EXEMPLARY ENGINEERING EDUCATION AT SCALE

Leadership in Faculty-driven Education Innovation

ILLINOIS Grainger College of Engineering
Illinois’s engineering educational innovations span the classroom & laboratory, formative & summative assessment, communication skills, and TA training, including:

- **iClicker**: student response systems for active learning in large lectures
- **Computer-based testing facilities**: scalable, secure, authentic assessment in STEM
- **Open source tools**: PrairieLearn for complex authentic online assessment and the Queue@Illinois online student queuing system for office hours and advising
- **iOLab**: personal wireless lab systems for Physics courses, and more

Our Strategic Instructional Innovations Program (SIIP) serves as an incubator for innovation in education by creating an environment where faculty teach like they do research:

- **Bottom Up**: faculty propose and lead projects
- **Communities of Practice**: faculty work in teams; key for sustainable innovation
- **Connected**: faculty peer review and mentor projects
- **Engaging**: in 2018-2019, 110 faculty participated in SIIP projects

Learn more at: https://ae3.engineering.illinois.edu/Innovation