

Creative Engineering Project for Undergraduate II

Creative Engineering Project II

Undergraduate
B3・B4 A1A2

Graduate A1A2
(Master, Doctor)

A Semester Guidance &
S Semester Debriefing
Session

Oct. 5 Mon
18:45~

Online. Please check the Zoom URL listed in the syllabus.

Course registration Each project has a different course number. Please check the syllabus and handbook for course registration.

When enrolling in multiple projects in the same semester Please register for the following "Common Project" and participate in each project.

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CO3g54P2 3799-554

NEW

Laboratory Course in Boundary
Spanning Liberal Arts

Keisuke Nagato・Hiroshi Yoshida

The training part of IGNITE, an innovation program of Technology × Design × Art, where participants learn essential liberal arts for the AI era through omnibus lectures and share ideas after each session.

Yuki Sugieue contact@ignite-your-ambition.com



CO3g39P2 3799-539

NEW

Laboratory Course in Boundary
Spanning Startup

Keisuke Nagato・Hiroshi Yoshida

The training part of IGNITE, an innovation program of Technology × Design × Art, where teams practice startup methods to dream up the future and implement it today.

Yuki Sugieue contact@ignite-your-ambition.com

CO3g59P2 3799-559

Common Project

(If you enroll in multiple projects during the same semester, please register for this course number.)

You can enroll in multiple projects during the same semester. However, this course plan is only worth 2 credits, which is equivalent to registering for a single project. The final grade you receive will be the highest grade among all the projects you have completed.

Takaaki Kawanaka kawanaka@cce.t.u-tokyo.ac.jp



CO3g37P2 3799-537

MAKAIZO Project 2026S

Keisuke Nagato・Hideyoshi Yanagisawa

Learn the process of remodelling toys or home appliances to "useless" monsters, based on the policy of "Night of the MAKAIZO SOCIETY". Experience actual remodelling of familiar toys.

Keisuke Nagato nagato@hnl.t.u-tokyo.ac.jp



CO3g42P2 3799-542

Artificial Intelligence
Application Project

Yutaka Matsuo・Yusuke Iwasawa・Tatsuya Matsushima

Plan and develop a project to apply artificial intelligence technology to robot control. Participation in international robotics competitions (Robocup) is also encouraged.

Tatsuya Matsushima https://weblab.freshdesk.com/support/tickets/new



CO3g35P2 3799-535

UT innovators' Guild

Akira Hirose・Koji Nagatsuna

UT innovators' Guild is a union-style organization for those driven to innovate. Backed by professional advice, we conceptualize, prototype, and build next-generation technologies, services, and products.

Koji Nagatsuna t-ngtna@g.ecc.u-tokyo.ac.jp



CO3g45P2 3799-545

Mono-Lab Project

Naohiko Sugita・Reina Yoshizaki

Develop and implement "workshops for creative manufacturing of Rube Goldberg machine" for elementary school students with students participating in the project.

Reina Yoshizaki yoshizaki-reina7845@g.ecc.u-tokyo.ac.jp



CO3g40P2 3799-540

Biomanufacturing Project

Takanori Ichiki・Shusuke Satoh・Cábral Horacio・Satoru Nagatoishi

Participants will propose and prototype equipment and services that will be useful in elderly care and medical care. They are also encouraged to participate in idea contests and pitch contests.

Takanori Ichiki ichiki@bionano.t.u-tokyo.ac.jp



CO3g34P2 3799-534

Global Aviation Business

Takeshi Tsuchiya・Jiro Koda

We learn and discuss the Aviation Industry with Aviation practitioners.

Hiroko Nakamura hiroko-nakamura@g.ecc.u-tokyo.ac.jp



CO3g49P2 3799-549

AI Sign Language Translation
Project

Asako Uchibori

Learn key technologies for AI-based sign language translation through lectures and exercises, and develop software to promote an inclusive society, guided by ten expert instructors from various fields.

Asako Uchibori uchibori@cce.t.u-tokyo.ac.jp



CO3g36P2 3799-536

International Internship

Hironori Kato

This program provides you with an opportunity of technical experience through international internship. It enables you to enhance practical expertise. You are required to participate in the IAESTE program.

Hironori Kato kato@civil.t.u-tokyo.ac.jp



CO3g32P2 3799-532

Student Formula Project

Yudai Yamasaki・Kohei Kusaka

You will plan, design, manufacture and test a electric drive formula racing car to enter "Student Formula SAE Competition of Japan" to gain "Monodukuri" experience in manufacturing. Not only manufacture a racing car, you will manage a virtual company. Technical Advisor: Yuta Yaguchi

Kohei Kusaka kusaka@nvt.co.jp



CO3g51P2

CanSat Development Project

Satoshi Ikari, Ryu Funase, Shinji Nakaya, Koji Nagatsuna

This course provides hands-on experience in space engineering through team-based design and development of CanSats with opportunities to participate in competitions, including the Noshiro Space Event and ARLISS.

Satoshi Ikari ikari@space.t.u-tokyo.ac.jp



CO3g46P2 3799-546

Solar Boat Challenge

Hideaki Murayama・Kazuhiro Aoyama・Daisuke Kitazawa

Design and build a 1-passenger solar-powered boat using model-based approach (developing a digital twin and simulation environment).

Hideaki Murayama murayama@sys.t.u-tokyo.ac.jp



CO3g33P2 3799-533

Flying Robot Project

Takeshi Tsuchiya・Naoto Morita

Design, build and fly a Flying robot for the Student Indoor Flying Robot Contest.

Takeshi Tsuchiya tsuchiya@mail.ecc.u-tokyo.ac.jp



CO3g31P2

Robot Contest Project

Kei Okada・Kunio Kojima・Kohei Kusaka

Learn how to build a robot system designed for an optimal strategy. The goal of this project is to be a winner in the NHK student (ABU) Robot Contest. (In 2026A1A2, the project will be opened but no new recruitment will take place. The next new recruitment will take place in 2027S1S2.)

Kei Okada robotech-shokuin@jsk.imi.i.u-tokyo.ac.jp

