

国際高度人材キャリア開発プログラム Career Development Program for International Professionals(CDIP)

GUIDANCE



CDIPs Program Office
The Institute of Innovation in International
Engineering Education,
Graduate School of Engineering,
The University of Tokyo

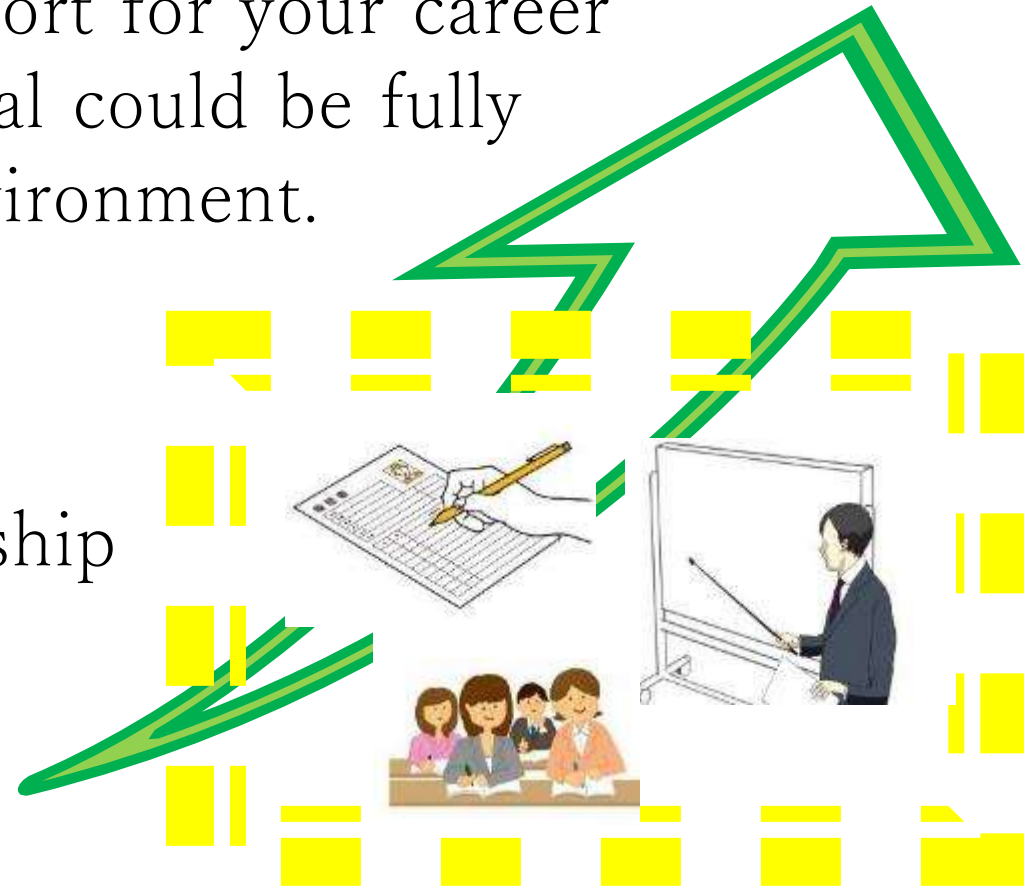
Career Development Program for International Professionals

• CONCEPT

- We will provide the necessary support for your career development in which your potential could be fully activated in the Japanese social environment.

• CURRICULUM

- Japanese, Career Education, Internship

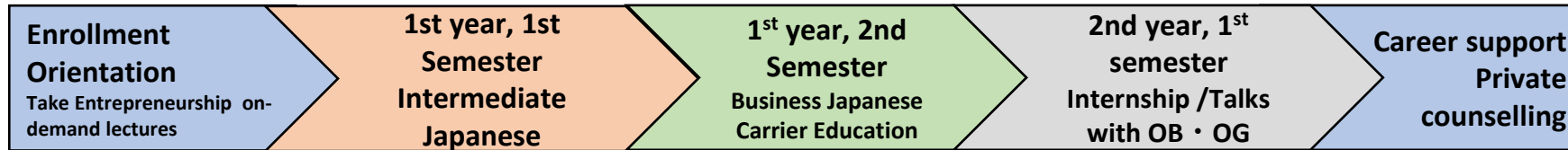


- Eligible students
 - Any international graduate students who are interested in starting a career in Japan
- Course requirements for certificate
 - at least 5.0 credits from following three sections:
 Japanese (≥ 2.5 credits), Career Education (≥ 1.5 credits), Internship (≥ 1 credit)

