

PROJECT SUMMARY

The Lyles School of Civil Engineering in partnership with Purdue's Think Summer Program, Summer College for High School Students, developed a one-week, one-credit civil engineering summer course.

Course provides longer-term engineering experiences and a for-credit option for high school students interested in civil engineering

PROJECT DETAILS

Pandemic → Online course, ***Resiliency & Sustainability in Civil Engineering: Not Just Buzzwords***, Summer 2020

Course Development Process

- Instructor Selection (PhD students)
- Marketing and Promotion
- Enrollment
- Course Design
 - Brightspace LMS
 - Daily Virtual Tours of Campus Landmarks
 - Presentations from Admissions and Engineering
 - Team Project Presentations



PROJECT IMPACT

- 18 Students Across Five Time Zones
- 3 Instructors + Course Coordinator
- Team Projects presented to: Instructors, Faculty, Staff, and Graduate Students
- Visited: Bell Tower, Engineering Fountain, Armstrong Statue, and Civil Engineering laboratories



Student Feedback

84% Agree - Course increased their interest in this field of study

Recommend to a friend? – “Absolutely. This course was not only very educational, but very fun as well. I enjoyed my time with my class mates and instructors. I am honestly sad that we were only together for a week.”

FUTURE PLANS

After 2020 course, paused and concluded → Create Recurring Summer Civil Engineering Course for High School students

Summer 2021 Course in motion

- Title: ***Developing Infrastructure for Tomorrow: An Introduction to Civil Engineering***
- Date: July 11-16, 2021

Create sustainable sponsorship of program to expand and provide more opportunities