

Clemson Recycling - Collaboration with Students



Ways we collaborate



Creative Inquiries



Internships



Student Organizations



Work Study



Class Projects



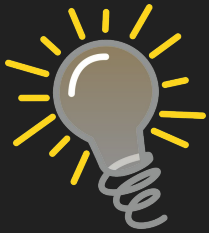
Local Schools

Creative Inquiries (CIs)

What is Creative Inquiry?

It is a project based experiential learning and problem solving course. The program was established in 2005 and is open to the entire university.

How does it work?



Faculty and staff submit project ideas to the CI program



Students sign up for projects that interest them



The mentor and the enrolled students work on the project together



Projects need a semesterly deliverable but can be ongoing or long term

Creative Inquiries (CIs)

Pros



You can have a diverse team to solve your problem

Students can bring knowledge to the table that you do not have

Other than the mentor's time, it's free!

Students may become full time employees (if you're looking)

Cons



You are relying on student interest and work

If no one enrolls for the semester, your project may be at a standstill

It does require planning and dedicated time each week outside of regular work hours

Creative Inquiries (CIs)



Composting



Black Soldier Fly



Biodiesel



Food Waste Reduction

Creative Inquiries (CIs)



Composting



Creative Inquiry Impact on the University



Composting



Black Soldier Fly



Biodiesel



Food Waste Reduction

Composting program! Over 1 million pounds per year

Biodiesel for our vehicle fleet

Diversion from composting by decreasing food waste and increasing food donations

Giving students valuable problem solving and subject matter experience

Creative Inquiries (CIs)

If your university does not have a program like Creative Inquiry, it may have a different research based learning option.

*Note: know how much research guidance you'll need to provide and what the research standards are for the program.



Internships



UPIC Internships



ClemsonLIFE Internships

UPIC Internships



UPIC Internships are through the Michelin Career Center.

Benefits:

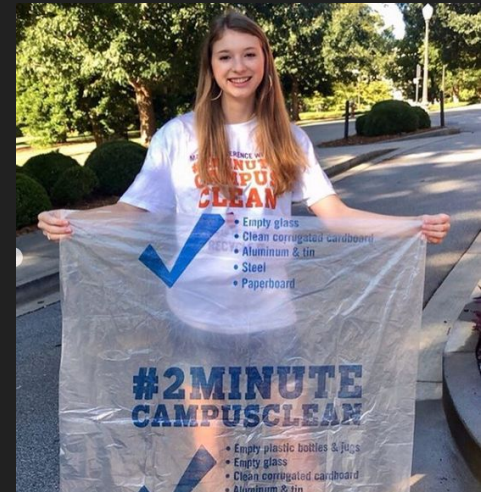
- UPIC funds half of the intern salaries (get 2 for the price of 1!)
- The jobs are posted on UPIC's highly frequented job board
- Students are required to complete a certain number of hours to get credit (they enroll as a course)

Intern Impact

Our interns keep our social media presence alive!

Interns make gameday recycling possible

Host tabling and other engagement events



Interns

Reach out to your university's career center about intern options they offer

Hire directly through your department (you can advertise on the career center job site)

Advertise directly to student groups with skills you'd like your interns to have



Caleb Todd - UPIC Intern

Experience:

- Two-sided
 - Student and Faculty Interaction through outreach and social media
 - Tabling events
 - Gameday Recycling Coordination
 - Process observation and participation
 - Gameday Recycling Sorting
- Outcomes:
 - Greater understanding and appreciation about the recycling process, and more likely to advocate on campus because of it

Student Organizations

We partnered with the student chapter of the Human Factors and Ergonomic Society (HFES) for research based projects.