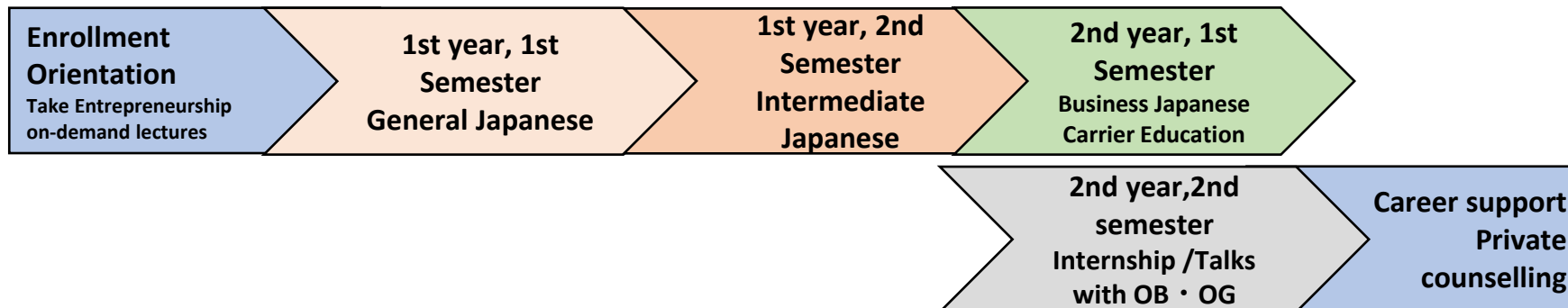
Japanese proficiency : Above N2 level, Master student or Doctoral student



Japanese proficiency : N3 level, Master student or Doctoral student



Japanese Beginner, Doctoral student, or master student who seek to enter Doctoral course



Japanese Language Class School of Engineering (JLCSE)

Objective: We offer Japanese language education targeting graduate students and researchers at the School of Engineering so that they acquire the Japanese language ability necessary for daily living and specialized research work.

Period: 2 semesters/year April (S1S2) & October (A1A2) 14weeks/semester

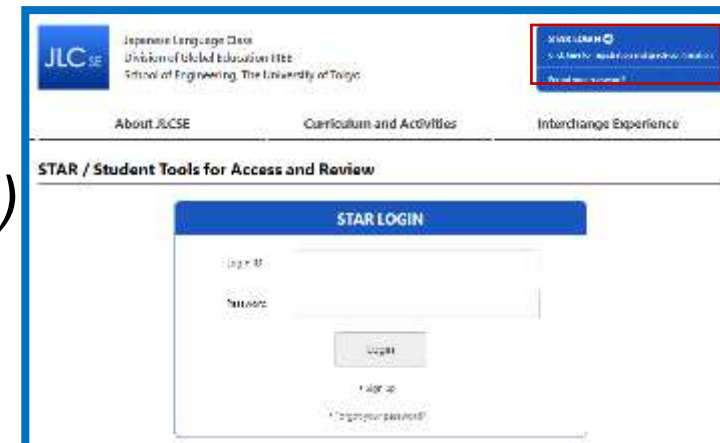
Courses : 7 level 32 courses (Beginning, Intermediate, Advanced)

Credits: 2 credits per once-a-week course

Registration: **STAR** (*Students Tools for Access and Review*)

