DEPARTMENT OF ELECTRICAL ENGINEERING & COMPUTER ENGINEERING

ENERGY, SUSTAINABILITY AND SOCIETY

Winter 2027
Wednesday and Friday
2:30 – 4:20 PM
MGH 248

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COURSE DESCRIPTION

This course offers an immersive exploration of the clean energy transition by exploring the social, technical, and environmental aspects of energy systems. The course fosters critical thinking about the transition to low-carbon futures—who benefits, in what contexts, and what unseen relationships or challenges shape these changes.

HOW?

Students will engage in hands-on projects, real-world case studies and class debates to examine how infrastructures like electricity grids both influence and are influenced by society and the environment. Students will gain practical skills to better understand and address the complex issues of sustainable energy.

TARGET AUDIENCE

This is a research-oriented course intended for graduate and senior undergraduate students interested in learning more about the intersection of energy, development, and global systems.

DID YOU KNOW THAT CALIFORNIANS (POPULATION 38 MILLION) **USE MORE ENERGY PLAYING VIDEO GAMES** THAN THE ENTIRE COUNTRY OF ETHIOPIA (POPULATION 120 MILLION)?

