

学部 2 単位 / Undergraduate 2 Credits

FEN-CO5963L2 国際連携工学特別講義 III
International Collaborators' Lecture on Engineering III

大学院 2 単位 / Graduate School 2 Credits

3799-382 国際連携特別講義 IX
International Collaborators' Special Lecture on Engineering IX

Lecturer

Assistant Professor **Keehoon Kang**

Department of Materials Science and Engineering,
College of Engineering, Seoul National University
(SNU)



Fundamentals of Organic Semiconductors

Mon., January 29~Thu., February 1, 2024 (3days+Exam)

● Course objectives

Covering the fundamental properties of organic semiconductors for attaining aptitude for the recent research developments in the field.

● Lecture time

January 29~31 ... 9:00 ▶ 12:00, 13:30 ▶ 16:30
Exam: February 1 ... 9:00 ▶ 12:00

● Lecture room

Eng. Bldg. No.3 #32

● Language

English

● Counterpart at UTokyo

Associate Professor Tomoyuki Yokota
Department of Electrical Engineering
and Information Systems,
School of Engineering
email: yokota@ntech.t.u-tokyo.ac.jp

● Lecture plan

Day 1:

AM Introduction to Organic Electronics
PM Electronic structure of organic materials

Day 2:

AM Optical properties
PM Transport properties

Day 3:

AM Field-effect transistors
PM Light-emitting diodes

Future outlooks: next-generation materials & devices

Day 4:

AM Finals exam (70% of the grade)

*All-day: Deadline for submission of the report

(30% of the grade)

Pre-requisites: Basic Physics and Chemistry courses

Helpful: Modern physics, Electrical and magnetic properties of materials

工学系研究科国際工学教育推進機構

Institute for Innovation in International Engineering Education,
School of Engineering Contact: H. Sugiura

email: ut-snu@cce.t.u-tokyo.ac.jp

Registration is
now open!

Please use the QR code
to register.