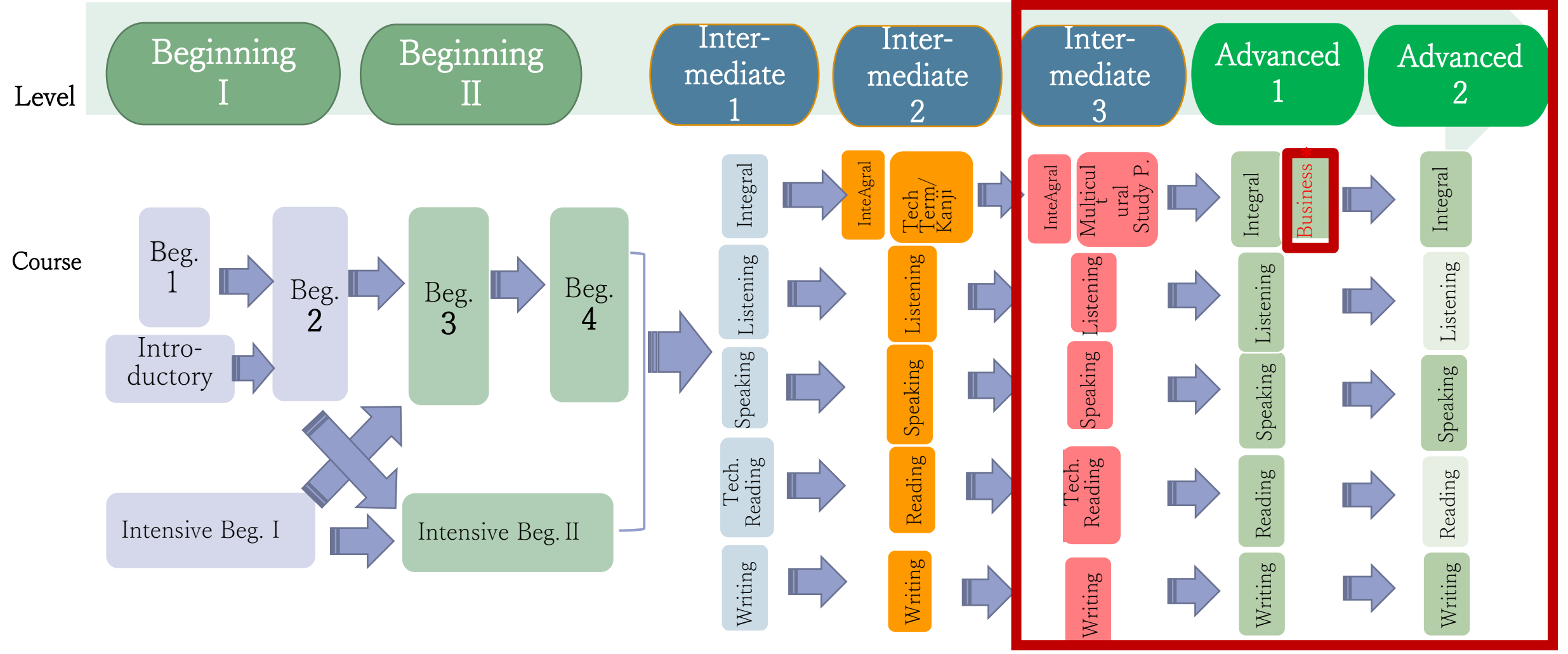
<https://www.jlcse.t.u-tokyo.ac.jp/en/star/>

Deadline: April 12



JLCSE Course Steps

<https://www.jlcse.t.u-tokyo.ac.jp/en/>



Make a plan and take Japanese Language courses !

