

学部 2 単位 / Faculty 2 Credits ※4 年生対象 /for B4

FEN-CO5962L2 国際連携工学特別講義 II

International Collaborators' Lecture on Engineering II

大学院 2 単位 / Graduate School 2 Credits

3799-381 国際連携特別講義 VIII

International Collaborators' Special Lecture on Engineering VIII

Lecturer
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<https://ost.snu.ac.kr/people/advisor>



Advanced Marine Structures

Tue, July 18~Fri, July 21, 2023 (3days+Exam)

▼ Course objectives

The objective of this module is to produce the structural engineers and researchers who are interested in the advanced marine structural design.

▼ Lecture time

July 18~20 ... 9:30 ▶ 13:00, 14:00 ▶ 17:30
(50mins class + 10 mins break)

Exam: July 21 ... 9:30 ▶ 11:30

▼ Lecture room

Class: Eng. Bldg. No.3 #32

Exam: Eng. Bldg. No.3 #320

▼ Language

English

▼ Counterpart at UTokyo

Professor Katsuyuki Suzuki

Department of Systems Innovation,

School of Engineering

▼ Lecture plan

Day 1

Morning

<Intro> Module Introduction

<Lecture> L01 Plastic Theory of Bending (Part I: Plastic Design)

<Lecture> L02 Ultimate Loads on Beams (Part I)

Afternoon

<Lecture> L03 Collapse of Frames & Grillage (Part I)

<Recap & Tutorial 1> (Part I: Plastic Design)

<Lecture> L04 Elastic Plate Theory: Basic (Part II: Elastic Plate Theory)

Day 2

Morning

<Special Seminar> Introduction of Ocean & Shore Technology

<Lecture> L05 Simply Supported Plate under Sinusoidal loading (Part II)

<Lecture> L06 Long Clamped Plates (Part II)

Afternoon

<Lecture> L07 Short Clamped Plates (Part II)

<Lecture> L07A Strength & Permanent Set (Part II)

<Recap & Tutorial 2> (Part II: Elastic Plate Theory)

Day 3

Morning

<Lecture> L08 Failure modes (Part III: Buckling Theory)

<Lecture> L09 Tripping (Part III)

<Lecture> L09A Post-buckling strength of plate (Part III)

Afternoon

<Lecture> L010 Post-buckling behaviour (Part III)

<Recap & Tutorial 3> (Part III: Buckling Theory)

<Examination Guide Session> Reminder session for the preparation of Exam

Day 4

Morning

Exam: 2hrs Openbook Test

工学系研究科国際工学教育推進機構

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Registration is
now open!

Please use the QR code
to register.

