日韓集中講義

The Short Intensive Course Program between UTokyo and SNU

学部 1 単位/Faculty 1 Credit ※4年生対象/for B4

FEN-CO5972L3 国際連携工学特別講義 VIII

International Collaborators' Lecture on Engineering VIII

大学院 1 単位/Graduate School 1 Credit

3799-389 国際連携特別講義XVI

International Collaborators' Special Lecture on Engineering XVI

Lecturer

Associate Professor

Yong Sung Park

Department of Civil and Environment Engineering,
College of Engineering, Seoul National University
(SNU)

Water Surface Waves

Mon., January 23~Wed., January 25, 2023 (3days)

Attention: Students who have received credit for the following courses offered in 2021 do not receive credit for this course. Auditing is permitted.

国際連携工学特別講義 VII/International Collaborators' Lecture on Engineering VII(FEN-CO5971L3)

国際連携特別講義 XV/International Collaborators' Special Lecture on Engineering XV(3799-388)

Course objectives

To introduce linear and nonlinear wave theories based on firmly established mathematics and to apply to engineering problems.

Lecture time

January 23~24 ･･･9:30▸11:30, 13:30▸15:30

January 25 ･･･9:30▸12:00

Lecture way

Eng. Bldg. No.1 #16

Language

English

Counterpart at UTokyo

Associate Professor Takenori Shimozono
Department of Civil Engineering,
School of Engineering

Lecture plan

Day 1:

AM - L01 Review of Fluid dynamics
L02 Linear wave theory

PM - L03 Dispersion relation
L04 Engineering properties

Day 2:

AM - L05 Introduction to perturbation methods
L06 Stokes wave theory

PM - L07 Nonlinear shallow-water equations

Day 3:

AM - L08 Boussiensq and KdV theories

Exam: Take-home exam

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: seut_global30.t@gs.mail.u-tokyo.ac.jp

Registration is now open!

Please use the QR code to register.

Application Form

https://global-eng.t.u-tokyo.ac.jp/course/n/t-snu/index.html