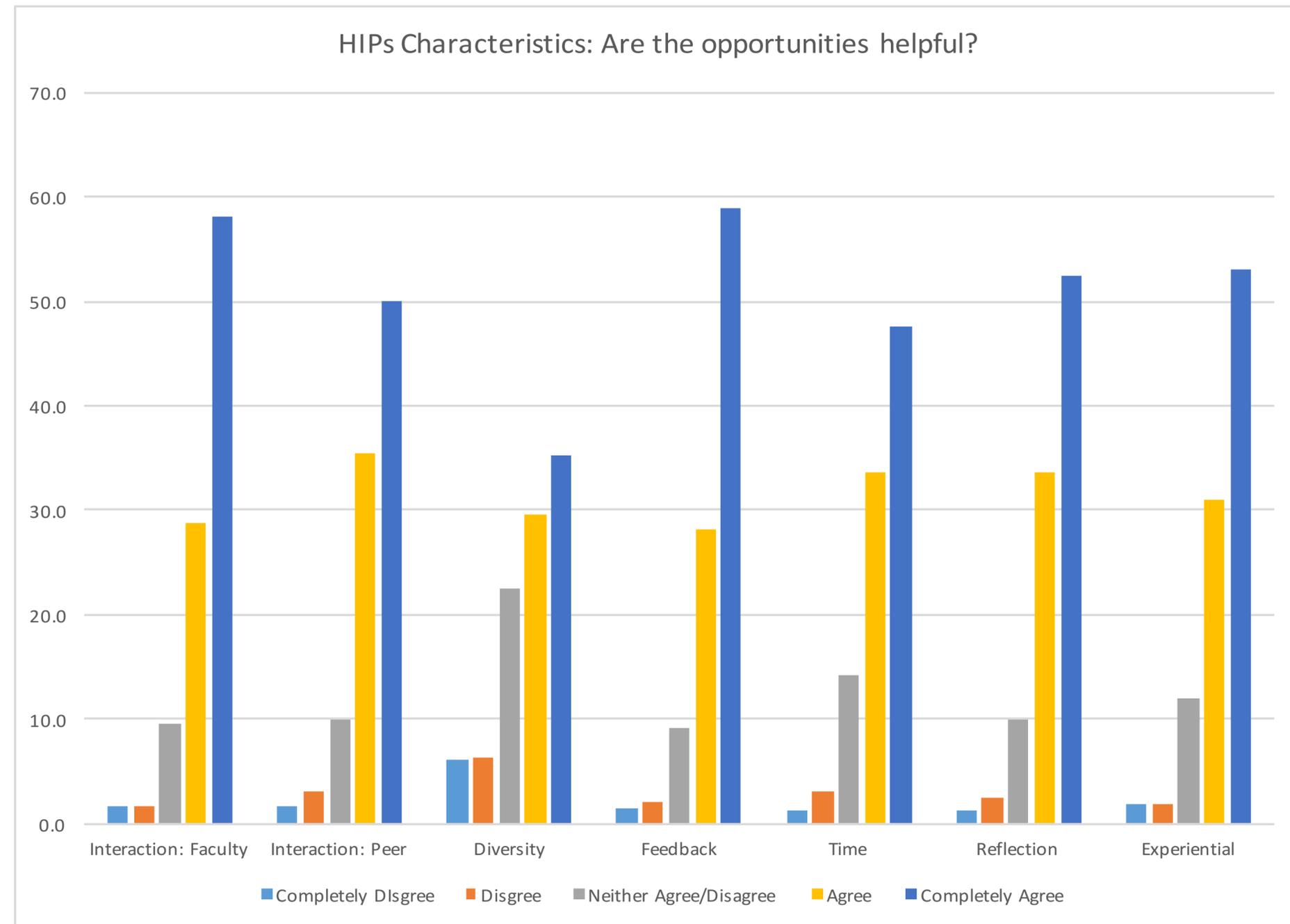


HIPs Impact: Better Learning = Higher Retention



HIPs Impact: Positive Student Experience

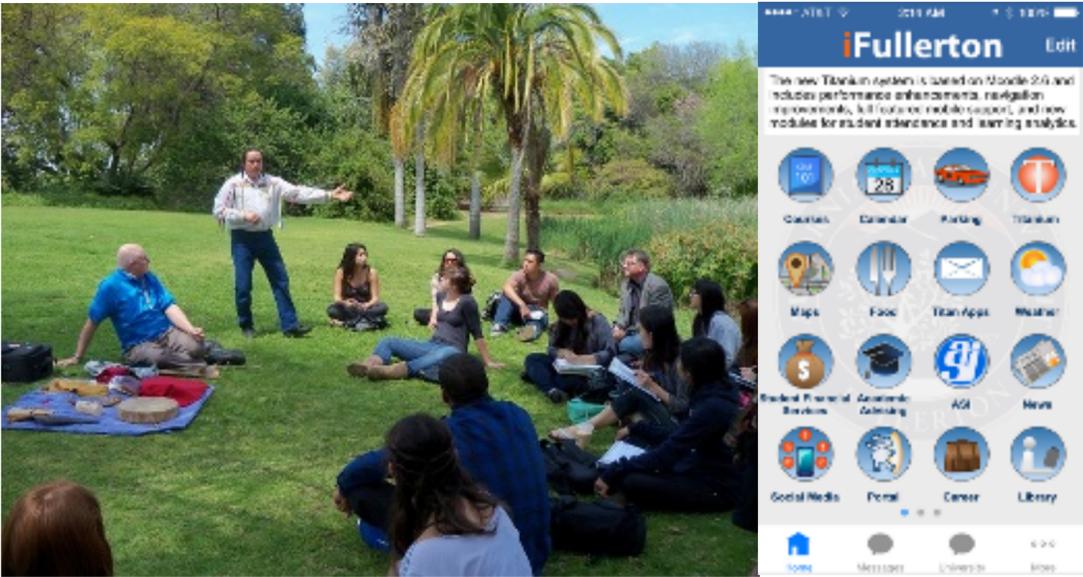