Custodial Satisfaction Survey

Signage Study

Website Update



Student Organizations

Signage Study

- Background research (literature review)
- Usability analysis (system usability scale)
- Created prototype
- Measured baseline and new signage in a 30 participant study





Problem: Abstract images - upside down items, cartoon-like icons

Solution: place all items upright, use photos as icons



Problem: Visual clutter - overlapping items and inconsistent label placement

Solution: space out icons, labels underneath icons



Problem: Lack of contrast - items blend in with background color

Solution: Use high contrast photos on white background



Student Organizations - Impact

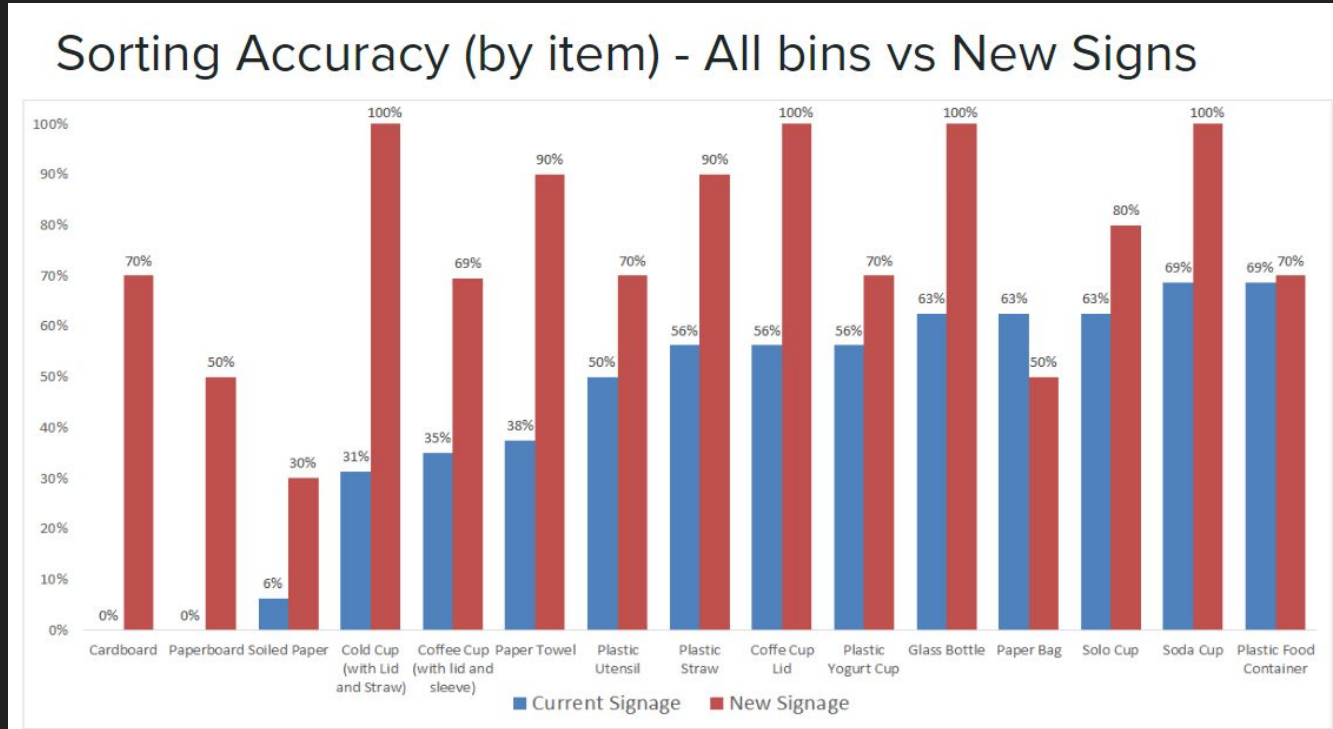
Students approached the problem differently than we could have on our own - we were able to tackle a project we may not have otherwise

Students get practice working with a client on a real-world project and may get to see their ideas put into practice



Student Organizations - Impact

Reduction in contamination as a result of the redesign would have a large scale impact on our recycling program



Student Organizations

If you know what problem you'd like student help with, start with identifying students who have the skills to help

- E.g. Industrial engineers for process improvement, marketing majors for outreach initiatives, etc.

Contact faculty in those majors

Look for student organizations that relate to your needs

Sell it! Make sure the students know it is worth their time

We are here to support the students, but they can also support us!

Questions?



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