For CDIPs

Japanese language requirements for CDIPs

Internship

Career Education

2.5 credits or more

N1
N2

Japanese courses/Intermediate 3, Advanced 1 · 2

2credits

N2

Summer and Winter Intensive Courses/Business Japanese

0.5credit

N2

On-demand Video Streaming/Business Japanese

0.5credit

Entrepreneurship

Email: inquiry@cdip.t.u-tokyo.ac.jp

Career Education

- Entrepreneurship
 - Entrepreneurship I,II (3799-371, 3799-372 : 1 credit)
 - On-demand lectures (five videos)
- Japanese Career Bridge (2 credits)
- Japanese Career Design (2 credits)
 - Intensive Course/Career (0.5 credit)
 - On-demand Video Streaming/Career (0.5 credit)
- Engineering Literacy I,II
 - Business Strategy & Intellectual Property (3799-150: 1 credit)
- Frontier of Technology I,II (3799-021, 3799-022: 2 credits)

工学リテラシーII-事業戦略と知的財産-(3799-160:1 単位) 2021.9
 修士・博士対象

概要: 高い専門性は持ちつつ、リーダーシップ、課題設定・解決・実行力、責任感・使命感、高いコミュニケーション能力、情報・機密等に優れた能力を備え、複合領域で柔軟な応用を持つことを目指した教育プログラムの一環として実施する。イノベーション、技術マネジメント、リーダーシップ、事業戦略、知的財産管理、機密などをキーワードとし、産業界等の第一線で活躍されている講師による講義。

履修スケジュール: 木曜日 4 履(14:55-18:40) 場所: オンライン

日 時	講 師	講義内容
10月7日 (木)	菅原 茂樹 東京大学大学院工学系研究科 機械工学専攻 特任教授	ガイダンス
10月21日 (木)	吉川 浩 コランダム・イノベーション株式会社 事業開発部 ディレクター	エンジニアからコンサル、VC への転職の過程で得た経験・知見の伝わり
11月4日 (木)	辻村 宇 株式会社 在産製作所 フェロー	今そこにある危機: 半導体は産業の米・頭脳・戦略物資?
11月11日 (木)	高橋 和祐 株式会社日立製作所 クラウドサービス推進本部 副本部長	非財務価値が重視される企業経営と日立の取り組み
11月18日 (木)	高田 真樹 独立行政法人日本貿易振興機構(ジェトロ) スタートアップ支援課長	ジェトロの活動及びスタートアップ支援の取組み
12月2日 (木)	杉山 晋也 独立行政法人日本貿易振興機構(ジェトロ) 知的財産課 アドバイザー	海外での知的財産
12月16日 (木)	新井 拓 一般財団法人 電力中央研究所 エネルギー・トランスフォーメーション研究本部 研究統括室 原子力(設備保全)分野統括	講義中
12月23日 (木)	高田 大輝 株式会社 本田技術研究所 先進IT/フューチャーエネルギー研究所 先進エネルギー研究ドメイン AGE	Power of Dreams ~地上から、空、宇宙へ広がる Honda のニューフロンティア開発~

講義や開催日時の変更を行う場合があります。GMSI の HP をご確認ください。

東京大学大学院工学系研究科機械工学専攻 GMSI プログラム事務局
〒113-8656 東京都文京区本郷7-3-1 工学部 2 号館 2 階 203 号室
Tel/Fax: 03-5841-1431(内線 27427)
E-mail: office@gmsi.t.u-tokyo.ac.jp URL: <http://gmsi.t.u-tokyo.ac.jp/>

2023年度S152 工学部・工学系研究科 全学科共通科目 協賛総務科日

先端技術と社会特別講義 I

先端技術特別講義 I

注目の第一線で活躍する、輸入を卒業されている技術リーダー・各社(業界)の最先端技術や、先端技術と社会との関係をはじめ、工学分野の幅広い知識を身に付けることができます。

修 習 単 位 4.55(1.6/2.95)

前半(4/5-5/24)オンライン履修

日 時	講 題	講 師
4/5	ガイダンス 世界1位のEdTech 専修には?	菅原 茂樹
4/19	持続可能な未来を築く高度技術開発開発	菅原 茂樹
4/26	産業界の産学連携と産学連携社会への貢献	菅原 茂樹
4/19	深淵と無機学による新化合物発見	菅原 茂樹
4/17	世界初・日本の民間月着陸船 ispace HAKUTO-R Series 1 Landerの脱陸	菅原 茂樹
5/24	デジタルツイン実践モデル「PLATEAU」	菅原 茂樹