Percent of student survey responses regarding the usefulness of HIPs



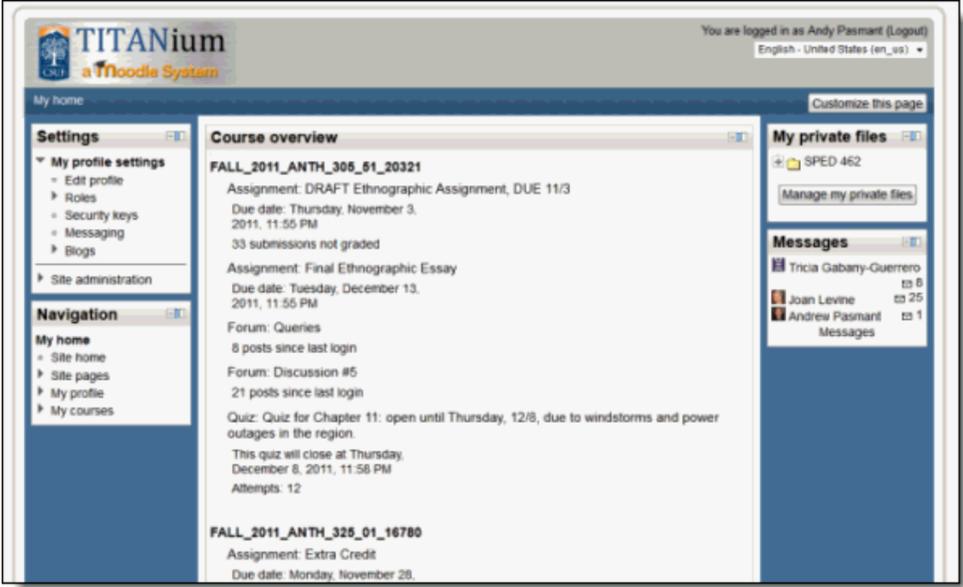
What Happens in a HIP?



