First-Year Discovery Class (3 units)

THE NEET EXPERIENCE

SP.248

SP.248 COURSE DESCRIPTION

MIT New Engineering Education Transformation (NEET) students **gain invaluable knowledge and skills** through interactions with NEET faculty, instructors, and students, and exercise their algorithmic, creative, and systems thinking through team-based challenges taken from the thread domains.

In **SP.248**, first-year students explore each of the NEET threads and learn about the **unique opportunities, resources, mentorship, and communities** NEET offers to its scholars.

This subject is not required for joining the NEET program, and enrolling in this subject does not obligate you to join the program. **Passing this subject will provide you with access to early application for the NEET program in Spring 2025**.

SP.248 LEAD INSTRUCTOR

Dr. Rea Lavi
SP.248 Lead Instructor, Lecturer
MIT School of Engineering
realavi@mit.edu

Check out SP.248: NEET Ways of Thinking (a previous version of this course) on **MIT OpenCourseWare** to preview some of the challenges assigned in SP.248: The NEET Experience!

NEET THREAD INSTRUCTORS + SP.248 CO-INSTRUCTORS

Dr. Cong Cong
Lecturer of Urban Science and Planning, Digital Cities | Department of Urban Studies and Planning
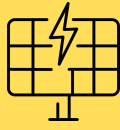
Dr. Nathan Melenbrink
Lecturer and Founding Lead Instructor, Climate & Sustainability Systems | School of Engineering

Dr. Gregory Long
Lecturer and Founding Lead Instructor, Autonomous Machines | School of Engineering

Dr. Mehdi Salek
Lecturer and Founding Lead Instructor, Living Machines | School of Engineering

The NEET program inspires and empowers students to pursue their passions and discover their future career paths through one of four interdisciplinary domains ("threads"):

Autonomous Machines

Climate + Sustainability Systems

Digital Cities

Living Machines

ABOUT THE NEET PROGRAM

The NEET program was launched in 2017 to reimagine engineering education at MIT by providing **hands-on, experiential education**.

NEET is a cross-departmental endeavor with a focus on integrative, project-centric learning that **enables students to bring their coursework to life**. NEET prepares students with the essential skills, knowledge, and qualities to address the societal challenges posed by the 21st century, and provides the practical experience necessary to achieve their professional ambitions post-graduation.

Students join NEET in their sophomore year and earn a degree in their chosen major along with a NEET Certificate in one of four cross-departmental threads (in the usual four years).

VIEW THE COURSE SYLLABUS!

We can't wait to see what you create!