後半(5/31-7/13)対面履修

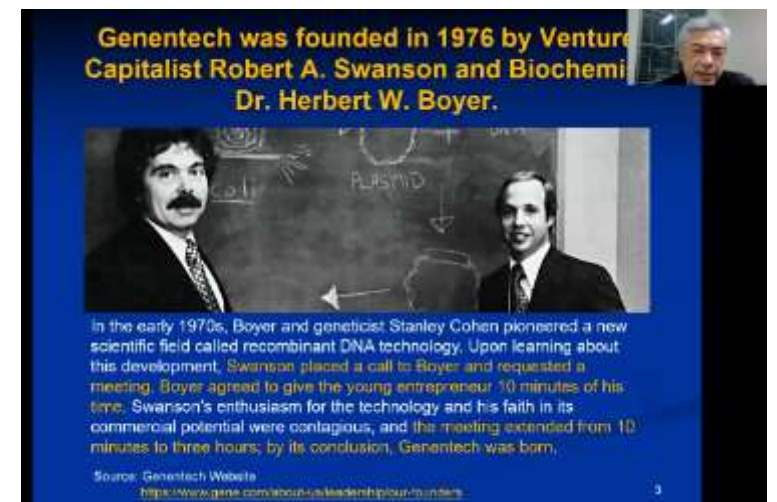
日 時	講 題	講 師
6/3	モビリティにおける新たな価値創造の創出	菅原 茂樹
6/10 6/21	なぜ気象予測がビジネスになるのか?	菅原 茂樹
6/28 7/12	Web3がもたらす社会変革	菅原 茂樹

東京大学工学部 工学系研究科 協賛総務科日 工学部 2 号館 2 階 203 号室
TEL: 03-5841-1431 FAX: 03-5841-1432

Entrepreneurship on-demand lectures

- You can reflect on career through learning entrepreneurship which is important even for people who do not start their own businesses
- It is a very introductory course, so if you want learn more, please attend advanced courses or programs
- You can watch lectures on <https://www.cdip.t.u-tokyo.ac.jp/>

Introduction	
Session 1	Challenges Facing Innovation Ecosystem in Japan
Session 2	What is Entrepreneurship?
Session 3	University Entrepreneurship Ecosystem at the University of Tokyo
Session 4	University's Support for Entrepreneurial Students



Career Education

Study about **Job-Hunting** in Japan

Internship

Career Support

N1

Japanese Career Design (2 credits)

:<https://www.jlcse.t.u-tokyo.ac.jp/en/>



N2

Japanese Career Bridge (2 credits)

Summer and Winter, Intensive Course/Career (0.5 credit)



N2

On-demand Video Streaming/Career (0.5 credit)

:<https://www.cdip.t.u-tokyo.ac.jp>



Japanese Courses

Internship

- General internship
 - Work at company as a Trainee
 - Engineering competency II -research internship- (3799-147 2credits)
 - Science and technology/practice training 1~4, Internship, Research internship I
 - Internship found by yourself may be counted
- Project based learning
 - Make solution for problems provided by company
 - Engineering competency I -Project Based Learning- (3799-146 2credits)
 - Creative Engineering Project I , II (3799-024, 3799-023 : 2 credits)
 - Joint research project with company may be counted
- Duration more than 2 weeks(10days)

THE UNIVERSITY OF TOKYO

2023 S1S2 Dept. of Engineering Common Courses **2 credits**

Creative Engineering Project for Undergraduate I・II

I ▶ Undergraduate B3 S1S2
II ▶ Undergraduate B4 S1S2

Creative Engineering Project I

Graduate S1S2 (Master, Doctor)

Course registration
Each project has a different course number. Please check the syllabus and handbook for course registration. The course number has been changed from 2023. When students who matriculated in 2022 earn credits for the courses offered in 2023, the credits will automatically be registered with the old course numbers.