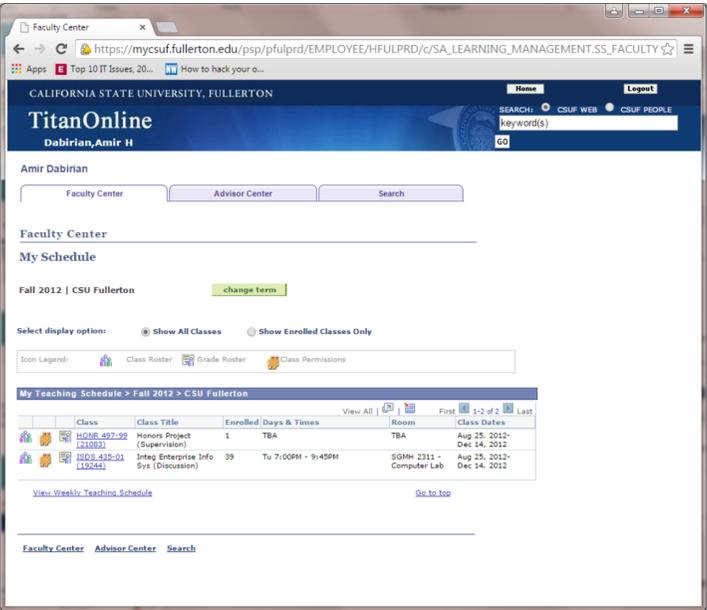
HIPs Tracking



Real Time Data Collection through App



Data Integration into Learning Management System



PeopleSoft Tracking and HIPs Designation

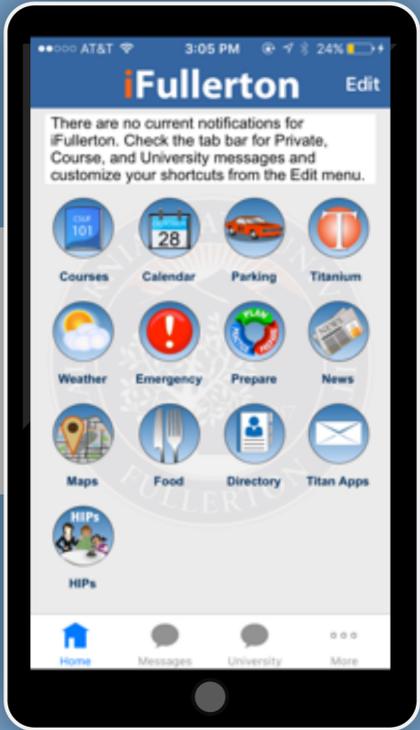
HIPs App: Harnessing the Power of an Existing App

iFullerton



Titanium Login

Students can access their LMS for their classes.



Class Registration

Students are able to register for their classes directly from their mobile device.

