



2017 - 2018 Annual Highlights

The Center for Research on Learning and Teaching in Engineering (CRLT-Engin) at the University of Michigan, established in 2004, promotes evidence-based practices in engineering education so that students and instructors from diverse backgrounds and social identities can learn and thrive. By working with individuals, departments, and the College, we cultivate a strong community of engineering educators who strive for excellence in teaching, innovate in teaching-learning environments, and investigate the impact of educational initiatives on student learning.

By the Numbers



2,319

Total participants
(1,153 unique individuals)



1,743

Event attendees



432

Faculty participants
(237 unique individuals)



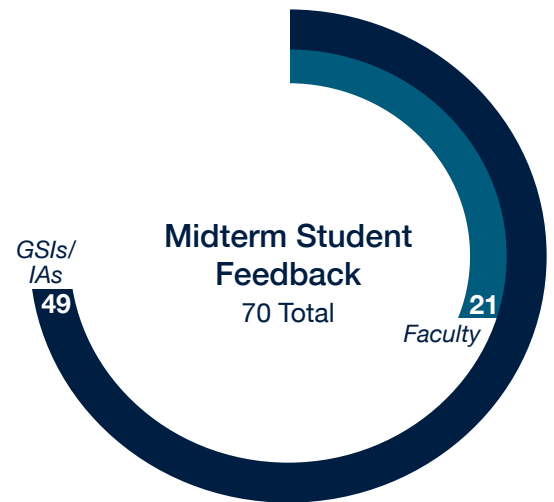
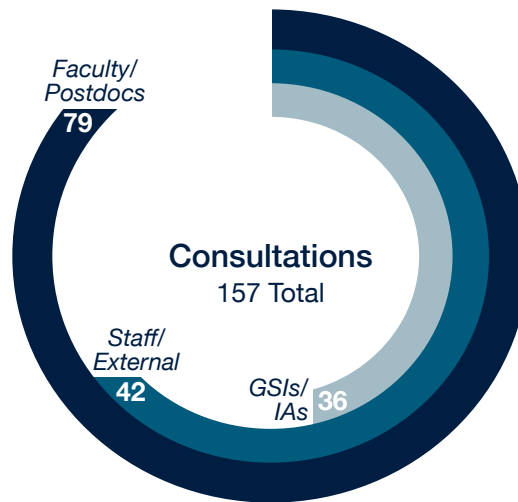
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One-on-One services

One-on-One Services

CRLT-Engin consultants meet with faculty, graduate student instructors (GSIs), and undergraduate instructional aides (IAs) to discuss a variety of teaching topics and gather midterm student feedback (MSF).

This year included,
1860 students offering feedback
and 3 faculty observations



“ I can't think of a reason to not do a MSF! It provides valuable feedback as an instructor, which everyone can use no matter how good of a teacher you are. Also, at a base level, students just appreciate knowing that you care about their feedback. ”

Lecturer, Aerospace Engineering

New Instructor Orientations & Programs

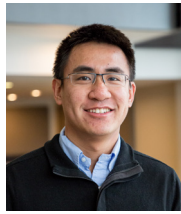


Total new instructors
across 13 total programs



Towner Prize

2018 Winners of the Richard & Eleanor Towner Prize for Outstanding Engineering GSIs



Chaozhe He
ME 542



Yevgeniy Yesilevskiy
ME 350



Jin Woo Lee
ME 211



Isaac Spiegel
ME 360

Diversity, Equity, & Inclusion

Responding to Tumultuous Times: Practice Teaching

New this year, CRLT-Engin piloted a program to give instructors the opportunity to practice framing and facilitating brief discussions, with a small cohort of student consultants, about campus incidents or world events that involved hatred, bias, or discrimination.

“ I addressed [an event] in a mock 10-15 min discussion... This was probably the scariest conversation to try and have with students. I feel WAY more prepared for when the time comes. The lessons learned are applicable to managing/ leading people and teams in ANY scenario. ”

Assistant Professor, Biomedical Engineering



8

Faculty completed DEI Teaching Circle for Engineering First Year Courses



174

Participants in workshops on classroom climate and inclusive teaching strategies



541

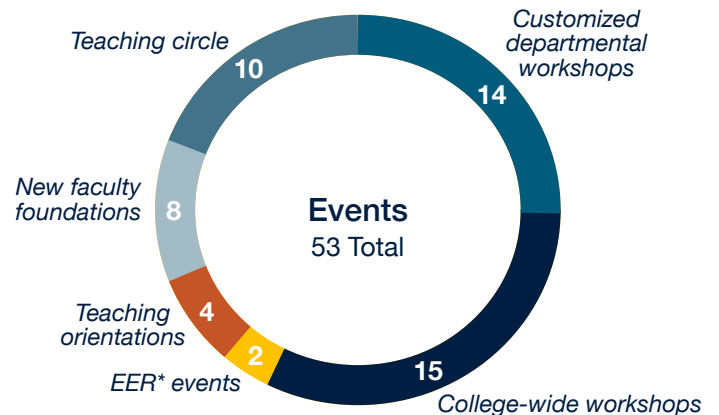
New instructors who participated in an inclusive teaching session



CRLT-Engin offers a myriad of programs, including teaching workshops, learning communities, and an engineering educational poster fair.



Teaching & Learning Programs



*Engineering Education Research