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

Course Guidance
Apr. 7 Fri
18:45~

Online Guidance
Please check the course list, details in the syllabus.
Guidance for each individual project will also be provided. Please check the syllabus for the guidance schedule.

Note: The course numbers correspond to Creative Engineering Project for Undergraduate I, II and Creative Engineering Project I, respectively.

<p>CO3g15P2 / CO4g75P2 / 3799-515</p> <p>Mono-Lab Project NEW</p> <p>Nooniko Sugita-Raina Yoshizaki</p> <p>Develop and implement "workshops for creative manufacturing of Rubik Goldberg machine" for elementary school students with students participating in the project.</p> <p>Raina Yoshizaki yoshizaki@res780@acc.t.u-tokyo.ac.jp</p>	<p>CO3g16P2 / CO4g76P2 / 3799-516</p> <p>Solar Boat Challenge NEW</p> <p>Ryota Kusano-Kazuki Akutsu-Takao Kiyomasa Takasaka</p> <p>Design and build a 1-passenger solar-powered boat using model-based approach (developing a digital twin and simulation environment).</p> <p>Hiroaki Murayama murayama@edu.t.u-tokyo.ac.jp</p>	<p>CO3g47P2 / 3799-547</p> <p>Chipason NEW</p> <p>Makoto Ikeda-Atsutake Kosuge</p> <p>Learn practical VLSI design techniques including FPGA and edge AI system through the contest. Encourage submitting design results to design contests hosted by IEEE and industrial companies.</p> <p>Atsutake Kosuge kosuge@elnet.t.u-tokyo.ac.jp</p>
<p>CO3g11P2 / CO4g71P2 / 3799-511</p> <p>Global Co-creation Expedition</p> <p>Yoshiaki Nakano-Chie Sato</p> <p>Here in this project, you plan & lead an expedition to global co-creation spaces both in Japan and abroad. In order to obtain new insights for your future career, through a series of dialogues with various governmental and third-party experts.</p> <p>Chie Sato sato@elnet.t.u-tokyo.ac.jp</p>	<p>CO3g02P2 / CO4g65P2 / 3799-502</p> <p>Student Formula Project</p> <p>Masayuki Nakao-Kohel Kusaka</p> <p>You will plan, design, manufacture and test a formula racing car to enter "Student Formula SAE Competition of Japan", that only manufactures a racing car, you will manage a virtual company. Technical Advisor: Yuta Taguchi</p> <p>Kohel Kusaka kusaka@elnet.t.u-tokyo.ac.jp</p>	<p>CO3g14P2 / CO4g74P2 / 3799-514</p> <p>AI wolf Project</p> <p>Fujio Toriumi</p> <p>Develop AI agents to play wordwall games to participate the International AI Wolf Contest. Learn programming and AI techniques.</p> <p>Fujio Toriumi toriumi@elnet.t.u-tokyo.ac.jp</p>
<p>CO3g03P2 / CO4g63P2 / 3799-503</p> <p>Flying Robot Project</p> <p>Takeshi Tsuchiya</p> <p>Design, make and fly a Flying robot for the Student Indoor Flying Robot Contest.</p> <p>Takeshi Tsuchiya tsuchiya@elnet.t.u-tokyo.ac.jp</p>	<p>CO3g12P2 / CO4g72P2 / 3799-512</p> <p>Artificial Intelligence Application Project</p> <p>Yutaka Matsuo-Yusuke Inawawa</p> <p>Plan and develop a project to apply artificial intelligence technology to robot control. Participation in international robotics competitions (RoboCup) is also encouraged.</p> <p>Yusuke Inawawa creative_eng@elnet.t.u-tokyo.ac.jp</p>	<p>CO3g01P2 / CO4g61P2 / 3799-501</p> <p>Robot Contest Project</p> <p>Yasuo Kuriyoshi-Yoshiyuki Ohmura-Kohel Kusaka</p> <p>Learn how to build a robot system designed for an optimal strategy. The goal of this project is to be a winner in the IIR(KABUJ) Robot Contest.</p> <p>Yoshiyuki Ohmura creative_robot@elnet.t.u-tokyo.ac.jp</p>
<p>CO3g04P2 / CO4g64P2 / 3799-504</p> <p>International Aviation System</p> <p>Taro Inamura-Miwa Kobayashi</p> <p>International Project Based Learning about Aviation Business cooperating with Boeing.</p> <p>Taro Inamura inamura@acc.t.u-tokyo.ac.jp</p>	<p>CO3g06P2 / CO4g66P2 / 3799-506</p> <p>International Internship</p> <p>Hironori Kato</p> <p>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.</p> <p>Hironori Kato kato@elnet.t.u-tokyo.ac.jp</p>	<p>CO3g09P2 / CO4g69P2 / 3799-509</p> <p>Startup Training (Hongo)</p> <p>Katsuka Nagato-Yuki Sugino</p> <p>The training part of Sony's social collaboration course, where you can learn the start-up method of technology x design x business through social implementation.</p> <p>Yuki Sugino yuki.sugino@psr.tyco-industrial.com</p>
<p>CO3g05P2 / CO4g65P2 / 3799-505</p> <p>UT innovators' Guild</p> <p>Akira Hirose-Koji Nagatsuna</p> <p>UT innovators' Guild is a group of people who wish to design, create and develop something new. You will be able to work with professionals with various business/technical background. If you have any business ideas, please bring them over 1473 with together to introduce it.</p> <p>Koji Nagatsuna nagatsuna@acc.t.u-tokyo.ac.jp</p>	<p>CO3g08P2 / CO4g68P2 / 3799-508</p> <p>UT Drone Project</p> <p>Takeshi Tsuchiya-Yoshichika Sakamoto</p> <p>Create new business plans and educational programs utilizing drone.</p> <p>Takeshi Tsuchiya tsuchiya@elnet.t.u-tokyo.ac.jp</p>	<p>CO3g25P2 / CO4g85P2 / 3799-529</p> <p>Common Project</p> <p>If you enroll in multiple projects during the same semester, this course plan is only worth 2 credits, which is equivalent to registering for a single project. The final grade you received will be the highest grade among all the projects you have completed.</p> <p>Takeshi Kawanaka kawanaka@acc.t.u-tokyo.ac.jp</p>