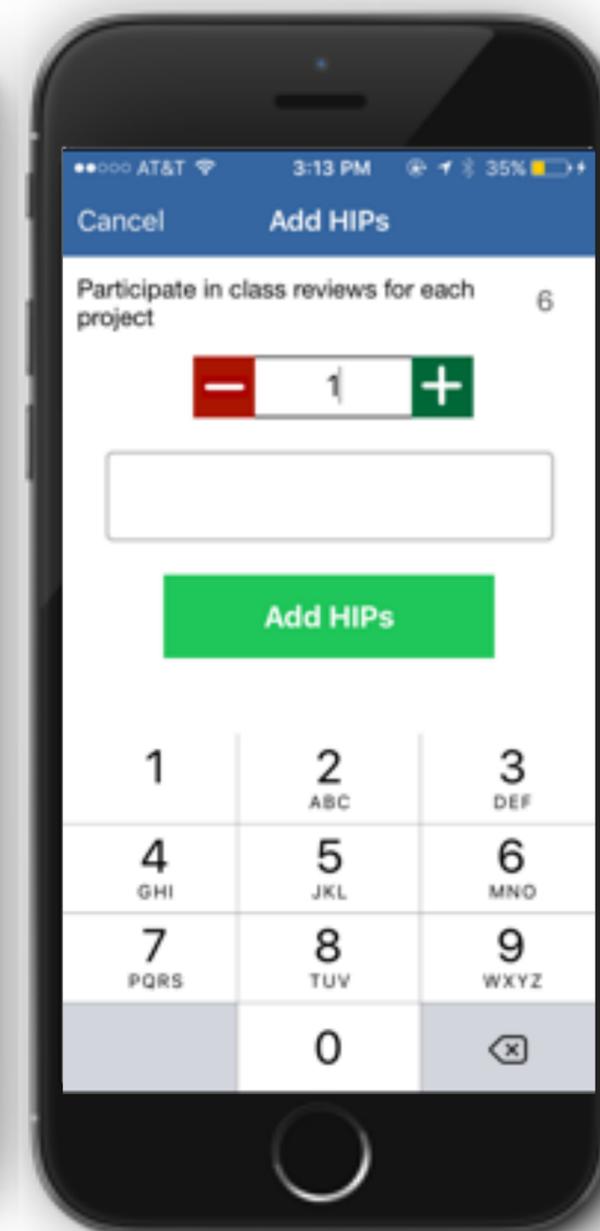
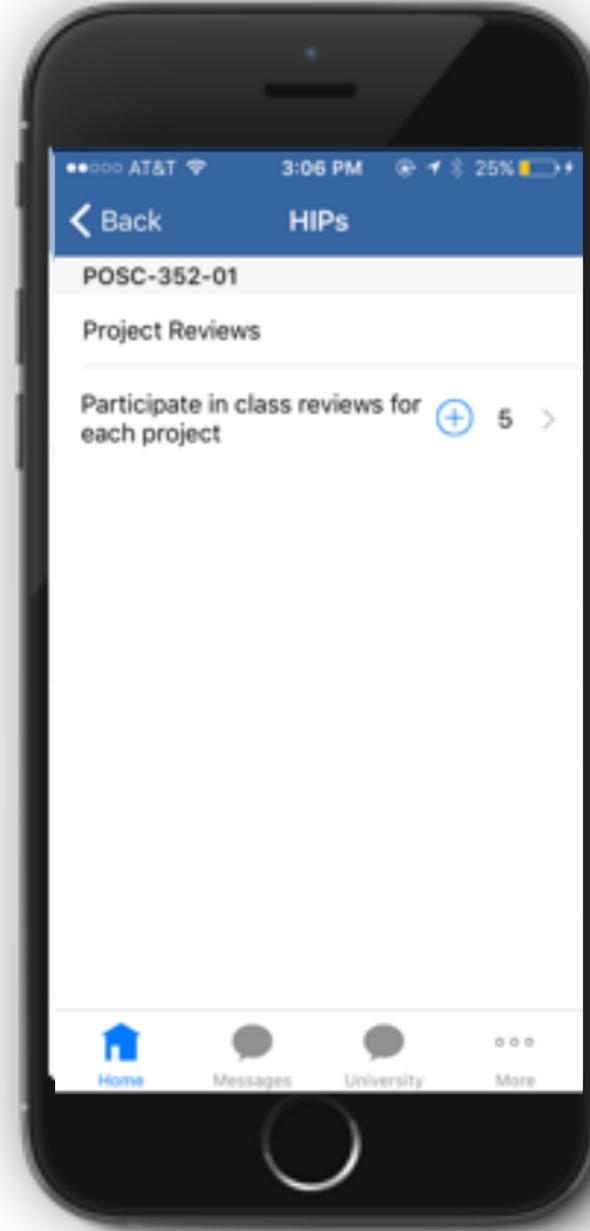
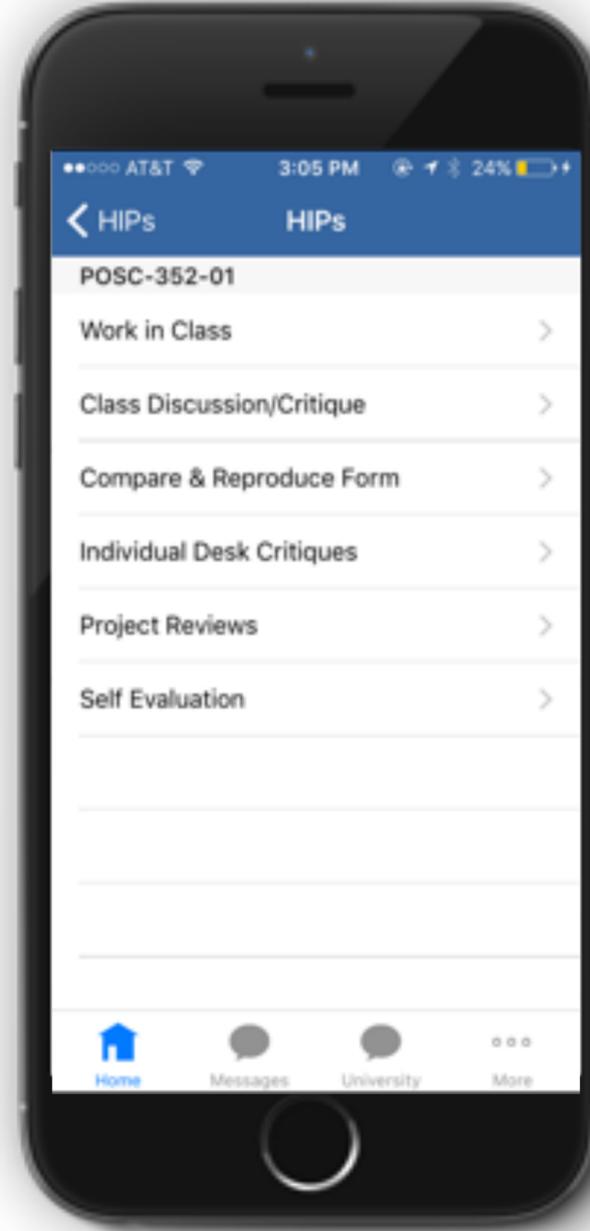
Parking Information