Division of Engineering Education, Institute for Innovation in International Engineering Education, The University of Tokyo
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QR Code

https://elnet.t.u-tokyo.ac.jp/

SCHOOL OF ENGINEERING THE UNIVERSITY OF TOKYO

Engineering Competency II

-Research Internship- (3799-147) 2 Credits

- Companies offer research theme for the internship
 - Coop-J consortium (from Oct. '21)
 - 45 companies, Salary will be paid
 - C-Engine program (Consortium)
 - 26 companies / 17 Univ.
 - Toshiba, (Evonik, Airbus, Apollo tires, Repsol)
 - 2 months or longer and report
- Please contact GMSI office for the detail
- Registration deadline, Preparation procedure etc.

Research Internship Guidance

Date : May 9th. 2024

Venue: Online (ZOOM)

<https://u-tokyo-ac-jp.zoom.us/j/86830436028?pwd=q5Lxhe5pav5vAdb8RkfDB7rVbAYawY.1>

GMSI (Graduate school of Mechanical System Innovation)

E-mail : office@gmsi.t.u-tokyo.ac.jp

URL : <http://gmsi.t.u-tokyo.ac.jp/>

Engineering Competency I -Project Based Learning (PBL)-

■ PBL, which is one of active learning, aims to cultivate ability to succeed in Industry, Government, and Academia through problem setting/solving through coordination and integration, based on needs-oriented approach and challenges to the subjects from Industry.

■ PBL is promoted by each of group, consisting of 5 – 6 members students from different fields, laboratories, nationalities, and young faculty staffs.