Users can check information about campus parking structures.

HIPs Tracking



Customizable Tracking for Individual HIP Classes/Programs



Real-time Integration into LMS



High Impact Practices Activity Report

Fall 2016 BUAD 300-04 20352

Attendance

CWID	Name	No	Attendance	Time and effort invested by students	Interactions - faculty, staff, peers, etc.		Opportunities to experience diversity
		No		Reading/working on assignments	Preparation for presentation	Interactions with faculty in class	Engage in in-class activities
		Yes	14	22	12	6	10
		Yes	17	20	3	3	0
		Yes	15	14	3	10	3
		Yes	14	1	1	1	1
		Yes	14	3	2	0	0
		Yes	17	0	0	0	0
		Yes	15	16	2	0	0
		Yes	13	1	1	1	1
		Yes	0	0	0	0	0
		Yes	18	18	12	9	9

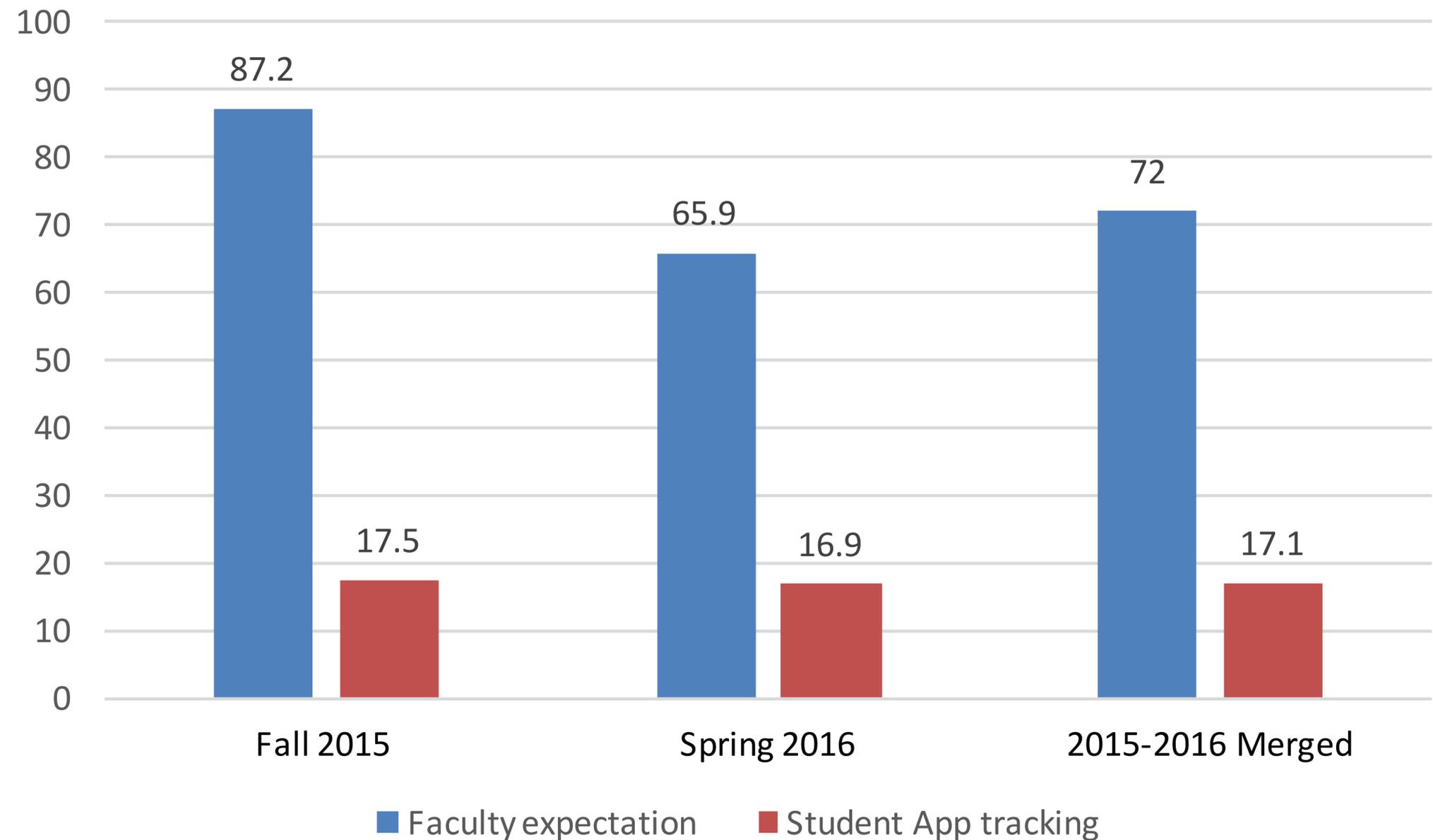
Student identifier omitted

Tracking examines the implementation of HIPs Characteristics

of hours spent in course over the semester

HIPs Characteristics:
Time & Effort

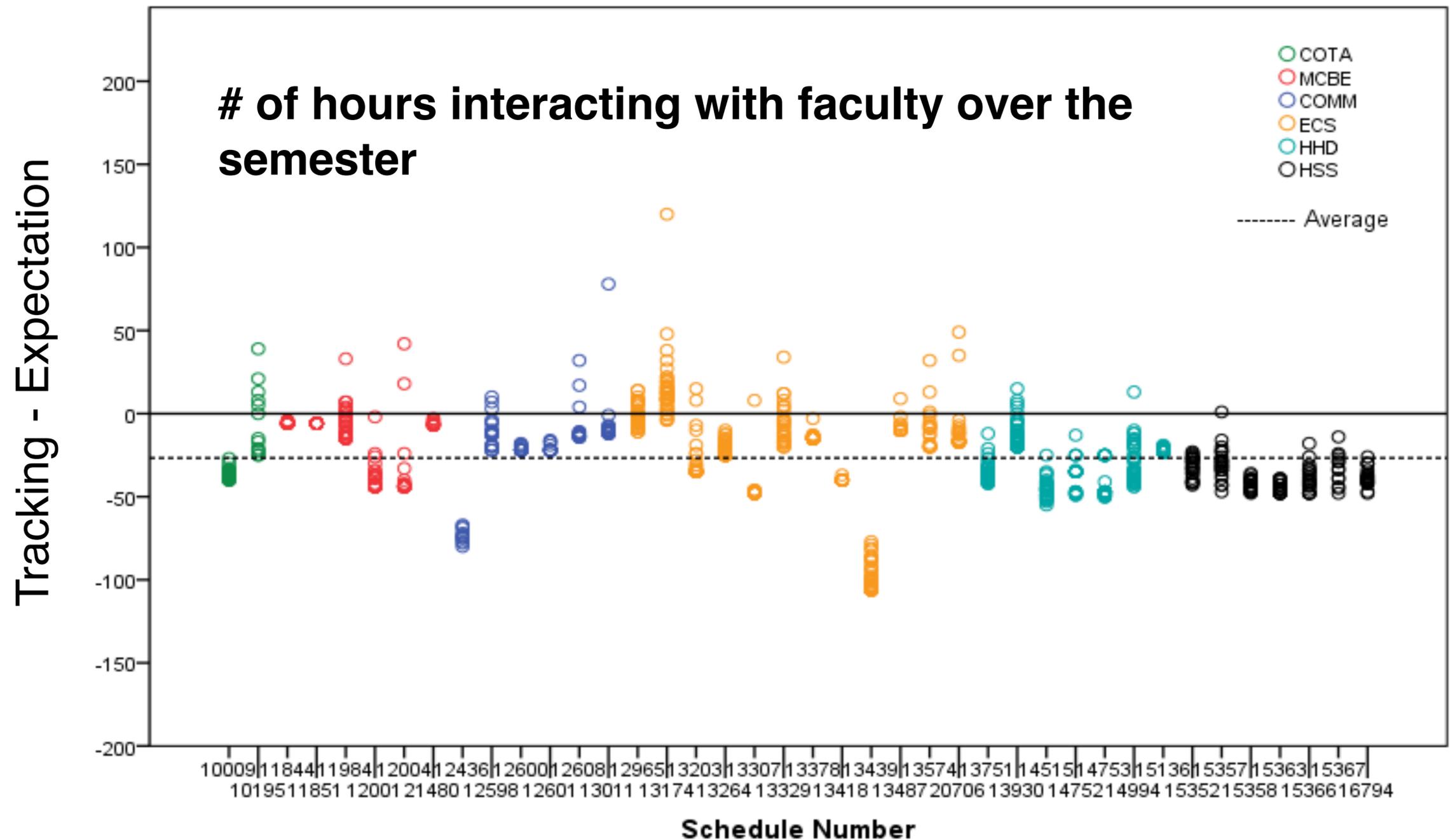
*Tracking results for
all HIP classes
combined*

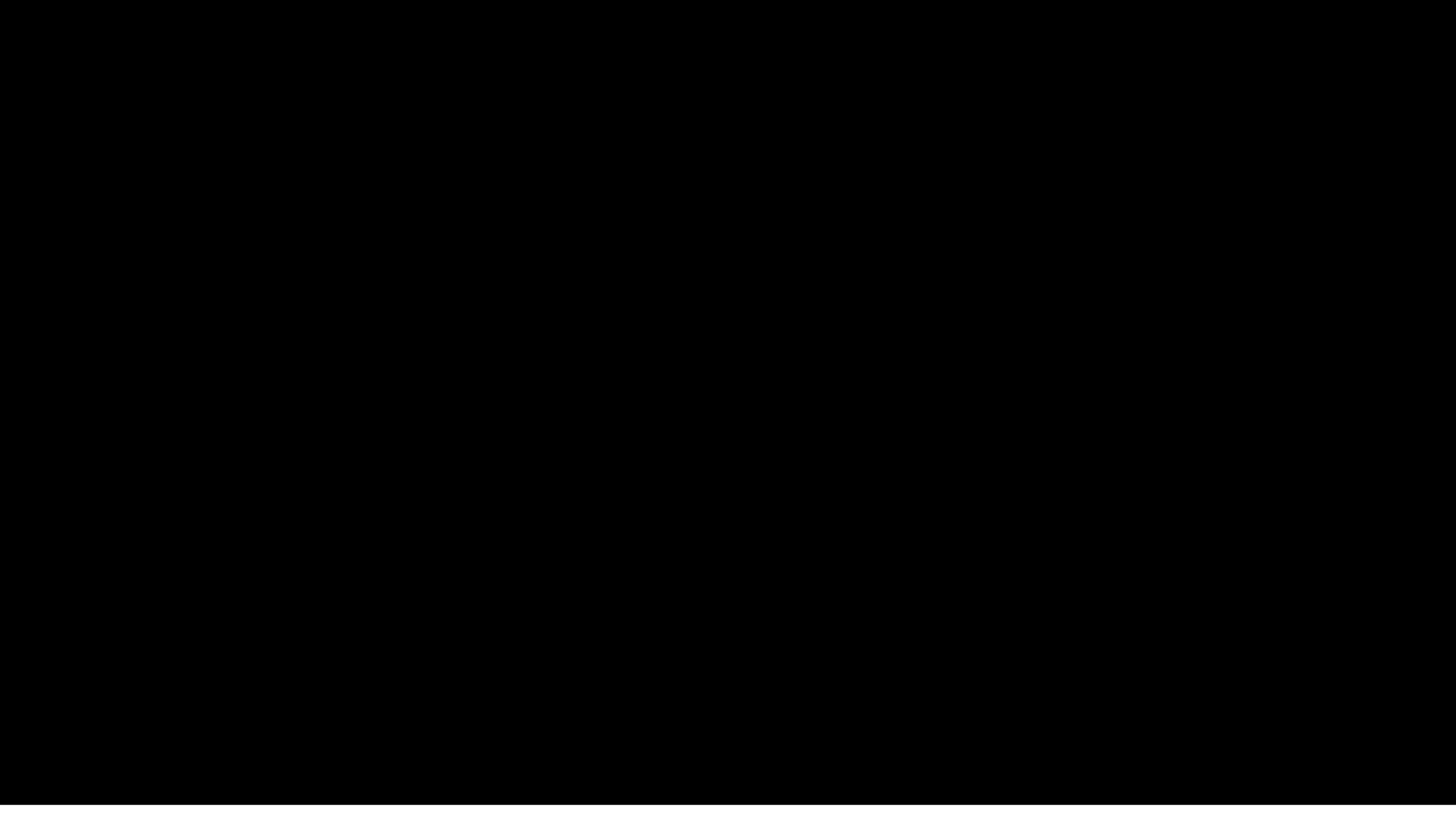


Tracking examines the implementation of HIPs Characteristics

HIPs Characteristics:
**Interaction
(with Faculty)**

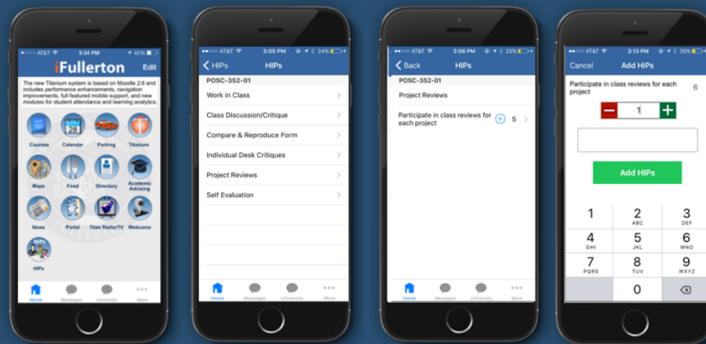
*Tracking results for
individual class
sections*





What do Users say?

HIPs Tracking



For Students...

-  Majority of students found the app to be "good" or "excellent"
-  A useful tool to document specific desirable engagement experiences
-  A helpful way to understand and meet faculty expectations

-  Need in-depth explanations for each HIP characteristic
-  Need periodic reminders to use the app

For Faculty...

 Nearly all HIPs instructors choose to use the app

 An easy way to track student engagement in key activities

 Provides useful data to inform HIPs implementation

 Need periodic reminders to use the app - for themselves and for students

 Need incentives to encourage student use, but still keep the self-report accurate



Questions?

assessment@fullerton.edu