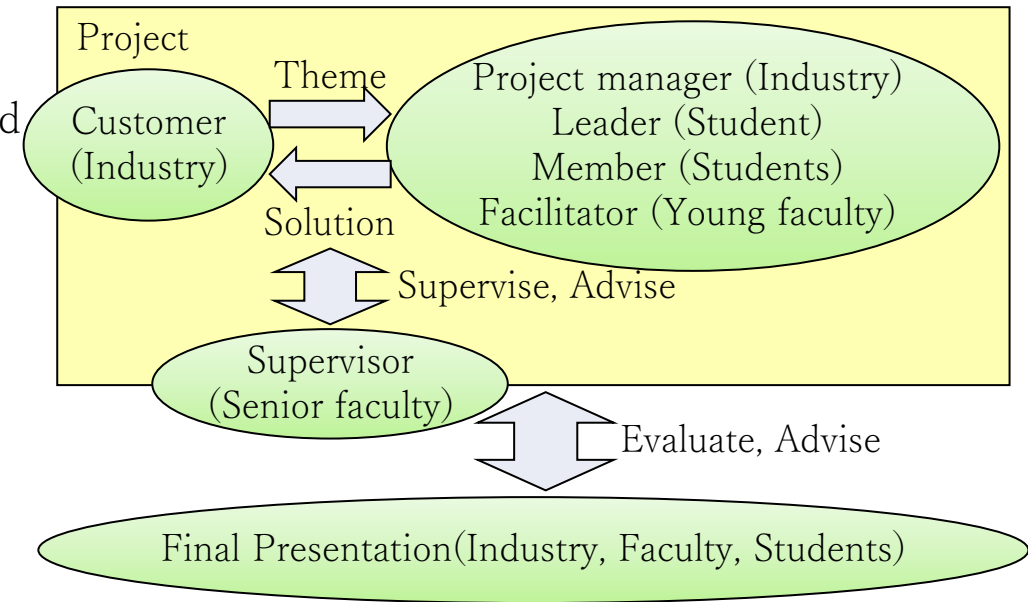
➤ Previous comments from participants said that PBL offers good opportunities for:

- ✓ Training of teamwork/communication.
- ✓ Creation of hints for new business models by mixing knowledge of industry and academia, based on fresh ideas and perspective of students.

■ From 2009 to 2020, PBL provided the total 57 interesting themes offered from 21 companies, and 2 departments of UTokyo.

PBL themes and participating companies in 2021

No	Company	Title
1	Hitachi Astemo, Ltd.	Business Model for Connected Autonomous Vehicle Services
2	Ebara Corporation	Platform business produced by a manufacturer
3	System JD CO., Ltd.	Verification of the 6th Basic Energy Plan for "Island"



PBL implementation framework



Final presentation

Career Support

Supports and Opportunities to **develop Career** for International Students

Interact with Alumni



2 times a year (Summer & Winter) interact with **alumni** and learn about various **industries and careers**

Practice Japanese Interview



Practice Session of Japanese
• Group Interview,
• Group Discussion
• Interview manners

Consult about Individual Careers



- Consult about general job-hunting in Japan
- **Correction of Japanese documents**
- **Personal career counseling**



For more information about specific recruiting companies and recommended applications, please contact your **department's employment office** or Career Office for Faculty of Engineering and Science
理工連携キャリア支援室 <http://t-career.t.u-tokyo.ac.jp/>



理工連携
キャリア支援室
東京大学 大学院
[工学系研究科・工学部]
[理学系研究科・理学部]

工学部 2号館 208号室

Certificate/Scholarship

- Certificate of completion
 - Presenting at seeking employment
 - Signed by President of the University of Tokyo
 - Priority when you change the visa status
- Scholarship granted to this program
 - Registered students are eligible to apply
 - Year of 2024 (expected)
 - JASSO: 10 students, 48,000Yen/Month × 12



※Image

**Monbukagakusho
Honors Scholarship
for Privately-Financed
International Students**

CDIPs

留学生就職促進プログラム

国際高度人材キャリア開発プログラム

- Registration
 - Download the form from CDIP HP
- URL: <https://www.cdips.t.u-tokyo.ac.jp/>
- Email: inquiry@cdip.t.u-tokyo.ac.jp